

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

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N-76738

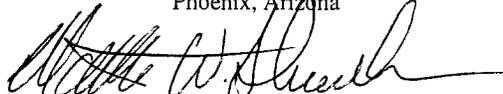
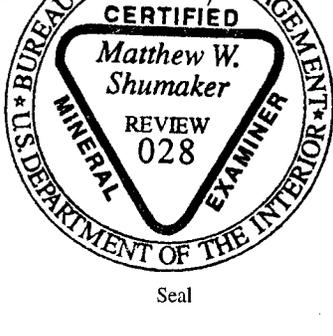
MINERAL REPORT

Validity Examination of 261 Associated Placer
Mining Claims in Southern Eldorado Valley, Nevada, Held
By Cactus Gold Corporation and Valley Gold Corporation

LANDS INVOLVED

41,680 Acres, more or less, within southern Clark County, Nevada
As described herein.

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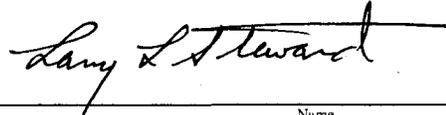
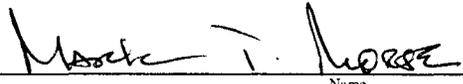
	
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SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

Summary

In 1993 three individuals used eight corporations to locate 169 160-acre association placer mining claims and one 80-acre association placer mining claim. These 170 placer mining claims were transferred to the control of Charles A. Ager in 1996. In 1999, an association of eight individuals located 91 additional 160-acre association placer mining claims for the benefit of Charles A. Ager. These 261 placer mining claims were located in the southern portion of Eldorado Valley, Clark County, Nevada (see Map 1.) All of the subject placer mining claims were located by agents working on behalf of the locators. Through the initial locations and subsequent transfers of interest, all of the 261 association placer mining claims are under the control of Charles A. Ager.

On November 6, 2002, the public lands underlying all except six of the 261 association placer mining claims were withdrawn from mineral entry. On January 24, 2003, the representative for the Ager controlled corporations currently holding the placer mining claims submitted a plan of operations amendment to BLM. The amendment required BLM to undertake a validity examination of the 39 affected placer mining claims to verify that the placer mining claims possess valid existing rights.

Examination of placer mining claim records indicated irregularities in the location and maintenance of the entire placer mining claim block, therefore the scope of the validity examination was expanded. The mineral examiners determined that it was not in the public interest to expend public funds to verify the presence of a valuable mineral deposit, if one exists, until questions about the legitimacy of the subject placer mining claims were answered. Therefore, the resulting validity examination focused only on the propriety of the location and maintenance of the subject placer mining claims.

Conclusions

All of the 261 association placer mining claims involved in this examination were located by agents. Eight corporations were involved in the 1993 locations. Those placer mining claims were transferred to two corporations controlled by Charles Ager. In 1999, eight individuals formed an association and had one of the eight act as agent for the other seven. This agent located association placer mining claims that were transferred, shortly thereafter, to one of the two corporations controlled by Charles Ager. The eight corporations involved in the 1993 locations were controlled by James T. Roe, III, Charles Ager and Kenneth Ian Matheson. The two corporations that received placer mining claim title to the 1993 and 1999 locations were controlled at the time, and continue to be controlled, by Charles Ager.

The 261 association placer mining claims involved in this examination do not appear to have been properly located. The evidence shows that the 261 association placer mining claims were located using dummy locators, who lent their names to the project so as to increase the acreage that Mr. Ager could control. The evidence also indicates that Mr. Ager would have been entitled only to placer mining claims of 20-acres each, and not association placer mining claims of any size over 20-acres.

By these actions, the evidence indicates that Mr. Ager has failed to pay the United States Treasury a minimum of \$1,626,400 (1.63 million dollars) in annual mining claim maintenance fees that should have been paid for an equal acreage of the appropriate 20-acre placer mining claims.

Recommendations

It is recommend that contest be initiated against the 261 placer mining claims listed in Tables 1 and 2, charging:

For Association Placer Mining Claims located in 1993:

The controlling party (Charles Ager) of the placer mining claims in Table 1 was qualified to locate only individual 20-acre placer mining claims. The placer mining claims located in 1993 were located for the use and benefit of Charles Ager, and not for the use and benefit of the association members, namely Geosearch, Inc.; Broadway Enterprises, Inc.; Carlwood, Inc.; Geotech Mining, Inc.; Pilot Plant, Inc.; Crescent, Inc.; Mincor, Inc.; and Camel, Inc. Therefore these placer mining claims are null and void. Even if it is determined that the other associates do form an association, the 160-acre placer mining claims were located for the benefit of only 3 associates and therefore, these placer mining claims are null and void.

For Association Placer Mining Claims located in 1999:

The controlling party of the placer mining claims in Table 2 was qualified to locate only individual 20-acre placer mining claims. Therefore, the placer mining claims listed in Table 2 were improperly located as 160-acre placer mining claims.

These placer mining claims were located for the use and benefit of Charles Ager, and not for the use and benefit of the associated members, namely Andrew L. Dall, Shannon L. Dall, Charlton S. Ager, Caroline I. Ager, Carol J. Ager, Fred J. Toti, George R. Stephen, IV, and Kathleen M. Stephen. Therefore, these placer mining claims are null and void.

For the Association Placer Mining Claims located in conflict with Right-of-Way CC-002073:

The 23 association placer mining claims listed in Table 3 are in conflict with Federal Aid to Highway Act, right-of-way, CC-002073. The Interior Board of Land Appeals has previously ruled that claims which overlay this type of right-of-way are considered null and void *ab initio*.

Portions of the 23 association placer mining claims listed in Table 3 are null and void *ab initio*. Where a mining claim is split by the right-of-way, one of the two portions is null and void *ab initio*.

Table 1 - Association Placer Mining Claims Located in 1993

BLM Recordation No. NMC	Claim Name	Date of Location
682148	BROWN 33	9/1/1993
682149	BROWN 34	9/1/1993
682150	BROWN 101	9/1/1993
682151	BROWN 102	9/2/1993
682152	BROWN 103	9/2/1993
682153	BROWN 104	9/2/1993
682154	BROWN 111	9/2/1993
682155	BROWN 112	9/2/1993
682156	BROWN 113	9/2/1993
682157	BROWN 114	9/2/1993
682158	BROWN 121	9/2/1993
682159	BROWN 122	9/2/1993
682160	BROWN 123	9/2/1993
682161	BROWN 124	9/2/1993
682162	BROWN 131	9/2/1993
682163	BROWN 133	9/2/1993
682164	BROWN 134	9/2/1993
682165	BROWN 141	9/2/1993
682166	BROWN 142	9/2/1993
682167	BROWN 143	9/2/1993
682168	BROWN 144	9/2/1993
682169	BROWN 153	9/2/1993
682170	BROWN 154	9/2/1993
682171	GREEN 221	9/2/1993
682172	GREEN 222	9/2/1993
682173	GREEN 223	9/2/1993
682174	GREEN 224	9/2/1993
682175	GREEN 232	9/2/1993
682176	GREEN 233	9/2/1993
682177	GREEN 234	9/2/1993
682178	GREEN 241	9/2/1993
682179	GREEN 242	9/2/1993
682180	GREEN 243	9/2/1993
682181	GREEN 244	9/2/1993
682182	GREEN 251	9/2/1993
682183	GREEN 252	9/2/1993
682184	GREEN 253	9/2/1993
682185	GREEN 254	9/2/1993
682186	GREEN 261	9/2/1993
682187	GREEN 263	9/2/1993
682188	GREEN 271	9/2/1993
682189	GREEN 272	9/2/1993
682190	GREEN 351	9/2/1993
682191	GREEN 352	9/2/1993
682192	GREEN 354	9/2/1993
682193	GREEN 361	9/2/1993
682194	GREEN 362	9/2/1993
682195	GREEN 363	9/2/1993
682196	GREEN 364	9/2/1993
682197	BLACK 51	9/1/1993
682198	BLACK 53	9/1/1993
682286	Purple 91	9/1/1993
682287	Purple 92	9/1/1993
682288	RED 251	9/1/1993
682289	RED 252	9/1/1993
682290	RED 253	9/1/1993
682291	RED 254	9/1/1993
682292	RED 261	9/1/1993
682293	RED 262	9/1/1993
682294	RED 263	9/1/1993
682295	RED 264	9/1/1993
682258	ORANGE 322	9/1/1993
682259	ORANGE 323	9/1/1993
682260	ORANGE 324	9/1/1993
682261	Pink 202	9/1/1993
682262	Pink 202E	9/1/1993
682263	Pink 211	9/1/1993
682264	Pink 212	9/1/1993

BLM Recordation No. NMC	Claim Name	Date of Location
682296	RED 271	9/1/1993
682297	RED 272	9/1/1993
682199	BLACK 61	9/1/1993
682200	BLACK 62	9/1/1993
682201	BLACK 63	9/1/1993
682202	BLACK 64	9/1/1993
682203	BLACK 71	9/1/1993
682204	BLACK 72	9/1/1993
682205	BLACK 73	9/1/1993
682206	BLACK 74	9/1/1993
682207	BLACK 81	9/1/1993
682208	BLACK 83	9/1/1993
682209	BLACK 171	9/1/1993
682210	BLACK 173	9/1/1993
682211	BLACK 181	9/1/1993
682212	BLACK 182	9/1/1993
682213	BLACK 183	9/1/1993
682214	BLACK 184	9/1/1993
682215	BLUE 191	9/1/1993
682216	BLUE 192	9/1/1993
682217	BLUE 193	9/1/1993
682218	BLUE 194	9/1/1993
682219	BLUE 201	9/1/1993
682220	BLUE 202	9/1/1993
682221	BLUE 203	9/1/1993
682222	BLUE 204	9/1/1993
682223	BLUE 211	9/1/1993
682224	BLUE 212	9/1/1993
682225	BLUE 213	9/1/1993
682226	BLUE 214	9/1/1993
682227	BLUE 291	9/1/1993
682228	BLUE 292	9/1/1993
682229	BLUE 293	9/1/1993
682230	BLUE 294	9/1/1993
682231	BLUE 301	9/1/1993
682232	BLUE 302	9/1/1993
682233	BLUE 303	9/1/1993
682234	BLUE 304	9/1/1993
682235	BROWN 11	9/1/1993
682236	BROWN 12	9/1/1993
682237	BROWN 13	9/1/1993
682238	BROWN 14	9/1/1993
682239	BROWN 21	9/1/1993
682240	BROWN 22	9/1/1993
682241	BROWN 23	9/1/1993
682242	BROWN 24	9/1/1993
682243	BROWN 31	9/1/1993
682244	BROWN 32	9/1/1993
682245	ORANGE 281	9/1/1993
682246	ORANGE 282	9/1/1993
682247	ORANGE 283	9/1/1993
682248	ORANGE 284	9/1/1993
682249	ORANGE 291	9/1/1993
682250	ORANGE 292	9/1/1993
682251	ORANGE 293	9/1/1993
682252	ORANGE 294	9/1/1993
682253	ORANGE 311	9/1/1993
682254	ORANGE 312	9/1/1993
682255	ORANGE 313	9/1/1993
682256	ORANGE 314	9/1/1993
682257	ORANGE 321	9/1/1993
682282	Purple 71	9/1/1993
682283	Purple 72	9/1/1993
682284	Purple 81	9/1/1993
682285	Purple 82	9/1/1993
682298	RED 273	9/1/1993
682299	RED 274	9/1/1993
682300	RED 341	9/1/1993

BLM Recordation No. NMC	Claim Name	Date of Location
682265	Pink 213	9/1/1993
682266	Pink 214	9/1/1993
682267	Pink 281	9/1/1993
682268	Pink 282	9/1/1993
682269	Pink 284	9/1/1993
682270	Pink 323	9/1/1993
682271	Pink 324	9/1/1993
682272	Pink 332	9/1/1993
682273	Purple 41	9/1/1993
682274	Purple 42	9/1/1993
682275	Purple 43	9/1/1993
682276	Purple 44	9/1/1993
682277	Purple 52	9/1/1993
682278	Purple 53	9/1/1993
682279	Purple 54	9/1/1993
682280	Purple 63	9/1/1993
682281	Purple 64	9/1/1993

BLM Recordation No. NMC	Claim Name	Date of Location
682301	RED 342	9/1/1993
682302	RED 343	9/1/1993
682303	RED 344	9/1/1993
682304	RED 351	9/1/1993
682305	RED 352	9/1/1993
682306	RED 353	9/1/1993
682307	RED 354	9/1/1993
682308	RED 361	9/1/1993
682309	RED 362	9/1/1993
682310	RED 363	9/1/1993
682311	RED 364	9/1/1993
682312	YELLOW 11	9/2/1993
682313	YELLOW 22	9/2/1993
682314	YELLOW 122	9/2/1993
682317	Brown 151	9/2/1993
682318	Brown 152	9/2/1993
682704	GREEN 231	9/28/1993

Table 2 - Association Placer Mining Claims Located in 1999

BLM Recordation No. NMC	Claim Name	Date of Location
804090	Blue 321	5/4/1999
804091	Blue 322	5/4/1999
804092	Blue 323	5/4/1999
804093	Blue 324	5/4/1999
804094	Gold 51	5/4/1999
804095	Gold 62	5/4/1999
804096	Gold 63	5/4/1999
804097	Gold 64	5/4/1999
804098	Gold 72	5/4/1999
804099	Gray 191	5/2/1999
804100	Gray 192	5/2/1999
804101	Gray 201	5/2/1999
804102	Gray 202	5/2/1999
804103	Gray 204	5/3/1999
804104	Gray 211	5/3/1999
804105	Gray 212	5/3/1999
804106	Gray 213	5/3/1999
804107	Gray 214	5/3/1999
804108	Gray 281	5/3/1999
804109	Gray 282	5/3/1999
804110	Gray 283	5/3/1999
804111	Gray 284	5/3/1999
804112	Gray 292	5/3/1999
804113	Gray 294	5/3/1999
804114	Gray 331	5/3/1999
804115	Gray 332	5/3/1999
804116	Gray 333	5/3/1999
804117	Gray 334	5/3/1999
804118	Green 273	5/3/1999
804119	Green 274	5/3/1999
804120	Green 341	5/3/1999
804121	Green 342	5/3/1999
804122	Green 343	5/3/1999
804123	Green 344	5/3/1999
804125	Orange 191	5/4/1999
804126	Orange 193	5/4/1999
804127	Peach 42	5/3/1999
804128	Peach 44	5/3/1999
804129	Peach 92	5/3/1999
804130	Pink 311	5/4/1999
804131	Pink 312	5/4/1999
804132	Pink 331	5/3/1999
804133	Purple 73	5/2/1999
804134	Purple 74	5/2/1999
804135	Purple 83	5/2/1999
804136	Purple 84	5/2/1999

BLM Recordation No. NMC	Claim Name	Date of Location
804137	Purple 93	5/2/1999
804138	Purple 94	5/2/1999
804139	Purple 161	5/2/1999
804140	Purple 162	5/2/1999
804141	Purple 163	5/2/1999
804142	Purple 164	5/2/1999
804143	Purple 171	5/2/1999
804144	Purple 172	5/2/1999
804145	Purple 173	5/2/1999
804146	Purple 174	5/2/1999
804147	Purple 181	5/2/1999
804148	Purple 182	5/2/1999
804149	Purple 183	5/2/1999
804150	Purple 184	5/2/1999
804151	Red 221	5/4/1999
804152	Red 222	5/4/1999
804153	Red 223	5/4/1999
804154	Red 224	5/4/1999
804155	Red 231	5/4/1999
804156	Red 232	5/4/1999
804157	Red 233	5/4/1999
804158	Red 234	5/4/1999
804159	Red 241	5/4/1999
804160	Red 242	5/4/1999
804161	Red 243	5/4/1999
804162	Red 244	5/4/1999
804163	Yellow 13	5/3/1999
804164	Yellow 21	5/3/1999
804165	Yellow 23	5/3/1999
804166	Yellow 24	5/3/1999
804167	Yellow 31	5/3/1999
804168	Yellow 32	5/3/1999
804169	Yellow 33	5/3/1999
804170	Yellow 34	5/3/1999
804171	Yellow 101	5/3/1999
804172	Yellow 102	5/3/1999
804173	Yellow 103	5/3/1999
804174	Yellow 104	5/3/1999
804175	Yellow 111	5/3/1999
804176	Yellow 112	5/3/1999
804177	Yellow 113	5/3/1999
804178	Yellow 114	5/3/1999
804179	Yellow 121	5/3/1999
804180	Yellow 123	5/3/1999
804181	Yellow 124	5/4/1999

INTRODUCTION

Purpose

This report documents the findings of a validity examination of 261 association placer mining claims located for gold, silver, platinum and palladium in southern Nevada. The authors have determined that the question of serious irregularities in placer mining claim tenure, must be resolved prior to expending the public resources necessary to confirm the presence or absence of a valuable mineral deposit, as defined by the United States Mining Laws. The examination and this report address the question as to whether or not the placer mining claims involved are properly located and held.

The use of this report is limited to the action prompting the report and it is not intended for any other purpose. It will not in any way serve as an appraisal of monetary value of the placer mining claims involved.

History of the Case

On January 24, 2003, Gordon Ellis, representative (at the time) of Cactus Gold and Valley Gold Corporations, submitted an amendment to Cactus' approved Plan of Operations, under 43 CFR § 3809. Placer mining claims affected by the plan of operations are held by Cactus Gold Corporation (CGC) and Valley Gold Corporation (VGC). The lands affected by the plan amendment have been withdrawn from mineral entry. Subsection 3809.100(a) requires a validity determination for plans of operation and notices where the lands are withdrawn. On April 1, 2003, the BLM initiated the validity examination of 39 association placer mining claims, and assigned BLM mineral examiners Mark Chatterton, Burrett Clay, and Matthew Shumaker to the case.¹

After an initial field review of the 39 placer mining claims involved in the validity examination, the Mineral Examiners determined that only 33 of the association placer mining claims would be affected by the amended mining plan. The Mineral Examiners therefore reduced the list of placer mining claims involved in the examination to 33, and notified the claimants of the change on May 1, 2003.

The Mineral Examiners obtained and reviewed the placer mining claim recordation files from the Bureau of Land Management (BLM) Nevada State Office for the 33 association placer mining claims being examined. As part of the examination process, the Mineral Examiners reviewed the contents of those files, including the Certificates of Location.² The evidence indicated that dummy locators³ had been used when the claims were located so that by lending

¹ For purposes herein, this report will refer to mineral examiners Chatterton, Clay, and Shumaker as "Mineral Examiners."

² These are more commonly called "Notices of Location" or "Location Notices." The locators in this case have styled the documents as "Certificates of Location." There is no relevant difference, however.

³ A "dummy locator" (fictitious locator) is an entity that lends its name for use in the location of a placer mining claim so that a controlling party obtains more acreage than would normally be allowed under the General Mining Law of 1872. The dummy locator then transfers its interest in the placer mining claim to the controlling

their names, larger placer mining claims were located than would be legally warranted. As a result of this finding, the Mineral Examiners determined that a review of the entire claim block consisting of 261 association placer mining claims held by CGC and VGC, was warranted prior to completing a validity determination related to any placer mining claims involved with the plan of operations.

LAND STATUS AND RECORD DATA

Lands Involved

The placer mining claims involved in this validity exam consist of 261 association placer mining claims held by CGC and VGC. These claims, illustrated on Maps 2 and 3, were located by legal subdivision in Township 26 South, Range 63 East;⁴ T. 27 S., R. 63 E.; T. 28 S., R. 63 E.; T. 26 S., R. 64 E.; T. 27 S., R. 64 E.; T. 28 S., R. 64 E., Mount Diablo Meridian. In totality these claims encumber more than 65 square miles, which is nearly all of the southern Eldorado Valley.

The claims are approximately 40 miles south of downtown Las Vegas, Nevada along both sides of U.S. Highway 95. In the early stages of the examination, Chatterton physically confirmed the presence of 33 of the 261 claims by use of survey grade Global Position Satellite (GPS) signal reception equipment and by recovering⁵ the cadastral survey brass cap monuments. Location monuments were normally found adjacent to these cadastral survey monuments. The location monuments consisted of a 4 inch by 4 inch wooden post that extended above the ground approximately 4 feet. Anchored to the monument post are foot long lengths of one inch diameter white polyvinyl chloride (PVC) plastic pipe, with caps on each end containing a copy of the location notice. These location notices and monument methods were consistent at all 33 placer mining claims. Appendix 1 contains a photograph which illustrates one of the location monuments. Based on the physical confirmation of the 33 claims in the initial examination, and later spot checks of other claims, the Mineral Examiners anticipate that all claims have similar monuments. Table 3 identifies what sections in each Township and Range are encumbered by the 261 placer mining claims held by CGC and VGC.

Table 3 - Lands Encumbered by CGC and VGC Placer Mining Claims

Township	Range	Sections
T. 26 S.	R. 63 E.	21, 22, 23, 24, 25, 26, 27, 28, 31, 32, 33, 34, 35, 36
T. 27 S.	R. 63 E.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 33, 34, 35, 36
T. 28 S.	R. 63 E.	1, 2, 3, 4, 9, 10, 11, 12
T. 26 S.	R. 64 E.	19, 28, 29, 31, 32
T. 27 S.	R. 64 E.	5, 6, 7, 8, 17, 18, 19, 20, 21, 29, 30, 32
T. 28 S.	R. 64 E.	5, 6, 7

party, allowing the controlling party to obtain and hold acreage to which it would not otherwise be allowed. See 43 CFR § 3832.22.

⁴ Legal descriptions are hereinafter abbreviated in this manner: T. 26 S., R. 63 E.

⁵ "Recovering" is a term that describes the process of finding and confirming a brass cap or other survey monument.

The Townships identified above are all surveyed. T. 26, 27, and 28 S., R. 63 E., were also independently resurveyed under the auspices of the General Land Office. Copies of the approved survey plats are in Appendix 2, and the placer mining claims involved conform to the survey plats.

Land Status

On July 10, 2003, Chatterton obtained a Master Title Report (MTR), which is a historical index of the BLM records database, to identify the land use authorizations related to the lands underlain by the subject placer mining claims. Appendix 3 lists the land use authorizations, including rights-of-way, by case serial number identified in the MTR; who holds the authorization; the township, range, and section encumbered by the authorization; and when the authorization was granted.

Fourteen right-of-way authorizations predate the location of the subject placer mining claims. The most notable of these authorizations is CC-0020733, granted April 13, 1939, to the Nevada Department of Transportation, which coincides with U.S. Highway 95. This right-of-way (ROW) was granted prior to the Federal Aid to Highway Act (FAHA), (23 U.S.C. § 317). When the FAHA was enacted, the right-of-way automatically assumed the status and protection of the FAHA. Tracts of land granted or covered by this Act are withdrawn from entry and location under the mining law.

The Interior Board of Land Appeals (IBLA) has previously ruled that claims which overlay rights-of-way of this type are considered null and void *ab initio* (*Jesse R. Collins et al*, 127 IBLA 122 (1993)). This ROW severs portions of 23 association placer mining claims which are listed in Table 4, below. In *Collins*, the IBLA also noted that a single placer mining claim notice of location cannot apply to noncontiguous parcels of land. CC-002073 splits 23 placer mining claims in two, and may have effectively rendered them null and void *ab initio* in whole or in part. In situations like this one, the existence of a FAHA ROW closes the land within the ROW to mineral entry, and any portion of a placer mining claim within such a FAHA ROW is null and void *ab initio*. However, if a placer mining claim is split by the ROW, the locator is normally entitled to choose which portion to keep. The remainder becomes null and void. This remains a secondary issue here because the 23 affected claims are also subject to the dummy locator issue, which is discussed later.

Table 4 - Association Placer Mining Claims Affected by ROW CC002073

Name	NMC No.	Name	NMC No.	Name	NMC No.
PINK 281	682267	BROWN 102	682151	GREEN 261	682186
PINK 332	682272	BROWN 104	682153	GREEN 263	682187
RED 343	682302	BROWN 111	682154	GREEN 351	682190
BROWN 31	682243	BROWN 113	682156	Yellow 21	804164
BROWN 32	682244	BROWN 141	682165	Yellow 23	804165
BROWN 33	682148	BROWN 143	682167	Yellow 111	804175
BROWN 34	682149	GREEN 231	682704	Yellow 113	804177
Purple 42	682274	GREEN 233	682176		

Appendix 3 shows that two use authorizations were granted during the general period of 1993 through 1999 when the claims were located. Both ROWs were granted to IXC Carrier Group for fiber optic cables supporting the telecommunications industry. Right-of-way, N-61851 was granted on February 6, 1998, and ROW, N-62110 was granted on June 4, 1999, which is after the location of the CGC and VGC placer mining claims.

At the time of location in 1993, the lands now encumbered by the claims were public domain, open to mineral entry, and administered by the BLM, Las Vegas Field Office (LVFO). On October 5, 1998, the BLM State Director for Nevada signed the Record of Decision for the Las Vegas Resource Management Plan. This plan designated the area underlying all but six of these placer mining claims as the Piute-Eldorado Desert Tortoise Area of Critical Environmental Concern (ACEC) to protect the desert tortoise. The final resource management plan contained direction to withdraw the ACEC from mineral entry as part of the management strategy for the protection of the desert tortoise.

On November 6, 2002, Congress passed Public Law 107-282, Clark County Conservation of Public Land and Natural Resources Act of 2002 (see Appendix 4). Section 502 of the Act withdrew from mineral entry all ACECs identified in the Las Vegas Resource Management Plan. This withdrawal is subject to review and renewal at the end of five years. A legal description of the withdrawn area is found in Appendix 5. Appendix 6 contains copies of the master title plats for the Townships and Ranges encumbered by the subject placer mining claims. As previously stated placer mining claims located on lands that are withdrawn from mineral entry now require that valid existing rights be determined prior to authorizing surfacing disturbing activities. (See 43 CFR § 3809.100.)

Six of the placer mining claims involved, namely ORANGE 281, ORANGE 282, ORANGE 283, ORANGE 284, ORANGE 191, and ORANGE 193 are not within the withdrawn ACEC. Placer mining claims ORANGE 281 through ORANGE 284 were located with the first group of placer mining claims in September 1993. ORANGE 191 and ORANGE 193 were located in May 1999. While not on withdrawn lands, these six placer mining claims are also affected by the dummy locator issue.

Claim Data

In the southern Eldorado Valley, CGC holds 205 association placer mining claims and VGC holds 56 association placer mining claims, for a total of 261 association placer mining claims between them. One of the association placer mining claims is 80-acres, and the remaining 260 claims are 160-acres each for a total of 41,680 acres, more or less. The location of each claim is generally illustrated on Map 1 and specifically located on Map 2. Appendix 7 lists the claim name, the location date, the associated legal description, and the size of the claim in acres. Appendix 8 contains a complete list of all 261 association placer mining claims organized by the name of the current claimant, Nevada BLM Mining Claim Recordation Number, claim name, date of location, and the agent who located the association placer mining claim. To some extent, the 261 placer mining claims that are the subject of this examination were preceded by other mining claims covering roughly the same ground. However, the placer mining claim locations subject to this examination were adverse to the prior mining claims, and all prior mining claims have lapsed in BLM records.

There were two periods of time when these claims were located. The first occurred in September 1993 and the second occurred in May 1999.

The 1993 Placer Mining Claim Locations

During this claim location episode, two agents, Donald J. Hales and Kathleen M. Stephen, located 170 association placer mining claims on behalf of an association of eight corporations, as described below. On September 1 and 2, 1993, 169 association placer mining claims were located by the above described agents for the following eight Nevada-registered corporations:

- Geosearch, Inc.
- Broadway Enterprises, Inc.
- Carlwood, Inc.
- Geotech Mining, Inc.
- Pilot Plant, Inc.
- Crescent, Inc.
- Mincor, Inc.
- Camel, Inc.

This block of locations included 168 association placer mining claims of 160-acres each, and one association placer mining claim of 80-acres.⁶ One additional 160-acre association placer mining claim was located on September 28, 1993, by Donald J. Hales on behalf of the same association of eight corporations. Map 3 illustrates the arrangement of placer mining claims, and which agents located them.

At the time the claims were located, at least three individuals were corporate officers and resident agents for more than one corporation, as described in Tables 6, 7, and 8, which were compiled using copies of corporate documents on file at the Office of the Nevada Secretary of State (hereinafter referred to as “Nevada”).

Table 5 indicates that the placer mining claims were located primarily to benefit James T. Roe, III⁷, Charles A. Ager⁸, and Mr. Matheson. Within 35 months of locating the placer mining claims, all interest in all of the placer mining claims was transferred to two corporations under the direct control of Mr. Ager. Further, Mr. Matheson and Mr. Ager have a long-standing

⁶ All except one of the 1993 mining claims in a block covering more than 26,000 acres were reportedly located within a two day period. This is an inexplicably short period of time for such a large project. Not all cadastral monuments in the subject lands are marked with brass-cap monuments. Locating corners not marked, or marked in ways other than the use of a brass cap monument, is normally a time consuming process.

⁷ As of May 1, 2003, the charter each of the four corporations held by Mr. Roe has been permanently revoked by Nevada.

⁸ Depending on the document, Mr. Ager’s name appears as “Charles A. Ager,” “Charles Ager,” or “Chuck Ager” We believe that this is the same person in each case. For purposes herein, this report will refer to him as “Charles Ager” or “Mr. Ager.” During the Pass Minerals hearing, Charles Ager testified that Caroline I. Ager is his daughter, and that Carol J. Ager is his spouse. *U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson*, Office of Hearings and Appeals Docket No. 66052, Tr. V. 20 pages 3514-5.

business relationship. That relationship was thoroughly examined in Administrative Law Judge (ALJ) Sweitzer's Decision in *United States v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson*, Office of Hearings and Appeals Docket number N-660522,⁹ pages 24 – 29, which is included as Appendix 17.

Only the incorporation date of Pilot Plant, Inc. significantly predates the location of the 1993 placer mining claims.¹⁰ The remaining corporations were all incorporated on the same day, July 29, 1993.¹¹ This date is only 34 days prior to the location of 169 of the 170 claims located in 1993. This has led the mineral examiners to question the intent of the creation of the seven corporations.

Table 5 - Corporate Chart of the Locating Corporations in 1993¹²

Corporate Name	Incorporation Date	President	Secretary	Treasurer	Resident Agent	See Appendix
Broadway Enterprises, Inc.	July 29, 1993	James T. Roe, III	9			
Camel, Inc.	July 29, 1993	James T. Roe, III	10			
Carlwood Development Corporation	July 29, 1993	James T. Roe, III	11			
Crescent Corporation	July 29, 1993	James T. Roe, III	12			
Geosearch, Inc.	July 29, 1993	Carol J. Ager	Charles A. Ager	Charles A. Ager	Kenneth Ian Matheson ¹³	13
Mincor, Inc.	July 29, 1993	Caroline I. Ager	Charles A. Ager	Charles A. Ager	Kenneth Ian Matheson	14
Geotech Mining Inc.	July 29, 1993	Charles A. Ager	Charles A. Ager	Charles A. Ager	Kenneth Ian Matheson	15
Pilot Plant, Inc.	March 6, 1990	K. Ian Matheson	K. Ian Matheson	K. Ian Matheson	Darrell Lincoln Clark ¹⁴	16

⁹ Decision of Administrative Law Judge Sweitzer, May 8, 2003, Office of Hearings and Appeals Docket No. 66052. As of the date of this report Judge Sweitzer's decision is on appeal to IBLA and docketed as IBLA 2003-268. On August 8, 2003, the IBLA issued an order denying the appellants "Emergency Motion for Temporary Stay." Thus, Judge Sweitzer's May 8, 2003, decision is considered the Department's final decision until the IBLA resolves the appeal.

¹⁰ All of Pilot Plant's corporate officers use the residence address of Mr. Matheson, which is 2215 Lucerne Circle, Henderson, Nevada. Mr. Matheson testified during the *U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson*, Office of Hearings and Appeals Docket No. 66052, that Michael Anderson and Ferrell Drozo are the youngest and oldest sons, respectively, of Mr. Matheson's wife. "Drozo" is sometimes spelled "Drozd" or "Droves." We believe that the correct spelling is "Drozd."

¹¹ As shown in Appendices 9 through 15, the seven corporations incorporated on July 29, 1993 were likely incorporated at the same time or close in time because they were assigned sequential file numbers by Nevada: Carlwood Development, Corp. was assigned # 9123-1993; Camel, Inc. was assigned #9124-1993; Mincor, Inc. was assigned # 9125-1993; Geosearch, Inc. was assigned # 9126-1993; Broadway Enterprises, Inc. was assigned # 9127-1993; Geotech Mining, Inc. was assigned # 9128-1993; and Crescent Corp. was assigned #9129-1993.

¹² This chart lists Officers of the eight corporations locating the 1993 claims on the date each was incorporated and each of the 1993 mining claims were located. Source: Nevada Secretary of State Corporate Records. Copies of applicable Nevada State corporate records are appended to this report, and identified as indicated in the "See Appendix" column.

¹³ Depending on the document, Mr. Matheson's name appears as "Kenneth Ian Matheson," "K. Ian Matheson," or "Ian Matheson." For purposes herein, this report will refer to him as "Mr. Matheson."

Broadway Enterprises, Inc., Camel, Inc.,
Carlwood Development Corporation, and Crescent Corporation

Broadway Enterprises, Inc., Camel, Inc., Carlwood Development Corp., and Crescent Corp. (“Roe Corporations”) were all incorporated in Nevada on July 29, 1993. For each corporation, James T. Roe, III was listed as President, Secretary, Treasurer, and Resident Agent. Mr. Roe signed all articles of incorporation on July 27, 1993.¹⁵ The receipt for each corporation’s filing fee was issued to Mr. Matheson.

Mr. Roe filed the required annual list of officers, directors, and agent in 1994, but apparently not in 1995. In 1996, each Roe Corporation was granted a reinstatement by Nevada. However, no further annual lists of officers, directors, and agents were filed for the four Roe Corporations after 1996. Nevada records show that each Roe Corporation is Permanently Revoked as of May 1, 2003.

Geosearch, Inc., Geotech Mining, Inc., and Mincor, Inc.

Geosearch, Inc., Geotech Mining, Inc., and Mincor, Inc. (“Ager Corporations”) were also incorporated on July 29, 1993. At the time of incorporation for each Ager Corporation, Charles Ager was listed as Secretary and Treasurer, and he was also President of Geotech Mining, Inc. Mr. Matheson was listed as Resident Agent for all Ager Corporations. As with the four Roe Corporations, the Nevada filing fee receipts for the Ager Corporations were all issued to Mr. Matheson.

Mr. Matheson was listed as the resident agent for these three Ager Corporations through July 31, 2000. On that date, Robert D. McDougal became the Resident Agent for each Ager Corporation. Minor changes have occurred in corporate offices since the transfer of interest in 1996. On August 7, 2003, “The Annual List of Officers, Directors, and Agents” of Mincor, Inc. changed the name of Caroline I. Ager to Caroline I. McNeil. This was done by means of hand written notation. Further, Ms. McNeil replaced Charles Ager as Secretary and Treasurer for Mincor, Inc.¹⁶

Another change in corporate officers occurred on August 7, 2003 when “The Annual List of Officers, Directors, and Agents” for Geosearch, Inc. showed Carol J. Ager replacing Charles A. Ager as Secretary and Treasurer. Again this change was made by way of hand written notation on the form.¹⁷

¹⁴ Darrell Lincoln Clark was the resident agent for the Pilot Plant, Inc. until May 17, 1993, when Mr. Matheson replaced Mr. Clark as resident agent for Pilot Plant, Inc.

¹⁵ As indicated in footnote 14 these four corporations were part of the seven filed on or about the same time.

¹⁶ See Appendix 14, page 14

¹⁷ See Appendix 13, page 14

Pilot Plant, Inc.

Pilot Plant, Inc., was incorporated in Nevada on March 6, 1990, by Darrell Lincoln Clark, Pamela Clark, and Susan D. Mungaray.¹⁸ Darrel Lincoln Clark is listed as Resident Agent. Clark and Mungaray are not named again in Pilot Plant corporate filings, which are provided in Appendix 16.¹⁹ Table 6 is a list of the corporate officers and related filings for Pilot Plant, Inc.

Current Status of Placer Mining Claims Located in 1993

As shown later through the issuing of quitclaims²⁰ all associates of the 170 association placer mining claims transferred their interest to Cactus Gold Corporation. Shortly there after the interest to 56 of CGC's placer mining claims were transferred to VGC.

The 1999 Placer Mining Claim Locations

The second episode of placer mining claim location took place on May 2, 3, and 4, 1999, when Andrew L. Dall, acting as agent for an association of eight individuals located 91 additional association placer mining claims of 160-acres each. Those individuals were Andrew L. Dall, Shannon L. Dall, Charlton S. Ager, Caroline I. Ager, Carol J. Ager, Fred J. Toti, George R. Stephen, IV, and Kathleen M. Stephen.

Agents

Chatterton made initial arrangements to interview Kathleen Stephen²¹ concerning her role as agent for the corporations, and as a claimant. This interview was to occur on October 22, 2003. On October 20, 2003, Chatterton was notified by a third party that Ms. Stephen, now a resident of Wyoming, was declining to be interviewed. In a follow-up phone call from Chatterton, she confirmed that she preferred not to be interviewed.

Chatterton and Shumaker also attempted to locate Donald J. Hales of Plain City, Utah, the other agent. The Mineral Examiners have not been able to locate Mr. Hales. When asking

¹⁸ Although the papers of incorporation are dated February 26, 1990, they are stamped "RECEIVED" by Nevada on March 2, 1990. The current records show the incorporation was filed on March 6, 1990.

¹⁹ With the exception of pages 26 – 29 of Appendix 16, all information in the Corporate Data Appendices was received from the Nevada Secretary of State's Office. The information in Appendix 16, page 26 was obtained through an internet search, page 27 is a copy of a BLM document, and the information on pages 28 and 29 was obtained from Mr. Matheson.

²⁰ The term "quitclaim," as used herein, comports with the usual definition as applied to transfers of title to mining claims. "Quitclaim" is a shorthand term for "quitclaim deed" which is a deed of conveyance through which one or more owners transfer all right, title and interest to new owners, without warranty as to the actual quality or validity of the title being transferred.

²¹ As of the writing of this report we have not been able to interview Ms. Stephen regarding her role in locating the subject mining claims.

Gordon Ellis, the field representative (at that time) of CGC and VGC, if he knew the location of Mr. Hales he indicated that he did not.

Mr. Andrew L. Dall was the agent and one of eight claimants for the location of the placer mining claims located in 1999. Shannon L. Dall was also listed as a claimant. Several attempts were made by Chatterton and Shumaker to locate Mr. Dall and Ms. Dall for an interview. In addition to asking Mr. Dall what his role was when he acted as agent the Mineral Examiners also wanted to ask both of the Dalls what participation, as claimants, they had in deciding the types of activities to be conducted on the claims, and what level of finances and other resources they may have committed. Gordon Ellis provided Chatterton with telephone numbers and e-mail addresses, ostensibly for Mr. Dall. To date, the Mineral Examiners have been unable to locate Mr. or Ms. Dall, even using the contact information provided by Mr. Ellis.

Current Status of Placer Mining Claims Located in 1999

As shown later through the issuing of quitclaims, all associates of the 91 association placer mining claims transferred their interest to Cactus Gold Corporation. There is no evidence that any of the original associates participated either monetarily, physically, or provided direction in the decisions related to the operation and development of the association placer mining claims.

Transfer of Interest

Through a series of quitclaims, all interest in the 170 placer mining claims located in 1993 was transferred from the association of eight original corporate locators to Cactus Gold Corporation on August 12, 1996. Three days later, on August 15, 1996, all interest in 56 of these claims was further transferred to Valley Gold Corporation. The transfers are summarized in Appendix 20.

The four Roe Corporations apparently had been allowed to lapse after 1994. Mr. Roe was able to reinstate²² each corporation on August 23, 1996, by payment of the 1995 and 1996 recording fees, as well as a \$50 per corporation reinstatement fee. As shown in Appendices 9 through 12, the reinstatement request and reinstatement certificates were signed, filed, and issued on the same day. This indicates that the reinstatement was made after the interest in the placer mining claims had been transferred on August 12 and 15, 1996. No further filings were made for the Roe Corporations after 1996, and those four corporations have been permanently revoked by Nevada.

Cactus Gold Corporation was incorporated approximately four months before the 1993 placer mining claim locations. At time of incorporation, Mr. Roe was President, Secretary, and Treasurer. Mr. Ager is listed in the role of those officers beginning on August 12, 1994, instead of Mr. Roe. In addition to serving as each Corporate Officer in Cactus Gold, Mr. Ager testified during the *U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson*, hearing that he is also the major stock holder²³

²² We assume that the reinstatement was retroactive under Nevada law.

²³ *U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson*, Office of Hearings and Appeals Docket No. 66052, Tr. V. 20, page 3520.

Table 6 - Pilot Plant Corporate Officers and Related Filings²⁴

Document Filed	Date Recorded	President	Secretary	Treasurer	Resident Agent	Remarks
Sixty day list of officers, directors, and agent	March 22, 1990	K. Ian Matheson	K. Ian Matheson	K. Ian Matheson	Darrell Lincoln Clark	For time period of March, 1990 to March, 1991.
List of officers, directors, and agent	February 5, 1991	K. Ian Matheson	K. Ian Matheson	K. Ian Matheson	Darrell Lincoln Clark	For time period of March, 1991 to March, 1992.
List of officers, directors, and agent	May 18, 1992	K. Ian Matheson	K. Ian Matheson	K. Ian Matheson	Darrell Lincoln Clark	For time period of March, 1992 to March 1993
List of officers, directors, and agent	May 17, 1993	K. Ian Matheson	Michael Anderson	Farrell Drozd	Darrell Lincoln Clark	For the time period of March 1993 to March 1994. This filing added the following as "Directors" Patrick B Matheson of Henderson, NV; Michael I. Matheson of Aurora, CO; and Kenneth R. Matheson of Scottsdale, AZ. Document appears to be hand-dated April 20, 1993
Change of resident agent	May 17, 1993				Kenneth Ian Matheson	Document hand-dated April 29, 1993.
Change of corporate name	January 27, 1994					Corporate renamed "Pilot Research, Inc.," dated Dec. 4, 1993
List of officers, directors, and agent	February 18, 1994	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	Filing Date Stamp is very faint, and may not show on subsequent copies. Last received February, 17, 1994
Change of corporate name	July 5, 1994					Corporation name returned to "Pilot Plant, Inc."
List of officers, directors, and agent	February 9, 1995	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	For time period of March, 1995 to 1996
List of officers, directors, and agent	April 4, 1996	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	For time period of March, 1996 to 1997
List of officers, directors, and agent	February 7, 1997	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	For time period of March, 1997 to 1998
List of officers, directors, and agent	March 2, 1998	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	For time period of March, 1998 to 1999
List of officers, directors, and agent	March 2, 1999	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	For time period of March, 1999 to 2000
List of officers, directors, and agent	May 29, 2000	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	For time period of March, 2000 to 2001
List of officers, directors, and agent	March 20, 2001	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	For time period of March, 2001 to 2002
List of officers, directors, and agent	April 10, 2002	K. Ian Matheson	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	For time period of March, 2002 to 2003
List of officers, directors, and agent	February 7, 2003	Patrick B. McNaught	Michael Anderson	Farrell Drozd	Kenneth Ian Matheson	Nevada records show new president as "Patricia B. Menaught." New name is hand printed on form, and of poor legibility. See pages 27 - 29 of Appendix 16
Corporate Information, Nevada	As of August 31, 2004	K.I. Matheson	Patricia Lee Naught	Michael I. Matheson	Kenneth Ian Matheson	This is a Corporate Information summary sheet from the Secretary of State, Nevada. See page 30, Appendix 16.

²⁴ Source: Nevada Secretary of State Corporate Records. See Appendix 16.

Valley Gold Corporation was incorporated on August 7, 1996, about one week prior to receiving all interest in 56 of the above claims. The articles of incorporation were signed by Mr. Matheson, who also became the Resident Agent.

The November, 1996, list of officers, directors, and agent for VGC does not list a Resident Agent by name. It shows only Mr. McDougal's street address. Mr. Matheson is again listed as Resident Agent, at his own residence address, for the 1997 filing. The 1998 – 2003 filings show Mr. McDougal as Resident Agent. Mr. McDougal is listed as Secretary in the November 7, 1996 filing, but from November 18, 2003, Mr. Ager is listed as secretary. Valley Gold Corporation appears to have lapsed in 2000 – 2001 but it was reinstated in June 2001.

Cactus Gold Corporation and Valley Gold Corporation both appear to be currently controlled by Mr. Ager. The corporate officer and resident agent relationship at incorporation dates and quitclaim dates are summarized in Tables 7 and 8.

Similarly, all interest in the 91 placer mining claims located in 1999 was transferred from the original association of eight individual locators to CGC on July 11, 2000. The 1999 placer mining claims were located after Cactus Gold Corporation took control of the 1993 placer mining claims. The 1999 placer mining claims were named similarly to the 1993 placer mining claims, and were evidently located to complete CGC/VGC holdings in the same geographic area. Appendix 20 summarizes these transfers.

Association Placer Mining Claim Requirements

Under the Mining Law, eight associated persons are required in order to locate a 160-acre association placer mining claim. *Owyhee Calcium Products, Inc.*, 72 IBLA 235, 238 (1983). An individual or corporation may locate only 20-acre placer mining claims. 30 U.S.C. § 35; *Centerville Mine & Milling Company*, 49 I.D. 508 (1923). If an individual or corporation locates an association placer mining claim containing more than 20-acres, that portion of the claim that exceeds 20-acres is invalid. *Alumina Development Corp.*, 77 IBLA 366, 269 (1983).

If an individual locator uses the names of other people who do not have any personal or individual interest in the locations with the purpose and intent to secure a greater area than may be lawfully included in a single location by one individual or corporation, the association claim is unlawful and, therefore, invalid. *Id.* IBLA has concluded that:

A person cannot use the names of his friends, relatives, or employees as dummies, in order to locate for his own benefit a greater area of placer ground than is allowable by law. *Cook v. Klonos*, [164 F. 529 (1908)]. Any sham or device entered into whereby one individual is to acquire by location an amount or portion of a placer mining claim in an area more than 20 acres constitutes a fraud upon the Government, from which title is to be acquired, and any location made pursuant to such scheme or device is without legal support and void.

Id. At 370.

Table 7 - Corporate Officers in Cactus Gold Corporation
And Valley Gold Corporation at Incorporation Dates²⁵

Corporation Name	Incorporation Date	President	Secretary	Treasurer	Resident Agent
Cactus Gold Corporation	May 3, 1993	James T. Roe, III	James T. Roe, III	James T. Roe, III	Jones, Jones Close & Brown
Valley Gold Corporation	August 7, 1996	Chuck Ager ²⁶	Robert D. McDougal	Robert D. McDougal	Kenneth Ian Matheson

Table 8 - Corporate Officers in Cactus Gold Corporation and
Valley Gold Corporation at Time of 1996 Quitclaims²⁷

Corporation Name	Incorporation Date	President	Secretary	Treasurer	Resident Agent
Cactus Gold Corporation	August 12, 1996	Charles A. Ager	Charles A. Ager	Charles A. Ager	Kenneth Ian Matheson ²⁸
Valley Gold Corporation	August 15, 1996	Chuck Ager	Chuck Ager	Robert D. McDougal	Kenneth Ian Matheson ²⁹

In determining whether a mining claimant has used dummy locators, the Department has considered various forms of evidence, including (1) the amount each association member has invested in the venture, *McKittrick Oil Co.*, 44 I.D. 340, 343-44 (1915); (2) whether each locator has a material interest in the claim, *Centerville Mining & Milling Co.*, 49 I.D. at 509; (3) the intent of each locator in taking up and developing the land, *id.* At 523; (4) the location notices, which are considered “the best evidence,” *Alumina Development Corp.*, 77 IBLA 366 at 371; and (5) who has control over the claims, *id.* at 370. It is important for the Department to make such determinations because of the obvious temptation for mining claimants to locate association placer mining claims, using dummy locators, to avoid paying the \$125 maintenance fee³⁰ for eight times as many individual 20-acre claims. In the past doing so has saved the mining

²⁵ Source: Nevada Secretary of State Corporate Records. See Appendices 18 and 19.

²⁶ In testimony at the *U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson*, Office of Hearings and Appeals Docket No. 66052, pages 24 – 29, Charles Ager stated he was “indirectly the majority shareholder” (Tr. V. 20:3519-23, 3529-32) of Cactus Gold Corporation.

²⁷ Source: Nevada Secretary of State Corporate Records. Data as of the 1996 transfers of interest in the subject mining claims. See appendices 18 and 19.

²⁸ On August 9, 1996, Mr. Matheson accepted the position of Resident Agent. See page 12 of Appendix 18. The previous Resident Agent resigned on April 17, 1996.

²⁹ On August 2, 1996, Mr. Matheson accepted the position of Resident Agent for Valley Gold Corporation. See page 6 of Appendix 19.

³⁰ Starting on August 31, 2004 the schedule for maintenance fees to hold a mining claim was increased from \$100 per mining claim to \$125 per mining claim.

claimant \$700 per year, and under the new fee schedule it will save the mining claimant \$875 per year in maintenance fees for each placer mining claim.

Evidence of Improper Location of Association Placer Mining Claims

The 1993 Placer Mining Claim Location

In May 1993, Mr. Roe created the Cactus Gold Corporation, naming himself as President, Secretary, and Treasurer. Approximately three months later, in July 1993, Mr. Roe created four of the eight corporations that make up the association (the Roe Corporations). Mr. Roe named himself President, Secretary, Treasurer, and Resident Agent for all four corporations. With the exception of the period during which the corporations lapsed under Nevada law, they remained so organized until the claims were transferred to CGC and subsequently to VGC in August 1996. This evidences Mr. Roe's control over all four Roe Corporations for the time during which the association was the claimant from September 1993 to August 1996.

Likewise, in July 1993, three corporations (the Ager Corporations) were created by Mr. Ager, his wife, and daughter. During the relevant time period from September 1993 to August 1996, the three Ager Corporations were a part of the asserted association that held the 1993 locations. According to Nevada State corporate records, Mr. Ager was Secretary and Treasurer of Geosearch and Mincor. Mr. Ager's wife was President of Geosearch, and his daughter was President of Mincor. During the same time period Mr. Ager was President, Secretary, and Treasurer of Geotech Mining. As previously shown, Mr. Ager testified that he was the indirect "majority shareholder" in Cactus Gold Corporation.³¹ This is evidence that Mr. Ager controlled all three corporations during the relevant time period.

The eighth corporation, Pilot Plant, Inc., was created by three individuals on March 6, 1990, but two weeks later, by March 22, 1990, Mr. Matheson was named President, Secretary, and Treasurer (see Appendix 16). He remained in those positions until May 1993, when Mr. Matheson kept his position as President, named himself Resident Agent, and named two stepsons (family members) Secretary and Treasurer. Pilot Plant remained so organized until the claims were transferred to CGC and VGC in August 1996. Page 3 of the Decision rendered by ALJ Sweitzer for *U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson*, Office of Hearings and Appeals Docket No. 66052, states the following:

. . . The shareholders of Pass Minerals are Contestees Pilot Plant, Kiminco, and a defunct company called Pure Air (Tr. v. 3:579). The share holders of Kiminco are Mr. Matheson, his wife Debra Matheson, and Pilot Plant (Tr. v. 3:579). The shareholders of Pilot Plant are Mrs. Matheson's three children (Tr. v. 2:480, 482). Consequently, the ultimate beneficiaries of any monetary gains derived from the Mijo claims are Mr. Matheson and his family.

This is evidence that Mr. Matheson and his family controlled Pilot Plant during the relevant time period, when Pilot Plant was a member of the association that located and maintained the 170

³¹ See footnote 23.

acre claims. While each point of evidence may not individually serve as an adequate basis to support a charge of dummy locator use, the combined evidence is compelling.

First Mr. Roe created Cactus Gold Corporation on May 3, 1993, before any of the subject claims were located. Approximately three months later, on July 29, 2003, Mr. Roe created four of the eight corporations that located the 170 claims as association placer mining claims in September 1993. Also on July 29, 2003, Mr. Ager, his spouse, and daughter created three of the eight corporations that located the 170 association placer mining claims in September 1993.

As discussed above, Mr. Roe is the only corporate Officer for the four Roe Corporations. This evidences Mr. Roe's exclusive control over all four Roe Corporations at the time of location. Accordingly, the Roe Corporations enabled Mr. Roe or the claimant to add acreage to the association that otherwise would have been unauthorized. This indicates that the claimant intended to circumvent the location requirements for an association placer mining claim.

Similarly, Mr. Ager created the three Ager Corporations with his spouse and a daughter, over which Mr. Ager appeared to have significant or complete control at the time of location. Accordingly, the Ager Corporations enabled Mr. Ager to add acreage to the association placer mining claim that otherwise would have been unauthorized. This indicates that the claimant intended to circumvent the location requirements for an association placer mining claim.

Mr. Ager is the only corporate officer for CGC, the current claimant, which evidences his exclusive control over CGC. As discussed above, the 170 placer mining claims located in 1993 were transferred to CGC on August 12, 1996. Three days later, 56 of those claims were transferred to VGC, for which Mr. Ager holds corporate positions of President and Secretary. This also indicates that Mr. Ager largely controls VGC, and that the claimant intended to circumvent the location requirements for an association placer mining claim.

Second, according to testimony in the contest *U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson*, Office of Hearings and Appeals Docket No. 66052, the Administrative Law Judge, Sweitzer, adduced that Mr. Matheson, who formed the eighth corporate member of the association, has a history of close, intermingled business ties with Mr. Ager. Thus, the evidence indicates that Mr. Ager used Mr. Matheson and Pilot Plant, Inc., as the eighth corporate member of the association, to circumvent the requirements for a placer association claim and locate for his own benefit a greater area of placer ground than is allowable by law.

Third, the mineral examiners have found no evidence showing that each corporation had a specific material interest in the locations or an intention to operate a mining property. Indeed, the fact that none of the eight original corporations is a current claimant tends to show that none had an intention to operate a mining property on the subject claims.

Fourth, there is no facial evidence from the location notices or any other source showing that all eight corporations had an equal economic interest in the location of these claims. Nor, have the Mineral Examiners found any evidence showing all eight corporations had equal shares in the placer association. As mentioned above, IBLA has considered the amount each association member has invested in the venture in determining whether a mining claimant has used dummy locators. *McKittrick Oil, Co.*, 44 I.D. at 343-44.

Table 9 - 1999 Locating Association's Relationship to Charles Ager

Associate	Relationship to Charles Ager
Andrew L. Dall	Employee of CGC, Mr. Dall signed BLM Plan of Operations, N-66542, submitted on April 5, 2001 as Operator (Authorized Official). An attachment to the Plan of Operations is a letter dated April 17, 1996 Address to Andrew L. Dall, Cactus Mining Corporation, from Analytical Materials Laboratory, Santa Barbara, California
Shannon L. Dall	Shannon L. Dall is believed to be the spouse to Andrew L. Dall. When Chatterton interviewed Gordon Ellis concern the location of Andrew Dall he was also asked about Shannon Dall and Mr. Ellis indicated that she was his spouse. Internet searches also link Andrew Dall and Shannon Dall to the same addresses.
Charlton S. Ager	The specific relationship of Charlton to Charles Ager is uncertain however, the Mineral Examiners believe there is a family tie. He signed the quitclaim (see Appendix 21, page 22) at the same time, using the same notary, that Carol Ager and Caroline Ager signed their quitclaims in Whatcom County, Washington.
Caroline I. Ager	Caroline is a daughter to Charles Ager, <i>U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson</i> , Office of Hearings and Appeals Docket No. 66052, Tr. v. 20:3514
Carol J. Ager	Carol is the spouse to Charles Ager, <i>U.S v. Pass Minerals, Kiminco, Inc., Pilot Plant, and K. Ian Matheson</i> , Office of Hearings and Appeals Docket No. 66052, Tr. v. 20 3515
Fred J. Toti	Uncertain relationship to Mr. Ager.
George Stephen, IV	Employee of CGC when the Mineral Examiners visited the CGC/VGC mill on June 18, 2003 we were introduced to George Steven, IV. The Mineral examiners were specifically informed that he was the son of George Steven and Kathleen Stephen. BLM was informed that George Stephen, IV's relationship with CGC/VGC ended during the 1 st half of calendar year 2004.
Kathleen M. Stephen	Kathleen acted as an employee of Mr. Ager, Mr. Roe, and Mr. Matheson when she was the agent for locating a portion of the 170 placer mining claims located in 1993. While the mineral examiners have no direct evidence to her employment by CGC or VGC, BLM's routine contact with individuals associated with the CGC/VGC operations included Ms. Stephen. Ms. Stephen's relationship to the CGC/VGC operations appears to have ended during the calendar year 2002.

A review of the payment of location and maintenance fees up to the time of transfer of interest to CGC shows that Mr. Matheson, through Pilot Plant, Inc., paid all the fees for the 170 placer mining claims. This included the payment of the maintenance fees on August 12, 1996, the same day Pilot Plant, Inc. transferred its interest to CGC, controlled by Mr. Ager. (See Appendix 21, pages 7 through 10.) There is no evidence that other association members contributed to the payment of maintenance fees.

The lack of any evident contribution on the part of at least the four Roe Corporations and the three Ager Corporations, constitutes evidence that these corporations held no monetary interest in the association. Further the fact that Mr. Matheson, through Pilot Plant, Inc., paid all the maintenance fees, including the 1996 maintenance fees just prior to the transfer of interest, adds to the argument that Mr. Matheson was lending his corporation's name to Mr. Ager. It would further appear that Mr. Matheson was probably doing this for a fee. This would be supported by the action taken by on August 12, 1996, when Mr. Matheson paid \$17,900 in fees (see Appendix 21, page 10) and transferred all interest in the claims on the same day for \$10 and a royalty interest (see Appendix 21, pages 11 through 19).

Fifth, the location of this large block of claims by an association saved Mr. Ager, CGC, and VGC thousands of dollars in annual maintenance fees. A mining claimant was required to pay a \$100 per claim maintenance fee (see footnote 30) on an annual basis, regardless of the size of the claim. 30 U.S.C. § 28(f) – (k). For the 170 association placer mining claims located in 1993, \$17,000 would have been paid to the United States annually. This amounts to \$187,000 for the eleven-year period from 1993 – 2004. Had the claims been properly located as 20-acre claims, \$135,600 would have been due annually, which amounts \$1,491,600 for this same period. This indicates that, by holding association placer mining claims larger than those to which he is entitled as a person, Mr. Ager has avoided paying the United States \$1,304,600 in maintenance fees for the 1993 claims.³⁴

IBLA has indicated that the best evidence of dummy-locator is the location certificates themselves. *Alumina Development Corp.*, 77 IBLA 366 at 371. Two agents were used by the association of corporate locaters in 1993. Representative copies of the location certificates are contained in Appendix 21, pages 1 through 4. A simple review of these certificates reveals very little. Of note from these certificates is the address for the eight locating corporations. There are two different addresses for all eight. The addresses for the Roe Corporations are all at a mail box drop. The addresses for the Ager Corporations and Pilot Plant, Inc. are Mr. Matheson's residence. These addresses are within ½ mile of each other.

Thus, it is reasonable to conclude that Mr. Ager intentionally utilized dummy locators to locate the subject placer mining claims in 1993, and such locations are without legal support and void. While Mr. Ager might normally be entitled to relocate placer mining claims of 20-acres each, relocation of 1,356 20-acre claims is not possible because most of the subject lands have been closed to mineral entry. Four of the original 160-acer placer mining claims can be relocated as 20-acre claims because the area is outside of the withdrawn area. This would result in the location of up to thirty-two 20-acre placer mining claims.

³⁴ This estimated calculation accounts for the one claim that is 80 acres and the 169 claims that are 160 acres, but it does not include applicable first-year maintenance fees or any additional recordation fees that would have been owed for a larger number of properly sized placer mining claims. Nor does this estimate take into consideration the additional \$25.00 per mining claim increase for maintenance fee. Thus, the actual annual fees due would increase by \$4,250 for this 170 association placer mining claims or \$33,900 additional fees per year under the new fee schedule for properly located 20-acre mining claims.

The 1999 Placer Mining Claim Locations

The evidence indicates that Mr. Ager intended to use his family members'/friends'/employees'/co-workers' names as dummy locators to locate these 91 160-acre placer mining claims, presumably to avoid paying the \$100 maintenance fee for eight times as many individual 20-acre claims. While each point of evidence may not individually serve as an adequate basis to support a charge of dummy locator use, the combined evidence is compelling.

First, the Mineral Examiners have found no convincing documentation or evidence showing that the association is anything more than a collection of names. As explained above, the eight members of the association either were related to, friends of, or employed by Mr. Ager. There is no evidence showing that each individual had a personal material interest in the locations or an intention to operate a mining property.

Second, there is no facial evidence from the location notices, or any other source, showing that all eight individuals had any economic interest in the location of these claims. Nor have the Mineral Examiners found any evidence showing all eight individuals had equal shares in the association. As mentioned above, IBLA has considered the amount each association member has invested in the venture in determining whether a mining claimant has used dummy locators. *McKittrick Oil, Co.*, 44 I.D. at 343-44. The lack of any evident contribution on the part of Mr. Ager's family members, friends, or employees (the locating association) is evidence that they were merely loaning their names as locators, without any intention of being involved in the location or development of these claims.

Third, only fourteen months after the 91 claims were located, all interest in those claims was transferred to CGC, which is exclusively controlled by and benefits Mr. Ager.

Fourth, the location of this large block of placer mining claims by an association saved Mr. Ager thousands of dollars in annual maintenance fees. For the 91 association placer mining claims located in 1999, \$9,100 would have been paid to the United States annually, which totals \$45,500 through 2004. Had the claims been properly located as 20-acre claims, \$72,800 would have been due annually, which equals \$364,000.³⁵

As previously indicated, IBLA states that the best evidence of dummy-locator is the location certificates themselves. *Alumina Development Corp.*, 77 IBLA 366 at 371. The 91 certificates of location for the 160-acre association placer mining claims located in 1999, were prepared by Andrew L. Dall. His signature is as locator and not as agent.³⁶ A representative copy of the location certificates is contained in Appendix 21, page 5 and 6. While all locaters are

³⁵ This estimated calculation does not include applicable first-year maintenance fees or any additional recordation fees that would have been owed for a larger number of properly sized placer mining claims. Also see comments in footnote 33 concerning the increased fee scheduled. Implementing the new fee schedule will result in an additional \$25 per claim. For the existing 91 claims the fees will increase \$2,275 per year and if the proper number of 20-acre mining claims were located the fees would increase by \$9,100 per year. Had Mr. Ager located all 261 subject claims as appropriately sized 20-acre placer mining claims, he would have owed the United States a total of approximately \$1.67 million in Maintenance fees. Further he would be paying the United States Government under the new fees schedule \$130,375 annually instead of the \$26,100 for the 261 160-acre association placer mining claims.

³⁶ BLM believes that Andrew L. Dall acted as agent for the other seven members of the association.

not required to sign the location documents, it leads one to look for other evidence of the other locators' participation. None can be seen except for the signature contained on identical quitclaim deeds which were all executed in July 2000 (see Appendix 21, pages 20 through 31). Of note is where each of the location notices signed by the Grantors (the original locators). Only three of the original locators were signed in Clark County, Nevada (the location of the claims). These three are Andrew Dall, George Stephen, IV, and Kathy M. Stephen³⁷. As previously stated it is the mineral examiner's assertion that all three of these individuals were employees of Cactus Gold Corporation or Mr. Ager during this time. Fred J. Toti was the only other original locator located in the State of Nevada at the time the quitclaims were executed. Shannon Dall was in Gila County, Arizona. Charlton Ager, Caroline Ager, and Carol Ager signed in Whatcom County, Washington.³⁸

Additional evidence that the eight original locators were lending their names to Cactus Gold Corporation is the May 7, 1999, "Receipt and Accounting Advice" contained in the placer mining claim location file. This instrument is the document prepared by the BLM to record the payment of fees related to maintenance and location of the placer mining claims. Of note are the names that are contained on the instrument. The "Applicant"³⁹ is Andrew L. Dall, however, the "Remitter"⁴⁰ in this case is Cactus Mining Corporation. (See Appendix 21, pages 33 and 34.) Cactus Mining Corporation was incorporated on August 7, 1996 with Charles Ager as President, Secretary, and Treasurer, and K. Ian Matheson as Resident Agent. Incorporation documentation is found in Appendix 22.

Thus, it is reasonable to conclude that Mr. Ager utilized dummy locators to locate the subject 91 association placer mining claims in 1999, as such locations are without legal support and void. While Mr. Ager might normally be entitled to relocate 720 20-acre placer mining claims, from the revocation of the 91 association placer mining claims it is not possible because the subject lands have been closed to mineral entry. Two of the 160-acre placer mining claims located in 1999, are outside of the withdrawn area and 16 20-acre placer mining claims can be relocated.

³⁷ Kathy M. Stephen is the signature on the "Deed to Placer Mining Claims." Referring to the Notary Public statement the name is Kathleen M. Stephen. The mineral examiners assume that Kathy M. Stephen and Kathleen M. Stephen is the same individual.

³⁸ Whatcom County is located in the far northwest corner of the State of Washington. The northern border of Whatcom County is with British Columbia (BC) Canada. It is a short drive from Surrey, BC to Whatcom County to utilize the services of a United States based notary. Mr. Ager maintains a residence in Surrey, BC (see Appendix 22, pages 7, 10, 11, 12, and 14). It is reasonable to assume that Caroline Ager, Charlton Ager, and Carol Ager traveled to Whatcom County on July 19, 2000 at the behest of Charles Ager, and executed quitclaim deeds before notary Sue Knowlton. (Appendix 21, pages 22 through 24.) According to records on file with the State of Washington, Ms. Knowlton is a notary public located in Blaine, which is a very short distance from the border with Canada (see Appendix 21, page 32).

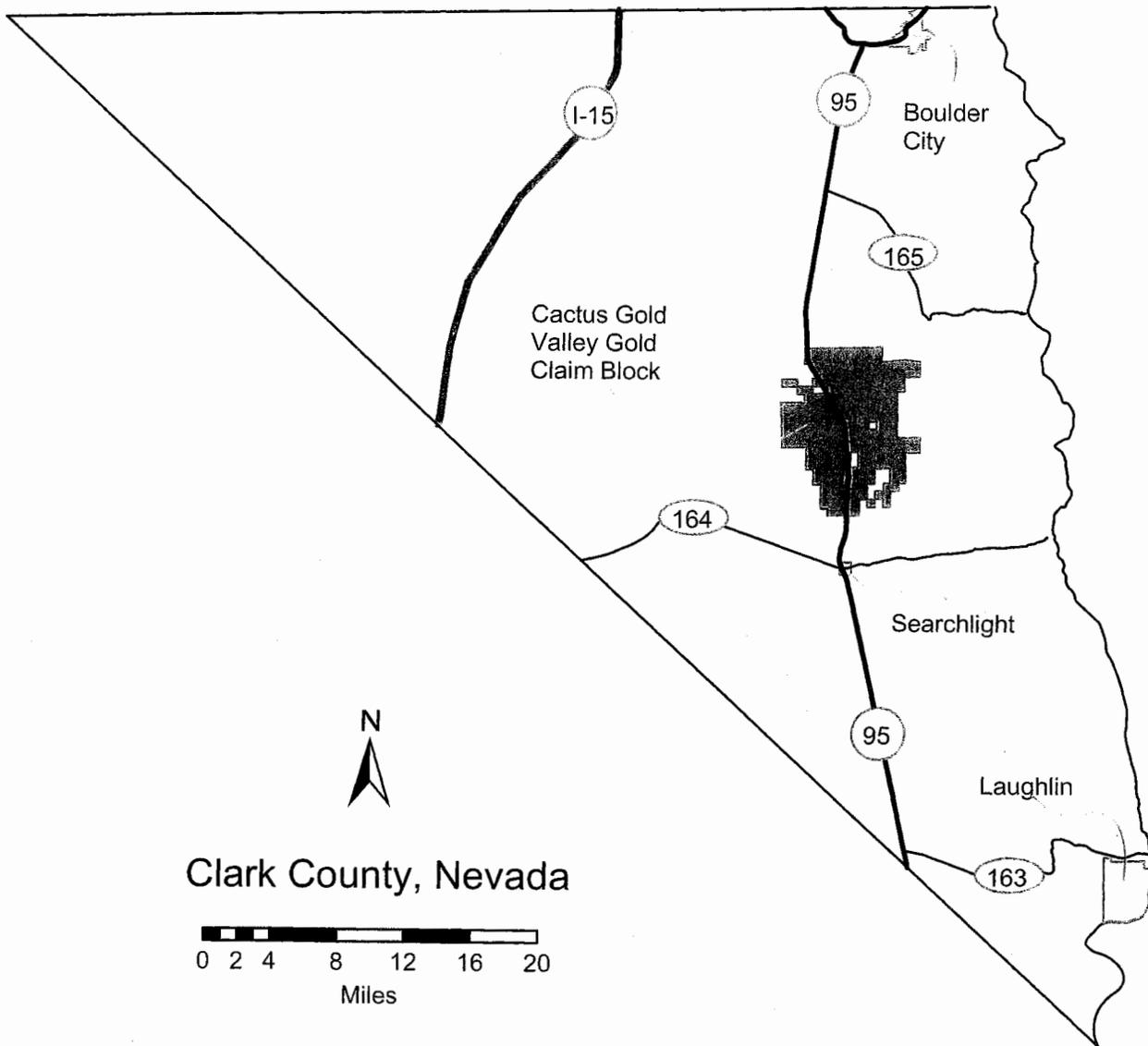
³⁹ In this case the "Applicant" is the name of the individual or company submitting the documents to the BLM for filing.

⁴⁰ In this case the "Remitter" is the name of the individual or company providing payment to the BLM for the filing.

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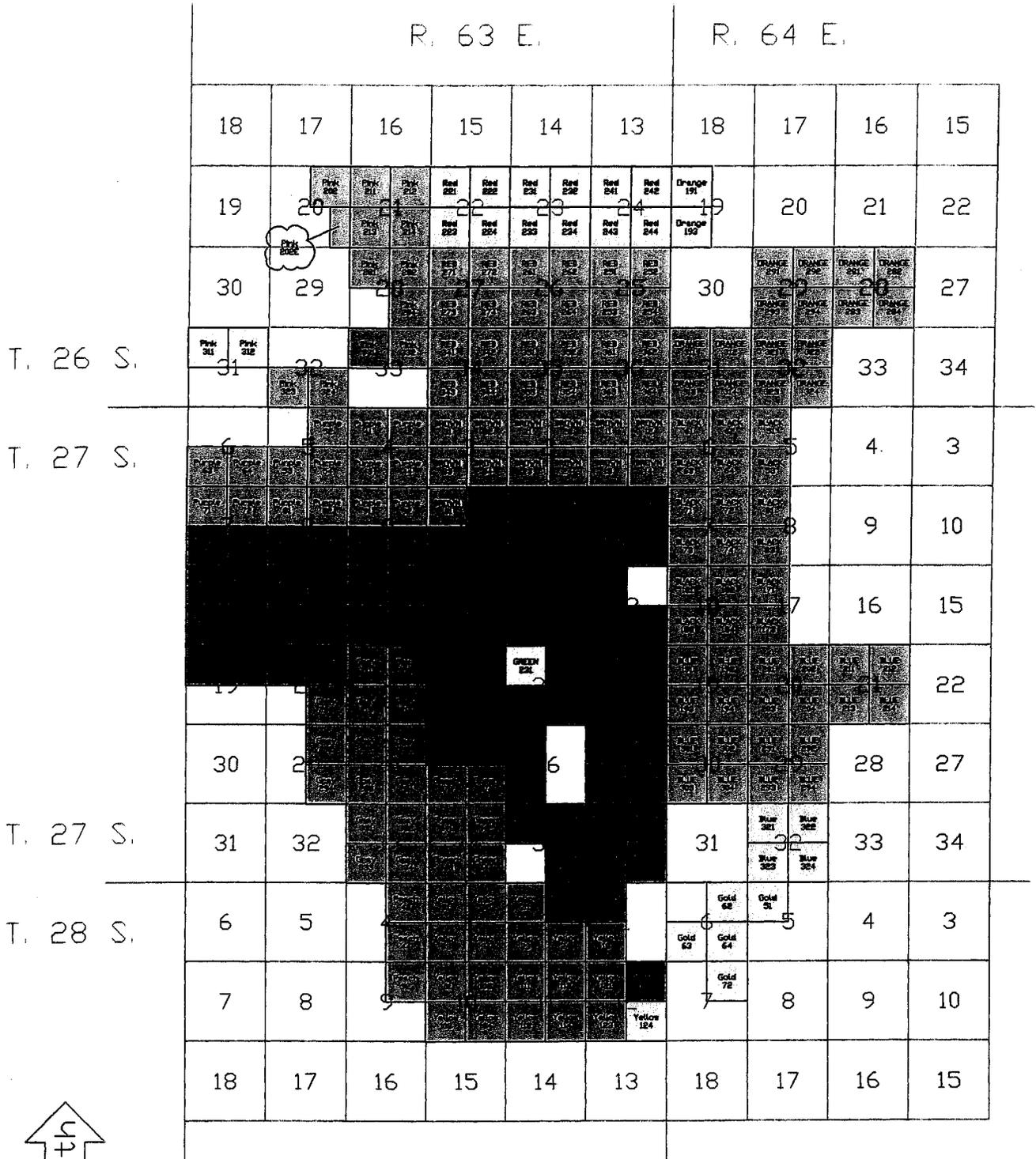
Map 1

Location Map



Map prepared by: Mark Chatterton
April 2, 2004
Source: Topographic maps of the region.

Map 2 - Mining Claims held by Cactus Gold and Valley Gold



Location Date

Location Date

Location Date



9/1/1993



9/28/1993



5/2/1999



9/2/1993

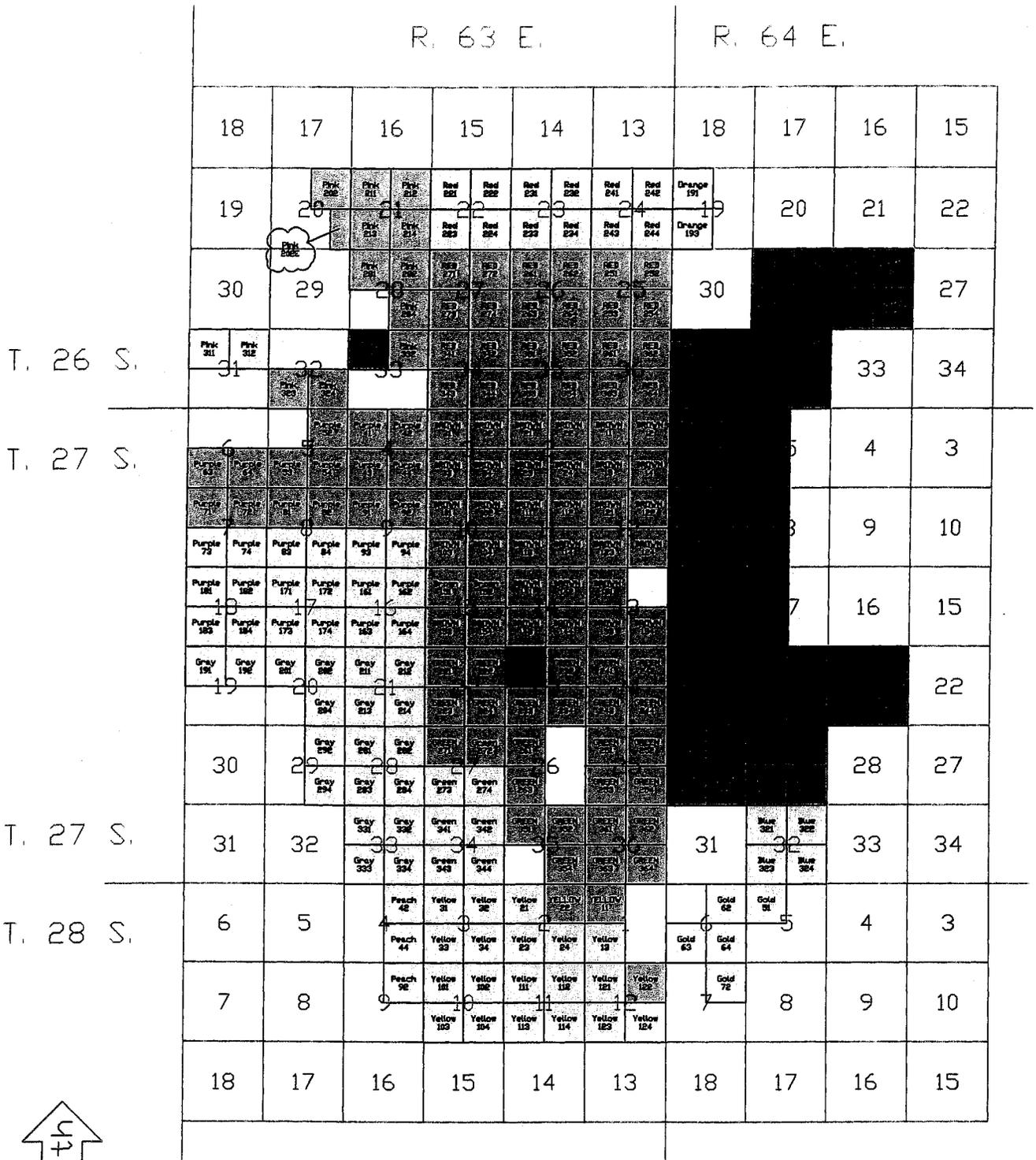


5/4/1999



5/3/1999

Map 3 - Claims located by Agents

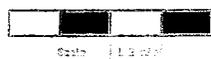
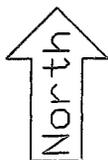


T. 26 S.

T. 27 S.

T. 27 S.

T. 28 S.



Claims locate by Agent Donald J Hales in 1993



Claims locate by Agent Kathleen M Stephen in 1993

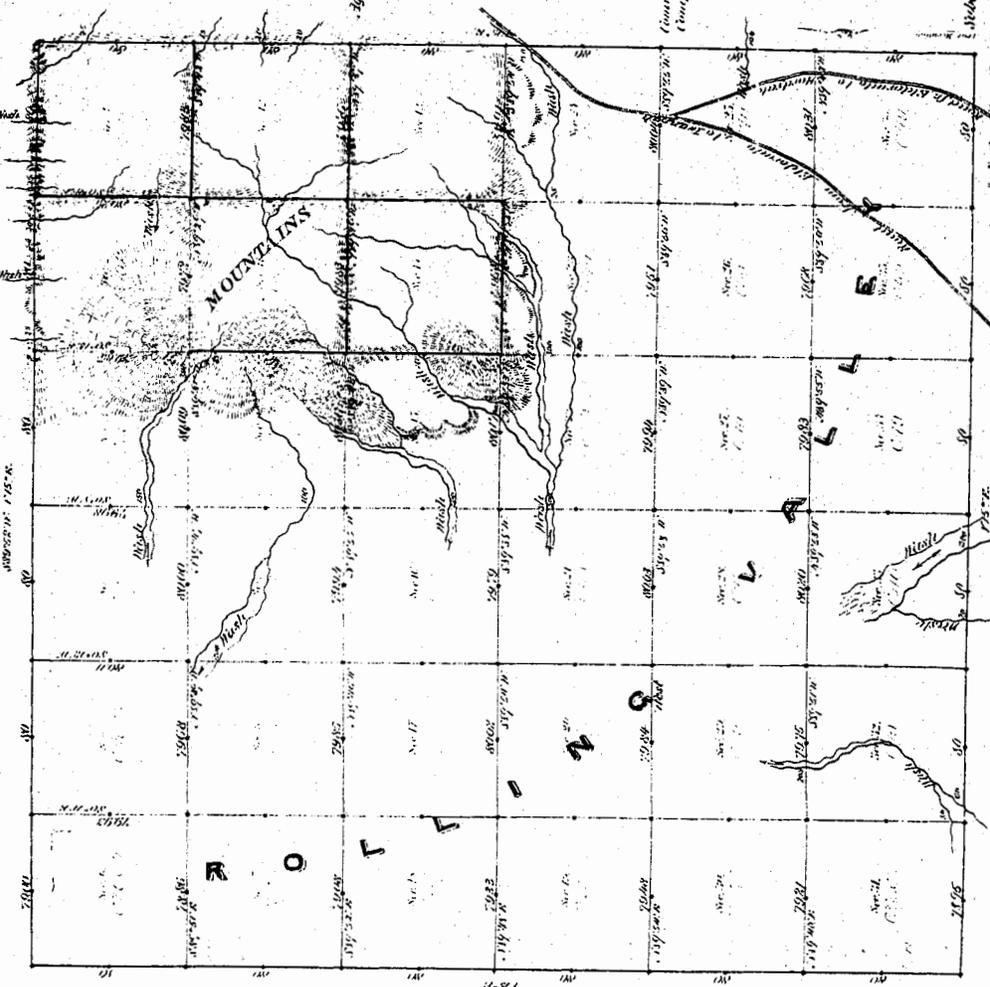


Claims locate by Agent Andrew J ... in 1993



Appendix 1. Photograph of Typical Location Monument. Photograph by M. Chatterton, April 17, 2003. Scene faces approximately west. Location monument is the white PVC pipe. Yellow device with wire leading to yellow backpack on all-terrain vehicle is the RTK Global Positioning Satellite receiving system used to confirm locations. Linear feature in background is construction operation on U.S. Route 95.

TOWNSHIP N° 26 SOUTH RANGE N° 63 EAST MOUNT DIABLO MERIDIAN



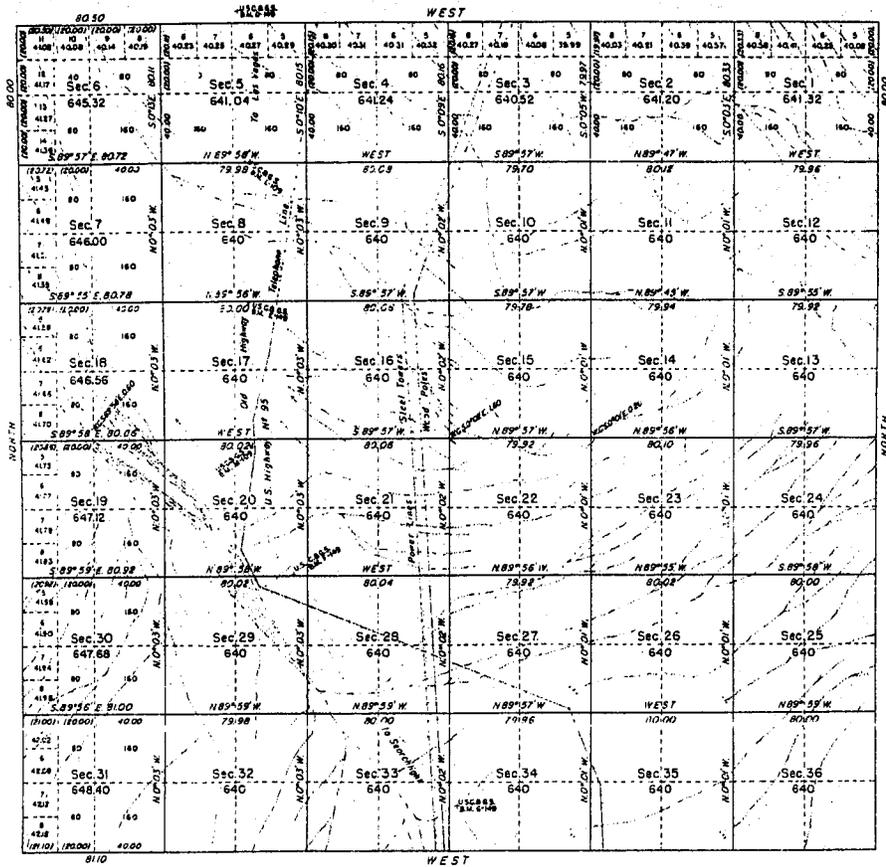
Approximate Area of Public Land Surveyed, 22,000, 10 Acres.

Commenced November 24th 1882.
Completed December 1st

Measurements run with a variation of 15' East.

The above map, prepared by Ross & Smith, is a copy of the original plat of the public land survey, and is subject to the same conditions as the original plat. It is not to be used for any other purpose than for the purpose of showing the location of the public land survey. The original plat is on file in the office of the Surveyor General, Denver, Colorado. December 30th 1882.

TOWNSHIP N^o 26 SOUTH, RANGE N^o 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA.
INDEPENDENT RESURVEY



INDEPENDENT RESURVEY
SUPERSEDING THE SURVEY EX-
ECUTED BY T.A. WAGLE IN
1883.

RESURVEY AUTHORIZED BY
GENERAL LAND OFFICE LETTER
1873E11 *E* DATED MARCH 23,
1937.

Latitude 35° 38.0' N.
Longitude 114° 52.9' W.

Scale: 40 Chains to an inch. Area Resurveyed, 83,086.40 Acres.

LINES DESIGNATED BY WHOM SURVEYED	GROUP NO.	DATE OF SPECIAL INSTRUCTIONS	WHEN SURVEYED	
			BEGUN	COMPLETED
W.E.B. & H. BORS.	NO CONRIC AND ALBERGA	138	NOVEMBER 20, 1937	APRIL 9, 1940
SUBDIVISION	"	"	"	APRIL 5, 1941

UNITED STATES DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

DENVER, COLORADO, AUGUST 14, 1945.
THIS PLAT OF TOWNSHIP NO. 26 SOUTH, RANGE
NO. 63 EAST, OF THE MOUNT DIABLO MERIDIAN,
NEVADA, IS STRICTLY CONFORMABLE TO THE FIELD
NOTES OF THE SURVEY THEREOF WHICH HAVE BEEN
EXAMINED AND APPROVED.

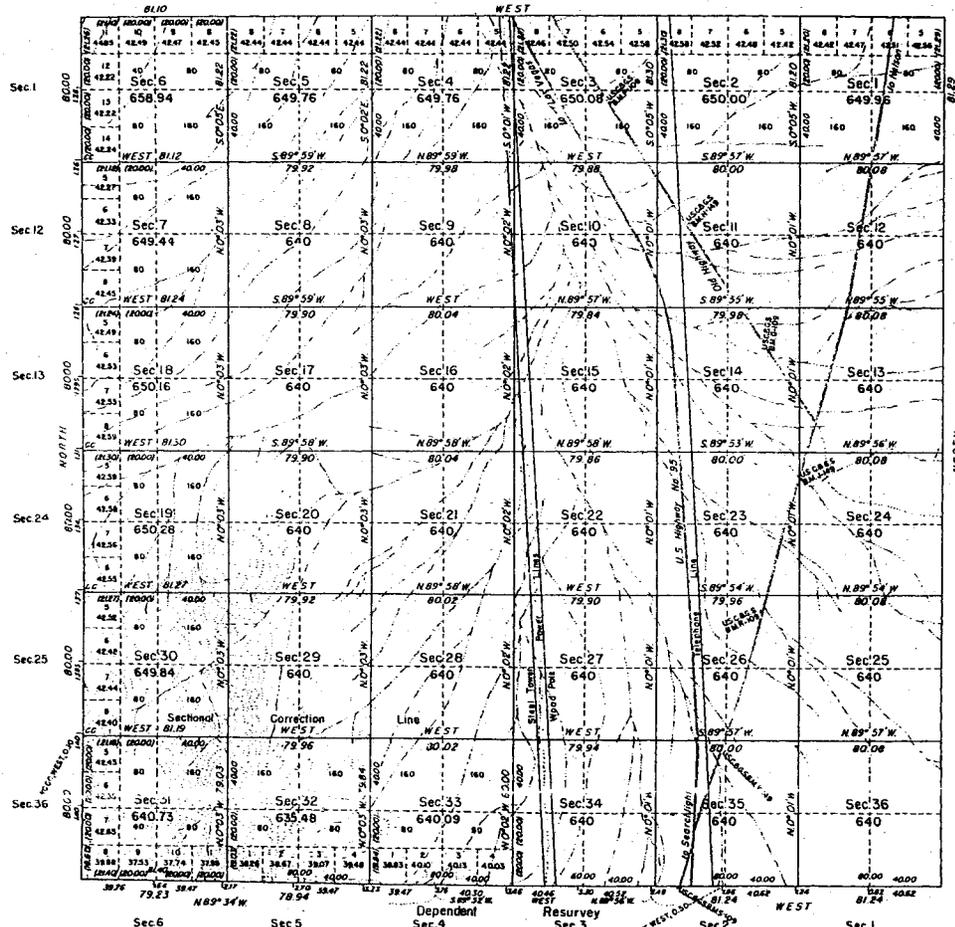
Earl G. Harrington
ACTING SUPERVISOR OF SURVEYS

WASHINGTON, D. C., JANUARY 18, 1946.
THE SURVEY REPRESENTED BY THIS PLAT
HAVING BEEN CORRECTLY EXECUTED IN ACCORDANCE
WITH THE REQUIREMENTS OF LAW AND THE REGU-
LATIONS OF THIS OFFICE, IS HEREBY ACCEPTED.

Joel David Hallett
ASSISTANT COMMISSIONER

ORIGINAL

TOWNSHIP N^o 27 SOUTH, RANGE N^o 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA. INDEPENDENT RESURVEY



Resurvey authorized by General Land Office
letter 1675821 E dated March 23, 1937

Latitude 35° 32' 8" N.
Longitude 114° 52' 9" W.



Scale in chains 0 10 20 30 40 50 60 70 80
Area Resurveyed 23,445.52 Acres.

LINES ORIGINATED	BY WHOM SURVEYED	GROUP NO.	DATE OF SPECIAL INSTRUCTIONS	WHICH SURVEYED	
				BEGUN	COMPLETED
Exterior	Wilson Mc Conkie B. Alysn C. Albers	239	November 20, 1937	Feb. 19, 1940	Apr. 5, 1940

Denver, Colorado, March 1, 1941.

This plat is strictly conformable to the field notes of the survey which have been examined and approved.

W. H. ...
Acting Chief Cadastral Engineer.

Washington, D. C., September 17, 1941

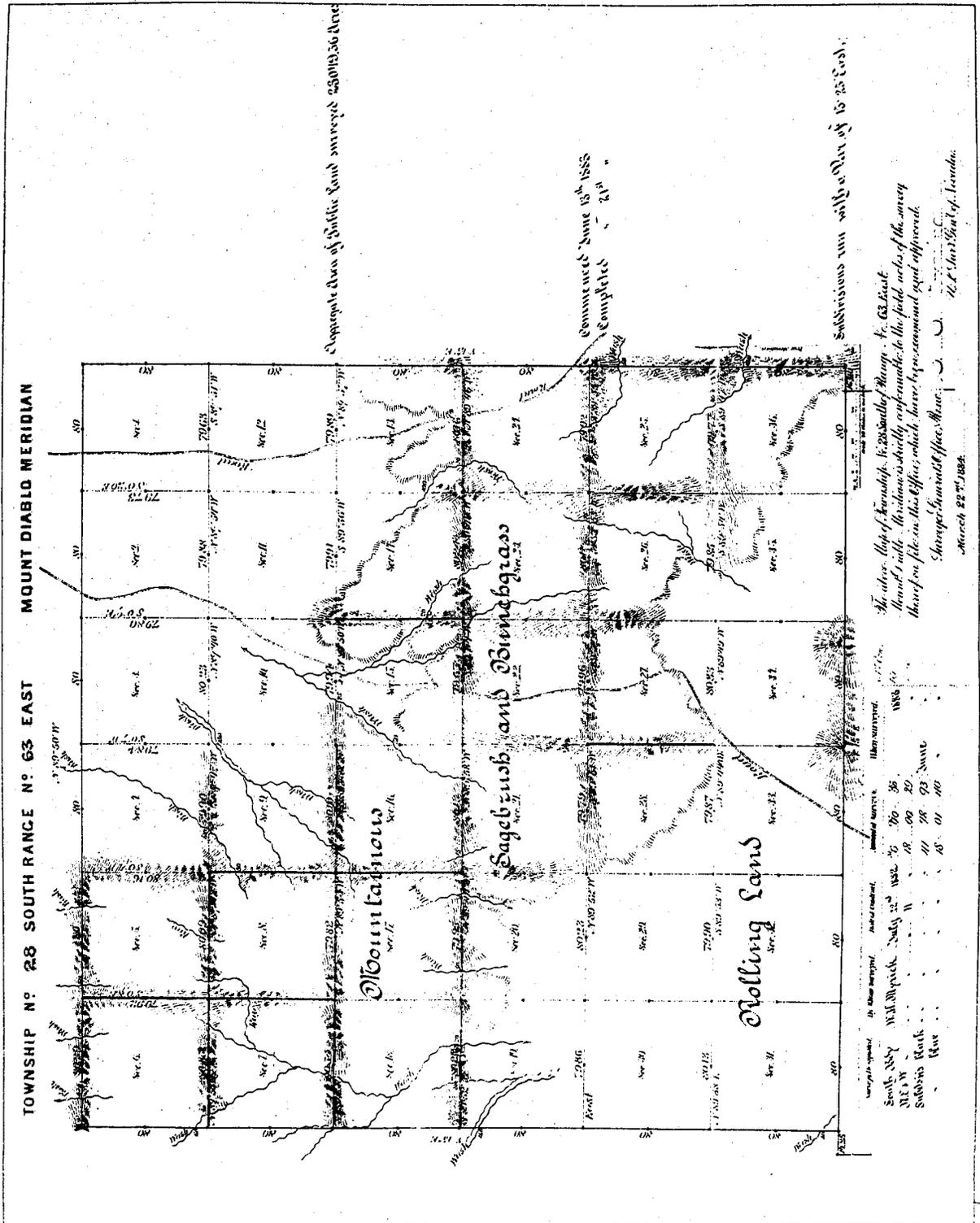
The survey represented by the plat, having been correctly executed in accordance with the requirements of law and the regulations of the office, is hereby accepted.

Phooc ...
Assistant Director

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

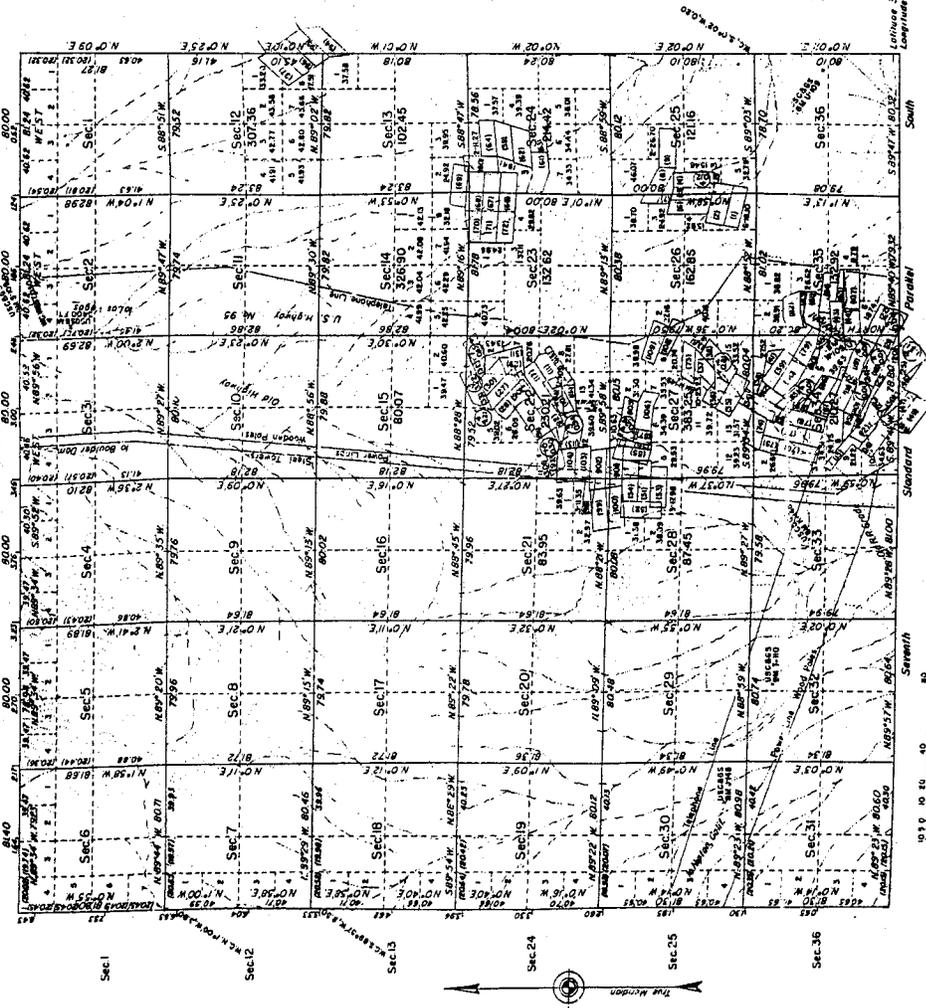
Appendix 2
Survey Plats for Townships Containing
Subject Mining Claims

Page 4 of 9 pages



TOWNSHIP N° 28 SOUTH, RANGE N° 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA.

DEPENDENT RESURVEY
(IN 2 SHEETS)



MEMORANDUM

The plat annexes a retracement and reestablishment of the lines of the original survey in their true original positions according to the original plat and those derived in the retracement thereon. In all respects, all differences between the measurements shown on the original plat and those derived in the retracement have been corrected. The retracement is based on the original plat, with bearings, distances and bearings and distances being shown in their original positions and in their true original positions. The showing of areas and more detailed descriptions of the various tracts and subdivisions, except where new areas are shown therein.

Returvey authorized by General Land Office letter 1673821 E, dated March 21, 1937.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Washington, D. C. September 17, 1937

The survey represented by this plat, having been correctly conducted according to the requirements of the law and the regulations of this office, is hereby approved.

Denver, Colorado, March 7, 1942

The plat is hereby confirmed to the full mass of the survey which has been examined and approved.

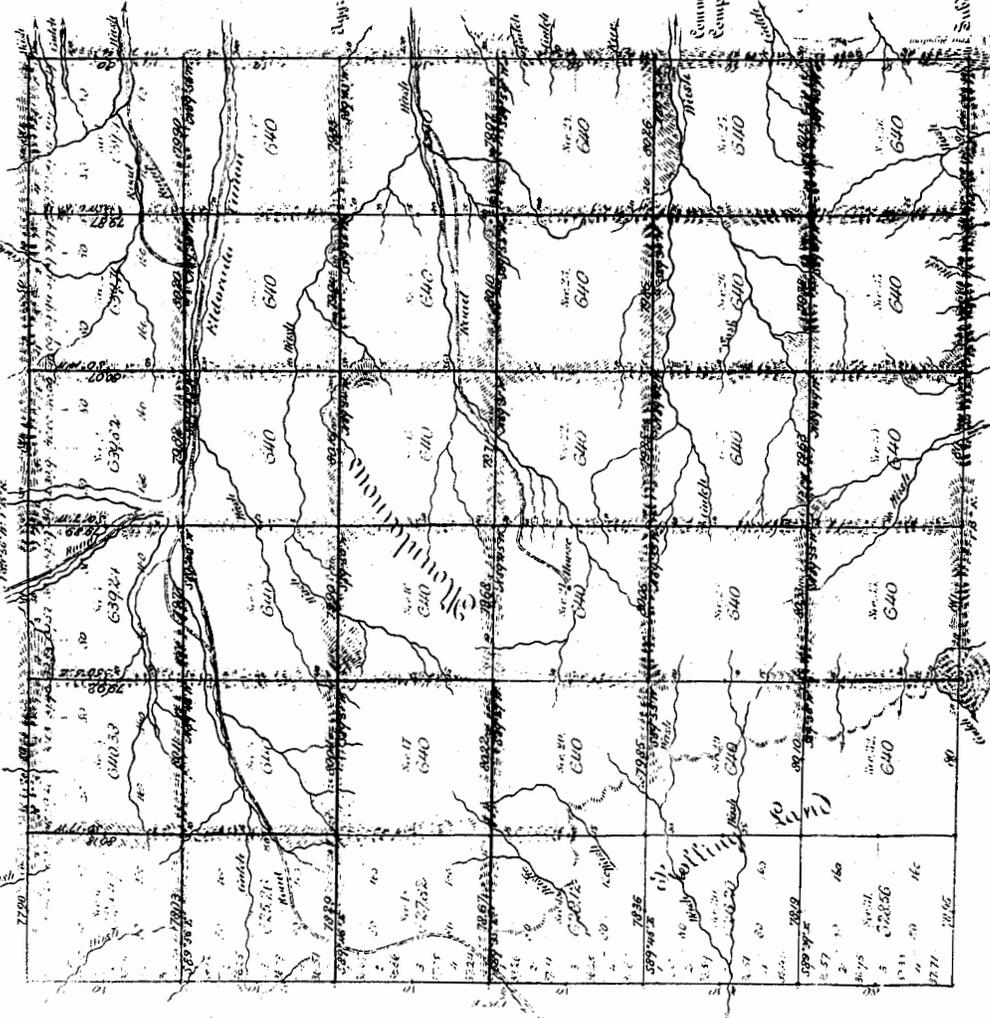
[Signature]
Assistant Director

[Signature]
Acting Chief Cadastral Engineer

Area exclusive of irrigations 24,454.68 acres.
Total 23,028.28 acres.

LINE OBSOLETE	BY WHOM SURVEYED	DATE OF SURVEY	DATE OF REVISION	BY WHOM REVISION	DATE OF REVISION
Entire	James H. Friedman	2/29	November 20, 1937	April 13, 1939	April 27, 1940
Subdivisional	William McConel and Allyn C. Blaylock				

T385, R. 63 E.



Appropriate Areas of Public Land reserved 2-25-1877. Res.

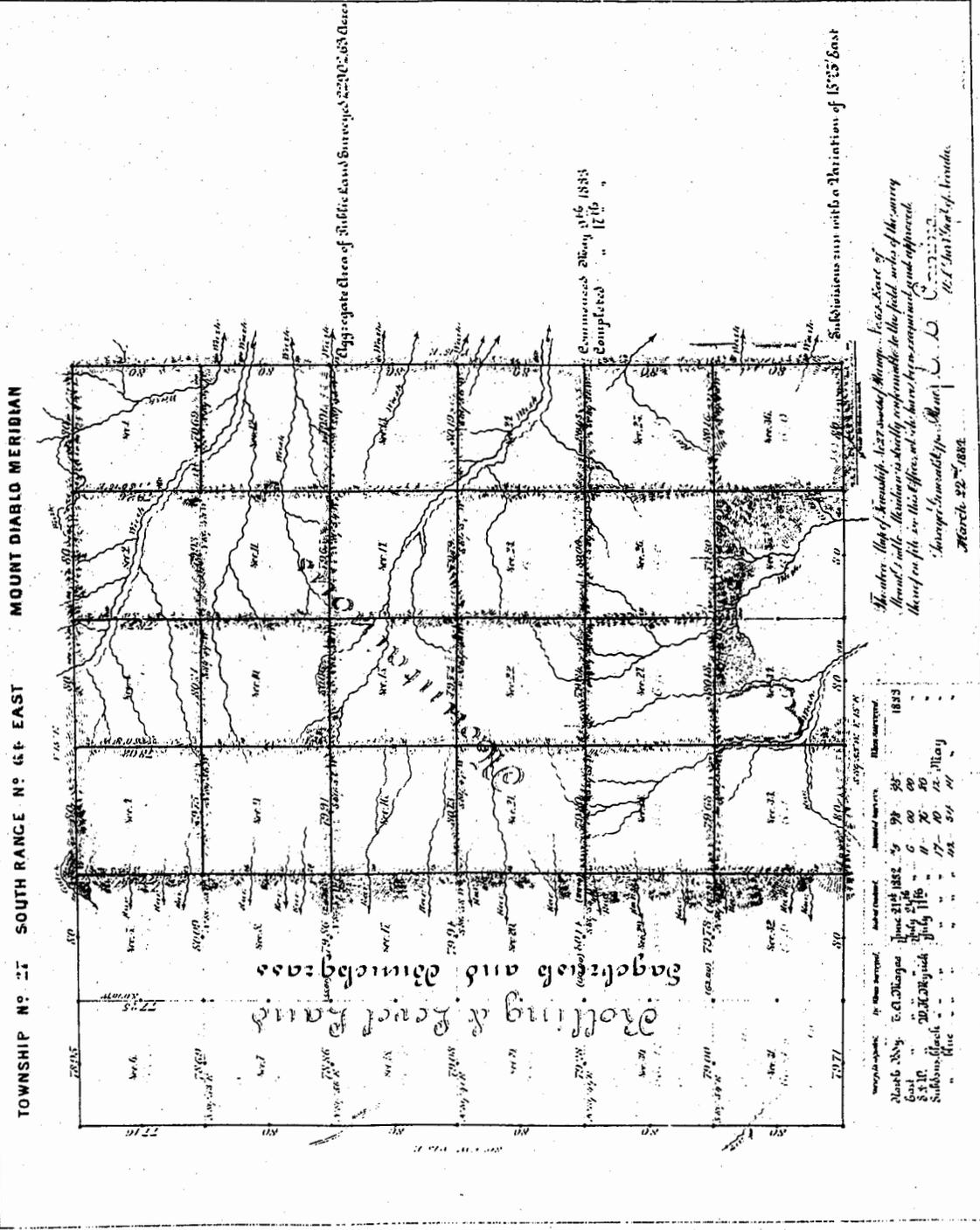
Commenced November 13 1897.
Completed

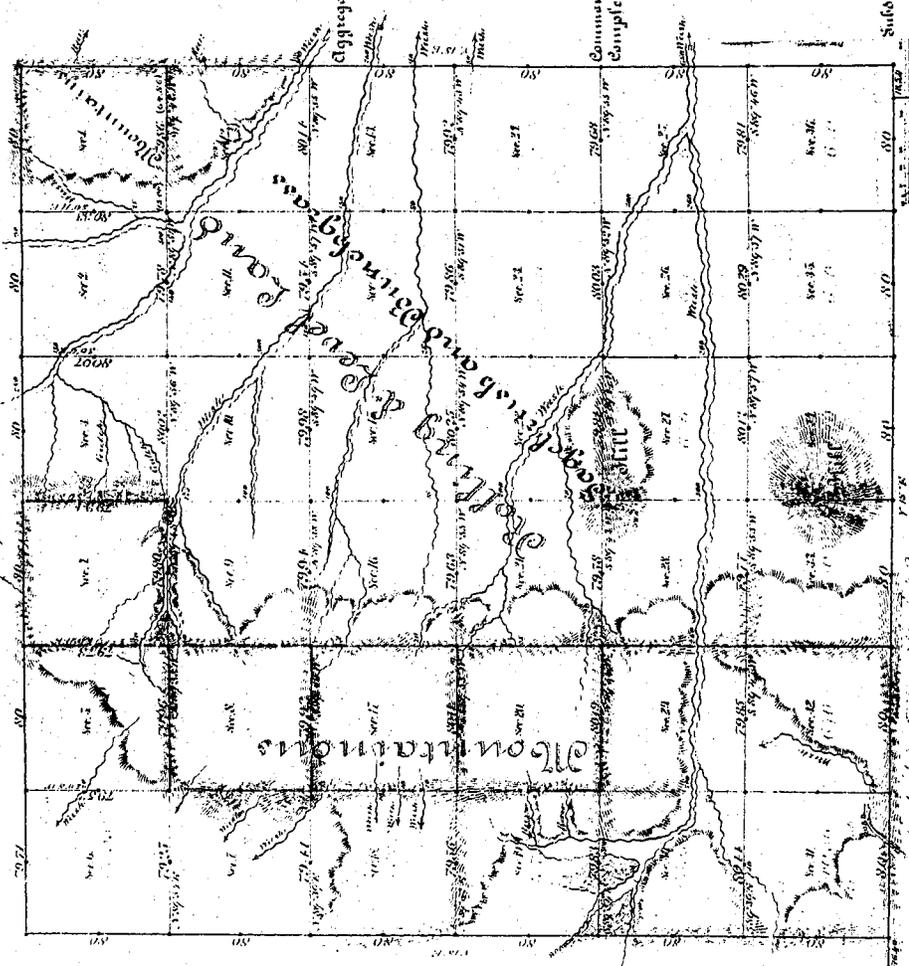
Subdivisions run with variation of 18' East.

Wm. H. ...
New, Nevada
December 30, 1897.

Wm. H. ...
June 21st 1897.
Section 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36.

2929





Aggregate Area of Miffic Range Survey 2507.609 A.

Commenced June 6th 1883
Completed " 15th "

Subsidiary run with adjustment of 15.33 East.

Notice: This plat is a copy of the original plat filed in the office of the Surveyor General of the Territory of Kansas, and is subject to the provisions of the act of the Legislature of the Territory of Kansas, approved March 22nd 1884.

Section	Owner	Acres
1	W. C. Magee	36
2	W. C. Magee	36
3	W. C. Magee	36
4	W. C. Magee	36
5	W. C. Magee	36
6	W. C. Magee	36
7	W. C. Magee	36
8	W. C. Magee	36
9	W. C. Magee	36
10	W. C. Magee	36
11	W. C. Magee	36
12	W. C. Magee	36
13	W. C. Magee	36
14	W. C. Magee	36
15	W. C. Magee	36
16	W. C. Magee	36
17	W. C. Magee	36
18	W. C. Magee	36
19	W. C. Magee	36
20	W. C. Magee	36
21	W. C. Magee	36
22	W. C. Magee	36
23	W. C. Magee	36
24	W. C. Magee	36
25	W. C. Magee	36
26	W. C. Magee	36
27	W. C. Magee	36
28	W. C. Magee	36
29	W. C. Magee	36
30	W. C. Magee	36
31	W. C. Magee	36
32	W. C. Magee	36
33	W. C. Magee	36
34	W. C. Magee	36
35	W. C. Magee	36
36	W. C. Magee	36

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UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

Admin State: NV

Geo State: NV

Mer Twp Rng: 21 0260S 0630E

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0018307	285130	AUTHORIZED	307	ROW GRANTED-ISSUED	12/01/1934	Total Acres = 3598.69
SO CA METRO WATER DIST			BOX 54153		LOS ANGELES	CA 90054 100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
021			ALIQ	E2;
027			ALIQ	SW,S2SE;
028			ALIQ	S2NW,E2NE,N2SE,SESE;
029			ALIQ	N2NE,SENE;
033			ALIQ	E2E2;
034			ALIQ	E2NE;
035			ALIQ	SWNW,W2SW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0020733	282105	AUTHORIZED	304	AUTH AMENDED/MODIFIED	09/26/1985	Total Acres = 726.18
NV DEPT OF TRANS			1263 S STEWART ST		CARSON CITY	NV 89712 100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	W2NW,SW;
029			ALIQ	E2NE;
033			ALIQ	W2NE,SENE,NENW,E2SE,NWSE;
034			ALIQ	SWSW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0020736	285003	AUTHORIZED	037	POST AUTH APLN WITHDR/	07/23/2002	Total Acres = 884.036
NV POWER CO			PO BOX 98910		LAS VEGAS	NV 89151 100.00000 HOLDER/BILLEE

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
021			ALIQ	E2E2;
028			ALIQ	E2E2;
033			ALIQ	E2E2;
034			ALIQ	SWSW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0024550	285003	AUTHORIZED	304	AUTH AMENDED/MODIFIED	08/14/1958	
WAPA			BOX 6457		PHOENIX	AZ 85005

Total Acres = 1054.637

100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
022			ALIQ	SWNE,E2NW,W2SE,SESE;
026			ALIQ	E2NE,NESE;
027			ALIQ	W2SW;
035			ALIQ	E2W2,NWNW,SWSE;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 000869	285002	AUTHORIZED	304	AUTH AMENDED/MODIFIED	08/07/1974	/A/
SOUTH CAL EDISON CO			1851 W VALENCIA #G		FULLERTON	CA 92633

Total Acres = 469.003

100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
021			ALIQ	N2S2;
022			ALIQ	N2SW,SESW,NWSE,S2SE;
023			ALIQ	S2S2;
024			ALIQ	S2S2;
025			ALIQ	NENE;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 007841	288100	AUTHORIZED	304	AUTH AMENDED/MODIFIED	12/16/1988	/B/
SOUTHWEST GAS CORP			PO BOX 98510		LAS VEGAS	NV 89193

Total Acres = 359.29

100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	SWNW,NWSW,S2SW;
029			ALIQ	E2NE;
033			ALIQ	SWNE,E2NW,N2SE,SESE;

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<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 052050	286203	AUTHORIZED	037	POST AUTH APLN WITHDR/	09/18/2000	/C/D/E/
AT&T R/W RM PA165		1200 PEACHTREE ST NE		ATLANTA	GA 30309	Total Acres = 61.134 100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	W2NW,SW;
029			ALIQ	E2NE;
033			ALIQ	E2,NENW;
034			ALIQ	SWSW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 052985	286203	AUTHORIZED	304	AUTH AMENDED/MODIFIED	07/25/2002	503-.25;
CENTRAL TELEPHONE CO		330 S VALLEY VIEW BLVD		LAS VEGAS	NV 89152	Total Acres = 78.194 100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	W2NW,SW;
029			ALIQ	E2NE;
033			ALIQ	E2,NENW;
034			ALIQ	SWSW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 054045	288100	AUTHORIZED	304	AUTH AMENDED/MODIFIED	01/16/1992	/A/
SOUTHWEST GAS CORP		PO BOX 98510		LAS VEGAS	NV 89193	Total Acres = 28.48 100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	SWNW,NWSW,S2SW;
029			ALIQ	E2NE;
033			ALIQ	E2NW,SWNE,N2SE,SESE;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 061851	285003	AUTHORIZED	307	ROW GRANTED-ISSUED	02/06/1998	
IXC CARRIER GROUP INC		1122 S CAPITAL OF TEXAS HWY		AUSTIN	TX 787466426	Total Acres = 78.497 100.00000 HOLDER/BILLEE

UNITED STATES DEPARTMENT OF INTERIOR
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 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	W2NW,SW;
029			ALIQ	E2NE;
033			ALIQ	E2,NENW;
034			ALIQ	SWSW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 076881	231145	AUTHORIZED	868	EFFECTIVE DATE	11/06/2002	

Total Acres = 325271.5

BLM 4701 N TORREY PINES DR LAS VEGAS NV 891302301

100.00000 HOLDING AGENCY

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
021			ALIQ	S2S2;
021			FF	ALL-S OF ROW N689 CTRLN;
022			ALIQ	S2S2S2;
022			FF	ALL-S OF ROW N689 CTRLN;
023			FF	ALL-S OF ROW N689 CTRLN;
024			FF	ALL-S OF ROW N689 CTRLN;
025			ALIQ	W2NE,SENE,W2,SE;
025			FF	ALL-S OF ROW N689 CTRLN;
025			RSDL	S2N2NENE;
026			ALL	ENTIRE SECTION
027			ALL	ENTIRE SECTION
028			ALL	ENTIRE SECTION
029			ALL	ENTIRE SECTION
030			ALL	ENTIRE SECTION
031			ALL	ENTIRE SECTION
032			ALL	ENTIRE SECTION
033			ALL	ENTIRE SECTION
034			ALL	ENTIRE SECTION
035			ALL	ENTIRE SECTION
036			ALL	ENTIRE SECTION

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 0015814	288100	AUTHORIZED	304	AUTH AMENDED/MODIFIED	07/25/2002	503-1320';

Total Acres = 317.051

SOUTHWEST GAS CORP PO BOX 98510 LAS VEGAS NV 89193

100.00000 HOLDER/BILLEE

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 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	SWNW,NWSW,SESW;
029			ALIQ	E2NE;
033			ALIQ	SWNE,NENW,N2SE,SESE;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 0046127	285003	AUTHORIZED	307	ROW GRANTED-ISSUED	09/21/1959	
WAPA			BOX 6457		PHOENIX	AZ 85005

Total Acres = 511.043

100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
022			ALIQ	W2NE,E2NW,W2SE,SESE;
026			ALIQ	W2SW;
027			ALIQ	E2NE,NESE;
035			ALIQ	N2NW,SENW,E2SW,SWSE;

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

Admin State: NV

Geo State: NV

Mer Twp Rng: 21 0270S 0630E

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0018307	285130	AUTHORIZED	307	ROW GRANTED-ISSUED	12/01/1934	Total Acres = 3598.69
SO CA METRO WATER DIST		BOX 54153		LOS ANGELES	CA 90054	100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
002			ALIQ	SWNW,W2SW;
002			LOTS	8;
003			ALIQ	SWNW,W2SW;
003			LOTS	8;
004			ALIQ	SENE,E2SE;
004			LOTS	5;
009			ALIQ	E2NE;
010			ALIQ	W2W2;
011			ALIQ	W2;
014			ALIQ	W2;
015			ALIQ	W2W2;
022			ALIQ	W2W2;
023			ALIQ	E2W2;
026			ALIQ	E2W2;
027			ALIQ	W2NW,SW;
034			ALIQ	W2;
035			ALIQ	E2W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0020733	282105	AUTHORIZED	304	AUTH AMENDED/MODIFIED	09/26/1985	Total Acres = 726.18
NV DEPT OF TRANS		1263 S STEWART ST		CARSON CITY	NV 89712	100.00000 HOLDER

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
003			ALIQ	S2NW,SWNE,E2SW,W2SE,SESE;
003			LOTS	6-8;
004			LOTS	5;
010			ALIQ	NWNE,S2NE,E2SE;
011			ALIQ	W2W2;
014			ALIQ	W2W2;
023			ALIQ	W2;
026			ALIQ	NW,E2SW;
035			ALIQ	E2W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0020736	285003	AUTHORIZED	037	POST AUTH APLN WITHDR/	07/23/2002	Total Acres = 884.036
NV POWER CO			PO BOX 98910		LAS VEGAS	NV 89151 100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
003			ALIQ	SWNW,W2SW;
003			LOTS	8;
010			ALIQ	W2W2;
015			ALIQ	W2W2;
022			ALIQ	W2W2;
027			ALIQ	W2NW,NWSW,SESW;
034			ALIQ	E2W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0024550	285003	AUTHORIZED	304	AUTH AMENDED/MODIFIED	08/14/1958	Total Acres = 1054.637
WAPA			BOX 6457		PHOENIX	AZ 85005 100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
001			ALIQ	SWSW;
002			ALIQ	S2NE,E2SE;
002			LOTS	6;
011			ALIQ	NENE;
012			ALIQ	W2NW,N2SW,SESW;
013			ALIQ	W2E2,NENW,SESE;
024			ALIQ	E2NE;

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

<u>NVN 003827</u>	<u>285002</u>	<u>AUTHORIZED</u>	<u>304</u>	<u>AUTH AMENDED/MODIFIED</u>	<u>10/20/1975</u>	<u>/B/</u>	Total Acres = 969.7
NV POWER CO			PO BOX 98910		LAS VEGAS	NV 89151	21.14000 HOLDER
SALT RIVER PROJECT			BOX 1980		LAS VEGAS	NV 85001	15.10000 HOLDER
SOUTH CAL EDISON CO			1851 W VALENCIA #G		FULLERTON	CA 92633	33.56000 HOLDER/BILLEE
LA DEPT OF WATER & POWER			PO BOX 51111 RM 424		LOS ANGELES	CA 90051	30.20000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
006			ALIQ	SESW;
006			LOTS	12-14;
007			ALIQ	SWNE,E2NW,W2SE,SESE;
017			ALIQ	SWSW;
018			ALIQ	E2NE,NWNE;
020			ALIQ	E2NW,NWNW,NESW,W2SE;
028			ALIQ	W2SW;
029			ALIQ	E2NE,NWNE,NESE;
033			ALIQ	E2NW,NWNW,NESW,NWSE;
033			LOTS	3;

<u>NVN 007841</u>	<u>288100</u>	<u>AUTHORIZED</u>	<u>304</u>	<u>AUTH AMENDED/MODIFIED</u>	<u>12/16/1988</u>	<u>/B/</u>	Total Acres = 359.29
SOUTHWEST GAS CORP			PO BOX 98510		LAS VEGAS	NV 89193	100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
003			ALIQ	SWNW,NWSW,S2SW;
003			LOTS	8;
004			LOTS	5;
010			ALIQ	E2W2;
015			ALIQ	E2W2,SWSE;
022			ALIQ	W2E2;
027			ALIQ	W2E2;
034			ALIQ	W2NE,SE;

<u>NVN 052050</u>	<u>286203</u>	<u>AUTHORIZED</u>	<u>037</u>	<u>POST AUTH APLN WITHDR/</u>	<u>09/18/2000</u>	<u>/C/D/E/</u>	Total Acres = 61.134
AT&T R/W RM PA165			1200 PEACHTREE ST NE		ATLANTA	GA 30309	100.00000 HOLDER/BILLEE

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
003			ALIQ	S2NW,E2SW,W2SE;
003			LOTS	8;
004			LOTS	5;
010			ALIQ	NE,E2SE;
011			ALIQ	W2SW;
014			ALIQ	W2W2;
023			ALIQ	W2;
026			ALIQ	E2W2;
035			ALIQ	E2W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 052985	286203	AUTHORIZED	304	AUTH AMENDED/MODIFIED	07/25/2002	503-.25;
CENTRAL TELEPHONE CO		330 S VALLEY VIEW BLVD		LAS VEGAS		NV 89152

Total Acres = 78.194
 100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
003		01	LOTS	8;
003		02	ALIQ	S2NW,E2SW,W2SE;
004			LOTS	5;
010			ALIQ	NE,E2SE;
011			ALIQ	W2SW;
014			ALIQ	W2W2;
023			ALIQ	W2;
026			ALIQ	E2W2;
035			ALIQ	E2W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 054045	288100	AUTHORIZED	304	AUTH AMENDED/MODIFIED	01/16/1992	/A/
SOUTHWEST GAS CORP		PO BOX 98510		LAS VEGAS		NV 89193

Total Acres = 28.48
 100.00000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
003		01	LOTS	8;
003		02	ALIQ	SWNW;
004			LOTS	5;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 061851	285003	AUTHORIZED	307	ROW GRANTED-ISSUED	02/06/1998	

Total Acres = 78.497

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 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
003			ALIQ	S2NW,E2SW,SWSE;
003			LOTS	8;
004			LOTS	5;
010			ALIQ	W2NE,SENE,E2SE;
011			ALIQ	SWSW;
014			ALIQ	W2W2;
023			ALIQ	W2W2;
026			ALIQ	E2W2,NWNW;
035			ALIQ	E2W2,SWSW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 0046127	285003	AUTHORIZED	307	ROW GRANTED-ISSUED	09/21/1959	Total Acres = 511.043
WAPA			BOX 6457		PHOENIX	AZ 85005 100.0000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
002			ALIQ	S2NE,E2SE;
002			LOTS	6;
011			ALIQ	NENE;
012			ALIQ	W2NW,N2SW,SESW;
013			ALIQ	W2NE,E2NW,W2SE,SESE;
024			ALIQ	E2NE;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 0060005	288100	AUTHORIZED	304	AUTH AMENDED/MODIFIED	06/01/1994	Total Acres = 83.128
SOUTHWEST GAS CORP			PO BOX 98510		LAS VEGAS	NV 89193 100.0000 HOLDER/BILLEE

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
003			ALIQ	SWNW,NWSW,E2SW;
010			ALIQ	E2W2;
015			ALIQ	E2W2,SWSE;
022			ALIQ	W2E2;
027			ALIQ	W2E2;
034			ALIQ	W2NE,SENE,E2SE,NWSE;

**UNITED STATES DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT
GEOGRAPHIC CROSS REFERENCE
Sorted by Serial Number**

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 003827	285002	AUTHORIZED	304	AUTH AMENDED/MODIFIED	10/20/1975 /B/	Total Acres = 969.7
	NV POWER CO			PO BOX 98910	LAS VEGAS	NV 89151 21.14000 HOLDER
	SOUTH CAL EDISON CO			1851 W VALENCIA #G	FULLERTON	CA 92633 33.56000 HOLDER/BILLEE
	SALT RIVER PROJECT			BOX 1980	LAS VEGAS	NV 85001 15.10000 HOLDER
	LA DEPT OF WATER & POWER			PO BOX 51111 RM 424	LOS ANGELES	CA 90051 30.20000 HOLDER

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	003			ALIQ	SWSW;
21	0280S	0630E	004			ALIQ	SENE,NESE;
21	0280S	0630E	004			LOTS	1,2;
21	0280S	0630E	010			ALIQ	W2W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 007841	288100	AUTHORIZED	304	AUTH AMENDED/MODIFIED	12/16/1988 /B/	Total Acres = 359.29
	SOUTHWEST GAS CORP			PO BOX 98510	LAS VEGAS	NV 89193 100.00000 HOLDER/BILLEE

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	003			ALIQ	SENE,E2SE;
21	0280S	0630E	003			LOTS	1;
21	0280S	0630E	010			ALIQ	NENE,W2E2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 052050	286203	AUTHORIZED	037	POST AUTH APLN WITHDRAWN	09/18/2000 /C/D/E/	Total Acres = 61.134
	AT&T R/W RM PA165			1200 PEACHTREE ST NE	ATLANTA	GA 30309 100.00000 HOLDER/BILLEE

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	002			ALIQ	S2NW,SW;
21	0280S	0630E	002			LOTS	3;
21	0280S	0630E	011			ALIQ	W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 052985	286203	AUTHORIZED	304	AUTH AMENDED/MODIFIED	07/25/2002 503-.25;	Total Acres = 78.194
	CENTRAL TELEPHONE CO			330 S VALLEY VIEW BLVD	LAS VEGAS	NV 89152 100.00000 HOLDER/BILLEE

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Serial Number

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	002		01	LOTS	3;
21	0280S	0630E	002		02	ALIQ	S2NW,SW;
21	0280S	0630E	011			ALIQ	W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 061851	285003	AUTHORIZED	307	ROW GRANTED-ISSUED	02/06/1998	Total Acres = 78.497
IXC CARRIER GROUP INC			1122 S CAPITAL OF TEXAS HWY	AUSTIN	TX 787466426	100.00000 HOLDER/BILLEE

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	002		01	ALIQ	S2NW,SW;
21	0280S	0630E	002		02	LOTS	3;
21	0280S	0630E	011			ALIQ	W2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 062110	286203	AUTHORIZED	307	ROW GRANTED-ISSUED	06/04/1999	Total Acres = 1100.29
IXC COMM INC			1122 S CAPITOL OF TEXAS HWY	AUSTIN	TX 78746	100.00000 APPLICANT

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	003			ALL	ENTIRE SECTION
21	0280S	0630E	004			ALL	ENTIRE SECTION
21	0280S	0630E	010			ALL	ENTIRE SECTION

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 076881	231145	AUTHORIZED	868	EFFECTIVE DATE	11/06/2002	Total Acres = 325271.5
BLM			4701 N TORREY PINES DR	LAS VEGAS	NV 891302301	100.00000 HOLDING AGENCY

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Serial Number

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	001			ALL	ENTIRE SECTION
21	0280S	0630E	002			ALL	ENTIRE SECTION
21	0280S	0630E	003			ALL	ENTIRE SECTION
21	0280S	0630E	004			ALL	ENTIRE SECTION
21	0280S	0630E	009			ALIQ	N2,SW,N2SE,SESE;
21	0280S	0630E	009			RSDL	N2SWSE,E2SWSWSE,SESWSE;
21	0280S	0630E	010			ALL	ENTIRE SECTION
21	0280S	0630E	011			ALL	ENTIRE SECTION
21	0280S	0630E	012			ALIQ	N2;
21	0280S	0630E	012			LOTS	1-8;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 0015814	288100	AUTHORIZED	304	AUTH AMENDED/MODIFIED	07/25/2002	503-1320; Total Acres = 317.051
SOUTHWEST GAS CORP		PO BOX 98510		LAS VEGAS	NV 89193	100.00000 HOLDER/BILLEE

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	002			ALIQ	SWNW,NWSW;
21	0280S	0630E	002			LOTS	4;
21	0280S	0630E	003			ALIQ	E2SE;
21	0280S	0630E	010			ALIQ	NENE,W2NE,SESW,NWSE;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 0060005	288100	AUTHORIZED	304	AUTH AMENDED/MODIFIED	06/01/1994	/C/ Total Acres = 83.128
SOUTHWEST GAS CORP		PO BOX 98510		LAS VEGAS	NV 89193	100.00000 HOLDER/BILLEE

<u>Mer</u>	<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
21	0280S	0630E	002			ALIQ	W2SW,SESW;
21	0280S	0630E	003			ALIQ	SENE,NESE;
21	0280S	0630E	003			LOTS	1;
21	0280S	0630E	011			ALIQ	E2W2;

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

Admin State: NV

Geo State: NV

Mer Twp Rng: 21 0260S 0640E

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 000869	285002	AUTHORIZED	304	AUTH AMENDED/MODIFIED	08/07/1974	/A/
SOUTH CAL EDISON CO		1851 W VALENCIA #G		FULLERTON	CA 92633	100.00000 HOLDER/BILLEE

Total Acres = 469.003

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	N2;
029			ALIQ	N2N2;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 046068	286001	AUTHORIZED	304	AUTH AMENDED/MODIFIED	10/28/1988	/B/
UNIVERSITY OF NV RENO		SEISMOLOGICAL LAB		RENO	NV 895570141	100.00000 HOLDER

Total Acres = 1.16

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALIQ	SW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 076658	231106	AUTHORIZED	868	EFFECTIVE DATE	11/06/2002	
BLM		4701 N TORREY PINES DR		LAS VEGAS	NV 891302301	100.00000 HOLDING AGENCY

Total Acres = 32745

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
028			ALL	ENTIRE SECTION
029			ALL	ENTIRE SECTION
032			ALL	ENTIRE SECTION

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 076881	231145	AUTHORIZED	868	EFFECTIVE DATE	11/06/2002	
BLM		4701 N TORREY PINES DR		LAS VEGAS	NV 891302301	100.00000 HOLDING AGENCY

Total Acres = 325271.5

UNITED STATES DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT
GEOGRAPHIC CROSS REFERENCE
Sorted by Meridian Township Range

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
029			ALIQ	S2N2,S2;
029			FF	ALL-S OF ROW N869 CTRLN;
031			ALL	ENTIRE SECTION
032			ALL	ENTIRE SECTION

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

Admin State: NV

Geo State: NV

Mer Twp Rng: 21 0270S 0640E

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0024550	285003	AUTHORIZED	304	AUTH AMENDED/MODIFIED	08/14/1958	Total Acres = 1054.637
WAPA			BOX 6457		PHOENIX	AZ 85005 100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
019			ALIQ	SESW;
019			LOTS	2,3,4;
030			ALIQ	E2NW,NESW,W2SE;
030			LOTS	1;
032			ALIQ	SWSW;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 076881	231145	AUTHORIZED	868	EFFECTIVE DATE	11/06/2002	Total Acres = 325271.5
BLM			4701 N TORREY PINES DR		LAS VEGAS	NV 891302301 100.00000 HOLDING AGENCY

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
005			ALL	ENTIRE SECTION
006			ALL	ENTIRE SECTION
007			ALL	ENTIRE SECTION
008			ALL	ENTIRE SECTION
017			ALL	ENTIRE SECTION
018			ALL	ENTIRE SECTION
019			ALL	ENTIRE SECTION
020			ALL	ENTIRE SECTION
021			ALL	ENTIRE SECTION
029			FF	ALL-EXCL MS3541 PAT;
030			ALL	ENTIRE SECTION
032			FF	ALL-EXCL MS3541 PAT;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
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UNITED STATES DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT
GEOGRAPHIC CROSS REFERENCE
Sorted by Meridian Township Range

NVN 0046127 285003 AUTHORIZED 307 ROW GRANTED-ISSUED 09/21/1959 Total Acres = 511.043
WAPA BOX 6457 PHOENIX AZ 85005 100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
019			ALIQ	SESW;
019			LOTS	2,3,4;
020			ALIQ	E2NW,W2SE;
032			ALIQ	W2SW;

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

Admin State: NV

Geo State: NV

Mer Twp Rng: 21 0280S 0640E

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVCC 0024550	285003	AUTHORIZED	304	AUTH AMENDED/MODIFIED	08/14/1958	Total Acres = 1054.637
WAPA			BOX 6457		PHOENIX	AZ 85005 100.00000 HOLDER
<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>		
005			ALIQ	S2NW,E2SW,SWSE;		
005			LOTS	4;		

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 021065	285003	AUTHORIZED	307	ROW GRANTED-ISSUED	02/19/1980	Total Acres = 13.55
REYNOLDS MARY			11664 ARROYO AVE		SANTA ANA	CA 92705 100.00000 HOLDER/BILLEE
<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>		
007			ALIQ	SESE;		

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 046708	285003	AUTHORIZED	307	ROW GRANTED-ISSUED	03/02/1988	Total Acres = 0.54
TROUTNER A L			707 TROUTNER WY		BOISE	ID 83704 100.00000 HOLDER/BILLEE
<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>		
007			ALIQ	NESW,SE;		

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 076881	231145	AUTHORIZED	868	EFFECTIVE DATE	11/06/2002	Total Acres = 325271.5
BLM			4701 N TORREY PINES DR		LAS VEGAS	NV 891302301 100.00000 HOLDING AGENCY

UNITED STATES DEPARTMENT OF INTERIOR
 BUREAU OF LAND MANAGEMENT
 GEOGRAPHIC CROSS REFERENCE
 Sorted by Meridian Township Range

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
005			ALL	ENTIRE SECTION
006			ALL	ENTIRE SECTION
007			ALIQ	NE,NENW,W2SE;
007			LOTS	1;
007		01	FF	ALL-EXCL MS&ME PAT;
007		02	FF	PART L 2,3,4;

<u>Serial Number</u>	<u>Casetype</u>	<u>Disposition</u>	<u>Actn Code</u>	<u>Actn Txt</u>	<u>Date</u>	<u>Action Remarks</u>
NVN 0046127	285003	AUTHORIZED	307	ROW GRANTED-ISSUED	09/21/1959	
WAPA			BOX 6457		PHOENIX	AZ 85005

Total Acres = 511.043

100.00000 HOLDER

<u>Section</u>	<u>Sur Nr</u>	<u>Sur Suffix</u>	<u>Sur Type</u>	<u>Aliquot Part</u>
005			ALIQ	S2NW,NESW,W2SE;
005			LOTS	4;

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PUBLIC LAW 107-282—NOV. 6, 2002

CLARK COUNTY CONSERVATION OF PUBLIC
LAND AND NATURAL RESOURCES ACT OF
2002

Public Law 107-282
107th Congress

An Act

Nov. 6, 2002
[H.R. 5200]

Clark County
Conservation of
Public Land and
Natural
Resources Act of
2002.
16 USC
460qqq note.

To establish wilderness areas, promote conservation, improve public land, and provide for high quality development in Clark County, Nevada, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the "Clark County Conservation of Public Land and Natural Resources Act of 2002".

SEC. 2. TABLE OF CONTENTS.

The table of contents of this Act is as follows:

- Sec. 1. Short title.
- Sec. 2. Table of contents.
- Sec. 3. Definitions.
- Sec. 4. Authorization of appropriations.

TITLE I—RED ROCK CANYON NATIONAL CONSERVATION AREA LAND EXCHANGE AND BOUNDARY ADJUSTMENT

- Sec. 101. Short title.
- Sec. 102. Definitions.
- Sec. 103. Findings and purposes.
- Sec. 104. Red Rock Canyon land exchange.
- Sec. 105. Status and management of lands.
- Sec. 106. General provisions.

TITLE II—WILDERNESS AREAS

- Sec. 201. Findings.
- Sec. 202. Additions to National Wilderness Preservation System.
- Sec. 203. Administration.
- Sec. 204. Adjacent management.
- Sec. 205. Military overflights.
- Sec. 206. Native American cultural and religious uses.
- Sec. 207. Release of wilderness study areas.
- Sec. 208. Wildlife management.
- Sec. 209. Wildfire management.
- Sec. 210. Climatological data collection.
- Sec. 211. National Park Service lands.

TITLE III—TRANSFERS OF ADMINISTRATIVE JURISDICTION

- Sec. 301. Transfer of administrative jurisdiction to the United States Fish and Wildlife Service.
- Sec. 302. Transfer of administrative jurisdiction to National Park Service.

TITLE IV—AMENDMENTS TO THE SOUTHERN NEVADA PUBLIC LAND MANAGEMENT ACT

- Sec. 401. Disposal and exchange.

TITLE V—IVANPAH CORRIDOR

- Sec. 501. Interstate Route 15 south corridor.
- Sec. 502. Area of Critical Environmental Concern segregation.

TITLE VI—SLOAN CANYON NATIONAL CONSERVATION AREA

- Sec. 601. Short title.
- Sec. 602. Purpose.
- Sec. 603. Definitions.
- Sec. 604. Establishment.
- Sec. 605. Management.
- Sec. 606. Sale of Federal parcel.
- Sec. 607. Right-of-way.

TITLE VII—PUBLIC INTEREST CONVEYANCES

- Sec. 701. Definition of map.
- Sec. 702. Conveyance to the University of Nevada at Las Vegas Research Foundation.
- Sec. 703. Conveyance to the Las Vegas Metropolitan Police Department.
- Sec. 704. Conveyance to the City of Henderson for the Nevada State College at Henderson.
- Sec. 705. Conveyance to the City of Las Vegas, Nevada.
- Sec. 706. Sale of Federal parcel.

TITLE VIII—HUMBOLDT PROJECT CONVEYANCE

- Sec. 801. Short title.
- Sec. 802. Definitions.
- Sec. 803. Authority to convey title.
- Sec. 804. Payment.
- Sec. 805. Compliance with other laws.
- Sec. 806. Revocation of withdrawals.
- Sec. 807. Liability.
- Sec. 808. National Environmental Policy Act.
- Sec. 809. Future benefits.

TITLE IX—MISCELLANEOUS PROVISIONS

- Sec. 901. Technical amendments to the Mesquite Lands Act 2001.

SEC. 3. DEFINITIONS.

In this Act:

- (1) AGREEMENT.—The term “Agreement” means the Agreement entitled “Interim Cooperative Management Agreement Between the United States of the Interior Bureau of Land Management and Clark County”, dated November 4, 1992.
- (2) COUNTY.—The term “County” means Clark County, Nevada.
- (3) SECRETARY.—The term “Secretary” means—
 - (A) the Secretary of Agriculture with respect to land in the National Forest System; or
 - (B) the Secretary of the Interior, with respect to other Federal land.
- (4) STATE.—The term “State” means the State of Nevada.

16 USC
460qqq-1
note.

SEC. 4. AUTHORIZATION OF APPROPRIATIONS.

There is authorized such sums as may be necessary to carry out this Act.

TITLE I—RED ROCK CANYON NATIONAL CONSERVATION AREA LAND EXCHANGE AND BOUNDARY ADJUSTMENT

Red Rock Canyon National Conservation Area Protection and Enhancement Act of 2002.

SEC. 101. SHORT TITLE.

This title may be cited as the “Red Rock Canyon National Conservation Area Protection and Enhancement Act of 2002”.

16 USC
460ccc-4
note.

16 USC
460ccc-4
note.

SEC. 102. DEFINITIONS.

As used in this title:

(1) CORPORATION.—The term “Corporation” means the Howard Hughes Corporation, an affiliate of the Rouse Company, with its principal place of business at 10000 West Charleston Boulevard, Las Vegas, Nevada.

(2) RED ROCK CANYON.—The term “Red Rock Canyon” means the Red Rock Canyon National Conservation Area, consisting of approximately 195,780 acres of public lands in Clark County, Nevada, specially designated for protection in the Red Rock Canyon National Conservation Area Establishment Act of 1990 (16 U.S.C. 460ccc et seq.), as depicted on the Red Rock Canyon Map.

(3) RED ROCK CANYON MAP.—The term “Red Rock Canyon Map” means the map entitled “Southern Nevada Public Land Management Act”, dated October 1, 2002.

16 USC
460ccc-4
note.

SEC. 103. FINDINGS AND PURPOSES.

(a) FINDINGS.—The Congress makes the following findings:

(1) Red Rock Canyon is a natural resource of major significance to the people of Nevada and the United States. It must be protected in its natural state for the enjoyment of future generations of Nevadans and Americans, and enhanced wherever possible.

(2) In 1998, the Congress enacted the Southern Nevada Public Lands Management Act of 1998 (Public Law 105-263), which provided among other things for the protection and enhancement of Red Rock Canyon.

(3) The Corporation owns much of the private land on Red Rock Canyon’s eastern boundary, and is engaged in developing a large-scale master-planned community.

(4) Included in the Corporation’s land holdings are 1,071 acres of high-ground lands at the eastern edge of Red Rock Canyon. These lands were intended to be included in Red Rock, but to date have not been acquired by the United States. The protection of this high-ground acreage would preserve an important element of the western Las Vegas Valley viewshed.

(5) The Corporation has volunteered to forgo development of the high-ground lands, and proposes that the United States acquire title to the lands so that they can be preserved in perpetuity to protect and expand Red Rock Canyon.

(b) PURPOSES.—The purposes of this title are:

(1) To accomplish an exchange of lands between the United States and the Corporation that would transfer certain high-ground lands to the United States in exchange for the transfer of other lands of approximately equal value to the Corporation.

(2) To protect Red Rock Canyon and to expand its boundaries as contemplated by the Bureau of Land Management, as depicted on the Red Rock Canyon Map.

(3) To further fulfill the purposes of the Southern Nevada Public Lands Management Act of 1998 and the Red Rock Canyon National Conservation Area Establishment Act of 1990.

16 USC
460ccc-4
note.
Deadline.

SEC. 104. RED ROCK CANYON LAND EXCHANGE.

(a) ACQUISITION REQUIREMENT.—If the Corporation offers to convey to the United States all right, title, and interest in and to the approximately 1,082 acres of non-Federal land owned by

the Corporation and depicted on the Red Rock Canyon Map as "Offered Lands proposed addition to the Red Rock Canyon NCA", the Secretary shall accept such offer on behalf of the United States, and not later than 90 days after the date of the offer, except as otherwise provided in this title, shall make the following conveyances:

(1) To the Corporation, the approximately 998 acres of Federal lands depicted on the Red Rock Canyon Map as "Public land selected for exchange".

(2) To Clark County, Nevada, the approximately 1,221 acres of Federal lands depicted on the Red Rock Canyon Map as "Proposed BLM transfer for county park".

(b) **SIMULTANEOUS CONVEYANCES.**—Title to the private property and the Federal property to be conveyed pursuant to this section shall be conveyed at the same time.

(c) **MAP.**—The Secretary shall keep the Red Rock Canyon Map on file and available for public inspection in the Las Vegas District Office of the Bureau of Land Management in Nevada, and the State Office of the Bureau of Land Management, Reno, Nevada.

(d) **CONDITIONS.**—

(1) **HAZARDOUS MATERIALS.**—As a condition of the conveyance under subsection (a)(1), the Secretary shall require that the Corporation be responsible for removal of and remediation related to any hazardous materials that are present on the property conveyed to the United States under subsection (a).

(2) **SURVEY.**—As a condition of the conveyance under subsection (a)(1), the Secretary shall require that not later than 90 days after the date of the offer referred to in subsection (a), the Corporation shall provide a metes and bounds survey, that is acceptable to the Corporation, Clark County, and the Secretary, of the common boundary between the parcels of land to be conveyed under subsection (a).

Deadline.

(3) **LANDS CONVEYED TO CLARK COUNTY.**—As a condition of the conveyance under subsection (a)(2), the Secretary shall require that—

(A) the lands transferred to Clark County by the United States must be held in perpetuity by the County for use only as a public park or as part of a public regional trail system; and

(B) if the County attempts to transfer the lands or to undertake a use on the lands that is inconsistent with their preservation and use as described in subparagraph (A), such lands shall, at the discretion of the Secretary, revert to the United States.

(e) **VALUATION.**—

(1) **EQUAL VALUE EXCHANGE.**—The values of the Federal parcel and the non-Federal parcel, as determined under paragraph (2)—

(A) shall be equal; or

(B) if the values are not equal, shall be equalized in accordance with paragraph (3).

(2) **APPRAISAL.**—The values of the Federal parcel and the non-Federal parcel shall be determined by an appraisal, to be approved by the Secretary, that complies with the Uniform Standards for Federal Land Acquisitions.

(3) **EQUALIZATION.**—

(A) **IN GENERAL.**—If the value of the non-Federal parcel is less than the value of the Federal parcel—

(i) the Corporation shall make a cash equalization payment to the Secretary; or

(ii) the Secretary shall, as determined to be appropriate by the Secretary and the Corporation, reduce the acreage of the Federal parcel.

(B) **DISPOSITION OF PROCEEDS.**—The Secretary shall deposit any cash equalization payments received under subparagraph (A)(i) in accordance with section 4(e)(1)(C) of the Southern Nevada Public Land Management Act of 1998 (112 Stat. 2345).

16 USC
460ccc-4
note.
Effective date.

SEC. 105. STATUS AND MANAGEMENT OF LANDS.

(a) **INCLUSION AND MANAGEMENT OF LANDS.**—Upon the date of the enactment of this Act, the Secretary shall administer the lands depicted on the Red Rock Map as “Public Lands-proposed addition to the Red Rock Canyon NCA”, exclusive of those lands used for the Corps of Engineers R-4 Detention Basin, as part of Red Rock and in accordance with the Red Rock Canyon National Conservation Area Establishment Act of 1990 (16 U.S.C. 460ccc et seq.) and all other applicable laws.

(b) **INCLUSION OF ACQUIRED LANDS.**—Upon acquisition by the United States of lands under this Act, the Secretary shall—

(1) administer the lands as part of Red Rock and in accordance with the Red Rock Canyon National Conservation Area Establishment Act of 1990 (16 U.S.C. 460ccc et seq.), the Southern Nevada Public Lands Management Act of 1998 (Public Law 105-263), and all other applicable laws; and

(2) create new maps showing the boundaries of Red Rock as modified or pursuant to this Act, and make such maps available for review at the Las Vegas District Office of the Bureau of Land Management and the State Office of the Bureau of Land Management, Reno, Nevada.

(c) **CONFORMING AMENDMENT.**—Section 3(a)(2) of the Red Rock Canyon National Conservation Area Establishment Act of 1990 (16 U.S.C. 460ccc-1(a)(2)) is amended by inserting before the period the following: “, and such additional areas as are included in the conservation area pursuant to the Red Rock Canyon National Conservation Area Protection and Enhancement Act of 2002”.

16 USC
460ccc-4
note.
Deadline.

SEC. 106. GENERAL PROVISIONS.

(a) **REVIEW OF APPRAISAL.**—Not later than 90 days after the date of the enactment of this Act, the Secretary shall complete a review of the appraisal entitled, “Complete Self-Contained Appraisal Red Rock Exchange, Las Vegas, Nevada”, completed on or about June 3, 2002. The difference in appraisal values shall be reimbursed to the Secretary by the Corporation in accordance with the Southern Nevada Public Lands Management Act of 1998.

(b) **VALID EXISTING RIGHTS.**—The land exchange under this Act shall be subject to valid existing rights. Each party to which property is conveyed under this Act shall succeed to the rights and obligations of the conveying party with respect to any lease, right-of-way, permit, or other valid existing right to which the property is subject.

(c) **TECHNICAL CORRECTIONS.**—Nothing in this Act prohibits the parties to the conveyances under this Act from agreeing to

the correction of technical errors or omissions in the Red Rock Map.

(d) **WITHDRAWAL OF AFFECTED LANDS.**—To the extent not already accomplished under law or administrative action, the Secretary shall withdraw from operation of the public land and mining laws, subject to valid existing rights—

(1) those Federal lands acquired by the United States under this Act; and

(2) those Federal lands already owned by the United States on the date of enactment of this Act but included within the Red Rock National Conservation Area boundaries by this Act.

TITLE II—WILDERNESS AREAS

SEC. 201. FINDINGS.

The Congress finds that—

(1) public land in the County contains unique and spectacular natural resources, including—

(A) priceless habitat for numerous species of plants and wildlife; and

(B) thousands of acres of pristine land that remain in a natural state;

(2) continued preservation of those areas would benefit the County and all of the United States by—

(A) ensuring the conservation of ecologically diverse habitat;

(B) conserving primitive recreational resources; and

(C) protecting air and water quality.

SEC. 202. ADDITIONS TO NATIONAL WILDERNESS PRESERVATION SYSTEM.

(a) **ADDITIONS.**—The following land in the State is designated as wilderness and as components of the National Wilderness Preservation System:

16 USC 1132
note.

(1) **ARROW CANYON WILDERNESS.**—Certain Federal land managed by the Bureau of Land Management, comprising approximately 27,530 acres, as generally depicted on the map entitled “Arrow Canyon”, dated October 1, 2002, which shall be known as the “Arrow Canyon Wilderness”.

(2) **BLACK CANYON WILDERNESS.**—Certain Federal land within the Lake Mead National Recreation Area and an adjacent portion of Federal land managed by the Bureau of Land Management, comprising approximately 17,220 acres, as generally depicted on the map entitled “Eldorado/Spirit Mountain”, dated October 1, 2002, which shall be known as the “Black Canyon Wilderness”.

(3) **BRIDGE CANYON WILDERNESS.**—Certain Federal land within the Lake Mead National Recreation Area, comprising approximately 7,761 acres, as generally depicted on the map entitled “Eldorado/Spirit Mountain”, dated October 1, 2002, which shall be known as the “Bridge Canyon Wilderness”.

(4) **ELDORADO WILDERNESS.**—Certain Federal land within the Lake Mead National Recreation Area and an adjacent portion of Federal land managed by the Bureau of Land Management, comprising approximately 31,950 acres, as generally depicted on the map entitled “Eldorado/Spirit Mountain”, dated

October 1, 2002, which shall be known as the “Eldorado Wilderness”.

(5) IRETEBA PEAKS WILDERNESS.—Certain Federal land within the Lake Mead National Recreation Area and an adjacent portion of Federal land managed by the Bureau of Land Management, comprising approximately 32,745 acres, as generally depicted on the map entitled “Eldorado/Spirit Mountain”, dated October 1, 2002, which shall be known as the “Ireteba Peaks Wilderness”.

(6) JIMBILNAN WILDERNESS.—Certain Federal land within the Lake Mead National Recreation Area, comprising approximately 18,879 acres, as generally depicted on the map entitled “Muddy Mountains”, dated October 1, 2002, which shall be known as the “Jimbilnan Wilderness”.

(7) JUMBO SPRINGS WILDERNESS.—Certain Federal land managed by the Bureau of Land Management, comprising approximately 4,631 acres, as generally depicted on the map entitled “Gold Butte”, dated October 1, 2002, which shall be known as the “Jumbo Springs Wilderness”.

(8) LA MADRE MOUNTAIN WILDERNESS.—Certain Federal land within the Toiyabe National Forest and an adjacent portion of Federal land managed by the Bureau of Land Management, comprising approximately 47,180 acres, as generally depicted on the map entitled “Spring Mountains”, dated October 1, 2002, which shall be known as the “La Madre Mountain Wilderness”.

(9) LIME CANYON WILDERNESS.—Certain Federal land managed by the Bureau of Land Management, comprising approximately 23,233 acres, as generally depicted on the map entitled “Gold Butte”, dated October 1, 2002, which shall be known as the “Lime Canyon Wilderness”.

(10) MT. CHARLESTON WILDERNESS ADDITIONS.—Certain Federal land within the Toiyabe National Forest and an adjacent portion of Federal land managed by the Bureau of Land Management, comprising approximately 13,598 acres, as generally depicted on the map entitled “Spring Mountains”, dated October 1, 2002, which shall be included in the Mt. Charleston Wilderness.

(11) MUDDY MOUNTAINS WILDERNESS.—Certain Federal land within the Lake Mead National Recreation Area and an adjacent portion of land managed by the Bureau of Land Management, comprising approximately 48,019 acres, as generally depicted on the map entitled “Muddy Mountains”, dated October 1, 2002, which shall be known as the “Muddy Mountains Wilderness”.

(12) NELLIS WASH WILDERNESS.—Certain Federal land within the Lake Mead National Recreation Area, comprising approximately 16,423 acres, as generally depicted on the map entitled “Eldorado/Spirit Mountain”, dated October 1, 2002, which shall be known as the “Nellis Wash Wilderness”.

(13) NORTH MCCULLOUGH WILDERNESS.—Certain Federal land managed by the Bureau of Land Management, comprising approximately 14,763 acres, as generally depicted on the map entitled “McCulloughs”, dated October 1, 2002, which shall be known as the “North McCullough Wilderness”.

(14) PINTO VALLEY WILDERNESS.—Certain Federal land within the Lake Mead National Recreation Area, comprising

approximately 39,173 acres, as generally depicted on the map entitled "Muddy Mountains", dated October 1, 2002, which shall be known as the "Pinto Valley Wilderness".

(15) RAINBOW MOUNTAIN WILDERNESS.—Certain Federal land within the Toiyabe National Forest and an adjacent portion of Federal land managed by the Bureau of Land Management, comprising approximately 24,997 acres, as generally depicted on the map entitled "Spring Mountains", dated October 1, 2002, which shall be known as the "Rainbow Mountain Wilderness".

(16) SOUTH MCCULLOUGH WILDERNESS.—Certain Federal land managed by the Bureau of Land Management, comprising approximately 44,245 acres, as generally depicted on the map entitled "McCulloughs", dated October 1, 2002, which shall be known as the "South McCullough Wilderness".

(17) SPIRIT MOUNTAIN WILDERNESS.—Certain Federal land within the Lake Mead National Recreation Area and an adjacent portion of Federal land managed by the Bureau of Land Management, comprising approximately 33,518 acres, as generally depicted on the map entitled "Eldorado/Spirit Mountain", dated October 1, 2002, which shall be known as the "Spirit Mountain Wilderness".

(18) WEE THUMP JOSHUA TREE WILDERNESS.—Certain Federal land managed by the Bureau of Land Management, comprising approximately 6,050 acres, as generally depicted on the map entitled "McCulloughs", dated October 1, 2002, which shall be known as the "Wee Thump Joshua Tree Wilderness".

(b) BOUNDARY.—

(1) LAKE OFFSET.—The boundary of any portion of a wilderness area designated by subsection (a) that is bordered by Lake Mead, Lake Mohave, or the Colorado River shall be 300 feet inland from the high water line.

(2) ROAD OFFSET.—The boundary of any portion of a wilderness area designated by subsection (a) that is bordered by a road shall be at least 100 feet from the edge of the road to allow public access.

(c) MAP AND LEGAL DESCRIPTION.—

(1) IN GENERAL.—As soon as practicable after the date of enactment of this Act, the Secretary shall file a map and legal description of each wilderness area designated by subsection (a) with the Committee on Resources of the House of Representatives and the Committee on Energy and Natural Resources of the Senate.

(2) EFFECT.—Each map and legal description shall have the same force and effect as if included in this section, except that the Secretary may correct clerical and typographical errors in the map or legal description.

(3) AVAILABILITY.—Each map and legal description shall be on file and available for public inspection in the appropriate offices of the Bureau of Land Management, National Park Service, or Forest Service, as applicable.

Public inspection.

(d) WITHDRAWAL.—Subject to valid existing rights, the wilderness areas designated in this section are withdrawn from—

(1) all forms of entry, appropriation, and disposal under the public land laws;

(2) location, entry, and patent under the mining laws; and

(3) operation of the mineral leasing, mineral materials, and geothermal leasing laws.

SEC. 203. ADMINISTRATION.

(a) **MANAGEMENT.**—Subject to valid existing rights, each area designated as wilderness by this title shall be administered by the Secretary in accordance with the Wilderness Act (16 U.S.C. 1131 et seq.), except that—

(1) any reference in that Act to the effective date shall be considered to be a reference to the date of enactment of this Act; and

(2) any reference in that Act to the Secretary of Agriculture shall be considered to be a reference to the Secretary of the Interior with respect to lands administered by the Secretary of the Interior.

(b) **LIVESTOCK.**—Within the wilderness areas designated under this title that are administered by the Bureau of Land Management, the grazing of livestock in areas in which grazing is established as of the date of enactment of this Act shall be allowed to continue, subject to such reasonable regulations, policies, and practices that the Secretary considers necessary, consistent with section 4(d)(4) of the Wilderness Act (16 U.S.C. 1133(d)(4)), including the guidelines set forth in Appendix A of House Report 101-405.

(c) **INCORPORATION OF ACQUIRED LANDS AND INTERESTS.**—Any land or interest in land within the boundaries of an area designated as wilderness by this title that is acquired by the United States after the date of enactment of this Act shall be added to and administered as part of the wilderness area within which the acquired land or interest is located.

(d) **WATER RIGHTS.**—

(1) **FINDINGS.**—Congress finds that—

(A) the lands designated as Wilderness by this Act are within the Mojave Desert, are arid in nature, and include ephemeral streams;

(B) the hydrology of the lands designated as wilderness by this Act is locally characterized by complex flow patterns and alluvial fans with impermanent channels;

(C) the subsurface hydrogeology of the region is characterized by ground water subject to local and regional flow gradients and artesian aquifers;

(D) the lands designated as wilderness by this Act are generally not suitable for use or development of new water resource facilities and there are no actual or proposed water resource facilities and no opportunities for diversion, storage, or other uses of water occurring outside such lands that would adversely affect the wilderness or other values of such lands; and

(E) because of the unique nature and hydrology of these desert lands designated as wilderness by this Act and the existence of the Clark County Multi-Species Habitat Conservation Plan it is possible to provide for proper management and protection of the wilderness, perennial springs and other values of such lands in ways different from those used in other legislation.

(2) **STATUTORY CONSTRUCTION.**—

(A) Nothing in this Act shall constitute or be construed to constitute either an express or implied reservation by

the United States of any water or water rights with respect to the lands designated as Wilderness by this Act.

(B) Nothing in this Act shall affect any water rights in the State of Nevada existing on the date of the enactment of this Act, including any water rights held by the United States.

(C) Nothing in this subsection shall be construed as establishing a precedent with regard to any future wilderness designations.

(D) Nothing in this Act shall be construed as limiting, altering, modifying, or amending any of the interstate compacts or equitable apportionment decrees that apportion water among and between the State of Nevada and other States.

(E) Nothing in this subsection shall be construed as limiting, altering, modifying, or amending the Clark County Multi-Species Habitat Conservation Plan (MSHCP) with respect to the lands designated as Wilderness by this Act including the MSHCP's specific management actions for the conservation of perennial springs.

(3) NEVADA WATER LAW.—The Secretary shall follow the procedural and substantive requirements of the law of the State of Nevada in order to obtain and hold any water rights not in existence on the date of enactment of this Act with respect to the wilderness areas designated by this Act.

(4) NEW PROJECTS.—

(A) As used in this paragraph, the term “water resource” facility means irrigation and pumping facilities, reservoirs, water conservation works, aqueducts, canals, ditches, pipelines, wells, hydropower projects, and transmission and other ancillary facilities, and other water diversion, storage, and carriage structures. The term “water resource” facility does not include wildlife guzzlers.

(B) Except as otherwise provided in this Act, on and after the date of the enactment of this Act, neither the President nor any other officer, employee, or agent of the United States shall fund, assist, authorize, or issue a license or permit for the development of any new water resource facility within the wilderness areas designated by this Act.

SEC. 204. ADJACENT MANAGEMENT.

(a) IN GENERAL.—Congress does not intend for the designation of wilderness in the State pursuant to this title to lead to the creation of protective perimeters or buffer zones around any such wilderness area.

(b) NONWILDERNESS ACTIVITIES.—The fact that nonwilderness activities or uses can be seen or heard from areas within a wilderness designated under this title shall not preclude the conduct of those activities or uses outside the boundary of the wilderness area.

SEC. 205. MILITARY OVERFLIGHTS.

Nothing in this title restricts or precludes—

(1) low-level overflights of military aircraft over the areas designated as wilderness by this title, including military overflights that can be seen or heard within the wilderness areas;

(2) flight testing and evaluation; or

(3) the designation or creation of new units of special use airspace, or the establishment of military flight training routes, over the wilderness areas.

SEC. 206. NATIVE AMERICAN CULTURAL AND RELIGIOUS USES.

Nothing in this Act shall be construed to diminish the rights of any Indian Tribe. Nothing in this Act shall be construed to diminish tribal rights regarding access to Federal lands for tribal activities, including spiritual, cultural, and traditional food-gathering activities.

SEC. 207. RELEASE OF WILDERNESS STUDY AREAS.

(a) **FINDING.**—Congress finds that, for the purposes of section 603 of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1782), the public land in the County administered by the Bureau of Land Management and the Forest Service in the following areas have been adequately studied for wilderness designation:

- (1) The Garrett Buttes Wilderness Study Area.
- (2) The Quail Springs Wilderness Study Area.
- (3) The Nellis A, B, C Wilderness Study Area.
- (4) Any portion of the wilderness study areas—
 - (A) not designated as wilderness by section 202(a);

and

(B) designated for release on—

- (i) the map entitled “Muddy Mountains” and dated October 1, 2002;
- (ii) the map entitled “Spring Mountains” and dated October 1, 2002;
- (iii) the map entitled “Arrow Canyon” and dated October 1, 2002;
- (iv) the map entitled “Gold Butte” and dated October 1, 2002;
- (v) the map entitled “McCullough Mountains” and dated October 1, 2002;
- (vi) the map entitled “El Dorado/Spirit Mountain” and dated October 1, 2002; or
- (vii) the map entitled “Southern Nevada Public Land Management Act” and dated October 1, 2002.

(b) **RELEASE.**—Except as provided in subsection (c), any public land described in subsection (a) that is not designated as wilderness by this title—

(1) is no longer subject to section 603(c) of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1782(c)); and

(2) shall be managed in accordance with—

- (A) land management plans adopted under section 202 of that Act (43 U.S.C. 1712); and
- (B) existing cooperative conservation agreements.

(c) **RIGHT-OF-WAY GRANT.**—The Secretary shall issue to the State-regulated sponsor of the Centennial Project the right-of-way for the construction and maintenance of two 500-kilovolt electrical transmission lines. The construction shall occur within a 500-foot-wide corridor that is released from the Sunrise Mountains Instant Study Area in the County as depicted on the Southern Nevada Public Land Management Act map, dated October 1, 2002.

SEC. 208. WILDLIFE MANAGEMENT.

(a) **IN GENERAL.**—In accordance with section 4(d)(7) of the Wilderness Act (16 U.S.C. 1133(d)(7)), nothing in this title affects or diminishes the jurisdiction of the State with respect to fish and wildlife management, including the regulation of hunting, fishing, and trapping, in the wilderness areas designated by this title.

(b) **MANAGEMENT ACTIVITIES.**—In furtherance of the purposes and principles of the Wilderness Act, management activities to maintain or restore fish and wildlife populations and the habitats to support such populations may be carried out within wilderness areas designated by this title where consistent with relevant wilderness management plans, in accordance with appropriate policies such as those set forth in Appendix B of House Report 101-405, including the occasional and temporary use of motorized vehicles, if such use, as determined by the Secretary, would promote healthy, viable, and more naturally distributed wildlife populations that would enhance wilderness values and accomplish those purposes with the minimum impact necessary to reasonably accomplish the task.

(c) **EXISTING ACTIVITIES.**—Consistent with section 4(d)(1) of the Wilderness Act (16 U.S.C. 1133(d)) and in accordance with appropriate policies such as those set forth in Appendix B of House Report 101-405, the State may continue to use aircraft, including helicopters, to survey, capture, transplant, monitor, and provide water for wildlife populations, including bighorn sheep, and feral stock, horses, and burros.

(d) **WILDLIFE WATER DEVELOPMENT PROJECTS.**—Subject to subsection (f), the Secretary shall, authorize structures and facilities, including existing structures and facilities, for wildlife water development projects, including guzzlers, in the wilderness areas designated by this title if—

- (1) the structures and facilities will, as determined by the Secretary, enhance wilderness values by promoting healthy, viable and more naturally distributed wildlife populations; and
- (2) the visual impacts of the structures and facilities on the wilderness areas can reasonably be minimized.

(e) **HUNTING, FISHING, AND TRAPPING.**—The Secretary may designate by regulation areas in consultation with the appropriate State agency (except in emergencies), in which, and establish periods during which, for reasons of public safety, administration, or compliance with applicable laws, no hunting, fishing, or trapping will be permitted in the wilderness areas designated by this title.

(f) **COOPERATIVE AGREEMENT.**—No later than one year after the date of enactment of this Act, the Secretary shall enter into a cooperative agreement with the State of Nevada. The cooperative agreement shall specify the terms and conditions under which the State (including a designee of the State) may use wildlife management activities in the wilderness areas designated by this title.

Deadline.

SEC. 209. WILDFIRE MANAGEMENT.

Consistent with section 4 of the Wilderness Act (16 U.S.C. 1133), nothing in this title precludes a Federal, State, or local agency from conducting wildfire management operations (including operations using aircraft or mechanized equipment) to manage wildfires in the wilderness areas designated by this title.

SEC. 210. CLIMATOLOGICAL DATA COLLECTION.

Subject to such terms and conditions as the Secretary may prescribe, nothing in this title precludes the installation and maintenance of hydrologic, meteorologic, or climatological collection devices in the wilderness areas designated by this title if the facilities and access to the facilities are essential to flood warning, flood control, and water reservoir operation activities.

SEC. 211. NATIONAL PARK SERVICE LANDS.

To the extent any of the provisions of this title are in conflict with laws, regulations, or management policies applicable to the National Park Service for Lake Mead National Recreation Area, those laws, regulations, or policies shall control.

TITLE III—TRANSFERS OF ADMINISTRATIVE JURISDICTION

16 USC 668dd
note.

SEC. 301. TRANSFER OF ADMINISTRATIVE JURISDICTION TO THE UNITED STATES FISH AND WILDLIFE SERVICE.

(a) **IN GENERAL.**—Administrative jurisdiction over the land described in subsection (b) is transferred from the Bureau of Land Management to the United States Fish and Wildlife Service for inclusion in the Desert National Wildlife Range.

(b) **DESCRIPTION OF LAND.**—The parcel of land referred to in subsection (a) is the approximately 26,433 acres of land administered by the Bureau of Land Management as generally depicted on the map entitled “Arrow Canyon” and dated October 1, 2002.

(c) WILDERNESS RELEASE.—

(1) Congress finds that the parcel of land described in subsection (b) has been adequately studied for wilderness designation for the purposes of section 603(c) of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1782(c)).

(2) The parcel of land described in subsection (b)—

(A) shall not be subject to section 603(c) of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1782(c)); and

(B) shall be managed in accordance with

(i) the National Wildlife Refuge System Administration Act, as amended by the National Wildlife Refuge System Improvement Act of 1997 (16 U.S.C. 668dd–668ee); and

(ii) existing cooperative conservation agreements.

16 USC 460n–1
note.

SEC. 302. TRANSFER OF ADMINISTRATIVE JURISDICTION TO NATIONAL PARK SERVICE.

(a) **IN GENERAL.**—Administrative jurisdiction over the parcel of land described in subsection (b) is transferred from the Bureau of Land Management to the National Park Service for inclusion in the Lake Mead National Recreation Area.

(b) **DESCRIPTION OF LAND.**—The parcel of land referred to in subsection (a) is the approximately 10 acres of Bureau of Land Management land, as depicted on the map entitled “Eldorado/Spirit Mountain” and dated October 1, 2002.

(c) **USE OF LAND.**—The parcel of land described in subsection (b) shall be used by the National Park Service for administrative facilities.

TITLE IV—AMENDMENTS TO THE SOUTHERN NEVADA PUBLIC LAND MANAGEMENT ACT

SEC. 401. DISPOSAL AND EXCHANGE.

(a) **IN GENERAL.**—Section 4 of the Southern Nevada Public Land Management Act of 1998 (112 Stat. 2344) is amended—

(1) in the first sentence of subsection (a), by striking “entitled Las Vegas Valley, Nevada, Land Disposal Map, dated April 10, 1997” and inserting “entitled Southern Nevada Public Land Management Act, dated October 1, 2002”; and

(2) in subsection (e)(3)(A)—

(A) in clause (iv)—

(i) by inserting “or regional governmental entity” after “local government”; and

(ii) by striking “and” at the end;

(B) by redesignating clause (v) as clause (vi); and

(C) by inserting after clause (iv) the following:

“(v) up to 10 percent of amounts available, to be used for conservation initiatives on Federal land in Clark County, Nevada, administered by the Department of the Interior or the Department of Agriculture; and”.

(b) **EFFECTIVE DATE.**—The amendments made by subsection (a) take effect on January 31, 2003.

(c) **WITHDRAWAL.**—Subject to valid existing rights, the land designated for disposal in this section is withdrawn from entry and appropriation under the public land laws, location and entry, under the mining laws, and from operation under the mineral leasing and geothermal leasing laws until such times as the Secretary terminates the withdrawal or the lands are patented.

TITLE V—IVANPAH CORRIDOR

SEC. 501. INTERSTATE ROUTE 15 SOUTH CORRIDOR.

(a) **MANAGEMENT OF INTERSTATE ROUTE 15 CORRIDOR LAND.**—

(1) **IN GENERAL.**—The Secretary shall manage the land located along the Interstate Route 15 corridor south of the Las Vegas Valley to the border between the States of California and Nevada, generally depicted as Interstate 15 South Corridor on the map entitled “Clark County Conservation of Public Land and Natural Resources Act of 2002” and dated October 1, 2002, in accordance with the Southern Nevada Public Land Management Act of 1998 (112 Stat. 2343) and this section.

(2) **AVAILABILITY OF MAP.**—The map described in paragraph (1) shall be on file and available for public inspection in the appropriate offices of the Bureau of Land Management. Public inspection.

(3) **MULTIPLE USE MANAGEMENT.**—Subject to any land management designations under the 1998 Las Vegas District Resource Management Plan or the Clark County Multi-Species Conservation Plan, land depicted on the map described in paragraph (1) shall be managed for multiple use purposes.

(4) **TERMINATION OF ADMINISTRATIVE WITHDRAWAL.**—The administrative withdrawal of the land identified as the Interstate 15 South Corridor on the map entitled “Clark County Conservation of Public Land and Natural Resources Act of 2002” and dated October 1, 2002, from mineral entry dated July 23, 1997, and as amended March 9, 1998, as further amended July 2, 2002, is terminated.

(5) **WITHDRAWAL OF LAND.**—Subject to valid existing rights, the corridor described in subsection (b) and the land described in subsection (c)(1) are withdrawn from location and entry under the mining laws, and from operation under the mineral leasing and geothermal leasing laws, until such time as—

- (A) the Secretary terminates the withdrawal; or
- (B) the corridor or land, respectively, is patented.

(b) **TRANSPORTATION AND UTILITIES CORRIDOR.**—Notwithstanding sections 202 and 203 of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1712, 1713), the Secretary, in consultation with the City of Henderson and the County, and in accordance with this section and other applicable laws and subject to valid existing rights, shall establish a 2,640-foot-wide corridor between the Las Vegas valley and the proposed Ivanpah Airport for the placement, on a nonexclusive basis, of utilities and transportation.

(c) **IVANPAH AIRPORT ENVIRONS OVERLAY DISTRICT LAND TRANSFER.**—

(1) **IN GENERAL.**—Subject to paragraph (2) and valid existing rights, on request by the County, the Secretary shall transfer to the County, without consideration, all right, title, and interest of the United States in and to the land identified as Ivanpah Airport noise compatibility area on the map entitled “Clark County Conservation of Public Land and Natural Resources Act of 2002” and dated October 1, 2002.

(2) **CONDITIONS FOR TRANSFER.**—As a condition of the transfer under paragraph (1), the County shall agree—

(A) to manage the transferred land in accordance with section 47504 of title 49, United States Code (including regulations promulgated under that section); and

(B) that if any portion of the transferred land is sold, leased, or otherwise conveyed or leased by the County—

(i) the sale, lease, or other conveyance shall be—

(I) subject to a limitation that requires that any use of the transferred land be consistent with the Agreement and section 47504 of title 49, United States Code (including regulations promulgated under that section); and

(II) for fair market value; and

(ii) of any gross proceeds received by the County from the sale, lease, or other conveyance of the land, the County shall—

(I) contribute 85 percent to the special account established by section 4(e)(1)(C) of the Southern Nevada Public Land Management Act of 1998 (112 Stat. 2345);

(II) contribute 5 percent to the State for use in the general education program of the State; and

(III) reserve 10 percent for use by the Clark County Department of Aviation for airport development and noise compatibility programs.

(d) EFFECTIVE DATE.—Subsections (b) and (c) shall not take effect until construction of the Ivanpah Valley Airport is approved in accordance with Public Law 106-362.

SEC. 502. AREA OF CRITICAL ENVIRONMENTAL CONCERN SEGREGATION.

(a) TEMPORARY WITHDRAWAL.—Subject to valid existing rights, any Federal land in an Area of Critical Environmental Concern that is designated for withdrawal under the 1998 Las Vegas Resource Management Plan, and which is not already withdrawn by the effect of this or any other Act, is hereby withdrawn from location, entry, and patent under the mining laws for a period not to exceed five years. The withdrawal shall lapse at the earlier—

(1) five years; or

(2) when the Secretary issues a final decision on each proposed withdrawal.

(b) ADMINISTRATIVE WITHDRAWAL.—The Secretary shall make final decisions on each of the temporary withdrawals described in subsection (a) within five years of the date of enactment of this Act. Such decisions shall be made consistent with the Federal Land Policy and Management Act (43 U.S.C. 1714), and in accordance with the 1998 Las Vegas Resource Management Plan.

Deadline.

(c) MINERAL REPORT.—The mineral reports required by section 204(c)(12) of the Federal Land Policy and Management Act shall be the responsibility of the United States Geological Survey and shall be completed for each of the temporary withdrawals described in subsection (a) within four years of the date of enactment of this Act.

Deadline.

TITLE VI—SLOAN CANYON NATIONAL CONSERVATION AREA

Sloan Canyon National Conservation Area Act.

SEC. 601. SHORT TITLE.

This title may be cited as the “Sloan Canyon National Conservation Area Act”.

16 USC 460qqq note.

SEC. 602. PURPOSE.

The purpose of this title is to establish the Sloan Canyon National Conservation Area to conserve, protect, and enhance for the benefit and enjoyment of present and future generations the cultural, archaeological, natural, wilderness, scientific, geological, historical, biological, wildlife, educational, and scenic resources of the Conservation Area.

16 USC 460qqq.

SEC. 603. DEFINITIONS.

In this title:

16 USC 460qqq-1.

(1) CONSERVATION AREA.—The term “Conservation Area” means the Sloan Canyon National Conservation Area established by section 604(a).

(2) FEDERAL PARCEL.—The term “Federal parcel” means the parcel of Federal land consisting of approximately 500 acres that is identified as Tract A on the map entitled “Southern

Nevada Public Land Management Act” and dated October 1, 2002.

(3) **MANAGEMENT PLAN.**—The term “management plan” means the management plan for the Conservation Area developed under section 605(b).

(4) **MAP.**—The term “map” means the map entitled “Southern Nevada Public Land Management Act” and dated October 1, 2002.

16 USC
460qqq-2.

SEC. 604. ESTABLISHMENT.

(a) **IN GENERAL.**—For the purpose described in section 602, there is established in the State a conservation area to be known as the Sloan Canyon National Conservation Area.

(b) **AREA INCLUDED.**—The Conservation Area shall consist of approximately 48,438 acres of public land in the County, as generally depicted on the map.

(c) **MAP AND LEGAL DESCRIPTION.**—

(1) **IN GENERAL.**—As soon as practicable after the date of enactment of this Act, the Secretary shall submit to Congress a map and legal description of the Conservation Area.

(2) **EFFECT.**—The map and legal description shall have the same force and effect as if included in this section, except that the Secretary may correct minor errors in the map or legal description.

(3) **PUBLIC AVAILABILITY.**—A copy of the map and legal description shall be on file and available for public inspection in the appropriate office of the Bureau of Land Management.

16 USC
460qqq-3.

SEC. 605. MANAGEMENT.

(a) **IN GENERAL.**—The Secretary, acting through the Director of the Bureau of Land Management, shall manage the Conservation Area—

(1) in a manner that conserves, protects, and enhances the resources of the Conservation Area; and

(2) in accordance with—

(A) the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1701 et seq.); and

(B) other applicable law, including this Act.

(b) **MANAGEMENT PLAN.**—

Deadline.

(1) **IN GENERAL.**—Not later than 3 years after the date of enactment of this Act, the Secretary, in consultation with the State, the city of Henderson, the County, and any other interested persons, shall develop a management plan for the Conservation Area.

(2) **REQUIREMENTS.**—The management plan shall—

(A) describe the appropriate uses and management of the Conservation Area;

(B)(i) authorize the use of motorized vehicles in the Conservation Area—

(I) for installing, repairing, maintaining, and reconstructing water development projects, including guzzlers, that would enhance the Conservation Area by promoting healthy, viable, and more naturally distributed wildlife populations; and

(II) subject to any limitations that are not more restrictive than the limitations on such uses authorized in wilderness areas under section 208; and

(ii) include or provide recommendations on ways of minimizing the visual impacts of such activities on the Conservation Area;

(C) include a plan for litter cleanup and public lands awareness campaign on public lands in and around the Conservation Area; and

(D) include a recommendation on the location for a right-of-way for a rural roadway to provide the city of Henderson with access to the Conservation Area, in accordance with the application numbered N-65874.

(c) USES.—The Secretary shall allow only such uses of the Conservation Area that the Secretary determines will further the purpose described in section 602.

(d) MOTORIZED VEHICLES.—Except as needed for administrative purposes or to respond to an emergency, the use of motorized vehicles in the Conservation Area shall be permitted only on roads and trails designated for the use of motorized vehicles by the management plan developed under subsection (b).

(e) WITHDRAWAL.—

(1) IN GENERAL.—Subject to valid existing rights, all public land in the Conservation Area is withdrawn from—

(A) all forms of entry and appropriation under the public land laws;

(B) location, entry, and patent under the mining laws; and

(C) operation of the mineral leasing, mineral materials, and geothermal leasing laws.

(2) ADDITIONAL LAND.—Notwithstanding any other provision of law, if the Secretary acquires mineral or other interests in a parcel of land within the Conservation Area after the date of enactment of this Act, the parcel is withdrawn from operation of the laws referred to in paragraph (1) on the date of acquisition of the land.

(f) HUNTING, FISHING, AND TRAPPING.—

(1) IN GENERAL.—Nothing in this title affects the jurisdiction of the State with respect to fish and wildlife, including hunting, fishing, and trapping in the Conservation Area.

(2) LIMITATIONS.—

(A) REGULATIONS.—The Secretary may designate by regulation areas in which, and establish periods during which, for reasons of public safety, administration, or compliance with applicable laws, no hunting, fishing, or trapping will be permitted in the Conservation Area.

(B) CONSULTATION.—Except in emergencies, the Secretary shall consult with the appropriate State agency before promulgating regulations under subparagraph (A) that close a portion of the Conservation Area to hunting, fishing, or trapping.

(g) NO BUFFER ZONES.—

(1) IN GENERAL.—The establishment of the Conservation Area shall not create an express or implied protective perimeter or buffer zone around the Conservation Area.

(2) PRIVATE LAND.—If the use of, or conduct of an activity on, private land that shares a boundary with the Conservation Area is consistent with applicable law, nothing in this title concerning the establishment of the Conservation Area shall prohibit or limit the use or conduct of the activity.

16 USC
460qqq-4.
Deadline.

SEC. 606. SALE OF FEDERAL PARCEL.

(a) **IN GENERAL.**—Notwithstanding sections 202 and 203 of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1712, 1713) and subject to valid existing rights, not later than 1 year after the date of enactment of this Act, the Secretary shall convey to the highest qualified bidder all right, title, and interest of the United States in and to the Federal parcel.

(b) **DISPOSITION OF PROCEEDS.**—Of the gross proceeds from the conveyance of land under subsection (a)—

(1) 5 percent shall be available to the State for use in the general education program of the State; and

(2) the remainder shall be deposited in the special account established under the Southern Nevada Public Lands Management Act of 1998 (Public Law 105-263; 112 Stat. 2345), to be available to the Secretary, without further appropriation for—

(A) the construction and operation of facilities to support the management of the Conservation Area;

(B) the construction and repair of trails and roads in the Conservation Area authorized under the management plan;

(C) research on and interpretation of the archaeological and geological resources of the Conservation Area;

(D) conservation and research relating to the Conservation Area; and

(E) any other purpose that the Secretary determines to be consistent with the purpose described in section 602.

16 USC
460qqq-5.
Deadline.

SEC. 607. RIGHT-OF-WAY.

Not later than 180 days after the date of enactment of this Act, the Secretary shall convey to the City of Henderson the public right-of-way requested for public trail purposes under the application numbered N-76312 and the public right-of-way requested for public trail purposes under the application numbered N-65874.

TITLE VII—PUBLIC INTEREST CONVEYANCES

SEC. 701. DEFINITION OF MAP.

In this title, the term “map” means the map entitled “Southern Nevada Public Land Management Act” and dated October 1, 2002.

SEC. 702. CONVEYANCE TO THE UNIVERSITY OF NEVADA AT LAS VEGAS RESEARCH FOUNDATION.

(a) **FINDINGS AND PURPOSES.**—

(1) **FINDINGS.**—Congress finds that—

(A) the University of Nevada, Las Vegas, needs land in the greater Las Vegas area to provide for the future growth of the university;

(B) the proposal by the University of Nevada, Las Vegas, for construction of a research park and technology center in the greater Las Vegas area would enhance the high tech industry and entrepreneurship in the State; and

(C) the land transferred to the Clark County Department of Aviation under section 4(g) of the Southern Nevada Public Land Management Act of 1998 (112 Stat. 2346)

is the best location for the research park and technology center.

(2) PURPOSES.—The purposes of this section are—

(A) to provide a suitable location for the construction of a research park and technology center in the greater Las Vegas area;

(B) to provide the public with opportunities for education and research in the field of high technology; and

(C) to provide the State with opportunities for competition and economic development in the field of high technology.

(b) TECHNOLOGY RESEARCH CENTER.—

(1) CONVEYANCE.—Notwithstanding section 4(g)(4) of the Southern Nevada Public Land Management Act of 1998 (112 Stat. 2347), the Clark County Department of Aviation may convey, without consideration, all right, title, and interest in and to the parcel of land described in paragraph (3) to the University of Nevada at Las Vegas Research Foundation (referred to in this section as “Foundation”) for the development of a technology research center.

(2) CONDITION.—The conveyance under paragraph (1) shall be subject to the condition that the Foundation enter into an agreement that if the land described in paragraph (3) is sold, leased, or otherwise conveyed by the Foundation.

(A) the Foundation shall sell, lease, or otherwise convey the land for fair market value;

(B) the Foundation shall contribute 85 percent of the gross proceeds from the sale, lease, or conveyance of the land to the special account;

(C) with respect to land identified on the map entitled “Las Vegas Valley, Nevada, Land Sales Map”, numbered 7306A, and dated May 1980, the proceeds from the sale, lease, or conveyance of the land identified on the map contributed to the special account by the Foundation under subparagraph (B) shall be used by the Secretary of Agriculture to acquire environmentally sensitive land in the Lake Tahoe Basin under section 3 of Public Law 96-586 (94 Stat. 3383);

(D) the Foundation shall contribute 5 percent of the gross proceeds from the sale, lease, or conveyance of the land to the State of Nevada for use in the general education program of the State; and

(E) the remainder of the gross proceeds from the sale, lease, or conveyance of the land shall be available for use by the Foundation.

(3) DESCRIPTION OF LAND.—The parcel of land referred to in paragraph (1) is the parcel of Clark County Department of Aviation land—

(A) consisting of approximately 115 acres; and

(B) located in the SA $\frac{1}{4}$ of section 33, T. 21 S., R. 60 E., Mount Diablo Base and Meridian.

SEC. 703. CONVEYANCE TO THE LAS VEGAS METROPOLITAN POLICE DEPARTMENT.

The Secretary shall convey to the Las Vegas Metropolitan Police Department, without consideration, all right, title, and interest

in and to the parcel of land identified as "Tract F" on the map for use as a shooting range.

SEC. 704. CONVEYANCE TO THE CITY OF HENDERSON FOR THE NEVADA STATE COLLEGE AT HENDERSON.

(a) DEFINITIONS.—In this section:

(1) CHANCELLOR.—The term "Chancellor" means the Chancellor of the University system.

(2) CITY.—The term "City" means the city of Henderson, Nevada.

(3) COLLEGE.—The term "College" means the Nevada State College at Henderson.

(4) SURVEY.—The term "survey" means the land survey required under Federal law to define the official metes and bounds of the parcel of Federal land identified as "Tract H" on the map.

(5) UNIVERSITY SYSTEM.—The term "University system" means the University and Community College System of Nevada.

(b) CONVEYANCE.—

Deadline.

(1) IN GENERAL.—Notwithstanding the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1701 et seq.) and section 1(c) of the Act of June 14, 1926 (commonly known as the "Recreation and Public Purposes Act") (43 U.S.C. 869(c)), not later than 180 days after the date on which the survey is approved, the Secretary shall convey to the City, without consideration, all right, title, and interest of the United States in and to the parcel of Federal land identified as "Tract H" on the map for use as a campus for the College.

(2) CONDITIONS.—

(A) IN GENERAL.—As a condition of the conveyance under paragraph (1), the Chancellor and the City shall agree in writing—

(i) to pay any administrative costs associated with the conveyance, including the costs of any environmental, wildlife, cultural, or historical resources studies;

(ii) to use the Federal land conveyed for educational and recreational purposes;

(iii) to release and indemnify the United States from any claims or liabilities which may arise from uses that are carried out on the Federal land on or before the date of enactment of this Act by the United States or any person;

(iv) as soon as practicable after the date of the conveyance under paragraph (1), to erect at the College an appropriate and centrally located monument that acknowledges the conveyance of the Federal land by the United States for the purpose of furthering the higher education of citizens in the State; and

(v) to assist the Bureau of Land Management in providing information to the students of the College and the citizens of the State on—

(I) public land in the State; and

(II) the role of the Bureau of Land Management in managing, preserving, and protecting the public land.

(B) **VALID EXISTING RIGHTS.**—The conveyance under paragraph (1) shall be subject to all valid existing rights.

(3) **USE OF FEDERAL LAND.**—

(A) **IN GENERAL.**—The College and the City may use the land conveyed under paragraph (1) for—

(i) any purpose relating to the establishment, operation, growth, and maintenance of the College; and

(ii) any uses relating to such purposes, including residential and commercial development that would generally be associated with an institution of higher education.

(B) **OTHER ENTITIES.**—The College and the City may—

(i) consistent with Federal and State law, lease or otherwise provide property or space at the College, with or without consideration, to religious, public interest, community, or other groups for services and events that are of interest to the College, the City, or any community located in the Las Vegas Valley;

(ii) allow the City or any other community in the Las Vegas Valley to use facilities of the College for educational and recreational programs of the City or community; and

(iii) in conjunction with the City, plan, finance, (including the provision of cost-share assistance), construct, and operate facilities for the City on the Federal land conveyed for educational or recreational purposes consistent with this section.

(4) **REVERSION.**—If the Federal land or any portion of the Federal land conveyed under paragraph (1) ceases to be used for the College, the Federal land or any portion of the Federal land shall, at the discretion of the Secretary, revert to the United States.

SEC. 705. CONVEYANCE TO THE CITY OF LAS VEGAS, NEVADA.

(a) **DEFINITIONS.**—In this section:

(1) **CITY.**—The term “City” means the city of Las Vegas, Nevada.

(2) **SECRETARY.**—The term “Secretary” means the Secretary of the Interior, acting through the Director of the Bureau of Land Management.

(b) **CONVEYANCE.**—The Secretary shall convey to the City, without consideration, all right, title, and interest of the United States in and to the parcels of land identified as “Tract C” and “Tract D” on the map.

(c) **REVERSION.**—If a parcel of land conveyed to the City under subsection (b) ceases to be used for affordable housing or for a purpose related to affordable housing, the parcel shall, at the discretion of the Secretary, revert to the United States.

SEC. 706. SALE OF FEDERAL PARCEL.

(a) **IN GENERAL.**—Notwithstanding sections 202 and 203 of the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1712, 1713) and subject to valid existing rights, the Secretary shall convey as a single parcel to the highest qualified bidder all right, title, and interest of the United States in and to approximately 360 acres that is identified as the North Half (N½) of Section 7, Township 23 South, Range 61 East, M.D.B.&M., Clark County, Nevada and the Northeast Quarter (NE¼) of the Southeast

Quarter (SE¼) of Section 7, Township 23 South, Range 61 East, M.D.M., Clark County, Nevada.

(b) **DISPOSITION OF PROCEEDS.**—The proceeds from the conveyance of the lands described in subsection (a) shall be deposited in accordance with section 4(e)(1) of the Southern Nevada Public Land Management Act of 1998 (112 Stat. 2345).

Humboldt Project
Conveyance Act.

TITLE VIII—HUMBOLDT PROJECT CONVEYANCE

SEC. 801. SHORT TITLE.

This title may be cited as the “Humboldt Project Conveyance Act”.

SEC. 802. DEFINITIONS.

For purposes of this title:

(1) **SECRETARY.**—The term “Secretary” means the Secretary of the Interior.

(2) **STATE.**—The term “State” means the State of Nevada.

(3) **PCWCD.**—The term “PCWCD” means the Pershing County Water Conservation District, a public entity organized under the laws of the State of Nevada.

(4) **PERSHING COUNTY.**—The term “Pershing County” means the Pershing County government, a political subunit of the State of Nevada.

(5) **LANDER COUNTY.**—The term “Lander County” means the Lander County government, a political subunit of the State of Nevada.

SEC. 803. AUTHORITY TO CONVEY TITLE.

(a) **IN GENERAL.**—As soon as practicable after the date of enactment of this Act and in accordance with all applicable law, the Secretary shall convey all right, title, and interest in and to the lands and features of the Humboldt Project, as generally depicted on the map entitled the “Humboldt Project Conveyance Act”, and dated July 3, 2002, including all water rights for storage and diversion, to PCWCD, the State, Pershing County, and Lander County, consistent with the terms and conditions set forth in the Memorandum of Agreement between PCWCD and Lander County dated January 24, 2000, the Conceptual Agreement between PCWCD and the State dated October 18, 2001, the Letter of Agreement between Pershing County and the State dated April 16, 2002, and any agreements between the Bureau of Reclamation and PCWCD.

(b) **MAP.**—As soon as practicable after the date of the enactment of this Act, the Secretary shall submit to Congress a map of the Humboldt Project Conveyance. In case of a conflict between the map referred to in subsection (a) and the map submitted by the Secretary, the map referred to in subsection (b) shall control. The map shall have the same force and effect as if included in this Act, except that the Secretary may correct clerical and typographical errors in such map and legal description. Copies of the map shall be on file and available for public inspection in the Office of the Commissioner of the Bureau of Reclamation and in the Office of the Area Manager of the Bureau of Reclamation in Carson City, Nevada.

(c) **COMPLIANCE WITH AGREEMENTS.**—All parties to the conveyance under subsection (a) shall comply with the terms and conditions of the agreements cited in subsection (a).

(d) **REPORT.**—If the conveyance required by this section has not been completed within 18 months after the date of enactment of this Act, the Secretary shall submit a report to the Committee on Resources of the House of Representatives and the Committee on Energy and Natural Resources of the Senate that describes—

Deadline.

- (1) the status of the conveyance;
- (2) any obstacles to completion of the conveyance; and
- (3) the anticipated date for completion of the conveyance.

SEC. 804. PAYMENT.

(a) **IN GENERAL.**—As consideration for any conveyance required by section 803, PCWCD shall pay to the United States the net present value of miscellaneous revenues associated with the lands and facilities to be conveyed.

(b) **WITHDRAWN LANDS.**—As consideration for any conveyance of withdrawn lands required by section 803, the entity receiving title shall pay the United States (in addition to amounts paid under subsection (a)) the fair market value for any such lands conveyed that were withdrawn from the public domain pursuant to the Secretarial Orders dated March 16, 1934, and April 6, 1956.

(c) **ADMINISTRATIVE COSTS.**—Administrative costs for conveyance of any land or facility under this title shall be paid in equal shares by the Secretary and the entity receiving title to the land or facility, except costs identified in subsections (d) and (e).

(d) **REAL ESTATE TRANSFER COSTS.**—As a condition of any conveyance of any land or facility required by section 803, costs of all boundary surveys, title searches, cadastral surveys, appraisals, maps, and other real estate transactions required for the conveyance shall be paid by the entity receiving title to the land or facility.

(e) **NEPA COSTS.**—Costs associated with any review required under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.) for conveyance of any land or facility under section 803 shall be paid in equal shares by the Secretary and the entity receiving title to the land or facility.

(f) **STATE OF NEVADA.**—The State shall not be responsible for any payments under this section. Any proposal by the State to reconvey to another entity land conveyed by the Secretary under this title shall be pursuant to an agreement with the Secretary providing for fair market value to the United States for the lands, and for continued management of the lands for recreation, wildlife habitat, wetlands, or resource conservation.

SEC. 805. COMPLIANCE WITH OTHER LAWS.

Following the conveyance required by section 803, the district, the State, Pershing County, and Lander County shall, with respect to the interests conveyed, comply with all requirements of Federal, State, and local law applicable to non-Federal water distribution systems.

SEC. 806. REVOCATION OF WITHDRAWALS.

Effective on the date of the conveyance required by section 803, the Secretarial Orders dated March 16, 1934, and April 6, 1956, that withdrew public lands for the Rye Patch Reservoir and the Humboldt Sink, are hereby revoked.

Effective date.

SEC. 807. LIABILITY.

Effective date.

Effective on the date of the conveyance required by section 803, the United States shall not be held liable by any court for damages of any kind arising out of any act, omission, or occurrence relating to the Humboldt Project, except for damages caused by acts of negligence committed by the United States or by its employees or agents prior to the date of conveyance. Nothing in this section shall be considered to increase the liability of the United States beyond that currently provided in chapter 171 of title 28, United States Code, popularly known as the "Federal Tort Claims Act".

SEC. 808. NATIONAL ENVIRONMENTAL POLICY ACT.

Prior to any conveyance under this title, the Secretary shall complete all actions as may be required under the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.), the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.), and all other applicable laws.

SEC. 809. FUTURE BENEFITS.

Upon conveyance of the lands and facilities by the Secretary under this title, the Humboldt Project shall no longer be a Federal reclamation project and the district shall not be entitled to receive any future reclamation benefits with respect to that project, except those benefits that would be available to other nonreclamation districts.

TITLE IX—MISCELLANEOUS PROVISIONS

SEC. 901. TECHNICAL AMENDMENTS TO THE MESQUITE LANDS ACT 2001.

Section 3 of Public Law 99-548 (100 Stat. 3061; 110 Stat. 3009-202) is amended—

(1) in subsection (d), by adding at the end the following:

"(3) USE OF PROCEEDS.—The proceeds of the sale of each parcel completed after the date of enactment of this subsection shall be deposited in the special account established under section 4(e)(1)(C) of the Southern Nevada Public Land Management Act of 1998 (112 Stat. 2345); and shall be available for use by the Secretary—

"(A) to reimburse costs incurred by the local offices of the Bureau of Land Management in arranging the land conveyances directed by this section;

"(B) for the development of a multispecies habitat conservation plan for the Virgin River in Clark County, Nevada, including any associated groundwater monitoring plan; and

"(C) as provided in section 4(e)(3) of that Act (112 Stat. 2346).

Deadline.

"(4) TIMING.—Not later than 90 days after the date of enactment of this section, the Secretary shall complete the sale of any parcel authorized to be conveyed pursuant to this section and for which the Secretary has received notification from the city under paragraph (1)."; and

(2) in subsection (f)(2)(B), by adding at the end the following:

“(v) Sec. 7.”.

Approved November 6, 2002.

LEGISLATIVE HISTORY—H.R. 5200 (S. 2612):

HOUSE REPORTS: No. 107-750 (Comm. on Resources).

CONGRESSIONAL RECORD, Vol. 148 (2002):

Oct. 16, considered and passed House.

Oct. 17, considered and passed Senate.

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**PLAN MAINTENANCE
LAS VEGAS FIELD OFFICE**

REFERENCE

Land Use Plan: Las Vegas Resource Management Plan
Title of Document: Las Vegas RMP
Activity: ACEC Legal Descriptions and Map Corrections
Objective: To ensure all maps and legal descriptions accurately describe each ACEC

CHANGE

The current maps and legal descriptions in the approved Las Vegas Resource Management Plan do not match or represent the actual areas where protection of the resources is necessary. The legal descriptions do not match the map and/or the maps do not match the legal descriptions in every case. This situation requires resolution to ensure any legal descriptions used for various authorizations or denial of requested uses are accurate and supported by the record. The maps and legal descriptions will now match for each designated ACEC.

The Clark County Conservation of Public Land and Natural Resources Act of 2002, transferred lands contained in the Coyote Springs desert tortoise ACEC to the US Fish and Wildlife Service. This action reduced the ACEC acres designated by the Las Vegas RMP. This land will be managed under the National Wildlife Refuge System Administration Act, as amended; therefore the provisions of FLPMA and ACEC designation no longer apply.

RATIONALE

New information available (indicate source)

New law, policy or decision (indicate source)

Error in original document: The original document had conflicting maps and legal descriptions that required further clarification to ensure the area described was the area that truly needed the protection status of an ACEC. The possibility exists that a lease or other land use authorization could be approved in an area classified as an ACEC, but not reflected in the legal description. Therefore, corrections to the maps and legal descriptions need to be made to ensure intended protection of the lands within the ACEC. See the attached corrected legal descriptions, which will be entered into the BLM lands database. Also, amended maps will be provided to the public upon request. This maintenance action corrects the ACEC acreage depicted in the RMP from 1,005,031 to 976,738.252 acres.

SCREENING

True False

The change is consistent with the overall intent of the Land Use Plan

___ The change is consistent with appropriate non-BLM resource related plans

___ The change does not require a plan amendment

SIGNATURES

Originator

Jeffrey G. Steinmetz

6/19/03

AFM Renew

[Signature]

6/19/03

Field Manager
LVFO

Frank T. [Signature]

6/23/03

Areas of Critical Environmental Concern (ACEC)
As Withdrawn by Public Law 107-282 – November 6, 2002:
Clark County Conservation of Public Land and Natural Resources Act of 2002,
And Designated in the Las Vegas Field Office
Las Vegas Resource Management Plan and Final EIS, Approved October 1998.

ACEC Name, Acreage and County Location, Casefile Number	Legal Land Description Location	Lot, Aliquot Part, Description	Last Updated: 05/30/2003
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*Acreage totals represent only the land managed by the Bureau of Land Management.

1. Amargosa Mesquite Trees
Total Acreage = 6,890.97
(Nye County)
(NVN 076865)

<u>T. 16 S., R. 51 E.,</u>	All;
sec. 35,	SW¼.
sec. 36,	
<u>T. 17 S., R. 51 E.,</u>	lots 3, 4, S½NW¼, S½;
sec. 1,	All;
sec. 2,	E¼;
sec. 11,	All;
sec. 12,	All;
sec. 13,	E½;
sec. 14,	E½;
sec. 23,	All;
sec. 24,	All;
sec. 25,	E½;
sec. 26,	All;
sec. 35,	All;
sec. 36,	All.

2. Arden Historic Sites
Total Acreage = 1,480.10
(Clark County)
(NVN 076866)

<u>T. 22 S., R. 60 E.,</u>	W¼NE¼NE¼, W¼NE¼NE¼, SE¼NE¼NE¼, W¼NE¼, W¼NE¼SE¼NE¼, W¼SE¼NE¼, W¼NE¼NE¼NW¼, S¼NE¼NW¼, E¼NE¼NW¼NW¼, E¼SW¼NW¼NW¼, W¼SE¼NW¼NW¼, E¼NE¼SW¼NW¼, W¼SW¼NW¼, SE¼SW¼NW¼, W¼NE¼SE¼NW¼, W¼SE¼NW¼, SE¼SE¼NW¼, S½;
sec. 32,	NE¼NE¼SW¼, W¼NW¼NE¼SW¼, S¼NE¼SW¼, NW¼SW¼, W¼NE¼SW¼SW¼, W¼SW¼SW¼, SE¼SW¼SW¼, E¼NE¼SE¼SW¼, W¼SE¼SW¼, W¼SE¼SE¼SW¼, N¼SE¼, SW¼SE¼, W¼NE¼SE¼SE¼, NW¼SE¼SE¼.
sec. 33,	
<u>T. 23 S., R. 60 E.,</u>	lots 1 to 4, inclusive, S½N½;
sec. 4,	lots 1 to 4, inclusive, S½N½.
sec. 5,	

3. Arrow Canyon
Total Acreage = 2,083.68
(Clark County)
(NVN 076867)

<u>T. 14 S., R. 64 E.,</u>	NW¼, E¼SW¼, SE¼, unsurveyed;
sec. 10,	SW¼, unsurveyed;
sec. 11,	All, unsurveyed;
sec. 13,	N¼, SE¼, unsurveyed;
sec. 14,	NE¼, E¼NW¼, unsurveyed.
sec. 15,	
<u>T. 14 S., R. 65 E.,</u>	lots 3, 4, E¼SW¼, SE¼.
sec. 7,	

4. Ash Meadows
Total Acreage = 36,904.532
(Nye County)

<u>T. 17 S., R. 50 E.,</u>	All;
sec. 7,	All;
sec. 8,	lots 1 to 12, inclusive;
sec. 9,	lots 1 to 8, inclusive. 12:
sec. 10,	

sec. 11, All;
 sec. 12, lots 1 to 15, inclusive;
 sec. 13, All;
 sec. 14, All;
 sec. 15, lots 1 to 4, inclusive;
 sec. 17, N $\frac{1}{2}$, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$;
 sec. 18, All;
 sec. 19, All;
 sec. 20, NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$;
 sec. 21, lots 5, 6;
 sec. 22, lots 1 to 5, inclusive, W $\frac{1}{2}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ N $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$;
 sec. 23, lots 1 to 6, inclusive, N $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$;
 sec. 24, All;
 sec. 25, All;
 sec. 26, NE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$;
 sec. 27, All;
 sec. 28, E $\frac{1}{2}$ NE $\frac{1}{4}$;
 sec. 29, NE $\frac{1}{4}$ NW $\frac{1}{4}$;
 sec. 30, lots 3 to 10, inclusive, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$;
 sec. 31, All;
 sec. 32, NE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ W $\frac{1}{2}$, N $\frac{1}{2}$ SE $\frac{1}{4}$;
 sec. 34, NE $\frac{1}{4}$;
 sec. 35, N $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ W $\frac{1}{2}$, N $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$;
 sec. 36, NE $\frac{1}{4}$, W $\frac{1}{2}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$.

T. 18 S., R. 50 E.,

sec. 1, lots 1 to 4, inclusive;
 sec. 2, lots 1, 2, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$;
 sec. 3, SW $\frac{1}{4}$ SW $\frac{1}{4}$;
 sec. 5, All;
 sec. 6, lots 1, 2, 8 to 12, inclusive, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ W $\frac{1}{2}$ SE $\frac{1}{4}$;
 sec. 7, lots 4 to 10, inclusive, S $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE;
 sec. 8, All;
 sec. 9, W $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$;
 sec. 10, E $\frac{1}{2}$;
 sec. 11, N $\frac{1}{2}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$;
 sec. 12, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$;
 sec. 13, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ W $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$;
 sec. 14, NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$;
 sec. 15, NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$;
 sec. 16, lot 2, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$;
 secs. 17 to 23, inclusive;
 sec. 24, N $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$;
 sec. 25, S $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$;
 secs. 26 to 29, inclusive;
 secs. 33 to 36, inclusive.

T. 17 S., R. 51 E.,

sec. 7, All;
 sec. 8, NW $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$, W $\frac{1}{2}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$;
 sec. 17, S $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$, SE $\frac{1}{4}$;
 secs. 18 to 20, inclusive;
 sec. 29, All;
 sec. 30, All;
 sec. 31, lots 1 to 4, inclusive, NE $\frac{1}{4}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$;
 sec. 32, lots 1 to 4, inclusive, N $\frac{1}{2}$.

T. 18 S., R. 51 E.,

sec. 5, lot 1;
 sec. 6, lots 2 to 6, inclusive, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$;
 sec. 7, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$;
 sec. 8, NW $\frac{1}{4}$;
 sec. 17, E $\frac{1}{2}$ E $\frac{1}{4}$;
 sec. 18, lots 2, 3, 4, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$;
 sec. 19, lots 1, 2, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$;
 sec. 20, All;
 sec. 29, All;
 sec. 30, lots 2 to 4, inclusive, NE $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ S $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ N $\frac{1}{2}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$, Excluding Patent 27-70-0091;
 sec. 31, All;

sec. 32, All.

5. Big Dune

Total Acreage = 1,920.00
(Nye County)
(NVN 076869)

T. 15 S., R. 48 E.,

sec. 8, S½, unsurveyed;
sec. 9, S½, unsurveyed;
sec. 16, All, unsurveyed;
sec. 17, All, unsurveyed.

6. Bird Spring

Total Acreage = 160.77
(Clark County)
(NVN 076870)

T. 24 S., R. 59 E.,

sec. 4, lots 1, 2, S½NE¼.

7. Coyote Springs Tortoise*

Approx. Total Acreage = 50,824.18
(Clark County)
(NVN 076871)

T. 13 S., R. 63 E.,

sec. 5, 700 Feet West of Right-of-Way Nev060729 (Hwy 93) Centerline to Fish & Wildlife (F&W) Management Boundary;
sec. 8, 700 Feet West of Right-of-Way Nev060729 (Hwy 93) Centerline to F&W Management Boundary;
sec. 17, 700 Feet West of Right-of-Way Nev060729 (Hwy 93) Centerline to F&W Management Boundary;
sec. 20, 700 Feet West of Right-of-Way Nev060729 (Hwy 93) Centerline and All South of Right-of-Way Nev065185 (Hwy 168) Centerline;
sec. 21, All, South of Right-of-Way Nev065185 (NV Hwy 168) Centerline;
sec. 22, All, South of Right-of-Way Nev065185 (NV Hwy 168) Centerline;
sec. 23, All, South of Right-of-Way Nev065185 (NV Hwy 168) Centerline;
sec. 26, NW¼NE¼, S½NE¼, W½, SE¼, All, South of Right-of-Way Nev065185 (NV Hwy 168) Centerline;
sec. 27, All;
sec. 28, NE¼, E½NW¼, E½SW¼, SE¼, All, East of F&W Management Boundary;
sec. 29, All, East of F&W Management Boundary;
sec. 33, NE¼, E½NW¼, E½SW¼, SE¼, All, East of F&W Management Boundary;
sec. 34, All;
sec. 35, All.

T. 13½ S., R. 63 E.,

sec. 33, NE¼, NE¼NW¼, SE¼NW¼, E½SW¼, SE¼, All, East of F&W Management Boundary, unsurveyed;
sec. 34, All, unsurveyed;
sec. 35, All, unsurveyed.

T. 14 S., R. 63.,

sec. 2, All, unsurveyed;
sec. 3, All, unsurveyed;
sec. 4, NE¼, E½NW¼, SE¼, All, East of F&W Management Boundary, unsurveyed;
sec. 9, E½, All, East of F&W Management Boundary, unsurveyed;
sec. 10, All, unsurveyed;
sec. 11, All, unsurveyed;
sec. 14, All, unsurveyed;
sec. 15, All, unsurveyed;
sec. 16, NE¼, E½SE¼, All, East of F&W Management Boundary, unsurveyed;
sec. 21, E½E½, All, East of F&W Management Boundary, unsurveyed;
sec. 22, All, unsurveyed;
sec. 23, All, unsurveyed;
sec. 26, All, unsurveyed;
sec. 27, All, unsurveyed;
sec. 28, E½NE¼, All, East of F&W Management Boundary, unsurveyed;
sec. 33, E½E½NE¼, All, East of F&W Management Boundary, unsurveyed;
sec. 34, All, unsurveyed;
sec. 35, All, unsurveyed.

T. 15 S., R. 63 E.,

sec. 2, All, unsurveyed;
sec. 3, NE¼, E½NW¼, E½SW¼, SE¼, All, East of F&W Management Boundary, unsurveyed;
sec. 4, All, East of F&W Management Boundary;
sec. 10, NE¼, E½NW¼, E½SW¼, SE¼, All, East of F&W Management Boundary, unsurveyed;

sec. 11, All, unsurveyed;
 sec. 14, All, unsurveyed;
 sec. 15, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$, All, East of F&W Management Boundary, unsurveyed;
 sec. 18, SW $\frac{1}{4}$ SW $\frac{1}{4}$, All, South of F&W Management Boundary, unsurveyed;
 sec. 19, NW $\frac{1}{4}$, S $\frac{1}{2}$, All, South of F&W Management Boundary, unsurveyed;
 sec. 20, S $\frac{1}{2}$ S $\frac{1}{2}$, All, South of F&W Management Boundary, unsurveyed;
 sec. 21, S $\frac{1}{2}$ SE $\frac{1}{4}$, All, South of F&W Management Boundary, unsurveyed;
 sec. 22, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$, All, East and South of F&W Management Boundary, unsurveyed.

secs. 27 to 34, inclusive, unsurveyed.

T. 16 S., R. 63 E.,

secs. 3 to 10, inclusive;
 secs. 15 to 22, inclusive;
 secs. 28 to 33, inclusive.

T. 17 S., R. 63 E.,

secs. 7 to 9, inclusive;
 secs. 16 to 21, inclusive;
 secs. 28 to 31, inclusive;
 sec. 32,

lots 1, 8, 9, 14, 15, 16, NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, All, West of Powerline Right-of-Way N53399 Centerline.

T. 18 S., R. 63 E.,

sec. 5,

lots 4, 8, 9, 16, 17, SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, All, West of Powerline Right-of-Way N53399 Centerline;

sec. 6,

All;

sec. 7,

All;

sec. 8,

lots 3, 5, 6, 13, 14, All, West of Powerline Right-of-Way N53399 Centerline;

sec. 17,

lots 4, 5, 12, All, West of Powerline Right-of-Way N53399 Centerline;

sec. 18,

lots 1 to 4, inclusive, 6, 7, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, All, West of Powerline Right-of-Way N53399 Centerline;

sec. 19,

lots 1 to 4, inclusive, 6, 7, 10, 11, W $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, All, West of Powerline Right-of-Way N53399 Centerline;

sec. 29,

lots 4, 22, All, West of Powerline Right-of-Way N53399 Centerline;

sec. 30,

lots 1 to 4, inclusive, 6 to 8, inclusive, W $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, All, West of Powerline Right-of-Way N53399 Centerline;

sec. 31,

lots 7, 8, 9, 15, 18, NW $\frac{1}{4}$ NE $\frac{1}{4}$, All, West of Powerline Right-of-Way N53399 Centerline.

T. 19 S., R. 63 E.,

sec. 6,

lots 9, All, West of Powerline Right-of-Way N53399 Centerline.

* The U.S. Fish and Wildlife Service Management Boundary that parallels Right-of-Way Nev060729 (Hwy 93) is 500 feet west of the right-of-way boundary, or 700 feet from centerline. This land was transferred to the U.S. Fish and Wildlife Service under P.L. 107-282.

8. Crescent Townsite

Approx. Total Acreage = 420.00
 (Clark County)
 (NVN 076872)

T. 28 S., R. 61 E.,

sec. 29,

SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, Except Mineral Entry Patents;

sec. 30,

E $\frac{1}{2}$ SE $\frac{1}{4}$;

sec. 32,

W $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$.

9. Devil's Throat

Total Acreage = 640.00
 (Clark County)
 (NVN 076874)

T. 17 S., R. 70 E.,

sec. 26,

All.

10. Gold Butte, Part A

Approx. Total Acreage = 185,670.52
 (Clark County)
 (NVN 076875)

T. 14 S., R. 69 E.,

secs. 24 to 26, inclusive;

secs. 34 to 36, inclusive.

T. 15 S., R. 69 E.,

secs. 1 to 3, inclusive,

sec. 9,

All;

sec. 10,

All;

sec. 11,

N $\frac{1}{2}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$;

sec. 12,

All;

sec. 13,

All;

sec. 14,

NE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$;

sec. 15, All;
 sec. 16, All;
 secs. 21 to 28, inclusive;
 secs. 33 to 36, inclusive.
T. 16 S., R. 69 E.
 secs. 1 to 5, inclusive;
 secs. 8 to 17, inclusive;
 sec. 18, SE $\frac{1}{4}$ SE $\frac{1}{4}$;
 sec. 19, E $\frac{1}{2}$;
 secs. 20 to 28, inclusive;
 secs. 33 to 36, inclusive.
T. 17 S., R. 69 E.
 secs. 1 to 3, inclusive;
 secs. 11 to 14, inclusive;
 sec. 24, All;
 sec. 25, All, Except Mineral Survey 4709 Patent;
 sec. 36, All, Except Mineral Surveys 4709 and 4710 Patents;
T. 18 S., R. 69 E.
 sec. 1, lots 1,2, partial lots 3, 4, S $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$, Except Mineral Survey 4710 Patent.
T. 14 S., R. 70 E.
 sec. 1, All;
 secs. 10 to 36, inclusive.
T. 15 S., R. 70 E.
 secs. 2 to 11, inclusive;
 secs. 15 to 20, inclusive;
 sec. 21, All, Except Mineral Survey 1988 Patent;
 sec. 22, All, Except Mineral Survey 1988 Patent;
 secs. 28 to 33, inclusive.
T. 16 S., R. 70 E.
 secs. 4 to 11, inclusive;
 secs. 13 to 36, inclusive.
T. 17 S., R. 70 E.
 secs. 1 to 36, inclusive.
T. 18 S., R. 70 E.
 secs. 1 to 6, inclusive, unsurveyed;
 secs. 10 to 15, inclusive, unsurveyed;
 secs. 22 to 27, inclusive, unsurveyed;
 secs. 34 to 36, inclusive, unsurveyed.
T. 13 S., R. 71 E.
 sec. 32, All;
 sec. 33, W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, All, West of Range Improvement (Fence) 0101.
T. 14 S., R. 71 E.
 sec. 4, lots 2, 3, 4, partial lot 1, SW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, All, West of Range Improvement (Fence) 0101;
 secs. 5 to 8, inclusive;
 sec. 9, W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, All, West of Range Improvement (Fence) 0101;
 sec. 10, W $\frac{1}{2}$ W $\frac{1}{2}$, All, West of Range Improvement (Fence) 0101;
 sec. 15, W $\frac{1}{2}$, All, West of Range Improvement (Fence) 0101;
 secs. 16 to 20, inclusive;
 sec. 21, N $\frac{1}{2}$, SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, All, West of Range Improvement (Fence) 0101 (and CC 022455 Pipeline);
 sec. 22, W $\frac{1}{2}$ W $\frac{1}{2}$, All, West of Range Improvement (Fence) 0101;
 sec. 28, W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$, All, West of Range Improvement (Fence) 0101 (and CC 022455 Pipeline);
 secs. 29 to 31, inclusive.
T. 16 S., R. 71 E.
 sec. 19, All;
 secs. 29 to 32, inclusive.
T. 17 S., R. 71 E.
 secs. 4 to 10, inclusive, unsurveyed;
 secs. 15 to 22, inclusive, unsurveyed;
 secs. 27 to 34, inclusive, unsurveyed.
T. 18 S., R. 71 E.
 secs. 3 to 10, inclusive, unsurveyed;
 secs. 15 to 22, inclusive, unsurveyed;
 secs. 27 to 34, inclusive, unsurveyed.
T. 19 S., R. 71 E.
 sec. 3, All, unsurveyed;

sec. 4, All, unsurveyed;
 sec. 9, All, unsurveyed;
 sec. 10, All, unsurveyed;
 sec. 15, All, unsurveyed;
 sec. 16, All, unsurveyed;
 sec. 21, All, unsurveyed;
 sec. 22, All, unsurveyed;
 sec. 27, All, unsurveyed;
 sec. 28, All, unsurveyed;
 sec. 33, All, unsurveyed;
 sec. 34, All, unsurveyed.

11. Gold Butte, Part B

Approx. Total Acreage = 122,270.42
 (Clark County)
 (NVN 076876)

T. 17 S., R. 69E.,

sec. 22, All;
 sec. 23, All;
 sec. 26, All, Except Mineral Survey 4709 Patent;
 sec. 27, All;
 sec. 34, All;
 sec. 35, All, Except Mineral Survey 4709 Patent.

T. 18 S., R. 69E.,

sec. 2, lots 1 to 4, inclusive, All, Except Mineral Survey 4709 Patent;
 sec. 3, All;
 sec. 9, All;
 sec. 10, All;
 sec. 11, All, Except Mineral Survey 4710 Patent;
 sec. 12, All, Except Mineral Survey 4710 Patent;
 sec. 13, All;
 sec. 14, All, except MS 4710 patent;
 secs. 15 to 17, inclusive;
 secs. 20 to 29, inclusive;
 secs. 32 to 36, inclusive.

T. 19 S., R. 69 E.,

sec. 1, lots 1 to 4, inclusive, All, Except Mineral Survey 4707 Patent;
 sec. 2, lots 1 to 4, inclusive, All, Except Mineral Survey 4707 Patent;
 secs. 3 to 10, inclusive;
 sec. 11, All, Except Mineral Survey 4707 Patent;
 secs. 12 to 36, inclusive.

T. 20 S., R. 69 E.,

secs. 1 to 29, inclusive;
 secs. 33 to 36, inclusive.

T. 18 S., R. 70 E.,

secs. 7 to 9, inclusive, unsurveyed;
 secs. 16 to 21, inclusive, unsurveyed;
 secs. 28 to 33, inclusive, unsurveyed.

T. 19 S., R. 70 E.,

secs. 1 to 36, inclusive, unsurveyed.

T. 20 S., R. 70 E.,

secs. 1 to 11, inclusive, unsurveyed;
 secs. 14 to 22, inclusive, unsurveyed;
 secs. 27 to 34, inclusive, unsurveyed.

T. 19 S., R. 71 E.,

secs. 5 to 8, inclusive, unsurveyed;
 secs. 17 to 20, inclusive, unsurveyed;
 secs. 29 to 32, inclusive unsurveyed.

12. Gold Butte Townsite

Total Acreage = 160.00
 (Clark County)
 (NVN 076877)

T. 19 S., R. 70 E.,

sec. 17, S½NW¼, N½SW¼, unsurveyed.

13. Hidden Valley

Total Acreage = 3,360.00
 (Clark County)
 (NVN 076878)

T. 18 S., R. 65 E.,

sec. 26, W½, unsurveyed;
 sec. 27, E½, unsurveyed;
 sec. 34, All, unsurveyed;

sec. 35, All, unsurveyed.
T. 19 S., R. 65 E.,
 sec. 2, W½, unsurveyed;
 sec. 3, All, unsurveyed;
 sec. 10, N½, unsurveyed;
 sec. 11, NW¼, unsurveyed.

14. Keyhole Canyon

Total Acreage = 240.53
 (Clark County)
 (NVN 076879)

T. 26 S., R. 63 E.,
 sec. 3, lots 6 to 8, inclusive, SW¼NE¼, S½NW¼.

15. Mormon Mesa Tortoise

Approx. Total Acreage = 146,702.28
 (Clark County)
 (NVN 076880)

T. 13 S., R. 63 E.,
 sec. 25, SW¼NW¼, S½, All, South of Right-of-Way Nev065186 (NV Hwy 168) Centerline;
 sec. 36, All.

T. 13½ S., R. 63 E.,
 sec. 36, All, unsurveyed.

T. 14 S., R. 63 E.,
 sec. 1; All, unsurveyed.

T. 13 S., R. 64 E.,
 secs. 1 to 5, inclusive, unsurveyed;
 sec. 6, E½, unsurveyed;
 sec. 7, NE¼, E½SE¼, unsurveyed;
 secs. 8 to 17, inclusive, unsurveyed;
 secs. 20 to 29, inclusive, unsurveyed;
 sec. 30, S½NE¼, S½SW¼NW¼, SE¼NW¼, S½, All, South of Right-of-Way Nev065015 (NV Hwy 168) Centerline, unsurveyed;

secs. 31 to 36, inclusive, unsurveyed.

T. 13½ S., R. 64 E.,
 secs. 31 to 35, inclusive, unsurveyed;
 sec. 36, W½NE¼, NE¼NW¼, N½NW¼NW¼, All, North of Right-of-Way Nev060130 (NV Hwy 168), Centerline, unsurveyed.

T. 14 S., R. 64 E.,
 secs. 2 to 6, inclusive, unsurveyed;
 secs. 8 to 11, inclusive, unsurveyed;
 sec. 15, All, unsurveyed;
 sec. 16, All, unsurveyed.

T. 13 S., R. 65 E.,
 sec. 1, lots 2 to 4, inclusive, SW¼NE¼, S½NW¼, SW¼, W½SE¼;
 secs. 2 to 24, inclusive;
 sec. 26, N½;
 sec. 27, N½;
 sec. 28, N½, SW¼;
 sec. 29, All;
 sec. 30, All;
 sec. 31, lots 1 to 3, inclusive, partial lot 4, NE¼, E¼NW¼, E¼SW¼, SE¼, All, North of Right-of-Way Nev060130 (NV Hwy 168) Centerline;
 sec. 32, All;
 sec. 33, W½.

T. 13 S., R. 66 E.,
 secs. 1 to 5, inclusive;
 sec. 6, lots 1 to 4, inclusive, S½NE¼, SE¼NW¼, E¼SW¼, SE¼;
 sec. 7 to 18, inclusive;
 sec. 19, lots 1 to 4, inclusive, SE¼NW¼, E¼SW¼, SW¼SE¼;
 secs. 20 to 24, inclusive.

T. 13 S., R. 67 E.,
 secs. 1 to 36, inclusive.

T. 14 S., R. 67 E.,
 secs. 1 to 5, inclusive;
 sec. 6, lots 1, 2, S½NE¼, SE¼;
 sec. 7, NE¼;
 secs. 8 to 11, inclusive;
 sec. 12, N½NE¼, SW¼NE¼, NW¼, N½SW¼, SW¼SW¼, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 13, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;

sec. 14, NW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 15, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 16, All;
 sec. 17, N $\frac{1}{2}$, SE $\frac{1}{4}$;
 sec. 20, E $\frac{1}{2}$;
 sec. 21, N $\frac{1}{2}$, SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 22, NW $\frac{1}{4}$ NW $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline.

T. 13 S., R. 68 E.,

secs. 1 to 32, inclusive;

sec. 33, N $\frac{1}{2}$, SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 34, N $\frac{1}{2}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, All, North of Right-of-Way Nev 06475 (Interstate-15) Centerline;
 sec. 35, N $\frac{1}{2}$ N $\frac{1}{2}$, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 36, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline.

T. 14 S., R. 68 E.,

sec. 4, partial lots 2, 3, 4, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 5, lots 1 to 4, inclusive, SW $\frac{1}{4}$ NW $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 6, lots 1 to 7, inclusive, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline;
 sec. 7, partial lots 1, 2, All, North of Right-of-Way Nev06475 (Interstate-15) Centerline.

T. 13 S., R. 69 E.,

secs. 1 to 24, inclusive;

sec. 25, lots 1, 3, 12, 15, partial lots 4, 6, 8, 11, 14, N $\frac{1}{2}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate 15) Centerline;
 sec. 26, lots 1, 5, 8, 10, 11, 14, partial lots 2, 4, 7, 9, 12, 15, 17, N $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ All, North of Right-of-Way Nev06475 (Interstate 15) Centerline;
 sec. 27, lots 1, 3, 5, 7, 9, partial lots 2, 4, 6, 10, 12, 16, All, North of Right-of-Way Nev06475 (Interstate 15) Centerline;
 sec. 28, lots 1, 3, 5, 8, partial lots 2, 4, 6, 9, 14, 16, N $\frac{1}{2}$ N $\frac{1}{2}$, All, North of Right-of-Way Nev06475 (Interstate 15) Centerline;
 sec. 29, lots 1, 5, 8, 11, 13, partial lots 2, 4, 7, 10, 12, 14, N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate 15) Centerline;
 sec. 30, lots 5 to 10, inclusive, 12 to 16, inclusive, 18, 20, 23, 26, partial lots 11, 17, 19, 21, 24, 27, NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate 15) Centerline;
 sec. 31, partial lots 8, 10, All, North of Right-of-Way Nev06475 (Interstate 15) Centerline.

T. 13 S., R. 70 E.,

sec. 4, SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, All, West of Boundary Line;
 sec. 5, lots 7, 8, 9, 10, partial lots 5, 6, 11, 12, S $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$, All, West of Boundary Line;
 sec. 6, All;
 sec. 7, All;
 sec. 8, All, West of Boundary Line;
 sec. 9, NW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, All, West of Boundary Line;
 sec. 17, W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, All, West of Boundary Line;
 sec. 18, All;
 sec. 19, All;
 sec. 20, W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, All, West of Boundary Line;
 sec. 29, NW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, All West of Boundary Line;
 sec. 30, lots 5, 6, 7, 9, 12, 14, 15, 16, 17, partial lots 10, 13, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, All, North of Right-of-Way Nev06475 (Interstate 15) Centerline;
 sec. 31, partial lots 9, 11, All, North of Right-of-Way Nev06475 (Interstate 15) Centerline;
 sec. 32, lots 6, 9, partial lots 3, 4, 7, 10, All North of Right-of-Way Nev06475 (Interstate 15) Centerline and Boundary Line.

* * The "Boundary Line" as denoted in the above legal descriptions for the Mormon Mesa ACEC refers to the Eastern Boundary line of the ACEC, which follows closely the edge of the Mesa and Toquop Wash. However, the line is NOT the Mesa edge, nor Toquop Wash, but follows closely between the two. The "Boundary Line" denoted for the eastern boundary edge of the ACEC is shown on the 7.5" USGS Flat Top Mesa

Topographic Map. This map is in the casefile.

16. Piute-Eldorado Tortoise
 Approx. Total Acreage = 325,271.50
 (Clark County)
 (NVN 076881)

<u>T. 28 S., R. 60 E.,</u>	
sec. 2,	All;
sec. 3,	All;
sec. 10,	All;
sec. 11,	All;
sec. 13,	W½;
secs. 14 to 17, inclusive;	
secs. 21 to 23, inclusive;	
sec. 24,	All, Except Mineral Entry Patents;
sec. 25,	N½, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
sec. 26,	lots 2-7, inclusive, 9, partial lots 8, 10, 11, SW¼NE¼, SE¼NW¼, NW¼SE¼, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
sec. 27,	All.
<u>T. 26 S., R. 61 E.,</u>	
sec. 1,	All;
sec. 2,	All;
secs. 11 to 14, inclusive;	
sec. 24,	All;
sec. 25,	All;
sec. 36,	All.
<u>T. 27 S., R. 61 E.,</u>	
sec. 1,	All;
sec. 12,	All;
sec. 13,	All;
secs. 23 to 26, inclusive;	
sec. 35,	All;
sec. 36,	All.
<u>T. 28 S., R. 61 E.,</u>	
sec. 1,	All;
sec. 2,	All;
secs. 10 to 12, inclusive;	
sec. 13,	N¼N¼N¼, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
sec. 14,	N¼N¼N¼, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
sec. 15,	N¼NE¼, SW¼NE¼, NW¼, W¼SW¼, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
sec. 16,	All;
sec. 19,	lots 3, 4, partial lots 1, 2, NE¼, E¼NW¼, E¼SW¼, SE¼, All, Except Mineral Entry Patents;
sec. 20,	N½, N¼S¼, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline and Excluding Mineral Survey 4916A Patent;
sec. 21,	All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
sec. 22,	All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
sec. 29,	All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
sec. 30,	lot 1, partial lot 2, NE¼NW¼, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline.
<u>T. 29 S., R. 61 E.,</u>	
sec. 36,	All.
<u>T. 26 S., R. 62 E.,</u>	
secs. 3 to 10, inclusive;	
secs. 15 to 20, inclusive;	
sec. 22,	E½, N¼NW¼;
secs. 23 to 26, inclusive;	
sec. 27,	NE¼;
secs. 29 to 32, inclusive;	
sec. 35,	All;
sec. 36,	All.
<u>T. 27 S., R. 62 E.,</u>	
sec. 1,	All;
secs. 5 to 8, inclusive;	
sec. 12,	All;
sec. 13,	E½;
secs. 17 to 20, inclusive;	

sec. 24, E½;
 sec. 25, E½;
 secs. 29 to 36, inclusive.
T. 28 S., R. 62 E.,
 secs. 1 to 17, inclusive;
 sec. 18, partial lots 5, 6, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
 sec. 20, All;
 sec. 21, All;
 sec. 22, N½, N½SW¼, SE¼;
 secs. 23 to 26, inclusive;
 sec. 27, NE¼, S½NW¼, S½;
 sec. 28, All;
 sec. 29, All;
 sec. 31, lot 15, partial lots 14, N½SE¼, Excluding MS 2518 Patent;
 secs. 32 to 36, inclusive.
T. 29 S., R. 62 E.,
 secs. 1 to 5, inclusive;
 sec. 6, E½;
 secs. 7 to 32, inclusive;
 sec. 33, NE¼NE¼, NW¼NW¼;
 secs. 34 to 36, inclusive.
T. 30 S., R. 62 E.,
 sec. 1, All;
 sec. 2, All;
 secs. 11 to 14, inclusive.
T. 27 S., R. 62½ E.,
 sec. 1, All, unsurveyed;
 sec. 12, All, unsurveyed;
 sec. 13, All, unsurveyed;
 sec. 24, All, unsurveyed;
 sec. 25, All, unsurveyed;
 sec. 36, All, unsurveyed.
T. 26 S., R. 63 E.,
 sec. 19, All;
 sec. 20, W½NE¼, W½, W½SE¼, All, West of Right-of-Way CC020733 (Interstate-95) Centerline and South of Powerline Right-of-Way N869 Centerline;
 sec. 21, S½S½, All, South of Powerline Right-of-Way N869 Centerline;
 sec. 22, S½S½S½, All, South of Powerline Right-of-Way N869 Centerline;
 sec. 23, All, South of Powerline Right-of-Way N869 Centerline;
 sec. 24, All, South of Powerline Right-of-Way N869 Centerline;
 sec. 25, S½N½NE¼NE, W½NE¼, SE¼NE¼, W½, SE¼, All, South of Powerline Right-of-Way N869 Centerline;
 secs. 26 to 36, inclusive.
T. 27 S., R. 63 E.,
 secs. 1 to 36, inclusive.
T. 28 S., R. 63 E.,
 secs. 1 to 8, inclusive;
 sec. 9, N½, SW¼, N½SE¼, N½SW¼SE¼, E½SW¼SW¼SE¼, SE¼SW¼SE¼, SE¼SE¼;
 sec. 10, All;
 sec. 11, All;
 sec. 12, lots 1 to 8, inclusive, N½;
 sec. 13, lots 1 to 3, inclusive, NW¼NE¼, S½NE¼, NW¼, N½SW¼, SE¼;
 sec. 14, lots 1,2, N½, SW¼, N½SE¼;
 sec. 15, lots 1, 2, N½, SW¼, N½SE¼, All, Except Mineral Entry Patents;
 secs. 16 to 20, inclusive;
 sec. 29, NE¼, N½NW¼, N½SW¼NW¼, SE¼NW¼, All, North of Right-of-Way Nev058548 (NV Hwy 164) Centerline;
 sec. 30, lots 1 to 4, inclusive, N½NE¼, E½NW¼, E½SW¼, W½SE¼, All, Except SENE that is South of Right-of-Way Nev058548 (NV Hwy 164) Centerline and Except the E½SE¼;
 sec. 31, All;
 sec. 32, W½SW¼, SE¼SW¼.
T. 29 S., R. 63 E.,
 secs. 5 to 10, inclusive;
 secs. 15 to 22, inclusive;
 sec. 23, W½NE¼NE¼, W½NE¼, W½SE¼NE¼, W½, SE¼, All, West of Right-of-Way CC020845 (Interstate-95) Centerline;

sec. 24, All, West of Right-of-Way CC020845 (Interstate-95) Centerline;
sec. 25, W½W½NW¼, W½SW¼, All, West of Right-of-Way CC020845
(Interstate-95) Centerline;

secs. 26 to 36, inclusive.
T. 30 S., R. 63 E.,
secs. 1 to 24, inclusive;
sec. 25, N¼, SW¼, N¼SE¼, SW¼SE¼, W¼SE¼SE¼;
secs. 26 to 29, inclusive;
secs. 32 to 35, inclusive;
sec. 36, S½N¼NE¼NE¼NE¼, W¼NE¼NE¼, SE¼NE¼NE¼, E¼NE¼,
SE¼NE¼, W¼, SE¼;

T. 31 S., R. 63 E.,
secs. 1 to 5, inclusive;
secs. 8 to 16, inclusive;
secs. 22 to 26, inclusive;
sec. 36, All.

T. 26 S., R. 64 E.,
sec. 29, S½N¼, S½, All, South of Powerline Right-of-Way N869 Centerline;
sec. 30, lots 2, 3, 4, partial lot 1, S½N¼NE¼, S½NE¼, S½N¼SW¼, SE¼NW¼,
E½SW¼, SE¼, All, South of Powerline Right-of-Way N869 Centerline;

secs. 31 to 33, inclusive.
T. 27 S., R. 64 E.,
secs. 4 to 9, inclusive;
secs. 16 to 23, inclusive;
sec. 25, All, Except Mineral Survey 4071 Patent;
sec. 26, All;
sec. 27, All;
sec. 28, All, Except Mineral Survey 3541 Patent;
sec. 29, All, Except Mineral Survey 3541 Patent;
sec. 30, All;
sec. 31, All;
sec. 32, All, Except Mineral Survey 3541 Patent;
sec. 33, All, Except Mineral Survey 3541 Patent;
secs. 34 to 36, inclusive.

T. 28 S., R. 64 E.,
secs. 1 to 6, inclusive;
sec. 7, lot 1, partial lots 2, 3, 4, NE¼, W½SE¼, All, Except Mineral Survey and
Mineral Entry Patents;
sec. 8, All, Except Mineral Survey 3788 Patent;
secs. 9 to 16, inclusive;
sec. 17, All, Except Mineral Surveys 3755 and 3788 Patents;
sec. 18, lots 2, 4, partial lot 1, W½NE¼, E½NW¼, E½SW¼, SE¼, All, Except
Mineral Survey and Mineral Entry Patents;

secs. 21 to 26, inclusive;
sec. 35, All;
sec. 36, All.

T. 29 S., R. 64 E.,
secs. 1 to 3, inclusive;
secs. 9 to 16, inclusive;
secs. 21 to 28, inclusive;
secs. 31 to 36, inclusive.

T. 30 S., R. 64 E.,
secs. 1 to 29, inclusive;
sec. 31, lots 3, 4, 13 to 68, inclusive, E½NE¼, E½SW¼, SE¼;
secs. 32 to 36, inclusive.

T. 31 S., R. 64 E.,
secs. 1 to 31, inclusive;
sec. 32, N¼, SW¼;
secs. 33 to 36, inclusive.

T. 32 S., R. 64 E.,
secs. 1 to 3, inclusive;
sec. 4, lots 1, 2, 5 to 24, inclusive, 34 to 47, inclusive, 59 to 82, inclusive, 84 to
128, inclusive, S½SE¼NW¼, SW¼, S½NE¼SE¼, SE¼NW¼SE¼,
E½SW¼SE¼, SE¼SE¼;
sec. 5, lots 6 to 9, inclusive, 12, 13, 15 to 22, inclusive, 25 to 29, inclusive, 32 to
37, inclusive, 40 to 45, inclusive, 47 to 78, inclusive, SW¼NE¼,
SE¼NW¼, NW¼SE¼;
sec. 6, All;
sec. 8, All;

sec. 9, lots 1, 2, 7, 8, 10 to 21, inclusive, 27 to 30, inclusive, 38 to 41, inclusive, 48, 49, 56, 63, 75 to 77, inclusive, 79 to 84, inclusive, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$;

secs. 10 to 16, inclusive;
sec. 22 to 26, inclusive;
sec. 36, All.

T. 30 S., R. 65 E.,
secs. 4 to 6, inclusive, unsurveyed;
sec. 7, All, Except Mineral Survey 3942 Patent, unsurveyed;
sec. 8, All, Except Mineral Survey 3936 and 3942 Patents, unsurveyed;
sec. 9, All, Except Mineral Survey 3936 Patent, unsurveyed;
sec. 16, All, unsurveyed;
sec. 17, All, Except Mineral Survey 3942 Patent, unsurveyed;
sec. 18, All, Except Mineral Survey 3942 Patent, unsurveyed;
secs. 19 to 21, inclusive, unsurveyed;
sec. 30, All, unsurveyed;
sec. 31, All, unsurveyed.

T. 31 S., R. 65 E.,
sec. 6, All, unsurveyed;
secs. 28 to 33, inclusive, unsurveyed.

T. 32 S., R. 65 E.,
secs. 2 to 8, inclusive;
sec. 9, N $\frac{1}{2}$, All, North of Right-of-Way CC022416 (NV Hwy 163) Centerline;
sec. 10, N $\frac{1}{2}$, All, North of Right-of-Way CC022416 (NV Hwy 163) Centerline;
sec. 11, N $\frac{1}{2}$, N $\frac{1}{2}$ N $\frac{1}{2}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, All, North of Right-of-Way CC022416 (NV Hwy 163) Centerline;
sec. 12, NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, All, North and West of Right-of-Way CC022416 (NV Hwy 163) Centerline;
secs. 17 to 20, inclusive;
secs. 29 to 32, inclusive.

T. 33 S., R. 65 E.,
sec. 5, All.

17. Rainbow Gardens

Approx. Total Acreage = 38,172.03
(Clark County)
(NVN 076882)

T. 20 S., R. 62 E.,
sec. 12, All;
sec. 13, All;
sec. 24, All;
sec. 25, All;
sec. 35, lots 1 to 4, inclusive;
sec. 36, All.

T. 21 S., R. 62 E.,
sec. 1, All;
sec. 2, lots 5, 6, 9 to 12, inclusive, 17, 18;
sec. 11, lots 1 to 6, inclusive, 11, 12;
sec. 12, All;
sec. 13, All;
sec. 14, E $\frac{1}{2}$;
sec. 23, NE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$;
sec. 24, All;
sec. 25, N $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$.

T. 20 S., R. 63 E.,
sec. 1, N $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, unsurveyed;
sec. 2, All, unsurveyed;
sec. 3, SE $\frac{1}{4}$, unsurveyed;
sec. 7, All, unsurveyed;
sec. 8, W $\frac{1}{2}$, unsurveyed;
sec. 11, All, Except Mineral Entry Patents, unsurveyed;
sec. 12, NW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, unsurveyed;
sec. 13, W $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$, unsurveyed;
secs. 14 to 34, inclusive, unsurveyed.

T. 21 S., R. 63 E.,
sec. 3, All;
sec. 4, All, Except Mineral Entry Patents;
secs. 5 to 7, inclusive;
sec. 8, All, Except Mineral Entry Patents;

sec. 9, All, Except Mineral Entry Patents;
 sec. 10, All;
 sec. 16, All, Except Mineral Entry Patents;
 sec. 17, All, Except Mineral Entry Patents;
 sec. 18, All;
 sec. 19, All;
 sec. 20, All, Except Mineral Entry Patents;
 sec. 21, N $\frac{1}{4}$, SW $\frac{1}{4}$, N $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$;
 sec. 30, lots 1, 2, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$.
T. 20 S., R. 64 E.,
 sec. 4, All;
 sec. 5, All;
 sec. 8, N $\frac{1}{2}$, SE $\frac{1}{4}$;
 sec. 9, All;
 sec. 16, All;
 sec. 19, lots 7, 8, SE $\frac{1}{4}$ SW $\frac{1}{4}$;
 sec. 20, S $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$;
 sec. 21, All;
 secs. 28 to 30, inclusive.

18. Red Rock Spring

Total Acreage = 640.00
 (Clark County)
 (NVN 076883)

T. 17 S., R. 70 E.,
 sec. 7, SE $\frac{1}{4}$;
 sec. 8, SW $\frac{1}{4}$;
 sec. 17, NW $\frac{1}{4}$;
 sec. 18, NE $\frac{1}{4}$;

19. River Mountains

Approx. Total Acreage = 10,963.31
 (Clark County)
 (NVN 076884)

T. 21 S., R. 63 E.,
 sec. 25, NE $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$, All, South of NV Hwy 147
 (Lake Mead Drive) Centerline;
 sec. 26, partial lots 5, 14, 15, 17, 24, 25, South of NV Hwy 147 (Lake Mead Drive)
 Centerline;
 sec. 35, lots 1, 6, 7, SE $\frac{1}{4}$ SE $\frac{1}{4}$;
 sec. 36, All.

T. 22 S., R. 63 E.,
 sec. 1, All;
 sec. 2, All;
 sec. 3, S $\frac{1}{2}$;
 sec. 10, NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$;
 secs. 11 to 13, inclusive;
 sec. 14, N $\frac{1}{2}$, SE $\frac{1}{4}$;
 sec. 23, E $\frac{1}{2}$;
 sec. 24, All;
 sec. 25, All;
 sec. 26, E $\frac{1}{2}$;
 sec. 36, All.

T. 22 S., R. 63 $\frac{1}{2}$ E.,
 sec. 1, All;
 sec. 12, All;
 sec. 13, All;
 sec. 24, All;
 sec. 25, All;
 sec. 36, All;

T. 23 S., R. 63 $\frac{1}{2}$ E.,
 sec. 1, lots 1 to 7, inclusive, S $\frac{1}{2}$ NE $\frac{1}{4}$.

20. Sloan Rock Art

Total Acreage = 319.88
 (Clark County)
 (NVN 076885)

T. 23 S., R. 61 E.,
 sec. 35, S $\frac{1}{2}$ S $\frac{1}{2}$.
T. 24 S., R. 61 E.,
 sec. 2, lots 1, 2, 3, 4.

21. Stump Spring

Total Acreage = 641.32
 (Clark County)

T. 22 S., R. 55 E.,
 sec. 32, S $\frac{1}{2}$;
T. 23 S., R. 55 E.,

(NVN 076886)

sec. 5,

lots 1 to 4, inclusive, S½N½.

22. Virgin Mountain (Gold Butte, Part C)

Total Acreage = 37,090.18
(Clark County)
(NVN 076887)

T. 15 S., R. 70 E.,

sec. 1, All;
secs. 12 to 14, inclusive;
secs. 23 to 27, inclusive;
secs. 34 to 36, inclusive.

T. 16 S., 70 E.,

secs. 1 to 3, inclusive;
sec. 12, All.

T. 14 S., 71 E.,

secs. 32 to 34, inclusive.

T. 15 S., 71 E.,

secs. 3 to 10, inclusive, unsurveyed;
secs. 15 to 22, inclusive, unsurveyed;
secs. 27 to 34, inclusive, unsurveyed.

T. 16 S., 71 E.,

secs. 3 to 10, inclusive;
secs. 15 to 18, inclusive;
sec. 20, All;
sec. 21, All;
sec. 22, lots 1,2, E½NW¼, NE¼SW¼;
sec. 27, lots 2, 3, 4, SE¼NW¼, E¼SW¼;
sec. 28, All;
sec. 33, All;
sec. 34, All.

T. 17 S., 71 E.,

sec. 3, All, unsurveyed.

23. Virgin River

Approx. Total Acreage = 6,312.82
(Clark County)
(NVN 076888)

T. 14 S., R. 69 E.,

sec. 11, SE¼;
sec. 12, W¼NE¼, NW¼, NW¼SW¼;
sec. 13, All Federal Land North of Gold Butte Back Country Byway Road;
sec. 14, N¼NE¼, NW¼, N¼SW¼, SE¼SW¼;
sec. 15, NE¼;
sec. 22, NE¼, S½;
sec. 23, All Federal Land North of Gold Butte Back Country Byway Road;
sec. 26, All Federal Land North of Gold Butte Back Country Byway Road;
sec. 27, All Federal Land North of Gold Butte Back Country Byway Road;
sec. 28, N¼, SW¼, S¼SE¼, All Federal Land North of Gold Butte Back Country Byway Road;
sec. 29, S½;
sec. 32, N¼, SW¼, SE¼SE¼;
sec. 33, All Federal Land North of Gold Butte Back Country Byway Road.

T. 13 S., R. 70 E.,

sec. 27, lots 8, 10, 17, 19, 20, 21, partial lots 7, 9, 11, 13, 16, 18, All, South of Right-of-Way Nev065014 (Interstate 15) Centerline;
sec. 33, lots 1, 11, 13, 15, 16, 17, partial lots 2, 4, 6, 8, 10, 12, 14, SW¼, N¼SE¼, SW¼SE¼, All, South of Right-of-Way Nev065014 (Interstate 15) Centerline;
sec. 34, lots 1 to 4, inclusive, 6, 11, NW¼NW¼, All Federal Land South of Right-of-Way Nev065014 (Interstate-15) Centerline and North of Right-of-Way Nev07490 (NV Hwy 170) Centerline.

T. 14 S., R. 70 E.,

sec. 3, partial lot 4, All, North of Right-of-Way Nev07490 (NV Hwy 170) Centerline;
sec. 4, lots 2, 3, 4, partial lot 1, S½NW¼, All, North of Right-of-Way Nev07490 (NV Hwy 170) Centerline;
sec. 5, lots 1 to 4, inclusive, S¼NE¼, S¼NW¼, SW¼, N¼SE¼, All, North of Right-of-Way Nev07490 (NV Hwy 170) Centerline;
sec. 6, lots, 1, 2, 6, 7, S¼NE¼, E¼SW¼, SE¼;
sec. 7, partial lot 2, 3, N¼NE¼, NE¼NW¼, All Federal Land North of Right-of-Way Nev07490 (NV Hwy 170) Centerline and North of Gold Butte Back Country Byway Road;
sec. 8, All, North of Right-of-Way Nev07490 (NV Hwy 170) Centerline.

* The Gold Butte Back Country Byway is an RS2477 road authorization.

24. Whitney Pocket

Total Acreage = 160.00
(Clark County)
(NVN 076889)

T. 16 S., R. 70 E.,

sec. 23, SE¼.

-----**The List of ACEC Land Descriptions is Completed.**-----

Refer to Supplement Table Which Describes Maintenance Actions that Occurred to the Legal Descriptions of the ACECs.

Refer to Supplement for ACEC's that Overlap with Designated Wilderness Areas.

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Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
9/1/1993	682248	ORANGE 284	160	SE	28	26	64
9/1/1993	682260	ORANGE 324	160	SE	32	26	64
9/1/1993	682259	ORANGE 323	160	SW	32	26	64
9/1/1993	682258	ORANGE 322	160	NE	32	26	64
9/1/1993	682257	ORANGE 321	160	NW	32	26	64
9/1/1993	682256	ORANGE 314	160	SE	31	26	64
9/1/1993	682255	ORANGE 313	160	SW	31	26	64
9/1/1993	682254	ORANGE 312	160	NE	31	26	64
9/1/1993	682253	ORANGE 311	160	NW	31	26	64
9/1/1993	682252	ORANGE 294	160	SE	29	26	64
9/1/1993	682251	ORANGE 293	160	SW	29	26	64
9/1/1993	682301	RED 342	160	NE	34	26	63
9/1/1993	682249	ORANGE 291	160	NW	29	26	64
9/1/1993	682263	Pink 211	160	NW	21	26	63
9/1/1993	682247	ORANGE 283	160	SW	28	26	64
9/1/1993	682246	ORANGE 282	160	NE	28	26	64
9/1/1993	682245	ORANGE 281	160	NW	28	26	64
9/1/1993	682244	BROWN 32	160	NE	3	27	63
9/1/1993	682243	BROWN 31	160	NW	3	27	63
9/1/1993	682242	BROWN 24	160	SE	2	27	63
9/1/1993	682241	BROWN 23	160	SW	2	27	63
9/1/1993	682240	BROWN 22	160	NE	2	27	63
9/1/1993	682239	BROWN 21	160	NW	2	27	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
9/1/1993	682238	BROWN 14	160	SE	1	27	63
9/1/1993	682237	BROWN 13	160	SW	1	27	63
9/1/1993	682250	ORANGE 292	160	NE	29	26	64
9/1/1993	682275	Purple 43	160	SW	4	27	63
9/1/1993	682300	RED 341	160	NW	34	26	63
9/1/1993	682299	RED 274	160	SE	27	26	63
9/1/1993	682298	RED 273	160	SW	27	26	63
9/1/1993	682285	Purple 82	160	NE	8	27	63
9/1/1993	682284	Purple 81	160	NW	8	27	63
9/1/1993	682283	Purple 72	160	NE	7	27	63
9/1/1993	682282	Purple 71	160	NW	7	27	63
9/1/1993	682281	Purple 64	160	SE	6	27	63
9/1/1993	682280	Purple 63	160	SW	6	27	63
9/1/1993	682279	Purple 54	160	SE	5	27	63
9/1/1993	682278	Purple 53	160	SW	5	27	63
9/1/1993	682261	Pink 202	160	NE	20	26	63
9/1/1993	682276	Purple 44	160	SE	4	27	63
9/1/1993	682262	Pink 202E	80	E1/2SE	20	26	63
9/1/1993	682274	Purple 42	160	NE	4	27	63
9/1/1993	682273	Purple 41	160	NW	4	27	63
9/1/1993	682272	Pink 332	160	NE	33	26	63
9/1/1993	682271	Pink 324	160	SE	32	26	63
9/1/1993	682270	Pink 323	160	SW	32	26	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
9/1/1993	682269	Pink 284	160	SE	28	26	63
9/1/1993	682268	Pink 282	160	NE	28	26	63
9/1/1993	682266	Pink 214	160	SE	21	26	63
9/1/1993	682148	BROWN 33	160	SW	3	27	63
9/1/1993	682264	Pink 212	160	NE	21	26	63
9/1/1993	682234	BLUE 304	160	SE	30	27	64
9/1/1993	682277	Purple 52	160	NE	5	27	63
9/1/1993	682293	RED 262	160	NE	26	26	63
9/1/1993	682236	BROWN 12	160	NE	1	27	63
9/1/1993	682206	BLACK 74	160	SE	7	27	64
9/1/1993	682205	BLACK 73	160	SW	7	27	64
9/1/1993	682204	BLACK 72	160	NE	7	27	64
9/1/1993	682203	BLACK 71	160	NW	7	27	64
9/1/1993	682202	BLACK 64	160	SE	6	27	64
9/1/1993	682201	BLACK 63	160	SW	6	27	64
9/1/1993	682200	BLACK 62	160	NE	6	27	64
9/1/1993	682199	BLACK 61	160	NW	6	27	64
9/1/1993	682297	RED 272	160	NE	27	26	63
9/1/1993	682296	RED 271	160	NW	27	26	63
9/1/1993	682208	BLACK 83	160	SW	8	27	64
9/1/1993	682294	RED 263	160	SW	26	26	63
9/1/1993	682209	BLACK 171	160	NW	17	27	64
9/1/1993	682292	RED 261	160	NW	26	26	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
9/1/1993	682291	RED 254	160	SW	25	26	63
9/1/1993	682290	RED 253	160	SE	25	26	63
9/1/1993	682289	RED 252	160	NE	25	26	63
9/1/1993	682288	RED 251	160	NW	25	26	63
9/1/1993	682287	Purple 92	160	NE	9	27	63
9/1/1993	682286	Purple 91	160	NW	9	27	63
9/1/1993	682198	BLACK 53	160	SW	5	27	64
9/1/1993	682197	BLACK 51	160	NW	5	27	64
9/1/1993	682150	BROWN 101	160	NW	10	27	63
9/1/1993	682149	BROWN 34	160	SE	3	27	63
9/1/1993	682295	RED 264	160	SE	26	26	63
9/1/1993	682221	BLUE 203	160	SW	20	27	64
9/1/1993	682267	Pink 281	160	NW	28	26	63
9/1/1993	682233	BLUE 303	160	SW	30	27	64
9/1/1993	682232	BLUE 302	160	NE	30	27	64
9/1/1993	682231	BLUE 301	160	NW	30	27	64
9/1/1993	682230	BLUE 294	160	SE	29	27	64
9/1/1993	682229	BLUE 293	160	SW	29	27	64
9/1/1993	682228	BLUE 292	160	NE	29	27	64
9/1/1993	682227	BLUE 291	160	NW	29	27	64
9/1/1993	682226	BLUE 214	160	SE	21	27	64
9/1/1993	682225	BLUE 213	160	SW	21	27	64
9/1/1993	682224	BLUE 212	160	NE	21	27	64

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
9/1/1993	682207	BLACK 81	160	NW	8	27	64
9/1/1993	682222	BLUE 204	160	SE	20	27	64
9/1/1993	682235	BROWN 11	160	NW	1	27	63
9/1/1993	682220	BLUE 202	160	NE	20	27	64
9/1/1993	682219	BLUE 201	160	NW	20	27	64
9/1/1993	682218	BLUE 194	160	SE	19	27	64
9/1/1993	682217	BLUE 193	160	SW	19	27	64
9/1/1993	682216	BLUE 192	160	NE	19	27	64
9/1/1993	682215	BLUE 191	160	NW	19	27	64
9/1/1993	682214	BLACK 184	160	SE	18	27	64
9/1/1993	682213	BLACK 183	160	SW	18	26	64
9/1/1993	682212	BLACK 182	160	NE	18	27	64
9/1/1993	682211	BLACK 181	160	NW	18	27	64
9/1/1993	682210	BLACK 173	160	SW	17	27	64
9/1/1993	682223	BLUE 211	160	NW	21	27	64
9/1/1993	682309	RED 362	160	NE	36	26	63
9/1/1993	682265	Pink 213	160	SW	21	26	63
9/1/1993	682310	RED 363	160	SW	36	26	63
9/1/1993	682302	RED 343	160	SW	34	26	63
9/1/1993	682308	RED 361	160	NW	36	26	63
9/1/1993	682307	RED 354	160	SE	35	26	63
9/1/1993	682306	RED 353	160	SW	35	26	63
9/1/1993	682305	RED 352	160	NE	35	26	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
9/1/1993	682304	RED 351	160	NW	35	26	63
9/1/1993	682303	RED 344	160	SE	34	26	63
9/1/1993	682311	RED 364	160	SE	36	26	63
9/2/1993	682193	GREEN 361	160	NW	36	27	63
9/2/1993	682171	GREEN 221	160	NW	22	27	63
9/2/1993	682172	GREEN 222	160	NE	22	27	63
9/2/1993	682196	GREEN 364	160	SE	36	27	63
9/2/1993	682195	GREEN 363	160	SW	36	27	63
9/2/1993	682194	GREEN 362	160	NE	36	27	63
9/2/1993	682192	GREEN 354	160	SE	35	27	63
9/2/1993	682191	GREEN 352	160	NE	35	27	63
9/2/1993	682159	BROWN 122	160	NE	12	27	63
9/2/1993	682189	GREEN 272	160	NE	27	27	63
9/2/1993	682167	BROWN 143	160	SW	14	27	63
9/2/1993	682188	GREEN 271	160	NW	27	27	63
9/2/1993	682190	GREEN 351	160	NW	35	27	63
9/2/1993	682160	BROWN 123	160	SW	12	27	63
9/2/1993	682170	BROWN 154	160	SE	15	27	63
9/2/1993	682169	BROWN 153	160	SW	15	27	63
9/2/1993	682168	BROWN 144	160	SE	14	27	63
9/2/1993	682187	GREEN 263	160	SW	26	27	63
9/2/1993	682162	BROWN 131	160	NW	13	27	63
9/2/1993	682183	GREEN 252	160	NE	25	27	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
9/2/1993	682166	BROWN 142	160	NE	14	27	63
9/2/1993	682165	BROWN 141	160	NW	14	27	63
9/2/1993	682164	BROWN 134	160	SE	13	27	63
9/2/1993	682163	BROWN 133	160	SW	13	27	63
9/2/1993	682173	GREEN 223	160	SW	22	27	63
9/2/1993	682161	BROWN 124	160	SE	12	27	63
9/2/1993	682155	BROWN 112	160	NE	11	27	63
9/2/1993	682312	YELLOW 11	160	NW	1	28	63
9/2/1993	682313	YELLOW 22	160	NE	2	28	63
9/2/1993	682317	Brown 151	160	NW	15	27	63
9/2/1993	682318	Brown 152	160	NE	15	27	63
9/2/1993	682174	GREEN 224	160	SE	22	27	63
9/2/1993	682314	YELLOW 122	160	NE	12	28	63
9/2/1993	682151	BROWN 102	160	NE	10	27	63
9/2/1993	682152	BROWN 103	160	SW	10	27	63
9/2/1993	682185	GREEN 254	160	SE	25	27	63
9/2/1993	682154	BROWN 111	160	NW	11	27	63
9/2/1993	682186	GREEN 261	160	NW	26	27	63
9/2/1993	682156	BROWN 113	160	SW	11	27	63
9/2/1993	682181	GREEN 244	160	SE	24	27	63
9/2/1993	682184	GREEN 253	160	SW	25	27	63
9/2/1993	682153	BROWN 104	160	SE	10	27	63
9/2/1993	682182	GREEN 251	160	NW	25	27	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
9/2/1993	682157	BROWN 114	160	SE	11	27	63
9/2/1993	682180	GREEN 243	160	SW	24	27	63
9/2/1993	682179	GREEN 242	160	NE	24	27	63
9/2/1993	682178	GREEN 241	160	NW	24	27	63
9/2/1993	682177	GREEN 234	160	SE	23	27	63
9/2/1993	682176	GREEN 233	160	SW	23	27	63
9/2/1993	682175	GREEN 232	160	NE	23	27	63
9/2/1993	682158	BROWN 121	160	NW	12	27	63
9/28/1993	682704	GREEN 231	160	NW	23	27	63
5/2/1999	804139	Purple 161	160	NW	16	27	63
5/2/1999	804150	Purple 184	160	SE	18	27	63
5/2/1999	804149	Purple 183	160	SW	18	27	63
5/2/1999	804146	Purple 174	160	SE	17	27	63
5/2/1999	804148	Purple 182	160	NE	18	27	63
5/2/1999	804147	Purple 181	160	NW	18	27	63
5/2/1999	804133	Purple 73	160	SW	7	27	63
5/2/1999	804145	Purple 173	160	SW	17	27	63
5/2/1999	804141	Purple 163	160	SW	16	27	63
5/2/1999	804102	Gray 202	160	NE	20	27	63
5/2/1999	804101	Gray 201	160	NW	20	27	63
5/2/1999	804099	Gray 191	160	NW	19	27	63
5/2/1999	804134	Purple 74	160	SE	7	27	63
5/2/1999	804135	Purple 83	160	SW	8	27	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
5/2/1999	804142	Purple 164	160	SE	16	27	63
5/2/1999	804137	Purple 93	160	SW	9	27	63
5/2/1999	804138	Purple 94	160	SE	9	27	63
5/2/1999	804140	Purple 162	160	NE	16	27	63
5/2/1999	804136	Purple 84	160	SE	8	27	63
5/2/1999	804144	Purple 172	160	NE	17	27	63
5/2/1999	804100	Gray 192	160	NE	19	27	63
5/2/1999	804143	Purple 171	160	NW	17	27	63
5/3/1999	804113	Gray 294	160	SE	29	27	63
5/3/1999	804114	Gray 331	160	NW	33	27	63
5/3/1999	804115	Gray 332	160	NE	33	27	63
5/3/1999	804116	Gray 333	160	SW	33	27	63
5/3/1999	804118	Green 273	160	SW	27	27	63
5/3/1999	804112	Gray 292	160	NE	29	27	63
5/3/1999	804120	Green 341	160	NW	34	27	63
5/3/1999	804104	Gray 211	160	NW	21	27	63
5/3/1999	804117	Gray 334	160	SE	33	27	63
5/3/1999	804111	Gray 284	160	SE	28	27	63
5/3/1999	804110	Gray 283	160	SW	28	27	63
5/3/1999	804109	Gray 282	160	NE	28	27	63
5/3/1999	804108	Gray 281	160	NW	28	27	63
5/3/1999	804107	Gray 214	160	SE	21	27	63
5/3/1999	804121	Green 342	160	NE	34	27	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
5/3/1999	804105	Gray 212	160	NE	21	27	63
5/3/1999	804175	Yellow 111	160	NW	11	28	63
5/3/1999	804103	Gray 204	160	SE	20	27	63
5/3/1999	804119	Green 274	160	SE	27	27	63
5/3/1999	804106	Gray 213	160	SW	21	27	63
5/3/1999	804168	Yellow 32	160	NE	3	28	63
5/3/1999	804132	Pink 331	160	NW	33	26	63
5/3/1999	804129	Peach 92	160	NE	9	28	63
5/3/1999	804128	Peach 44	160	SE	4	28	63
5/3/1999	804127	Peach 42	160	NE	4	28	63
5/3/1999	804123	Green 344	160	SE	34	27	63
5/3/1999	804163	Yellow 13	160	SW	1	28	63
5/3/1999	804164	Yellow 21	160	NW	2	28	63
5/3/1999	804165	Yellow 23	160	SW	2	28	63
5/3/1999	804177	Yellow 113	160	SW	11	28	63
5/3/1999	804167	Yellow 31	160	NW	3	28	63
5/3/1999	804122	Green 343	160	SW	34	27	63
5/3/1999	804169	Yellow 33	160	SW	3	28	63
5/3/1999	804170	Yellow 34	160	SE	3	28	63
5/3/1999	804171	Yellow 101	160	NW	10	28	63
5/3/1999	804172	Yellow 102	160	NE	10	28	63
5/3/1999	804173	Yellow 103	160	SW	10	28	63
5/3/1999	804174	Yellow 104	160	SE	10	28	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
5/3/1999	804176	Yellow 112	160	NE	11	28	63
5/3/1999	804178	Yellow 114	160	SE	11	28	63
5/3/1999	804179	Yellow 121	160	NW	12	28	63
5/3/1999	804180	Yellow 123	160	SW	12	28	63
5/3/1999	804166	Yellow 24	160	SE	2	28	63
5/4/1999	804152	Red 222	160	NE	22	26	63
5/4/1999	804130	Pink 311	160	NW	31	26	63
5/4/1999	804090	Blue 321	160	NW	32	27	64
5/4/1999	804091	Blue 322	160	NE	32	27	64
5/4/1999	804092	Blue 323	160	SW	32	27	64
5/4/1999	804093	Blue 324	160	SE	32	27	64
5/4/1999	804094	Gold 51	160	NW	5	28	64
5/4/1999	804095	Gold 62	160	NE	6	28	64
5/4/1999	804096	Gold 63	160	SW	6	28	64
5/4/1999	804162	Red 244	160	SE	24	26	63
5/4/1999	804097	Gold 64	160	SE	6	28	64
5/4/1999	804098	Gold 72	160	NE	7	28	64
5/4/1999	804154	Red 224	160	SE	22	26	63
5/4/1999	804126	Orange 193	160	SW	19	26	64
5/4/1999	804181	Yellow 124	160	SE	12	28	63
5/4/1999	804131	Pink 312	160	NE	31	26	63
5/4/1999	804151	Red 221	160	NW	22	26	63
5/4/1999	804153	Red 223	160	SW	22	26	63

Mining Claim List, by Location Date, Showing Legal Description and Size

<i>Date of Location</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Acres:</i>	<i>Aliquot Part:</i>	<i>Section:</i>	<i>Township: South</i>	<i>Range: East</i>
5/4/1999	804155	Red 231	160	NW	23	26	63
5/4/1999	804156	Red 232	160	NE	23	26	63
5/4/1999	804157	Red 233	160	SW	23	26	63
5/4/1999	804158	Red 234	160	SE	23	26	63
5/4/1999	804159	Red 241	160	NW	24	26	63
5/4/1999	804160	Red 242	160	NE	24	26	63
5/4/1999	804161	Red 243	160	SW	24	26	63
5/4/1999	804125	Orange 191	160	NW	19	26	64

Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Cactus Gold Corporation	682148	BROWN 33	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682149	BROWN 34	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682150	BROWN 101	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682151	BROWN 102	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682152	BROWN 103	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682153	BROWN 104	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682154	BROWN 111	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682155	BROWN 112	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682156	BROWN 113	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682157	BROWN 114	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682158	BROWN 121	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682159	BROWN 122	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682160	BROWN 123	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682162	BROWN 131	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682165	BROWN 141	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682166	BROWN 142	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682167	BROWN 143	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682168	BROWN 144	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682169	BROWN 153	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682170	BROWN 154	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682219	BLUE 201	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682220	BLUE 202	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682221	BLUE 203	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682222	BLUE 204	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682223	BLUE 211	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682224	BLUE 212	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682225	BLUE 213	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682226	BLUE 214	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682227	BLUE 291	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682228	BLUE 292	9/1/1993	Kathleen M Stephen

Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Cactus Gold Corporation	682229	BLUE 293	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682230	BLUE 294	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682232	BLUE 302	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682234	BLUE 304	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682235	BROWN 11	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682236	BROWN 12	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682237	BROWN 13	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682238	BROWN 14	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682239	BROWN 21	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682240	BROWN 22	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682241	BROWN 23	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682242	BROWN 24	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682243	BROWN 31	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682244	BROWN 32	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682245	ORANGE 281	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682246	ORANGE 282	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682247	ORANGE 283	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682248	ORANGE 284	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682249	ORANGE 291	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682250	ORANGE 292	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682251	ORANGE 293	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682252	ORANGE 294	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682253	ORANGE 311	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682254	ORANGE 312	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682255	ORANGE 313	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682256	ORANGE 314	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682257	ORANGE 321	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682258	ORANGE 322	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682259	ORANGE 323	9/1/1993	Kathleen M Stephen
Cactus Gold Corporation	682260	ORANGE 324	9/1/1993	Kathleen M Stephen

Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Cactus Gold Corporation	682261	Pink 202	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682262	Pink 202E	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682263	Pink 211	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682264	Pink 212	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682265	Pink 213	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682266	Pink 214	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682267	Pink 281	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682268	Pink 282	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682269	Pink 284	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682270	Pink 323	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682271	Pink 324	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682272	Pink 332	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682273	Purple 41	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682274	Purple 42	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682275	Purple 43	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682276	Purple 44	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682277	Purple 52	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682278	Purple 53	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682279	Purple 54	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682280	Purple 63	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682281	Purple 64	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682282	Purple 71	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682283	Purple 72	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682284	Purple 81	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682285	Purple 82	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682286	Purple 91	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682287	Purple 92	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682288	RED 251	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682289	RED 252	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682290	RED 253	9/1/1993	Donald J. Hales

Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Cactus Gold Corporation	682291	RED 254	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682292	RED 261	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682293	RED 262	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682294	RED 263	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682295	RED 264	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682296	RED 271	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682297	RED 272	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682298	RED 273	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682299	RED 274	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682300	RED 341	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682301	RED 342	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682302	RED 343	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682303	RED 344	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682304	RED 351	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682305	RED 352	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682306	RED 353	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682307	RED 354	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682308	RED 361	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682309	RED 362	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682310	RED 363	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682311	RED 364	9/1/1993	Donald J. Hales
Cactus Gold Corporation	682314	YELLOW 122	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682317	Brown 151	9/2/1993	Donald J. Hales
Cactus Gold Corporation	682318	Brown 152	9/2/1993	Donald J. Hales
Cactus Gold Corporation	804090	Blue 321	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804091	Blue 322	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804092	Blue 323	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804093	Blue 324	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804094	Gold 51	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804095	Gold 62	5/4/1999	Andrew L. Dall

Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Cactus Gold Corporation	804096	Gold 63	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804097	Gold 64	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804098	Gold 72	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804099	Gray 191	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804100	Gray 192	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804101	Gray 201	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804102	Gray 202	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804103	Gray 204	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804104	Gray 211	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804105	Gray 212	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804106	Gray 213	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804107	Gray 214	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804108	Gray 281	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804109	Gray 282	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804110	Gray 283	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804111	Gray 284	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804112	Gray 292	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804113	Gray 294	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804114	Gray 331	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804115	Gray 332	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804116	Gray 333	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804117	Gray 334	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804118	Green 273	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804119	Green 274	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804120	Green 341	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804121	Green 342	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804122	Green 343	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804123	Green 344	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804125	Orange 191	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804126	Orange 193	5/4/1999	Andrew L. Dall

Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Cactus Gold Corporation	804127	Peach 42	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804128	Peach 44	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804129	Peach 92	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804130	Pink 311	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804131	Pink 312	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804132	Pink 331	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804133	Purple 73	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804134	Purple 74	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804135	Purple 83	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804136	Purple 84	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804137	Purple 93	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804138	Purple 94	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804139	Purple 161	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804140	Purple 162	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804141	Purple 163	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804142	Purple 164	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804143	Purple 171	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804144	Purple 172	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804145	Purple 173	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804146	Purple 174	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804147	Purple 181	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804148	Purple 182	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804149	Purple 183	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804150	Purple 184	5/2/1999	Andrew L. Dall
Cactus Gold Corporation	804151	Red 221	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804152	Red 222	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804153	Red 223	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804154	Red 224	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804155	Red 231	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804156	Red 232	5/4/1999	Andrew L. Dall

Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Cactus Gold Corporation	804157	Red 233	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804158	Red 234	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804159	Red 241	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804160	Red 242	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804161	Red 243	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804162	Red 244	5/4/1999	Andrew L. Dall
Cactus Gold Corporation	804163	Yellow 13	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804164	Yellow 21	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804165	Yellow 23	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804166	Yellow 24	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804167	Yellow 31	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804168	Yellow 32	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804169	Yellow 33	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804170	Yellow 34	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804171	Yellow 101	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804172	Yellow 102	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804173	Yellow 103	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804174	Yellow 104	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804175	Yellow 111	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804176	Yellow 112	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804177	Yellow 113	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804178	Yellow 114	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804179	Yellow 121	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804180	Yellow 123	5/3/1999	Andrew L. Dall
Cactus Gold Corporation	804181	Yellow 124	5/4/1999	Andrew L. Dall
Valley Gold Corporation	682161	BROWN 124	9/2/1993	Donald J. Hales
Valley Gold Corporation	682163	BROWN 133	9/2/1993	Donald J. Hales
Valley Gold Corporation	682164	BROWN 134	9/2/1993	Donald J. Hales
Valley Gold Corporation	682171	GREEN 221	9/2/1993	Donald J. Hales
Valley Gold Corporation	682172	GREEN 222	9/2/1993	Donald J. Hales

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Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Valley Gold Corporation	682173	GREEN 223	9/2/1993	Donald J. Hales
Valley Gold Corporation	682174	GREEN 224	9/2/1993	Donald J. Hales
Valley Gold Corporation	682175	GREEN 232	9/2/1993	Donald J. Hales
Valley Gold Corporation	682176	GREEN 233	9/2/1993	Donald J. Hales
Valley Gold Corporation	682177	GREEN 234	9/2/1993	Donald J. Hales
Valley Gold Corporation	682178	GREEN 241	9/2/1993	Donald J. Hales
Valley Gold Corporation	682179	GREEN 242	9/2/1993	Donald J. Hales
Valley Gold Corporation	682180	GREEN 243	9/2/1993	Donald J. Hales
Valley Gold Corporation	682181	GREEN 244	9/2/1993	Donald J. Hales
Valley Gold Corporation	682182	GREEN 251	9/2/1993	Donald J. Hales
Valley Gold Corporation	682183	GREEN 252	9/2/1993	Donald J. Hales
Valley Gold Corporation	682184	GREEN 253	9/2/1993	Donald J. Hales
Valley Gold Corporation	682185	GREEN 254	9/2/1993	Donald J. Hales
Valley Gold Corporation	682186	GREEN 261	9/2/1993	Donald J. Hales
Valley Gold Corporation	682187	GREEN 263	9/2/1993	Donald J. Hales
Valley Gold Corporation	682188	GREEN 271	9/2/1993	Donald J. Hales
Valley Gold Corporation	682189	GREEN 272	9/2/1993	Donald J. Hales
Valley Gold Corporation	682190	GREEN 351	9/2/1993	Donald J. Hales
Valley Gold Corporation	682191	GREEN 352	9/2/1993	Donald J. Hales
Valley Gold Corporation	682192	GREEN 354	9/2/1993	Donald J. Hales
Valley Gold Corporation	682193	GREEN 361	9/2/1993	Donald J. Hales
Valley Gold Corporation	682194	GREEN 362	9/2/1993	Donald J. Hales
Valley Gold Corporation	682195	GREEN 363	9/2/1993	Donald J. Hales
Valley Gold Corporation	682196	GREEN 364	9/2/1993	Donald J. Hales
Valley Gold Corporation	682197	BLACK 51	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682198	BLACK 53	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682199	BLACK 61	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682200	BLACK 62	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682201	BLACK 63	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682202	BLACK 64	9/1/1993	Kathleen M Stephen

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Mining Claim List, by Recordation Number, Showing Locating Agent and Present Corporate Claimant

<i>Current Claimant:</i>	<i>BLM NMC No.</i>	<i>Claim Name</i>	<i>Date of Location</i>	<i>Agent Name</i>
Valley Gold Corporation	682203	BLACK 71	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682204	BLACK 72	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682205	BLACK 73	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682206	BLACK 74	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682207	BLACK 81	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682208	BLACK 83	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682209	BLACK 171	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682210	BLACK 173	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682211	BLACK 181	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682212	BLACK 182	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682213	BLACK 183	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682214	BLACK 184	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682215	BLUE 191	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682216	BLUE 192	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682217	BLUE 193	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682218	BLUE 194	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682231	BLUE 301	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682233	BLUE 303	9/1/1993	Kathleen M Stephen
Valley Gold Corporation	682312	YELLOW 11	9/2/1993	Donald J. Hales
Valley Gold Corporation	682313	YELLOW 22	9/2/1993	Donald J. Hales
Valley Gold Corporation	682704	GREEN 231	9/28/1993	Kathleen M Stephen

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NAME: BROADWAY ENTERPRISES, INC.

FILE TYP/NR C 9127-1993 ST NEVADA INC ON JUL 29, 1993 FOR PERPETUAL
STATUS: PERMANENTLY REVOKED : 05-01-03 NUMBER OF PAGES FILED: 1 D M
TYPE: REGULAR 04-01-98
PURPOSE: ALL LEGAL ACTIVITIES

CAPITAL:
PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 25,000
RA NBR: 47653

LIST OF OFFICERS FOR 96 - 97 FILED ON 08-23-96

RA	JAMES T. ROE III				D M
	2245 N. GREEN VALLEY PARKWAY	HENDERSON	ACCEPTED	NV 89014	072993
PRES	JAMES T. ROE, III				093093
	2245 N. GREEN VALLEY PKWY	HENDERSON		NV 89014	
SECT	JAMES T. ROE, III				093093
	2245 N. GREEN VALLEY PKWY	HENDERSON		NV 89014	
TRES	JAMES T. ROE, III				093093
	2245 N. GREEN VALLEY PKWY	HENDERSON		NV 89014	

MORE OFFICERS ON LIST

CMD?
PA1=MENU PF3=PAGE-> PF5=END INQ

4- 1 Sess-1 10.131.152.1 TP02SX0A 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

Articles of Incorporation

(PURSUANT TO NRS 78)
STATE OF NEVADA

Filing (inc)
Receipt #:

FILING FEE \$125.00T.N.
RECEIPT #C-85510
IAN MATHESON
2215 LUCERNE CIRCLE
HENDERSON, NV. 89014



STATE OF NEVADA
Secretary of State

(For filing office use)

JUL 29 1993

9127-93

CHEVYL A. LEE SECRETARY OF STATE

Called
FOR FILING OFFICE USE

**IMPORTANT: Read instructions on reverse side before completing this form.
TYPE OR PRINT (BLACK INK ONLY)**

1. NAME OF CORPORATION: BROADWAY ENTERPRISES, INC

2. RESIDENT AGENT: (designated resident agent and his STREET ADDRESS in Nevada where process may be served)

Name of Resident Agent: JAMES T. ROE III

Street Address: 2245 N. GREEN VALLEY PARKWAY, HENDERSON, NV 89014
Street No. Street Name City Zip

3. SHARES: (number of shares the corporation is authorized to issue)
Number of shares with par value: 0 Par value: _____ Number of shares without par value: 25,000

4. GOVERNING BOARD: shall be styled as (check one): Directors _____ Trustees _____

The FIRST BOARD OF DIRECTORS shall consist of 1 members and the names and addresses are as follows:

JAMES T. ROE III 2245 N GREEN VALLEY PARKWAY
Name Address City/State/Zip
HENDERSON, NV 89014

PURPOSE (optional - see reverse side): The purpose of the corporation shall be:
TO ENGAGE IN ALL LAWFULL ACTIVITIES.

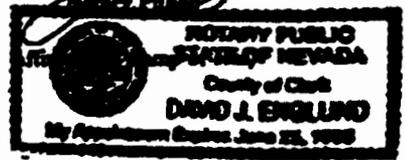
6. PERSONAL LIABILITY (pursuant to NRS 78.037): Check one Accept _____ Decline (if you choose accept see 6(a))

7. OTHER MATTERS: Any other matters to be included in these articles may be noted on separate pages and incorporated by reference herein as a part of these articles: Number of pages attached 0

8. SIGNATURES OF INCORPORATORS: The names and addresses of each of the incorporators signing the articles: (signatures must be collected)

JAMES T. ROE III _____
Name (print) Name (print)
2245 N. GREEN VALLEY PARKWAY _____
Address Address
HENDERSON, NV 89014 _____
City/State/Zip City/State/Zip

Signature
Subscribed and sworn to before me this 27 day of
July 1993
David J. England



9. CERTIFICATE OF ACCEPTANCE OF APPOINTMENT OF RESIDENT AGENT
JAMES T. ROE III hereby accept appointment as Resident Agent for the above named corporation.

James T. Roe III
Signature of Resident Agent
7/27/93 Date

SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

BROADWAY ENTERPRISES, INC.

9127-93

A NEVADA

CORPORATION.

FOR THE FILING PERIOD

7/93

TO

7/94

The Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

JAMES T. ROE III
2245 N. GREEN VALLEY PARKWAY
HENDERSON, NV. 89014

Resident Agency & Principal Place of Business — Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY

FILED (DATE)

FILED
SEP 30 1993
93-94 PAID \$85.00
SECRETARY OF STATE

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

RECEIVED
9:30
SEP 27 1993
SECRETARY OF STATE

- Names and mailing addresses for all officers and directors. A President, Secretary, Treasurer and Directors must be named.
- An officer's signature at the bottom of this form.
- Returned ALL COPIES of this form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form isn't filed within 60 days from the date of incorporation.
- Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope.
- If you have changed the resident agent or principal place of business, please contact our office for the proper forms to make the change before filing this 60 day list.

FILING FEE: \$85.00 LATE PENALTY: \$15.00

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION

SECRETARY OF STATE
Capitol Complex
Carson City, NV 89710

NAME JAMES T. ROE, III	TITLE(S) PRESIDENT
PO BOX 301	STREET ADDRESS 2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
NAME JAMES T. ROE, III	TITLE(S) SECRETARY
PO BOX 301	STREET ADDRESS 2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
NAME JAMES T. ROE, III	TITLE(S) TREASURER
PO BOX 301	STREET ADDRESS 2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
NAME JAMES T. ROE, III	TITLE(S) DIRECTOR
PO BOX 301	STREET ADDRESS 2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
NAME	TITLE(S) DIRECTOR
PO BOX	STREET ADDRESS CITY ST ZIP
NAME	TITLE(S) DIRECTOR
PO BOX	STREET ADDRESS CITY ST ZIP

Signature of officer

James T. Roe III

Title(s)

PRESIDENT

Date

9/24/93

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

BROADWAY ENTERPRISES, INC.

A NEVADA CORPORATION INCORPORATED ON JUL 29, 1993.

9127-93

THIS LIST IS FOR THE PERIOD JUL 1994 TO 1995. DUE BY JUL 31, 1994

FILED

THE CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF NO PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS CAN BE SERVED IS:

FOR OFFICE USE ONLY
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

JAMES T. ROE III
2245 N. GREEN VALLEY PARKWAY
HENDERSON NV 89014

Do not change information in this area before reading #5 below.

AUG 17 1994

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NEVADA 89710

Call

INSTRUCTIONS - PLEASE READ INSTRUCTIONS BEFORE RETURNING THIS FORM TO AVOID DELAYS, RETURNS AND LATE FEES.

1. Include names and mailing addresses for ALL OFFICERS AND DIRECTORS. A PRESIDENT, SECRETARY, TREASURER AND DIRECTORS MUST BE NAMED.
2. Return the complete form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the deadline listed at the top of this form.
3. AN OFFICER'S SIGNATURE IS NEEDED AT THE BOTTOM OF THIS FORM.
4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
5. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
6. Sign your check and have it made payable to the Secretary of State - if you need a receipt, please enclose a self-addressed stamped envelope.
7. RETURN THIS FORM TO: SECRETARY OF STATE, CAPITOL COMPLEX, CARSON CITY, NV 89710 (702) 687-5106.

NAME	TITLE(S)			
JAMES T. ROE, III	PRESIDENT			
P.O. BOX	STREET ADDRESS	CITY	ST.	ZIP
PO BOX 301	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014

NAME	TITLE(S)			
JAMES T. ROE, III	SECRETARY			
P.O. BOX	STREET ADDRESS	CITY	ST.	ZIP
PO BOX 301	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014

NAME	TITLE(S)			
JAMES T. ROE, III	TREASURER			
P.O. BOX	STREET ADDRESS	CITY	ST.	ZIP
PO BOX 301	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014

NAME	TITLE(S)			
JAMES T. ROE, III	DIRECTOR			
P.O. BOX	STREET ADDRESS	CITY	ST.	ZIP
	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014

NAME	TITLE(S)			
	DIRECTOR			
P.O. BOX	STREET ADDRESS	CITY	ST.	ZIP

NAME	TITLE(S)			
	DIRECTOR			
P.O. BOX	STREET ADDRESS	CITY	ST.	ZIP

RECEIVED
AUG 11 1994

Secretary of State

SIGNATURE OF OFFICER	TITLE(S)			
<i>James T. Roe, III</i>	PRESIDENT			

8/11/94
6/27/94

C9127-

BROADWAY ENTERPRISES, INC.

is Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

JAMES T. ROE, III
2245 N. GREEN VALLEY PARKWAY
HENDERSON, NV 89014

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **FORM WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710. (702) 687-5105

FILING FEE: \$85.00

LATE PENALTY: \$15.00

FOR OFFICE USE ONLY

FILED (DATE)
 1995-96 = \$100
 1996-97 = \$100
 REINST. = \$50

FILED
 IN THE OFFICE OF THE
 SECRETARY OF STATE OF THE
 STATE OF NEVADA

AUG 23 1996 PM

NAME: **JAMES T. ROE, III** TITLE(S): **PRESIDENT**

P.O. BOX: _____ STREET ADDRESS: **2245 N. GREEN VALLEY PKWY** CITY: **HENDERSON** ST: **NV** ZIP: **89014**

NAME: **SAME AS ABOVE** TITLE(S): **SECRETARY**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: **SAME AS ABOVE** TITLE(S): **TREASURER**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: **SAME AS ABOVE** TITLE(S): **DIRECTOR**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: _____ TITLE(S): **DIRECTOR**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: _____ TITLE(S): **DIRECTOR**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

RECEIVED
 AUG 23 1996

I hereby certify this annual list.

X Signature of officer *James T. Roe, III*

PRESIDENT
 Title(s)

8/23/96
 Date

STATE OF NEVADA
SECRETARY OF STATE

CERTIFICATE OF REINSTATEMENT

I, DEAN HELLER, the duly elected Secretary of State of the State of Nevada, do hereby certify that _____

BROADWAY ENTERPRISES, INC.

_____ a corporation formed under the laws of the State of NEVADA having paid all filing fees, licenses, penalties and costs, in accordance with the provisions of Title 7 of the Nevada Revised Statutes, as amended, for the years and in the amounts as follows:

1995-96 LIST OF OFFICERS AND PENALTY.....	\$100
1996-97 " " " " " "	\$100
REINSTATEMENT FEE	\$50

and otherwise complied with the provisions of said section, the said corporation has been reinstated, and that by virtue of such reinstatement it is authorized to transact its business in the same manner as if the aforesaid filing fees, licenses, penalties and costs had been paid when due.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office in Carson City, Nevada, this TWENTY-THIRD day of AUGUST, A.D., 1996

Dean Heller

Secretary of State

By *[Signature]*

Deputy

NAME: CAMEL INC.

FILE TYP/NR C 9124-1993 ST NEVADA INC ON JUL 29, 1993 FOR PERPETUAL
STATUS: PERMANENTLY REVOKED : 05-01-03 NUMBER OF PAGES FILED: 1 D M
TYPE: REGULAR 04-01-98
PURPOSE: ALL LEGAL ACTIVITIES

CAPITAL:
PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 25,000
RA NBR: 47653

LIST OF OFFICERS FOR 96 - 97 FILED ON 08-23-96 D M
RA JAMES T. ROE III ACCEPTED 072993
2245 N. GREEN VALLEY PARKWAY HENDERSON NV 89014
PRES JAMES T. ROE, III 093093
2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
SECT JAMES T. ROE, III 093093
2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
TRES JAMES T. ROE, III 093093
2245 N. GREEN VALLEY PKWY HENDERSON NV 89014

MORE OFFICERS ON LIST

CMD?
PA1=MENU PF3=PAGE-> PF5=END INQ
4- 1 Sess-1 10.131.152.1 TP02SX0A 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

Articles of Incorporation

(PURSUANT TO NRS 78)
STATE OF NEVADA

Filing fee:
Receipt #:

FILING FEE \$125.00T.N.
RECEIPT #C- 85507
IAN MATHESON
2215 LUCERNE CIRCLE
HENDERSON, NV. 89014



STATE OF NEVADA
Secretary of State

JUL 29 1993

9124-93

CHEVYL A. LAW SECRETARY OF STATE

Chevy
(For filing office use)

(For filing office use)

**IMPORTANT: Read instructions on reverse side before completing this form.
TYPE OR PRINT (BLACK INK ONLY)**

1. NAME OF CORPORATION: CAMEL INC
2. RESIDENT AGENT: (designated resident agent and his STREET ADDRESS in Nevada where process may be served)

Name of Resident Agent: JAMES T. ROE III
Street Address: 2245 N. GREEN VALLEY PARKWAY, HENDERSON, NV 89014
Street No. Street Name City Zip

3. SHARES: (number of shares the corporation is authorized to issue)
Number of shares with par value: 0 Par value: _____ Number of shares without par value: 25,000

4. GOVERNING BOARD: shall be styled as (check one): Directors Trustees
The FIRST BOARD OF DIRECTORS shall consist of 1 members and the names and addresses are as follows:
JAMES T. ROE III 2245 N GREEN VALLEY PARKWAY
Name Address City/State/Zip
HENDERSON, NV 89014
Name Address City/State/Zip

5. PURPOSE (optional- see reverse side): The purpose of the corporation shall be:
TO ENGAGE IN ALL LAWFULL ACTIVITIES

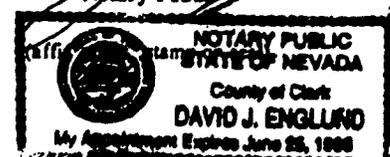
6. PERSONAL LIABILITY (pursuant to NRS 78.037): Check one: Accept Decline (if you chose accept see 6(a))

7. OTHER MATTERS: Any other matters to be included in these articles may be noted on separate pages and incorporated by reference herein as a part of these articles: Number of pages attached 0

8. SIGNATURES OF INCORPORATORS: The names and addresses of each of the incorporators signing the articles: (signatures must be notarized):

JAMES T. ROE III
Name (print)
2245 N. GREEN VALLEY PARKWAY
Address HENDERSON, NV 89014 City/State/Zip
James T. Roe III
Signature
Name (print)
Address City/State/Zip
Signature

Name (print)
Address City/State/Zip
Signature
Subscribed and sworn to before me this 27 day of
July, 1993
David J. Englund
Notary Public



9. CERTIFICATE OF ACCEPTANCE OF APPOINTMENT OF RESIDENT AGENT
I, _____ hereby accept appointment as Resident Agent for the above named corporation.

Signature of Resident Agent _____ Date JUL 29 1993

SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

CAMEL INC.

9124-93

NEVADA

CORPORATION.

FOR THE FILING PERIOD

7/93

TO

7/94

The Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

JAMES T. ROE III
2245 N. GREEN VALLEY PARKWAY
HENDERSON, NV. 89014

Resident Agency & Principal Place of Business - Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY
FILED (DATE)
93-94 PAID \$85.00
SEP 30 1993

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

- 1. Names and mailing addresses for all officers and directors. A President, Secretary, Treasurer and Directors must be named.
2. An officer's signature at the bottom of this form.
3. Returned ALL COPIES of this form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form isn't filed within 60 days from the date of incorporation.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope.
5. If you have changed the resident agent or principal place of business, please contact our office for the proper forms to make the change before filing this 60 day list.

FILING FEE: \$85.00 LATE PENALTY: \$15.00

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION

NAME: JAMES T. ROE, III TITLE(S): PRESIDENT
P.O. BOX: 301 STREET ADDRESS: 2245 N. GREEN VALLEY PKWY HENDERSON NV ZIP: 89014

NAME: JAMES T. ROE, III TITLE(S): SECRETARY
P.O. BOX: 301 STREET ADDRESS: 2245 N. GREEN VALLEY PKWY HENDERSON NV ZIP: 89014

NAME: JAMES T. ROE, III TITLE(S): TREASURER
P.O. BOX: 301 STREET ADDRESS: 2245 N. GREEN VALLEY PKWY HENDERSON NV ZIP: 89014

NAME: JAMES T. ROE, III TITLE(S): DIRECTOR
P.O. BOX: 301 STREET ADDRESS: 2245 N. GREEN VALLEY PKWY HENDERSON NV ZIP: 89014

NAME: TITLE(S): DIRECTOR
P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

NAME: TITLE(S): DIRECTOR
P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

Signature of officer James T. Roe III

Title(s) PRESIDENT Date 9/24/93

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

CAMEL INC.

9124-9

A NEVADA CORPORATION INCORPORATED ON JUL 29, 1993.

THIS LIST IS FOR THE PERIOD JUL 1994 TO 1995. DUE BY JUL 31, 1994

THE CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF THE PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS CAN BE SERVED IS:

JAMES T. ROE III
2245 N. GREEN VALLEY PARKWAY
HENDERSON NV 89014

Do not change information in this area before reading #5 below.

FILED
FOR OFFICE USE ONLY
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA
AUG 12 1994

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NEVADA

CHEMILA LAY SECRETARY OF STATE
Chemila Lay

INSTRUCTIONS - PLEASE READ INSTRUCTIONS BEFORE RETURNING THIS FORM TO AVOID DELAYS, RETURNS AND LATE FEES.

1. Include names and mailing addresses of ALL OFFICERS AND DIRECTORS. A PRESIDENT, SECRETARY, TREASURER AND DIRECTORS MUST BE NAMED.
2. Return the complete form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the deadline listed at the top of this form.
3. AN OFFICER'S SIGNATURE IS NEEDED AT THE BOTTOM OF THIS FORM.
4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
5. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
6. Sign your check and have it made payable to the Secretary of State - if you need a receipt, please enclose a self-addressed stamped envelope.
7. RETURN THIS FORM TO: SECRETARY OF STATE, CAPITOL COMPLEX, CARSON CITY, NV 89710 (702) 687-5105.

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
JAMES T. ROE, III	PRESIDENT	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
JAMES T. ROE, III	SECRETARY	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
JAMES T. ROE, III	TREASURER	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
JAMES T. ROE, III	DIRECTOR	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
	DIRECTOR				

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
	DIRECTOR				

James T. Roe III

PRESIDENT

8/11/94
James T. Roe III

X SIGNATURE OF OFFICER

Title(s)

Date

JULY 96 to JULY 97

The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

JAMES T. ROE, III
2245 N. GREEN VALLEY PARKWAY
HENDERSON, NV 89014

FOR OFFICE USE ONLY

FILED (DATE)

1995-96	100.00
1996-97	100.00
Reinstate	50.00
	<u>250.00</u>

IN THE OFFICE OF THE
bmc SECRETARY OF STATE OF THE
STATE OF NEVADA

AUG 23 1996 *DN*

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capito' Complex, Carson City, NV 89710. (702) 687-5155

FILING FEE: \$85.00

LATE PENALTY: \$15.00

NAME: JAMES T. ROE, III TITLE(S): PRESIDENT

P.O. BOX: STREET ADDRESS: 2245 N. GREEN VALLEY PKWY CITY: HENDERSON ST: NV ZIP: 89014

NAME: SAME AS ABOVE TITLE(S): SECRETARY

P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

NAME: SAME AS ABOVE TITLE(S): TREASURER

P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

NAME: SAME AS ABOVE TITLE(S): DIRECTOR

P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

NAME: TITLE(S): DIRECTOR

P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

AUG 23 1996

NAME: TITLE(S): DIRECTOR

Secretary of State

P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

I hereby certify that the above is:

Signature of officer: *James T. Roe, III*

PRESIDENT
Title(s)

8/23/96
Date

STATE OF NEVADA
SECRETARY OF STATE

CERTIFICATE OF REINSTATEMENT

I, DEAN HELLER, the duly elected Secretary of State of the State of Nevada, do hereby certify that.....

CAMEL INC.

a corporation formed under the laws of the State of NEVADA having paid all filing fees, licenses, penalties and costs, in accordance with the provisions of Title 7 of the Nevada Revised Statutes, as amended, for the years and in the amounts as follows:

1995-96 LIST OF OFFICERS AND PENALTY.....	\$100
1996-97 " " " "	\$100
REINSTATEMENT FEE	\$50

and otherwise complied with the provisions of said section, the said corporation has been reinstated and that by virtue of such reinstatement it is authorized to transact its business in the same manner as .. the aforesaid filing fees, licenses, penalties and costs had been paid when due.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office in Carson City, Nevada, this TWENTY-THIRD day of AUGUST, A.D., 1996.

Dean Heller
Secretary of State

By *Michael*
Deputy

NAME: CRESCENT CORPORATION

FILE TYP/NR C 9129-1993 ST NEVADA INC ON JUL 29, 1993 FOR PERPETUAL
STATUS: PERMANENTLY REVOKED : 05-01-03 NUMBER OF PAGES FILED: 1 D M
TYPE: REGULAR 04-01-98
PURPOSE: ALL LEGAL ACTIVITIES

CAPITAL:
PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 25,000
RA NBR: 47653

LIST OF OFFICERS FOR 96 - 97 FILED ON 08-23-96			D M
RA	JAMES T. ROE III		ACCEPTED 072993
	2245 N. GREEN VALLEY PARKWAY	HENDERSON	NV 89014
PRES	JAMES T. ROE, III		093093
	2245 N. GREEN VALLEY PKWY	HENDERSON	NV 89014
SECT	JAMES T. ROE, III		093093
	2245 N. GREEN VALLEY PKWY	HENDERSON	NV 89014
TRES	JAMES T. ROE, III		093093
	2245 N. GREEN VALLEY PKWY	HENDERSON	NV 89014

MORE OFFICERS ON LIST

CMD?
PA1=MENU PF3=PAGE-> PF5=END INQ

4- 1 Sess-1 10.131.152.1 TP02SX0A 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

Articles of Incorporation
(PURSUANT TO NRS 78)
STATE OF NEVADA

Filing fee:
Receipt #:

FILING FEE \$125.00T.N.
RECEIPT #C-85512
IAN MATHESON
2215 LACERNE CIRCLE
HENDERSON, NV. 89014

JUL 29 1993

9139-93

CHERYL A. LAU SECRETARY OF STATE

Cheryl Lau



STATE OF NEVADA
Secretary of State

(For filing office use)

No. **IMPORTANT: Read instructions on reverse side before completing this form.**
TYPE OR PRINT (BLACK INK ONLY)

1. NAME OF CORPORATION: CRESCENT CORPORATION
2. RESIDENT AGENT: (designated resident agent and his STREET ADDRESS in Nevada where process may be served)

Name of Resident Agent: JAMES T. ROE III
Street Address: 2245 N GREEN VALLEY PARKWAY, HENDERSON, NV 89014
Street No. Street Name City Zip

3. SHARES: (number of shares the corporation is authorized to issue)
Number of shares with par value: 0 Par value: Number of shares without par value: 25,000

4. GOVERNING BOARD: shall be styled as (check one): Directors Trustees
The FIRST BOARD OF DIRECTORS shall consist of 1 members and the names and addresses are as follows:
Name JAMES T. ROE III Address 2245 N GREEN VALLEY PARKWAY City/State/Zip HENDERSON, NV 89014
Name Address City/State/Zip
Name Address City/State/Zip

PURPOSE (optional- see reverse side): The purpose of the corporation shall be:
TO ENGAGE IN ALL LAWFUL ACTIVITIES.

6. PERSONAL LIABILITY (pursuant to NRS 78.037): Check one: Accept Decline (if you chose accept see 6(a))

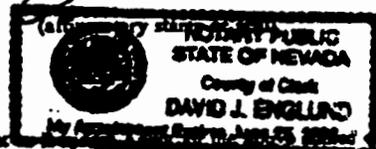
7. OTHER MATTERS: Any other matters to be included in these articles may be noted on separate pages and incorporated by reference herein as a part of these articles: Number of pages attached 0

8. SIGNATURES OF INCORPORATORS: The names and addresses of each of the incorporators signing the articles: (signatures must be notarized)

Name (print) JAMES T. ROE III Name (print)
Address 2245 N GREEN VALLEY PARKWAY Address City/State/Zip
HENDERSON, NV 89014 City/State/Zip
Signature *[Signature]* Signature
Subscribed and sworn to before me this 27 day of July, 1993.
[Signature] Notary Public

9. CERTIFICATE OF ACCEPTANCE OF APPOINTMENT OF RESIDENT AGENT

JAMES T. ROE III hereby accept appointment as resident agent of Crescent Corporation.
Signature of Resident Agent *[Signature]* Date



SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF
CRESCENT CORPORATION

FILE NUMBER
9129-93

A NEVADA CORPORATION. FOR THE FILING PERIOD 7/93 TO 7/94

The Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

JAMES T. ROE III
2245 N. GREEN VALLEY PARKWAY
HENDERSON, NV. 89014

Resident Agency & Principal Place of Business — Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY

FILED (DATE) **FILED**

PAID \$85.00 SEP 30 1993

ORIGINAL LAW
SECRETARY OF STATE

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

- Names and mailing addresses for all officers and directors. A President, Secretary, Treasurer and Directors must be named.
- An officer's signature at the bottom of this form.
- Returned ALL COPIES of this form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form isn't filed within 60 days from the date of incorporation.
- Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope.
- If you have changed the resident agent or principal place of business, please contact our office for the proper forms to make the change before filing this 60 day list.

FILING FEE: \$85.00 LATE PENALTY: \$15.00

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION

RECEIVED
SEP 27 1993
SECRETARY OF STATE
Capitol Complex
Carson City, NV 89710

NAME JAMES T. ROE, III	TITLE(S) PRESIDENT
P.O. BOX 301	STREET ADDRESS: 2245 N. GREEN VALLEY PKY HENDERSON NV ZIP 89014
NAME JAMES T. ROE, III	TITLE(S) SECRETARY
P.O. BOX 301	STREET ADDRESS: 2245 N. GREEN VALLEY PKY HENDERSON NV ZIP 89014
NAME JAMES T. ROE, III	TITLE(S) TREASURER
P.O. BOX 301	STREET ADDRESS: 2245 N. GREEN VALLEY PKY HENDERSON NV ZIP 89014
NAME JAMES T. ROE, III	TITLE(S) DIRECTOR
P.O. BOX 301	STREET ADDRESS: 2245 N. GREEN VALLEY PKY HENDERSON NV ZIP 89014
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS CITY ST ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS CITY ST ZIP

Signature of officer *James T. Roe III*

Title(s) **PRESIDENT** Date **9/24/93**

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER
C 9129-1993

CRESCENT CORPORATION

JULY 96 to JULY 97

The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

JAMES T. ROE, III
2245 N. GREEN VALLEY PARKWAY
HENDERSON, NV 89014

FOR OFFICE USE ONLY

FILED (DATE)

1995-96	100.00
1996-97	100.00
Reinstate	50.00
Total	250.00

IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

AUG 23 1996 AM

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710. (702) 687-5105

FILING FEE: \$85.00

LATE PENALTY: \$15.00

NAME: **JAMES T. ROE, III** TITLE(S): **PRESIDENT**

P.O. BOX: _____ STREET ADDRESS: **2245 N. GREEN VALLEY PKWY HENDERSON** CITY: **HENDERSON** ST: **NV** ZIP: **89014**

NAME: **SAME AS ABOVE** TITLE(S): **SECRETARY**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: **SAME AS ABOVE** TITLE(S): **TREASURER**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: **SAME AS ABOVE** TITLE(S): **DIRECTOR**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: _____ TITLE(S): **DIRECTOR**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: _____ TITLE(S): **DIRECTOR**

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

Signature of officer: *James T. Roe, III*

PRESIDENT
Title(s)

8/23/96
Date

STATE OF NEVADA
SECRETARY OF STATE

CERTIFICATE OF REINSTATEMENT

I, DEAN HELLER, the duly elected Secretary of State of the State of Nevada, do hereby certify that.....

CRESCENT CORPORATION

.....
a corporation formed under the laws of the State of NEVADA having paid all filing fees, licenses, penalties and costs, in accordance with the provisions of Title 7 of the Nevada Revised Statutes, as amended, for the years and in the amounts as follows:

1995-96 LIST OF OFFICERS AND PENALTY....	\$100
1996-97 " " " "	\$100
REINSTATEMENT FEE	\$50

and otherwise complied with the provisions of said section, the said corporation has been reinstated, and that by virtue of such reinstatement it is authorized to transact its business in the same manner as if the aforesaid filing fees, licenses, penalties and costs had been paid when due.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office in Carson City, Nevada, this TWENTY-THIRD day of AUGUST, A.D., 19 96.

Dean Heller
Secretary of State

By *Michaela*
Deputy

NAME: CARLWOOD DEVELOPMENT CORP.

FILE TYP/NR C 009123-1993 ST NEVADA INC ON JUL 29, 1993 FOR PERPETUAL
STATUS: PERMANENTLY REVOKED : 05-01-03 NUMBER OF PAGES FILED: 1 D M
TYPE: REGULAR 04-01-98
PURPOSE: ALL LEGAL ACTIVITIES

CAPITAL:
PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 25,000
RA NBR: 47653

LIST OF OFFICERS FOR 96 - 97 FILED ON 08-23-96 D M
RA JAMES T. ROE III ACCEPTED 072993
2245 N. GREEN VALLEY PARKWAY HENDERSON NV 89014
PRES JAMES T. ROE, III 093093
2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
SECT JAMES T. ROE, III 093093
2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
TRES JAMES T. ROE, III 093093
2245 N. GREEN VALLEY PKWY HENDERSON NV 89014

MORE OFFICERS ON LIST

CMD?
PA1=MENU PF3=PAGE-> PF5=END INQ
4- 1 Sess-1 10.131.152.1 TP02SX0A 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

Articles of Incorporation
(PURSUANT TO NRS 78)
STATE OF NEVADA

Filing fee:
Receipt #:
FILING FEE \$125.00T.N.
RECEIPT #C-85506
IAN MATHESON
2215 LUCERNE CIRCLE
HENDERSON, NV. 89014

JUL 29 1993
9123-93
CHERYL A. LAM, SECRETARY OF STATE



STATE OF NEVADA
Secretary of State

(For filing office use)

No.

**IMPORTANT: Read instructions on reverse side before completing this form.
TYPE OR PRINT (BLACK INK ONLY)**

- 1. NAME OF CORPORATION: CARLWOOD DEVELOPMENT CORP.
- 2. RESIDENT AGENT: (designated resident agent and his STREET ADDRESS in Nevada where process may be served)

Name of Resident Agent: JAMES T. ROE III
 Street Address: 2245 N. GREEN VALLEY PARKWAY, HENDERSON, NV, 89014
Street No. Street Name City Zip

- 3. SHARES: (number of shares the corporation is authorized to issue)
 Number of shares with par value: 0 Par value: — Number of shares without par value: 25,000

- 4. GOVERNING BOARD: shall be styled as (check one): Directors Trustees
 The FIRST BOARD OF DIRECTORS shall consist of 1 members and the names and addresses are as follows:
JAMES T. ROE III
Name Address City/State/Zip
2245 N. GREEN VALLEY PARKWAY
Name Address City/State/Zip
HENDERSON, NV 89014
Name Address City/State/Zip

PURPOSE (optional— see reverse side): The purpose of the corporation shall be:
TO ENGAGE IN ALL LAWFULL ACTIVITIES

- 6. PERSONAL LIABILITY (pursuant to NRS 78.037): Check one: Accept Decline (if you chose accept see 6(a))
- 7. OTHER MATTERS: Any other matters to be included in these articles may be noted on separate pages and incorporated by reference herein a part of these articles: Number of pages attached 0.
- 8. SIGNATURES OF INCORPORATORS: The names and addresses of each of the incorporators signing the articles: (signatures must be certain)

JAMES T. ROE III
Name (print) Name (print)
2245 N. GREEN VALLEY PARKWAY
Address Address City/State/Zip City/State/Zip
HENDERSON, NV 89014
Signature Signature
 Subscribed and sworn to before me this 27th day of July, 1993.
Donald Bower
Signature



- 9. CERTIFICATE OF ACCEPTANCE OF APPOINTMENT OF RESIDENT AGENT
JAMES T. ROE III hereby accept appointment as Resident Agent for the above named corporation.
James T. Roe III
Signature of Resident Agent
7/27/93
Date

SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

CARLWOOD DEVELOPMENT CORP.

9123-93

A. NEVADA

CORPORATION.

FOR THE FILING PERIOD 7/93

TO 7/94

The Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

**JAMES T. ROE III
2245 N. GREEN VALLEY PARKWAY
HENDERSON, NV. 89014**

Resident Agency & Principal Place of Business — Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY

FILED (DATE)

FILED

SEP 30 1993

93-94 PAID \$85.00

SECRETARY OF STATE

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

- Names and mailing addresses for all officers and directors. A President, Secretary, Treasurer and Directors must be named.
- An officer's signature at the bottom of this form.
- Returned ALL COPIES of this form with the \$85.00 filing fee. A late penalty must be added if this form isn't filed within 60 days from the date of incorporation.
- Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope.
- If you have changed the resident agent or principal place of business, please contact our office for the proper forms to file before filing this 60 day list.

FILING FEE: \$85.00 LATE PENALTY: \$15.00

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION

NAME	JAMES T. ROE, III	TITLE(S)	PRESIDENT
P.O. BOX	301	STREET ADDRESS	2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
NAME	JAMES T. ROE, III	TITLE(S)	SECRETARY
P.O. BOX	301	STREET ADDRESS	2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
NAME	JAMES T. ROE, III	TITLE(S)	TREASURER
P.O. BOX	301	STREET ADDRESS	2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
NAME	JAMES T. ROE, III	TITLE(S)	DIRECTOR
P.O. BOX	301	STREET ADDRESS	2245 N. GREEN VALLEY PKWY HENDERSON NV 89014
NAME		TITLE(S)	DIRECTOR
P.O. BOX		STREET ADDRESS	CITY ST ZIP
NAME		TITLE(S)	DIRECTOR
P.O. BOX		STREET ADDRESS	CITY ST ZIP

Signature of officer

James T. Roe III

Title(s)

PRESIDENT

Date

9/24/93

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

CARLWOOD DEVELOPMENT CORP.

A NEVADA CORPORATION INCORPORATED ON JUL 29, 1993.

THIS LIST IS FOR THE PERIOD JUL 1994 TO 1995. DUE BY JUL 31, 1994.

THE CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF SAID PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS CAN BE SERVED IS

JAMES T. ROE III
2245 N. GREEN VALLEY PARKWAY
HENDERSON NV 89014

Do not change information in this area before reading #5 below.

9123-9

FILED

FOR OFFICE USE ONLY OFFICE OF THE SECRETARY OF STATE OF THE STATE OF NEVADA

FILED (Date)

AUG 12 1994

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NV 89710

CHERYL A. LAU SECRETARY OF STATE

INSTRUCTIONS - PLEASE READ INSTRUCTIONS BEFORE RETURNING THIS FORM TO AVOID DELAYS, RETURNS AND LATE FEES

1. Include names and mailing addresses for ALL OFFICERS AND DIRECTORS. A PRESIDENT, SECRETARY, TREASURER AND DIRECTORS MUST BE NAMED.
2. Return the complete form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the deadline listed at the top of this form.
3. AN OFFICER'S SIGNATURE IS NEEDED AT THE BOTTOM OF THIS FORM.
4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
5. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
6. Sign your check and have it made payable to the Secretary of State - if you need a receipt, please enclose a self-addressed stamped envelope.
7. RETURN THIS FORM TO: SECRETARY OF STATE, CAPITOL COMPLEX, CARSON CITY, NV 89710 (702) 687-5105.

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
JAMES T. ROE, III P.O. BOX	PRESIDENT	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014
JAMES T. ROE, III P.O. BOX	SECRETARY	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014
JAMES T. ROE, III P.O. BOX	TREASURER	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014
JAMES T. ROE, III P.O. BOX	DIRECTOR	2245 N. GREEN VALLEY PKWY	HENDERSON	NV	89014
	DIRECTOR				
	DIRECTOR				

RECEIVED

AUG 12 1994

Secretary of State

James T. Roe III

PRESIDENT

8/11/94

X SIGNATURE OF OFFICER

Title(s)

Date

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

C9123-

Carlwood Development Corp.

The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

JAMES T. ROE, III
 2245 N. GREEN VALLEY PARKWAY
 HENDERSON, NV 89014

FOR OFFICE USE ONLY

FILED (DATE)

1995-96 = \$100

1996-97 = \$100

REINST. = \$50

FILED

IN THE OFFICE OF THE
 SECRETARY OF STATE OF THE
 STATE OF NEVADA

AUG 23 1996 DM

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710 (702) 687-5105

FILING FEE: \$85.00

LATE PENALTY: \$15.00

NAME: JAMES T. ROE, III TITLE(S): PRESIDENT

P.O. BOX: _____ STREET ADDRESS: 2245 N. GREEN VALLEY PKWY CITY: HENDERSON ST: NV ZIP: 89014

NAME: SAME AS ABOVE TITLE(S): SECRETARY

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: SAME AS ABOVE TITLE(S): TREASURER

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: SAME AS ABOVE TITLE(S): DIRECTOR

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: _____ TITLE(S): DIRECTOR

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

NAME: _____ TITLE(S): DIRECTOR

P.O. BOX: _____ STREET ADDRESS: _____ CITY: _____ ST: _____ ZIP: _____

RECEIVED

AUG 23 1996

SECRETARY OF STATE

Resident Agent: *James T. Roe, III*

PRESIDENT
 Title(s)

8/23/96
 Date

STATE OF NEVADA
SECRETARY OF STATE

CERTIFICATE OF REINSTATEMENT

I, DEAN HELLER, the duly elected Secretary of State of the State of Nevada, do hereby certify that _____

CARLWOOD DEVELOPMENT CORP.

a corporation formed under the laws of the State of NEVADA having paid all filing fees, licenses, penalties and costs, in accordance with the provisions of Title 7 of the Nevada Revised Statutes, as amended, for the years and in the amounts as follows:

1995-96 LIST OF OFFICERS AND PENALTY....	\$100
1996-97 " " " "	\$100
REINSTATEMENT FEE	\$50

and otherwise complied with the provisions of said section the said corporation has been reinstated, and that by virtue of such reinstatement it is authorized to transact its business in the same manner as if the aforesaid filing fees, licenses, penalties and costs had been paid when due.

IN WITNESS WHEREOF, I have hereunto set my hand and

affixed the Great Seal of State, at my office in Carson

City, Nevada, this TWENTY-THIRD day of

AUGUST, A.D., 1996

Dean Heller
Secretary of State

B. *[Signature]*
Deputy



NAME: GEOSEARCH INC.

FILE TYP/NR C 9126-1993 ST NEVADA INC ON JUL 29, 1993 FOR PERPETUAL
STATUS: CURRENT LIST AS OF : 08-07-03 NUMBER OF PAGES FILED: 1 KDK
TYPE: REGULAR
PURPOSE: ALL LEGAL ACTIVITIES

PAR SHRS: CAPITAL:
PAR VAL: \$.000 NR NO PAR SHRS: 25,000
RA NBR: 17321

	LIST OF OFFICERS FOR 03 - 04 FILED ON 08-07-03	ANNUAL LO	DAM
RA	ROBERT D. MCDUGAL SUITE 420	ACCEPTED	073100
	100 WEST GROVE ST RENO	NV 89509	
PRES	CAROL J. AGER		090993
	100 W GROVE ST STE 420 RENO	NV 89509	
SECT	CAROL J. AGER		090993
	100 W GROVE ST STE 420 RENO	NV 89509	
TRES	CAROL J. AGER		090993
	100 W GROVE ST STE 420 RENO	NV 89509	

CMD?
PA1=MENU PF3=PAGE-> PF5=END INQ

4- 1 Sess-1 10.131.152.1 TP02SX0A 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

Articles of Incorporation

(PURSUANT TO NRS 78)
STATE OF NEVADA

Filing fee:
Receipt #:

FILING FEE \$125.00T.N.
RECEIPT #C-85509
IAN MATHESON
2215 LUCERNE CIRCLE
HENDERSON, NV. 89014



STATE OF NEVADA
Secretary of State

(For filing office use)

JUL 29 1993

9126-93
CHRIS A. LAM, SECRETARY OF STATE
For filing office use

IMPORTANT: Read instructions on reverse side before completing this form.
TYPE OR PRINT (BLACK INK ONLY)

1. NAME OF CORPORATION: GEOSEARCH INC

2. RESIDENT AGENT: (designated resident agent and his STREET ADDRESS in Nevada where process may be served)

Name of Resident Agent: K. IAN MATHESON

Street Address: 2215 LUCERNE CIRCLE, HENDERSON, NV 89015
Street No. Street Name City Zip

3. SHARES: (number of shares the corporation is authorized to issue)
Number of shares with par value: 0 Par value: — Number of shares without par value: 25,000

4. GOVERNING BOARD: shall be styled as (check one): Directors Trustees

The FIRST BOARD OF DIRECTORS shall consist of 1 members and the names and addresses are as follows:

Name CAROL J. AGER Address 15423 34 AVE, SURREY, B.C. City/State/Zip CANADA VAP 2J9

Name _____ Address _____ City/State/Zip _____

Name _____ Address _____ City/State/Zip _____

5. PURPOSE (optional— see reverse side): The purpose of the corporation shall be:
TO ENGAGE IN ALL ACTIVITIES LAWFULL.

6. PERSONAL LIABILITY (pursuant to NRS 78.037): Check one: Accept Decline (if you chose accept see 6(a))

7. OTHER MATTERS: Any other matters to be included in these articles may be noted on separate pages and incorporated by reference herein as a part of these articles: Number of pages attached 0

8. SIGNATURES OF INCORPORATORS: The names and addresses of each of the incorporators signing the articles: (signatures must be notarized)

Name (print) CAROL J. AGER

Address 15423 34 AVE, SURREY, B.C. CANADA VAP 2J9 City/State/Zip

Signature x Carol J. Ager

Name (print) _____

Address _____ City/State/Zip _____

Signature _____

Name (print) _____

Address CANADA VAP 2J9 City/State/Zip

Signature _____

Subscribed and sworn to before me this 27 day of

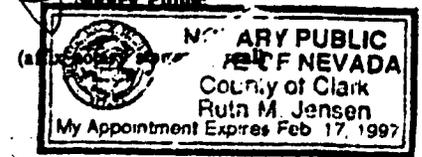
July, 1993.

Ruth M. Jensen
Notary Public

9. CERTIFICATE OF ACCEPTANCE OF APPOINTMENT OF RESIDENT AGENT

1. K. IAN MATHESON hereby accept appointment as Resident Agent for the above named corporation.

Signature of Resident Agent [Signature] Date JUL 28 1993 JULY 27, 1993



SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF
GEOSARCH INC.

FILE NUMBER
 9126-93

A NEVADA CORPORATION. FOR THE FILING PERIOD 7/93 TO 7/94

The Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

KENNETHIAN MATHESON
 2215 LUCERNE DR.
 HENDERSON, NV. 89014

Resident Agency & Principal Place of Business — Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY
 FILED (DATE) _____
 93-94 PAID \$85.00
 SEP 08 1993
 COUNTY CLERK
 CLERK OF COURTS

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

- Names and mailing addresses for all officers and directors. A President, Secretary, Treasurer and Directors must be named.
- An officer's signature at the bottom of this form.
- Returned ALL COPIES of this form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form isn't filed within 60 days from the date of incorporation.
- Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed envelope.
- If you have changed the resident agent or principal place of business, please contact our office for the proper forms to make the change before filing this 60 day list.

RECEIVED
 SEP 07 1993
 Secretary of State

FILING FEE: \$85.00 LATE PENALTY: \$15.00

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION

SECRETARY OF STATE
 Capitol Complex
 Carson City, NV 89710

NAME CAROL J. AGER	TITLE(S) PRESIDENT
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR HENDERSON ST 89014
NAME CHARLES A AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR HENDERSON ST 89014
NAME CHARLES A AGER	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR HENDERSON ST 89014
NAME CAROL J. AGER	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR HENDERSON ST 89014
NAME CHARLES A. AGER	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR HENDERSON ST 89014
NAME	TITLE(S) DIRECTOR CH # 1660 IMP.
P.O. BOX	STREET ADDRESS CITY ST ZIP

Charles Ager
 Signature of officer

Title(s) **SEC/TRE.** Date **APR 19/93**

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER
9126-93
REPRINTED
08/02/94

GEOSearch INC.

A NEVADA CORPORATION. INCORPORATED ON JUL 29, 1993.
THIS LIST IS FOR THE PERIOD JUL 1994 TO 1995

THE CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF SAID PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS CAN BE SERVED IS:

KENNETH IAN MATHESON
2215 LUCERNE CIRCLE
HENDERSON NV 89014

Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY

FILED (Date)

AUG 18 1994
94-95 100.00
94-95 PAID \$100.00

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NV. 89710

INSTRUCTIONS - PLEASE READ INSTRUCTIONS BEFORE RETURNING THIS FORM TO AVOID DELAYS AND LATE FEES.

1. Include names and mailing addresses for ALL OFFICERS AND DIRECTORS. A PRESIDENT, SECRETARY, TREASURER AND DIRECTORS MUST BE NAMED.
2. Return the complete form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the date listed at the top of this form.
3. AN OFFICER'S SIGNATURE IS NEEDED AT THE BOTTOM OF THIS FORM.
4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
5. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
6. Sign your check and have it made payable to the Secretary of State - if you need a receipt, please enclose a self-addressed stamped envelope.
7. RETURN THIS FORM TO: SECRETARY OF STATE, CAPITOL COMPLEX, CARSON CITY, NV 89710 (702) 687-5105.

NAME CAROL J. AGER P O BOX	TITLE(S) PRESIDENT	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME CHARLES A. AGER P O BOX	TITLE(S) SECRETARY	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME CHARLES A. AGER P O BOX	TITLE(S) TREASURER	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME P O BOX	TITLE(S) DIRECTOR	STREET ADDRESS 	CITY 	ST 	ZIP
NAME P O BOX	TITLE(S) DIRECTOR	STREET ADDRESS 	CITY 	ST 	ZIP
NAME P O BOX	TITLE(S) DIRECTOR	STREET ADDRESS 	CITY 	ST 	ZIP

SIGNATURE OF OFFICER

Title(s)

Res. Agent Date *Aug 15 94*

**OFFICERS, DIRECTORS AND AGENTS OF
GEOSSEARCH INC.**

FILE NUMBER

9126-93

A NEVADA CORPORATION INCORPORATED ON JUL 29, 1993.
THIS LIST IS FOR THE PERIOD JUL 1995 TO 1996. DUE BY JUL 31, 1995.

The Corporation's duly appointed Resident Agent in the
State of Nevada upon whom process can be served is:

RAM 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

95-96 PAID \$85.00

JUL 28 1995

RECEIVED

JUL 28 1995

Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF
RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been prepared. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City NV 89710 (702) 687-5105

FILING FEE: \$85.00

LATE PENALTY: \$15.00

NAME	TITLE(S)		
CAROL J. AGER	PRESIDENT		
P.O. BOX	STREET ADDRESS	CITY	ST ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME	TITLE(S)		
CHARLES A. AGER	SECRETARY		
P.O. BOX	STREET ADDRESS	CITY	ST ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME	TITLE(S)		
CHARLES A. AGER	TREASURER		
P.O. BOX	STREET ADDRESS	CITY	ST ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST ZIP
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST ZIP
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST ZIP

I hereby certify this annual list

X Signature of officer *Cliff*

Title(s) *Sec*

Date *July 1995*

GEOSSEARCH INC.

9125-19

FOR THE PERIOD JUL 1996 TO 1997. DUE BY JUL 31, 1996.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46486

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

FILED
JUN 18 1996
DEAN KELLEY
SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form and an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710. (702) 687-5105

FILING FEE: \$85.00

PENALTY: \$15.00

NAME CAROL J. AGER	TITLE(S) PRESIDENT
PO BOX	
STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON
	ST NV
	ZIP 89014

NAME CHARLES A. AGER	TITLE(S) SECRETARY
PO BOX	
STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON
	ST NV
	ZIP 89014

NAME CHARLES A. AGER	TITLE(S) TREASURER
PO BOX	
STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON
	ST NV
	ZIP 89014

NAME	TITLE(S) DIRECTOR
PO BOX	
STREET ADDRESS	CITY
	ST
	ZIP

NAME	TITLE(S) DIRECTOR
PO BOX	
STREET ADDRESS	CITY
	ST
	ZIP

hereby certify this annual list.

Signature of Officer

Carol J. Ager

Date

June 27/96

GEOSSEARCH INC.

9126-1993

FOR THE PERIOD JUL 1997 TO 1998. DUE BY JUL 31, 1997.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FOR OFFICE USE ONLY
FILED (DATE)

FILED
JUL 11 1997
Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. LI information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 80 days before its due date shall be deemed an ar list for the previous year.
4. Make your check payable to the Secretary of State. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of the completed an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710 (702) 687-5203

FILING FEE: \$85.00 PENALTY: \$15.00

NAME CAROL J. AGER PO BOX	TITLE(S) PRESIDENT	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME CHARLES A. AGER PO BOX	TITLE(S) SECRETARY	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME CHARLES A. AGER PO BOX	TITLE(S) TREASURER	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME PO BOX	TITLE(S) DIRECTOR	STREET ADDRESS	CITY	ST	ZIP
NAME PO BOX	TITLE(S) DIRECTOR	STREET ADDRESS	CITY	ST	ZIP

I hereby certify this annual list

Signature of Officer

Date

June 16, 97

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF

FILE NUM

GEOSEARCH INC.

9126-1993

FOR THE PERIOD JUL 1998 TO 1999. DUE BY JUL 31, 1998.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FILED JF

JUL 21 1998

Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4798. (702) 687-5203.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME	TITLE(S)
CAROL J. AGER	PRESIDENT
P.O. BOX	STREET ADDRESS
	2215 LUCERNE CIR
	CITY
	HENDERSON
	ST.
	NV
	ZIP
	89014
NAME	TITLE(S)
CHARLES A. AGER	SECRETARY
P.O. BOX	STREET ADDRESS
	2215 LUCERNE CIR
	CITY
	HENDERSON
	ST.
	NV
	ZIP
	89014
NAME	TITLE(S)
CHARLES A. AGER	TREASURER
P.O. BOX	STREET ADDRESS
	2215 LUCERNE CIR
	CITY
	HENDERSON
	ST.
	NV
	ZIP
	89014
NAME	TITLE(S)
	DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP
NAME	TITLE(S)
	DIRECTOR
P.O. BOX	STREET ADDRESS

Appendix 13 Page 8 of 14 pages
Corporate Data: Geosearch, Inc.

I hereby certify this annual list.

Signature of Officer

Date

June 27/98

GEOSEARCH INC.

9126-1993

FOR THE PERIOD JUL 1999 TO 2000. DUE BY JUL 31, 1999.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON

**2215 LUCERNE CIR
HENDERSON NV 89014**

**FILED
JUL 31 1999**

*Dean Heller
Secretary of State*

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an annual list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4788. (775) 684-6708.

FILING FEE: \$85.00 PENALTY: \$15.00

NAME		TITLE(S)	
CAROL J. AGER		PRESIDENT	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
CHARLES A. AGER		SECRETARY	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
CHARLES A. AGER		TREASURER	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
		DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME		TITLE(S)	
		DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

I hereby certify this annual list.

X Signature of Officer *Charles Ager*

Date *JUL 24 / 99*

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

GEOSEARCH INC.

FILE NUMBER

9126-15

FOR THE PERIOD JUL 2000 TO 2001. DUE BY JUL 31, 2000.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

FILED

JUL 31 2000

Clara F. Brown
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

- 1 Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
- 2 If there are additional directors, attach a list of them to this form.
- 3 Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before due date shall be deemed an amended list for the previous year.
- 4 Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
- 5 Return the completed form to Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4786 (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME	TITLE(S)
CAROL J. AGER	PRESIDENT
P. O. BOX	STREET ADDRESS
	2215 LUCERNE CIR
	CITY
	HENDERSON
	ST.
	NV
	ZIP
	89014
NAME	TITLE(S)
CHARLES A. AGER	SECRETARY
P. O. BOX	STREET ADDRESS
	2215 LUCERNE CIR
	CITY
	HENDERSON
	ST.
	NV
	ZIP
	89014
NAME	TITLE(S)
CHARLES A. AGER	TREASURER
P. O. BOX	STREET ADDRESS
	2215 LUCERNE CIR
	CITY
	HENDERSON
	ST.
	NV
	ZIP
	89014
NAME	TITLE(S)
	DIRECTOR
P. O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP
NAME	TITLE(S)
	DIRECTOR
P. O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP

Appendix 13

Page 10 of 14 pages

Corporate Data: Geosearch, Inc.

I hereby certify this annual list.

X Signature of Officer

Date

July 10/00



DEAN HELLER
Secretary of State

101 North Carson Street, Suite
Carson City, Nevada 89701-
(775) 684 5708

**Certificate of Change of
Resident Agent and/or
Location of Registered
Office**

Office Use Only:

FILED

JUL 31 2000

Dean Heller
Secretary of State

General Instructions for this form:

1. Please print legibly or type; Black Ink Only.
2. Complete all fields.
3. The physical Nevada address of the resident agent must be set forth; PMB's are not acceptable.
4. Ensure that document is signed in signature fields.
5. Include the filing fee of \$15.00.

GEOSARCH INC.

Name of Entity

The change below is effective upon the filing of this document with the Secretary of State.

Reason for change: (check one) Change of Resident Agent Change of Location of Registered Office

The former resident agent and/or location of the registered office was:

Resident Agent: KENNETH IAN MATHESON *17/21*

Street No.: 2215 LUCERNE CIRCLE

City, State, Zip: HENDERSON NV 89014

The resident agent and/or location of the registered office is changed to:

Resident Agent: Robert D. McDougal *17 321*

Street No.: 100 West Grove Street, Suite 420

City, State, Zip: Reno, NV 89509

NOTE: For an entity to file this certificate, the signature of one officer is required.

The certificate does not need to be notarized.

Robert D. McDougal Pres.
Signature/Title

Certificate of Acceptance of Appointment by Resident Agent:

I, Robert D. McDougal, hereby accept the appointment as Resident Agent for the above-named business entity.

Robert D. McDougal
Signature of Resident Agent

July 18, 2000
Date

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

GEOSEARCH INC.

FILE NUM

9126-1

FOR THE PERIOD JUL 2001 TO 2002. DUE BY JUL 31, 2001.
 The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY

FILED (DATE)

FILED
JUN 13 2001
 Dawn Heller
 Secretary of State

ROBERT D MCDOUGAL

**100 W GROVE ST STE 420
 RENO NV 89509**

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been prepared. If you need to make changes, cross out the incorrect information and insert the new information on it.
2. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
3. If there are systematic directors, attach a list of them to this form.
3. Return the completed form with the \$25.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual fee received more than 90 days before due date shall be deemed an amended fee for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite 23, Carson City, NV 89701-4786, (775) 684-9708.

FILING FEE: \$25.00

PENALTY: \$15.00

NAME	TITLE(S)
CAROL J. AGER	PRESIDENT
P.O. BOX	
STREET ADDRESS	CITY
2215 LUCERNE CIR	HENDERSON
ST.	ZIP
NV	89014
NAME	TITLE(S)
CHARLES A. AGER	SECRETARY
P.O. BOX	
STREET ADDRESS	CITY
2215 LUCERNE CIR	HENDERSON
ST.	ZIP
NV	89014
NAME	TITLE(S)
CHARLES A. AGER	TREASURER
P.O. BOX	
STREET ADDRESS	CITY
2215 LUCERNE CIR	HENDERSON
ST.	ZIP
NV	89014
NAME	TITLE(S)
	DIRECTOR
P.O. BOX	
STREET ADDRESS	CITY
NAME	TITLE(S)
	DIRECTOR
P.O. BOX	
STREET ADDRESS	CITY

Appendix 13 Page 12 of 14 pages
 Corporate Data: Geosearch, Inc.

I hereby certify this annual list.

X Signature of Officer

[Handwritten Signature]

Date

6/7/01

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

GEOSEARCH INC.

FILE NUMBER

9126-1993

FOR THE PERIOD JUL 2002 TO 2003. DUE BY JUL 31, 2002.

Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

ROBERT D MCDOUGAL

100 W GROVE ST STE 420
RENO NV 89509

FOR OFFICE USE ONLY

FILED (DATE)

FILED # _____

JUL 22 2002

IN THE OFFICE OF
DEAN HELLER, SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above.

An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.

If there are additional directors, attach a list of them to this form.

Return the completed form with the \$85.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.

Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions. Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$50.00

	TITLE(S)
	PRESIDENT

ROL J. AGER	STREET ADDRESS	CITY	ST.	ZIP
X	100 W GROVE ST STE 420 2215 LUCERNE CIR	RENO HENDERSON	NV	89509 89014

	TITLE(S)
	SECRETARY

RLES A. AGER	STREET ADDRESS	CITY	ST.	ZIP
X	100 W GROVE ST. STE 420 2215 LUCERNE CIR	RENO HENDERSON	NV	89509 89014

	TITLE(S)
	TREASURER

RLES A. AGER	STREET ADDRESS	CITY	ST.	ZIP
X	100 W GROVE ST. STE 420 2215 LUCERNE CIR	RENO HENDERSON	NV	89509 89014

	TITLE(S)
	DIRECTOR

	STREET ADDRESS	CITY	ST.	ZIP

	TITLE(S)
	DIRECTOR

	STREET ADDRESS

To the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

Name of Officer

PA

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

GEOSEARCH INC.

FILE NUMBER

9126-19

FOR THE PERIOD JUL 2003 TO 2004. DUE BY JUL 31, 2003.
 The Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY

FILED (DATE)

ROBERT D MCDOUGAL
 100 W GROVE ST STE 420
 RENO NV 89509

FILED

AUG 07 2003

OFFICE OF
 THE SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **FORM WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before the date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment form stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201 (775) 684-5708

FILING FEE: \$85.00

PENALTY: \$50.00

NAME	TITLE(S)
CAROL J. AGER	PRESIDENT
P. O. BOX	
STREET ADDRESS	CITY
100 W GROVE ST STE 420	RENO
	ST.
	NV
	ZIP
	89509

NAME	TITLE(S)
CAROL J. AGER CHARLES A. AGER	SECRETARY
P. O. BOX	
STREET ADDRESS	CITY
100 W GROVE ST STE 420	RENO
	ST.
	NV
	ZIP
	89509

NAME	TITLE(S)
CAROL J. AGER CHARLES A. AGER	TREASURER
P. O. BOX	
STREET ADDRESS	CITY
100 W GROVE ST STE 420	RENO
	ST.
	NV
	ZIP
	89509

NAME	TITLE(S)
	DIRECTOR
P. O. BOX	
STREET ADDRESS	CITY
	ST.
	ZIP

NAME	TITLE(S)
	DIRECTOR
P. O. BOX	
STREET ADDRESS	

Appendix 13 Page 14 of 14 pages
 Corporate Data: Geosearch, Inc.

I declare, to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

X Signature of Officer

[Handwritten Signature]

Date

Jul 15/03

NAME: MINCOR INC.

FILE TYP/NR C 9125-1993 ST NEVADA INC ON JUL 29, 1993 FOR PERPETUAL
STATUS: CURRENT LIST AS OF : 08-07-03 NUMBER OF PAGES FILED: 1 KDK
TYPE: REGULAR
PURPOSE: ALL LEGAL ACTIVITIES

CAPITAL:
PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 25,000
RA NBR: 17321

LIST OF OFFICERS FOR 03 - 04 FILED ON 08-07-03 ANNUAL LO DAM
RA ROBERT D. MCDOUGAL SUITE 420 ACCEPTED 073100
100 WEST GROVE ST RENO NV 89509
PRES CAROLINE I. MCNEIL 090993
100 W GROVE ST STE 420 RENO NV 89509
SECT CAROLINE I. MCNEIL 090993
100 W GROVE ST STE 420 RENO NV 89509
TRES CAROLINE I. MCNEIL 090993
100 W GROVE ST STE 420 RENO NV 89509

CMD?
PA1=MENU PF3=PAGE-> PF5=END INQ
4- 1 Sess-1 10.131.152.1 TPO2SX0A 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

Articles of Incorporation

(PURSUANT TO NRS 78)
STATE OF NEVADA

Filing fee:
Receipt #:

FILING FEE \$125.00T.N.
RECEIPT #C- 85508
IAN MATHESON
2215 LUCERNE CIRCLE
HENDERSON, NV. 89014

JUL 29 1993

7125-93

CHERYL A. LAY SECRETARY OF STATE

Cheryl Lay

(For filing office use)



STATE OF NEVADA
Secretary of State

(For filing office use)

No.

**IMPORTANT: Read instructions on reverse side before completing this form.
TYPE OR PRINT (BLACK INK ONLY)**

- 1. NAME OF CORPORATION: MINCOR INC
- 2. RESIDENT AGENT: (designated resident agent and his STREET ADDRESS in Nevada where process may be served)

Name of Resident Agent: K. IAN MATHESON

Street Address: 2215 LUCERNE CIRCLE, HENDERSON, NV 89015

Street No. Street Name City Zip

- 3. SHARES: (number of shares the corporation is authorized to issue)
- Number of shares with par value: 0 Par value: — Number of shares without par value: 25,000

- 4. GOVERNING BOARD: shall be styled as (check one): Directors Trustees
- The FIRST BOARD OF DIRECTORS shall consist of 1 members and the names and addresses are as follows:
- CAROLINE I. AGER 15423 34 AVE SURREY, BC
Name Address City/State/Zip
CANADA V4P 2J9
- Name Address City/State/Zip
- Name Address City/State/Zip

- 5. PURPOSE (optional— see reverse side): The purpose of the corporation shall be: TO ENGAGE IN ALL LAWFULL ACTIVITIES.

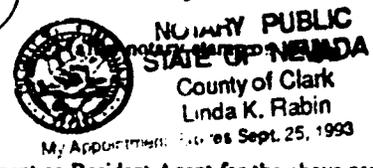
- 6. PERSONAL LIABILITY (pursuant to NRS 78.037): Check one: Accept Decline (if you chose accept see 6(a))

- 7. OTHER MATTERS: Any other matters to be included in these articles may be noted on separate pages and incorporated by reference herein as a part of these articles: Number of pages attached 0

- 8. SIGNATURES OF INCORPORATORS: The names and addresses of each of the incorporators signing the articles: (signatures must be notarized)
- CAROLINE I. AGER Name (print)
15423 34 AVE, SURREY, BC. CANADA V4P 2J9 Address City/State/Zip
X *Caroline Ager* Signature
Name (print) Address City/State/Zip Signature
- Name (print) Address City/State/Zip Signature

Subscribed and sworn to before me this 27 day of July, 1993.

Linda K. Rabin
Notary Public



- 9. CERTIFICATE OF ACCEPTANCE OF APPOINTMENT OF RESIDENT AGENT
1. K. IAN MATHESON hereby accept appointment as Resident Agent for the above named corporation.

K. Ian Matheson Signature of Resident Agent

JULY 27, 1993 Date

SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

MINCOR INC.

9125-93

A NEVADA

CORPORATION.

FOR THE FILING PERIOD 7/93 TO 7/94

The Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

KENNETH IAN MATHESON
2215 LUCERNE DR.
HENDERSON, NV. 89014

Resident Agency & Principal Place of Business — Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY

FILED (DATE)

FILED

SEP 09 1993

93-94 PAID \$85.00

SECRETARY OF STATE

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

- Names and mailing addresses for all officers and directors. A President, Secretary, Treasurer and Directors must be named.
- An officer's signature at the bottom of this form.
- Returned ALL COPIES of this form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form isn't filed within 60 days from the date of incorporation.
- Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope.
- If you have changed the resident agent or principal place of business, please contact our office for the proper forms to make the change before filing this 60 day list.

RECEIVED

SEP 07 1993

SECRETARY OF STATE
Capitol Complex
Carson City, NV 89710

FILING FEE: \$85.00 LATE PENALTY: \$15.00

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION

NAME	CAROLINE I AGER	TITLE(S)	PRESIDENT
P.O. BOX	2215 LUCERNE CIR HENDERSON	ST	89014
NAME	CHARLES A. AUER	TITLE(S)	SECRETARY
P.O. BOX	2215 LUCERNE CIR HENDERSON	ST	89014
NAME	CHARLES A. AUER	TITLE(S)	TREASURER
P.O. BOX	2215 LUCERNE CIR HENDERSON	ST	89014
NAME	CHARLES A. AUER	TITLE(S)	DIRECTOR
P.O. BOX	2215 LUCERNE CIR HENDERSON	ST	89014
NAME	CAROLINE I AGER	TITLE(S)	DIRECTOR
P.O. BOX	2215 LUCERNE CIR HENDERSON	ST	89014
NAME	CHARLETON S AUER	TITLE(S)	DIRECTOR
P.O. BOX	2215 LUCERNE CIR HENDERSON	ST	89014

Signature of officer *Charles A. Auer*

Title(s) *SEC/TRE* Date *AUG 19/93*

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

MINCOR INC.

9125-

A NEVADA CORPORATION INCORPORATED ON JUL 29, 1993.

REPRINT

THIS LIST IS FOR THE PERIOD JUL 1994 TO 1995

09/08/9

THE CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF SAID PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS CAN BE SERVED IS:

FOR OFFICE USE ONLY

KENNETH IAN MATHESON
2215 LUCERNE CIRCLE
HENDERSON NV 89014

Do not change information in this area before reading #5 below.

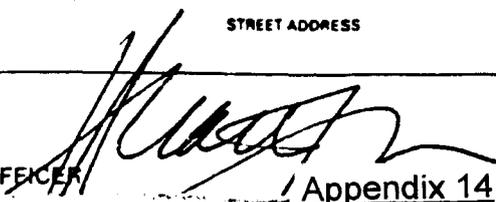
FILED (Date)
SEP 15 1994
D. H. [Signature]
Treas. [Signature]

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NV 89710

INSTRUCTIONS - PLEASE READ INSTRUCTIONS BEFORE RETURNING THIS FORM TO AVOID DELAYS AND LATE FEES.

1. Include names and mailing addresses for ALL OFFICERS AND DIRECTORS. A PRESIDENT, SECRETARY, TREASURER AND DIRECTORS MUST BE NAMED.
2. Return the complete form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the date listed at the top of this form.
3. AN OFFICER'S SIGNATURE IS NEEDED AT THE BOTTOM OF THIS FORM.
4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
5. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
6. Sign your check and have it made payable to the Secretary of State - if you need a receipt, please enclose a self-addressed stamped envelope.
7. RETURN THIS FORM TO: SECRETARY OF STATE, CAPITOL COMPLEX, CARSON CITY, NV 89710 (702) 687-5105.

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
CARCLINE J. AGER P O BOX	PRESIDENT	2215 LUCERNE CIR	HENDERSON	NV	89014
CHARLES A. AGER P O BOX	SECRETARY	2215 LUCERNE CIR	HENDERSON	NV	89014
CHARLES A. AGER P O BOX	TREASURER	2215 LUCERNE CIR	HENDERSON	NV	89014
	DIRECTOR				
	DIRECTOR				
	DIRECTOR				

X SIGNATURE OF OFFICER 

Appendix 14

Page 4 of 14 pages

Corporate Data: Mincor, Inc.

 - Sept 14 94
Date

MINCOR INC.

A NEVADA CORPORATION INCORPORATED ON JUL 29, 1993.
THIS LIST IS FOR THE PERIOD JUL 1995 TO 1996. DUE BY JUL 31, 1995.

9125-9

The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

95-96 PAID \$85.00

JUL 31 1995

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of the completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710 (702) 687-5105

FILING FEE: \$85.00

LATE PENALTY: \$15.00

RECEIVED

JUL 26 1995

Department of State

NAME CAROLINE J. AGER	TITLE(S) PRESIDENT
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST
	ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST
	ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST
	ZIP

I hereby certify this annual list.

X Signature of officer

Title(s)

Date

July 1/95

MINCOR INC.

9125-1993

FOR THE PERIOD JUL 1996 TO 1997. DUE BY JUL 31, 1996.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46486

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

FILED
JUN 13 1996
SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **FORM WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form. An annual list received more than 30 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710. (702) 687-5105.

FILING FEE: \$85.00 PENALTY: \$15.00

NAME CAROLINE J. AGER	TITLE(S) PRESIDENT
PO BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) SECRETARY
PO BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) TREASURER
PO BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME	TITLE(S) DIRECTOR
PO BOX	STREET ADDRESS
	CITY
	ST
	ZIP
NAME	TITLE(S) DIRECTOR
PO BOX	STREET ADDRESS

Appendix 14 Page 6 of 14 pages
Corporate Data: Mincor, Inc.

I hereby certify this annual list.

X Signature of Officer *Caroline Ager*

Date *MAY 27 1996*

MINCOR INC.

9125-1993

FOR THE PERIOD JUL 1997 TO 1998. DUE BY JUL 31, 1997.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 45484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FILED
JUL 11 1997

Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. L information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$ 5 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an a list for the previous year.
4. Make your check payable to the Secretary of State. If you need the below attachment to be stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson Cir., NV 89710 (702) 687-5203

FILING FEE: \$85.00

PENALTY: \$15.00

NAME CAROLINE I. AGER	TITLE(S) PRESIDENT
PO BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) SECRETARY
PO BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) TREASURER
PO BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST NV
	ZIP 89014
NAME	TITLE(S) DIRECTOR
PO BOX	STREET ADDRESS
	CITY
	ST
	ZIP
NAME	TITLE(S) DIRECTOR
PO BOX	STREET ADDRESS

Appendix 14 Page 7 of 14 pages
Corporate Data: Mincor, Inc.

I hereby certify this annual list.

Signature of Officer

C. Ager

Date

June 16, '97

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF

MINCOR INC.

FOR THE PERIOD JUL 1998 TO 1999. DUE BY JUL 31, 1998.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA #

46484

FOR OFFICE USE ONLY

FILED (DATE)

FILED

JUL 2 1 1998

Dean Heller
Secretary of State

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED UNDESIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an error for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4786. (702) 687-5203. FILING FEE: \$85.00 PENALTY: \$15.00

NAME: CAROLINE I. AGER
STREET ADDRESS: 2215 LUCERNE CIR
CITY: HENDERSON NV
ST: NV
ZIP: 89014
TITLE(S): PRESIDENT

NAME: CHARLES A. AGER
STREET ADDRESS: 2215 LUCERNE CIR
CITY: HENDERSON NV
ST: NV
ZIP: 89014
TITLE(S): SECRETARY

NAME: CHARLES A. AGER
STREET ADDRESS: 2215 LUCERNE CIR
CITY: HENDERSON NV
ST: NV
ZIP: 89014
TITLE(S): TREASURER

NAME: CHARLES A. AGER
STREET ADDRESS: 2215 LUCERNE CIR
CITY: HENDERSON NV
ST: NV
ZIP: 89014
TITLE(S): DIRECTOR

NAME: DIRECTOR
STREET ADDRESS: [Blank]
CITY: [Blank] ST: [Blank] ZIP: [Blank]
TITLE(S): DIRECTOR

NAME: [Blank]
STREET ADDRESS: [Blank]
CITY: [Blank] ST: [Blank] ZIP: [Blank]
TITLE(S): [Blank]

Signature of Officer: *[Signature]*
Date: *June 27/97*
Corporate Data: Mincor, Inc.
Appendix 14
Page 8 of 14 pages

MINCOR INC.

9125-1993

FOR THE PERIOD JUL 1999 TO 2000. DUE BY JUL 31, 1999.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FILED

JUL 31 1999

SECRETARY OF STATE
DEAN HELLER

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORMS WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. List information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$25.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an am list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.126. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite 62, Carson City, NV 89701-4788. (775) 684-6708.

FILING FEE: \$25.00

PENALTY: \$15.00

NAME		TITLE(S)	
CAROLINE I. AGER		PRESIDENT	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
CHARLES A. AGER		SECRETARY	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
CHARLES A. AGER		TREASURER	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
		DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME		TITLE(S)	
		DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

I hereby certify this annual list.

X Signature of Officer

Charles Ager

Date

July 24/99

LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

MINCOR INC.

FILE NUMBER

9125-1993

FOR THE PERIOD JUL 2000 TO 2001. DUE BY JUL 31, 2000.
 The Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
 HENDERSON NV 89014

FILED

JUL 31 2000

U.S. Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

- 1 Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
- 2 If there are additional directors, attach a list of them to this form.
- 3 Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
- 4 Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
- 5 Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4796 (775) 684-5708.

FILING FEE: \$85.00

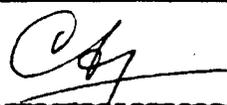
PENALTY: \$15.00

NAME CAROLINE I. AGER	TITLE(S) PRESIDENT
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST. NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST. NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR
	CITY HENDERSON
	ST. NV
	ZIP 89014
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS

Appendix 14 Page 10 of 14 pages
 Corporate Data: Mincor, Inc.

I hereby certify this annual list.

X Signature of Officer



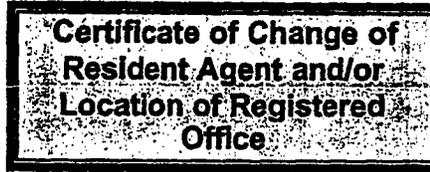
Date

July 10/00



DEAN HELLER
Secretary of State

101 North Carson Street, Suite
Carson City, Nevada 89701-
(775) 684 5708



Office Use Only:

FILED

JUL 31 2000

Dean Heller
Secretary of State

General instructions for this form:

1. Please print legibly or type; Black Ink Only.
2. Complete all fields.
3. The *physical Nevada* address of the resident agent must be set forth; PMB's are not acceptable.
4. Ensure that document is signed in signature fields.
5. Include the filing fee of \$15.00.

MINCOR INC.

Name of Entity

The change below is effective upon the filing of this document with the Secretary of State.

Reason for change: (check one) Change of Resident Agent Change of Location of Registered Office

The former resident agent and/or location of the registered office was:

Resident Agent: KENNETH IAN MATTHEWSON

Street No.: 2215 LUCERNE CIRCLE

City, State, Zip: HENDERSON NV 89014

The resident agent and/or location of the registered office is changed to:

17321

Resident Agent: Robert D. McDougal

Street No.: 100 West Grove Street, Suite 420

City, State, Zip: Reno, NV 89509

NOTE: For an entity to file this certificate, the signature of one officer is required.
The certificate does not need to be notarized.

 SEC.
Signature/Title

Certificate of Acceptance of Appointment by Resident Agent:

I, Robert D. McDougal, hereby accept the appointment as Resident Agent for the above-named business entity.


Signature of Resident Agent

July 18, 2000
Date

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

MINCOR INC.

FILE NUMBER

9125-19

FOR THE PERIOD JUL 2001 TO 2002. DUE BY JUL 31, 2001.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RAN 17321

FOR OFFICE USE ONLY

FILED (DATE)

FILED
JUN 13 2001
 Dawn Haller
 Secretary of State

ROBERT D MCDOUGAL

**100 W GROVE ST STE 420
 RENO NV 89509**

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information as 2. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$25 CD filing fee. A \$75 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before our date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your completed check will constitute a certificate to transfer business per NRS 78.155. If you need the below attachment stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite 21, Carson City, NV 89701-4788. (775) 684-5708.

FILING FEE: \$25.00

PENALTY: \$15.00

NAME	TITLE(S)
CAROLINE I. AGER	PRESIDENT
P. O. BOX	
STREET ADDRESS	CITY
2215 LUCERNE CIR	HENDERSON
	ST. NV
	ZIP 89014
NAME	TITLE(S)
CHARLES A. AGER	SECRETARY
P. O. BOX	
STREET ADDRESS	CITY
2215 LUCERNE CIR	HENDERSON
	ST. NV
	ZIP 89014
NAME	TITLE(S)
CHARLES A. AGER	TREASURER
P. O. BOX	
STREET ADDRESS	CITY
2215 LUCERNE CIR	HENDERSON
	ST. NV
	ZIP 89014
NAME	TITLE(S)
	DIRECTOR
P. O. BOX	
STREET ADDRESS	CITY
	ST. NV
	ZIP
NAME	TITLE(S)
	DIRECTOR
P. O. BOX	
STREET ADDRESS	CITY
	ST. NV
	ZIP

Appendix 14 Page 12 of 14 pages
 Corporate Data: Mincor, Inc.

I hereby certify this annual list.

X Signature of Officer

Charles Ager

Date

June 7 2001

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

MINCOR INC.

**FILE NUMBER
9125-1993**

FOR THE PERIOD JUL 2002 TO 2003. DUE BY JUL 31, 2002.
 the Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 17321

**ROBERT D MCDOUGAL
100 W GROVE ST STE 420
RENO NV 89509**

FOR OFFICE USE ONLY
 FILED (DATE)
FILED # _____
JUL 22 2002
 IN THE OFFICE OF
Dean Heller
 DEAN HELLER, SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

EASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

Include the names and addresses, either residence or business, for all officers and directors. A **President, Secretary, Treasurer and all Directors** must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An **officer** must sign the form. **FORM WILL BE RETURNED IF UNSIGNED.**
 If there are additional directors, attach a list of them to this form.
 Return the completed form with the \$85.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
 Make your check payable to the **Secretary of State**. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions.
 Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201. (775) 684-5708.

FILING FEE: \$85.00 PENALTY: \$50.00

		TITLE(S)			
		PRESIDENT			
ROLINE I. AGER	STREET ADDRESS	CITY	ST.	ZIP	
BOX	2215 LUCERNE CIR 100 W GROVE ST. STE 420	HENDERSON RENO, NV	NV NV	89014 89509	
		TITLE(S)			
		SECRETARY			
ARLES A. AGER	STREET ADDRESS	CITY	ST.	ZIP	
BOX	2215 LUCERNE CIR 100 W GROVE ST. STE 420	HENDERSON RENO	NV NV	89014 89509	
		TITLE(S)			
		TREASURER			
ARLES A. AGER	STREET ADDRESS	CITY	ST.	ZIP	
BOX	2215 LUCERNE CIR 100 W GROVE ST. STE 420	HENDERSON RENO	NV NV	89014 89509	
		TITLE(S)			
		DIRECTOR			
BOX	STREET ADDRESS	CITY	ST.	ZIP	
		TITLE(S)			
		DIRECTOR			
BOX	STREET ADDRESS				

I, to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

26

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

MINCOR INC.

FILE NUMBER

9125-1993

FOR THE PERIOD JUL 2003 TO 2004. DUE BY JUL 31, 2003.
The Corporation's duly appointed resident agent in the
State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY
FILED (DATE)

ROBERT D MCDOUGAL

100 W GROVE ST STE 420
RENO NV 89509

FILED

AUG 07 2003

IN THE OFFICE OF
JEAN HELLER, SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF
RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

- 1 Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **FORM WILL BE RETURNED IF UNSIGNED.**
- 2 If there are additional directors, attach a list of them to this form.
- 3 Return the completed form with the \$85.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
- 4 Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions.
- 5 Return the completed form to Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201. (775) 684-5708.

FILING FEE: \$85.00 PENALTY: \$50.00

NAME CAROLINE I. AGER MCNEIL	TITLE(S) PRESIDENT
P. O. BOX STREET ADDRESS 100 W GROVE ST STE 420	CITY RENO
	ST. ZIP NV 89509
NAME CAROLINE I. MCNEIL	TITLE(S) SECRETARY
P. O. BOX CHARLES A. AGER STREET ADDRESS 100 W GROVE ST STE 420	CITY RENO
	ST. ZIP NV 89509
NAME CAROLINE I. MCNEIL	TITLE(S) TREASURER
P. O. BOX CHARLES A. AGER STREET ADDRESS 100 W GROVE ST STE 420	CITY RENO
	ST. ZIP NV 89509
NAME	TITLE(S) DIRECTOR
P. O. BOX STREET ADDRESS	CITY
	ST. ZIP
NAME	TITLE(S) DIRECTOR
P. O. BOX STREET ADDRESS	CITY
	ST. ZIP

Appendix 14 Page 14 of 14 pages
Corporate Data: Mincor, Inc.

I declare, to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

X Signature of Officer

C. McNeil

Date *JULY 11/03*

NAME: GEOTECH MINING INC.

FILE TYP/NR C 9128-1993 ST NEVADA INC ON JUL 29, 1993 FOR PERPETUAL
STATUS: CURRENT LIST AS OF : 08-07-03 NUMBER OF PAGES FILED: 1 KDK
TYPE: REGULAR
PURPOSE: ALL LEGAL ACTIVITIES

CAPITAL:
PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 25,000
RA NBR: 17321

LIST OF OFFICERS FOR 03 - 04 FILED ON 08-07-03 ANNUAL LO DAM
RA ROBERT D. MCDOUGAL SUITE 420 ACCEPTED 073100
100 WEST GROVE ST RENO NV 89509
PRES CHARLES A. AGER 090993
100 W GROVE ST STE 420 RENO NV 89509
SECT CHARLES A. AGER 090993
100 W GROVE ST STE 420 RENO NV 89509
TRES CHARLES A. AGER 090993
100 W GROVE ST STE 420 RENO NV 89509

CMD?
PA1=MENU PF3=PAGE-> PF5=END INQ
4- 1 Sess-1 10.131.152.1 TP02SX0A 1/8

SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

GEOTECH MINING INC.

9128-93

NEVADA

CORPORATION.

FOR THE FILING PERIOD 7/93

TO 7/94

the Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

KENNETH IAN MATHESON
2215 LUCERNE DR.
HENDERSON, NV. 89014

Resident Agency & Principal Place of Business - Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY
FILED (DATE) **FILED!**
SEP 09 1993
93-94 PAID \$85.00
SECRETARY OF STATE

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

- 1. Names and mailing addresses for all officers and directors. A President, Secretary, Treasurer and Director must be named.
- 2. An officer's signature at the bottom of this form.
- 3. Returned ALL COPIES of this form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form isn't filed within 60 days from the date of incorporation.
- 4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope.
- 5. If you have changed the resident agent or principal place of business, please contact our office for the proper forms to make the change before filing this 60 day list.

RECEIVED
SEP 07 1993

FILING FEE: \$85.00 LATE PENALTY: \$15.00

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION

SECRETARY OF STATE
Capitol Complex
Carson City, NV 89710

NAME: CHARLES A. AGER TITLE(S): PRESIDENT
P.O. BOX: STREET ADDRESS: 2215 LUCERNE CIR HENDERSON ST: 89014

NAME: CHARLES A. AGER TITLE(S): SECRETARY
P.O. BOX: STREET ADDRESS: 2215 LUCERNE CIR HENDERSON ST: 89014

NAME: CHARLES A. AGER TITLE(S): TREASURER
P.O. BOX: STREET ADDRESS: 2215 LUCERNE CIR HENDERSON ST: 89014

NAME: CHARLES A. AGER TITLE(S): DIRECTOR
P.O. BOX: STREET ADDRESS: 2215 LUCERNE CIR HENDERSON ST: 89014

NAME: TITLE(S): DIRECTOR
P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

NAME: TITLE(S): DIRECTOR
P.O. BOX: STREET ADDRESS: Appendix 15 Corporate Data: Geotech Mining, Inc. Page 3 of 14 pages

Signature of officer: Charles Ager

Title(s): CH # 1659 IMP PRESIDENT Date: Aug 19/93

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

GEOTECH MINING INC.

9128-93

A NEVADA CORPORATION INCORPORATED ON JUL 29, 1993.
THIS LIST IS FOR THE PERIOD JUL 1994 TO 1995

REPRINTED
08/01/94

THE CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF SAID PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS CAN BE SERVED IS

FOR OFFICE USE ONLY

FILED (Date)

74-95 AUG 18 1994

KENNETH IAN MATHESON
2215 LUCERNE CIRCLE
HENDERSON NV 89014

Do not change information in this area before reading #5 below.

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NV. 89710

INSTRUCTIONS - PLEASE READ INSTRUCTIONS BEFORE RETURNING THIS FORM TO AVOID DELAYS, RETURNS AND LATE FEES.

1. Include names and mailing addresses for ALL OFFICERS AND DIRECTORS. A PRESIDENT, SECRETARY, TREASURER AND DIRECTORS MUST BE NAMED.
2. Return the complete form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the deadline at the top of this form.
3. AN OFFICER'S SIGNATURE IS NEEDED AT THE BOTTOM OF THIS FORM.
4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
5. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
6. Sign your check and have it made payable to the Secretary of State - if you need a receipt, please enclose a self-addressed stamped envelope.
7. RETURN THIS FORM TO: SECRETARY OF STATE, CAPITOL COMPLEX, CARSON CITY, NV 89710 (702) 687-5105.

AUG 18 1994

Secretary of State

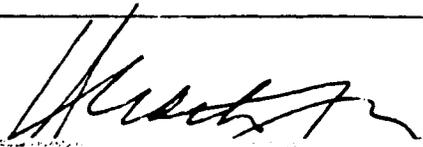
NAME CHARLES A. AGER P O BOX	TITLE(S) PRESIDENT	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME CHARLES A. AGER P O BOX	TITLE(S) SECRETARY	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME CHARLES A. AGER P O BOX	TITLE(S) TREASURER	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	ST NV	ZIP 89014
NAME P O BOX	TITLE(S) DIRECTOR	STREET ADDRESS	CITY	ST	ZIP
NAME P O BOX	TITLE(S) DIRECTOR	STREET ADDRESS	CITY	ST	ZIP
NAME P O BOX	TITLE(S) DIRECTOR	STREET ADDRESS	CITY	ST	ZIP

Appendix 15

Page 4 of 14 pages

Corporate Data: Geotech Mining, Inc.

X SIGNATURE OF OFFICER



Title(s) Resident Agent Date: Aug 15, '94

GEOTECH MINING INC.

A NEVADA CORPORATION INCORPORATED ON JUL 29, 1993.
THIS LIST IS FOR THE PERIOD JUL 1995 TO 1996. DUE BY JUL 31, 1995.

The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)
 JUL 31 1995
 95-96 PAID \$85.00

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been prepared. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORMS WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710 (702) 687-5105

FILING FEE: \$85.00 LATE PENALTY: \$15.00

RECEIVED

JUL 28 1995

Secretary of State

NAME	TITLE(S)
CHARLES A. AGER	PRESIDENT

P.O. BOX	STREET ADDRESS	CITY	ST	ZIP
	2215 LUCERNE CIR	HENDERSON	NV	89014

NAME	TITLE(S)
CHARLES A. AGER	SECRETARY

P.O. BOX	STREET ADDRESS	CITY	ST	ZIP
	2215 LUCERNE CIR	HENDERSON	NV	89014

NAME	TITLE(S)
CHARLES A. AGER	TREASURER

P.O. BOX	STREET ADDRESS	CITY	ST	ZIP
	2215 LUCERNE CIR	HENDERSON	NV	89014

NAME	TITLE(S)
	DIRECTOR

P.O. BOX	STREET ADDRESS	CITY	ST	ZIP

NAME	TITLE(S)
	DIRECTOR

P.O. BOX	STREET ADDRESS	CITY	ST	ZIP

NAME	TITLE(S)
	DIRECTOR

P.O. BOX	STREET ADDRESS	Appendix 15	Page 5 of 14 page
		Corporate Data: Geotech Mining, Inc.	

I hereby certify this annual list.

X Signature of officer *Charles Ager*

Title(s) *Sec*

Date *July*

GEOTECH MINING INC.

9128-1993

FOR THE PERIOD JUL 1996 TO 1997. DUE BY JUL 31, 1996.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

KENNETH IAN MATHEWSON
2215 LUCERNE CIR
HENDERSON NV 89014

FOR OFFICE USE ONLY
FILED (DATE)
46485 RA#

REC'D
JUL 18 1996
SECRETARY'S OFFICE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **FOI WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors, attach a list of them to the form.
3. Return the completed form with the \$50 filing fee. A \$15.00 penalty must be added to returns to the deadline indicated at the top of this form. An annual list received more than 30 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of the completed form.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710 (702) 687-5105. **FILING FEE: \$65.00 PENALTY: \$15.00**

NAME	CHARLES A. ASER
TITLE(S)	PRESIDENT

NAME	CHARLES A. ASER
TITLE(S)	SECRETARY

NAME	CHARLES A. ASER
TITLE(S)	TREASURER

NAME	CHARLES A. ASER
TITLE(S)	DIRECTOR

NAME	CHARLES A. ASER
TITLE(S)	DIRECTOR

NAME	CHARLES A. ASER
TITLE(S)	DIRECTOR

NAME	CHARLES A. ASER
TITLE(S)	DIRECTOR

NAME	CHARLES A. ASER
TITLE(S)	DIRECTOR

I hereby certify this annual list.

X Signature of Officer

Charles A. Aser

Date

May 24/96

Corporate Data: Geotech Mining, Inc.

Appendix 15

Page 6 of 14 pages

GEOTECH MINING INC.

9128-1993

FOR THE PERIOD JUL 1997 TO 1998. DUE BY JUL 31, 1997.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FILED
JUL 11 1997

Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an annual list for the previous year.
4. Make your check payable to the Secretary of State. If you need the below attachment fee stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this complete an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710. (702) 687-5203

FILING FEE: \$85.00

PENALTY: \$15.00

NAME CHARLES A. AGER	TITLE(S) PRESIDENT
PO BOX	
STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON
	ST NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) SECRETARY
PO BOX	
STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON
	ST NV
	ZIP 89014
NAME CHARLES A. AGER	TITLE(S) TREASURER
PO BOX	
STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON
	ST NV
	ZIP 89014
NAME	TITLE(S) DIRECTOR
PO BOX	
STREET ADDRESS	CITY
	ST
	ZIP
NAME	TITLE(S) DIRECTOR
PO BOX	
STREET ADDRESS	

Appendix 15

Corporate Data: Geotech Mining, Inc.

Page 7 of 14 pages

I hereby certify this annual list.

X Signature of Officer

Date

June 16/97

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF

FILE NUMBER

GEOTECH MINING INC.

9128-1993

FOR THE PERIOD JUL 1998 TO 1999. DUE BY JUL 31, 1998.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FILED JF
JUL 21 1998
Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **FORM WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amendment for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4786. (702) 687-5203.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME	TITLE(S)		
CHARLES A. AGER	PRESIDENT		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME	TITLE(S)		
CHARLES A. AGER	SECRETARY		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME	TITLE(S)		
CHARLES A. AGER	TREASURER		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS		

Appendix 15

Page 8 of 14 pages

Corporate Data: Geotech Mining, Inc.

I hereby certify this annual list.

Charles Ager

June 27/98

GEOTECH MINING INC.

9128-1993

FOR THE PERIOD JUL 1999 TO 2000. DUE BY JUL 31, 1999.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON

**2215 LUCERNE CIR
HENDERSON NV 89014**

FILED
AUG - 6 1999
L. Brent Hoover
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURN UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed as list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 71.156. If you need the below attachment file stamped, enclose a self-address stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4708. (775) 684-6708.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME CHARLES A. AGER		TITLE PRESIDENT	
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	STATE AND ZIP NV 89014
NAME CHARLES A. AGER		TITLE SECRETARY	
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	STATE AND ZIP NV 89014
NAME CHARLES A. AGER		TITLE TREASURER	
P.O. BOX	STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON	STATE AND ZIP NV 89014
NAME		TITLE DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	STATE AND ZIP
NAME		TITLE DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	STATE AND ZIP

I hereby certify this annual list.

X Signature of Officer

Charles Ager

Date *July 24/99*

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

GEOTECH MINING INC.

FILE NUMBER

9128-15

FOR THE PERIOD JUL 2001 TO 2002. DUE BY JUL 31, 2001.
 The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY
 FILED (DATE)

ROBERT D MCDOUGAL
 100 W GROVE ST STE 420
 RENO NV 89509

FILED
JUN 13 2001
 Dean Heller
 Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM

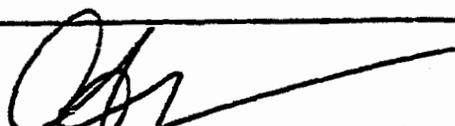
1. Include the names and addresses, other residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been prepared. If you need to make changes, cross out the incorrect information and insert the new information.
2. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
3. If there are additional directors, attach a list of them to this form.
4. Return the completed form with the \$25.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 90 days before the date that is deemed an amended list for the previous year.
5. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to conduct business per NRS 78.156. If you need the below attachment removed, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.

FILING FEE: \$25.00 PENALTY: \$15.00

NAME		TITLE(S)	
CHARLES A. AGER		PRESIDENT	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
CHARLES A. AGER		SECRETARY	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
CHARLES A. AGER		TREASURER	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIR	HENDERSON	NV 89014
NAME		TITLE(S)	
		DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME		TITLE(S)	
		DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

I hereby certify this annual list.

X Signature of Officer



Date June 6/01

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

GEOTECH MINING INC.

FILE NUMBER

9128-1993

FOR THE PERIOD JUL 2000 TO 2001. DUE BY JUL 31, 2000.
 The Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
 FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
 HENDERSON NV 89014

FILED

JUL 31 2000

Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF
 RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

- 1 Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
- 2 If there are additional directors, attach a list of them to this form.
- 3 Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
- 4 Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
- 5 Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4798. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME CHARLES A. AGER P. O. BOX	TITLE(S) PRESIDENT
STREET ADDRESS 2215 LUCERNE CIR.	CITY HENDERSON
	ST. NV
	ZIP 89014
NAME CHARLES A. AGER P. O. BOX	TITLE(S) SECRETARY
STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON
	ST. NV
	ZIP 89014
NAME CHARLES A. AGER P. O. BOX	TITLE(S) TREASURER
STREET ADDRESS 2215 LUCERNE CIR	CITY HENDERSON
	ST. NV
	ZIP 89014
NAME P. O. BOX	TITLE(S) DIRECTOR
STREET ADDRESS	CITY
	ST. NV
	ZIP
NAME P. O. BOX	TITLE(S) DIRECTOR
STREET ADDRESS	CITY
	ST. NV
	ZIP

I hereby certify this annual list.
 Signature of Officer *Charles A. Ager*

Date *July 10/00*



DEAN HELLER
Secretary of State

101 North Carson Street, Suite
Carson City, Nevada 89701-
(775) 684 5708

**Certificate of Change of
Resident Agent and/or
Location of Registered
Office**

Office Use Only:

FILED

JUL 31 2000

Dean Heller
Secretary of State

General instructions for this form:

1. Please print legibly or type; Black Ink Only.
2. Complete all fields.
3. The physical Nevada address of the resident agent must be set forth; PMB's are not acceptable.
4. Ensure that document is signed in signature fields.
5. Include the filing fee of \$15.00.

GEOTECH MINING INC.

Name of Entity

The change below is effective upon the filing of this document with the Secretary of State.

Reason for change: (check one) Change of Resident Agent Change of Location of Registered Office

The former resident agent and/or location of the registered office was:

Resident Agent: KENNETH IAN MATHERSON

Street No.: 2215 LUCERNE CIRCLE

City, State, Zip: HENDERSON NV 89014

The resident agent and/or location of the registered office is changed to:

Resident Agent: Robert D. McDougal 17321

Street No.: 100 West Grove Street, Suite 420

City, State, Zip: Reno, NV 89509

NOTE: For an entity to file this certificate, the signature of one officer is required.
The certificate does not need to be notarized.

Charles N. Ag... PRES.

Signature/Title

Certificate of Acceptance of Appointment by Resident Agent:

I, Robert D. McDougal, hereby accept the appointment as Resident Agent for the above-named business entity.

[Signature]

Signature of Resident Agent

July 18, 2000

Date

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

GEOTECH MINING INC.

FILE NUMBER

9128-1993

FOR THE PERIOD JUL 2002 TO 2003. DUE BY JUL 31, 2002.
The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

ROBERT D MCDUGAL

100 W GROVE ST STE 420
RENO NV 89509

FOR OFFICE USE ONLY
FILED (DATE)

FILED # _____

JUL 22 2002

IN THE OFFICE OF
DEAN HELLER, SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$50.00

NAME CHARLES A. AGER	TITLE(S) PRESIDENT
P.O. BOX	STREET ADDRESS 100 W GROVE ST STE 420 2215 LUCERNE CIR
	CITY RENO HENDERSON
	ST. NV NV
	ZIP 89509 89014
NAME CHARLES A. AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 100 W GROVE ST STE 420 2215 LUCERNE CIR
	CITY RENO HENDERSON
	ST. NV NV
	ZIP 89509 89014
NAME CHARLES A. AGER	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 100 W GROVE ST STE 420 2215 LUCERNE CIR
	CITY RENO HENDERSON
	ST. NV NV
	ZIP 89509 89014
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP

Appendix 15

Page 13 of 14 pages

Corporate Data: Geotech Mining, Inc.

I declare, to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 384A of NRS.

X Signature of Officer



Date

JULY 11/02

**ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:
GEOTECH MINING INC.**

FILE NUMBER
9128-1993

FOR THE PERIOD JUL 2003 TO 2004. DUE BY JUL 31, 2003.
The Corporation's duly appointed resident agent in the
State of Nevada upon whom process can be served is:

RA# 17321

ROBERT D MCDOUGAL
100 W GROVE ST STE 420
RENO NV 89509

FOR OFFICE USE ONLY
FILED (DATE)

FILED

AUG 07 2003

IN THE OFFICE OF
CLERK, SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF
RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

- 1 Include the names and addresses either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
- 2 If there are additional directors, attach a list of them to this form.
- 3 Return the completed form with the \$85.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
- 4 Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions.
- 5 Return the completed form to Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201 (775) 684-5708.

FILING FEE: \$85.00 PENALTY: \$60.00

NAME	TITLE(S)			
CHARLES A. AGER	PRESIDENT			
P. O. BOX		STREET ADDRESS	CITY	ST. ZIP
		100 W GROVE ST STE 420	RENO	NV 89509
NAME	TITLE(S)			
CHARLES A. AGER	SECRETARY			
P. O. BOX		STREET ADDRESS	CITY	ST. ZIP
		100 W GROVE ST STE 420	RENO	NV 89509
NAME	TITLE(S)			
CHARLES A. AGER	TREASURER			
P. O. BOX		STREET ADDRESS	CITY	ST. ZIP
		100 W GROVE ST STE 420	RENO	NV 89509
NAME	TITLE(S)			
	DIRECTOR			
P. O. BOX		STREET ADDRESS	CITY	ST. ZIP
NAME	TITLE(S)			
	DIRECTOR			
P. O. BOX		STREET ADDRESS	CITY	ST. ZIP

Appendix 15 Page 14 of 14 pages
Corporate Data: Geotech Mining, Inc.

I declare, to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

X Signature of Officer

Date

Robert D. McDougal
July 11/03

NAME: PILOT PLANT INC.

FILE TYP/NR C 1891-1990 ST NEVADA INC ON MAR 6, 1990 FOR PERPETUAL
STATUS: CURRENT LIST AS OF : 02-07-03 NUMBER OF PAGES FILED: 3 DAD
TYPE: REGULAR
PURPOSE: ALL LEGAL ACTIVITIES

CAPITAL:
 PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 2,500
 RA NBR: 46484
 LIST OF OFFICERS FOR 03 - 04 FILED ON 02-07-03 ANNUAL LO NEH

RA	KENNETH IAN MATHESON		ACCEPTED	051793
2215	LUCERNE CIRCLE	HENDERSON	NV 89014	
PRES	PATRICA B MENAUGHT	C/O		032290
2215	LUCERNE CIRCLE	HENDERSON	NV 89015	
SECT	MICHAEL ANDERSON	C/O		032290
2215	LUCERNE CIRCLE	HENDERSON	NV 89015	
TRES	FARRELL DROZO	C/O		032290
2215	LUCERNE CIRCLE	HENDERSON	NV 89015	

CMD?
 PA1=MENU PF3=PAGE-> PF5=END INQ
 4- 1 Sess-1 10.131.152.1 TP02SX42 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

FILING FEE: \$135.00
DD RECEIPT #C44981
DARRELL LINCOLN CLARK
STE 300
3675 PECOS-MCLEOD
LAS VEGAS NV 89121

1
MAR 6 1990
2

**ARTICLES OF INCORPORATION
OF**

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PILOT-PLANT, INC.

WE, THE UNDERSIGNED, have voluntarily associated ourselves together for the purposes of forming a corporation under the laws of the State of Nevada relating to private corporations, and to that end do hereby adopt Articles of Incorporation as follows:

ARTICLE ONE: The name of the corporation is to be **PILOT-PLANT, INC.**

ARTICLE TWO: The principal office of the corporation is to be located at 3675 Pecos-McLeod, Suite 300, Las Vegas, Nevada 89121.

ARTICLE THREE: The nature of the business or objects or purposes to be transacted, promoted, or carried on by the corporation are as follows: to engage in all lawful activity.

ARTICLE FOUR: The corporation is authorized to issue one (1) class of shares of stock to be designated as "Common". The total number of shares that the corporation is authorized to issue is TWO THOUSAND FIVE HUNDRED (2,500) shares, no par value.

ARTICLE FIVE: There are no preferences, privileges, or restrictions granted to or imposed on the Common Stock or the holders hereof.

ARTICLE SIX: The members of the governing board of the corporation shall be styled as directors. The number of directors constituting the first Board of Directors shall be three (3) and the names and post office addresses of the First

1 Board of Directors are:

2 DARRELL LINCOLN CLARK, 3675 Pecos-McLeod, Suite 300,
3 Las Vegas, Nevada 89121.

4 PAMELA M. CLARK, 3675 Pecos-McLeod, Suite 300, Las
5 Vegas, Nevada 89121.

6 SUSAN D. MUNGARAY, 3675 Pecos-McLeod, Suite 300, Las
7 Vegas, Nevada 89121.

8 **ARTICLE SEVEN:** The capital stock of the corporation after
9 the amount of the subscription price or par value has been paid
10 in, shall not be subject to pay debts of the corporation, and no
11 paid up capital stock and no stock issued as fully paid up shall
12 ever be assessable or assessed.

13 **ARTICLE EIGHT:** The names and post office addresses of each
14 of the incorporators are:

15 DARRELL LINCOLN CLARK, 3675 Pecos-McLeod, Suite 300,
16 Las Vegas, Nevada 89121.

17 PAMELA M. CLARK, 3675 Pecos-McLeod, Suite 300, Las
18 Vegas, Nevada 89121.

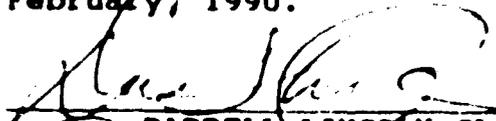
19 SUSAN D. MUNGARAY, 3675 Pecos-McLeod, Suite 300, Las
20 Vegas, Nevada 89121.

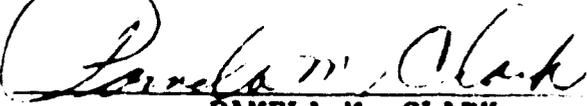
21 **ARTICLE NINE:** The period of existence of this corporation
22 shall be perpetual.

23 **ARTICLE TEN:** The Resident Agent of the corporation is
24 DARRELL LINCOLN CLARK, 3675 Pecos-McLeod, Suite 300, Las Vegas,
25 Nevada 89121.

26 **ARTICLE ELEVEN:** The Board of directors may repeal or amend
27 by By-Laws of the corporation and may adopt new or additional
28 By-Laws.

1 IN WITNESS WHEREOF, these Articles of Incorporation have
2 been signed this 21st day of February, 1990.

3
4 
5 DARRELL LINCOLN CLARK

6 
7 PAMELA M. CLARK

8 
9 SUSAN D. MUNGARAY

10 STATE OF NEVADA)
11) SS.
12 COUNTY OF CLARK)

13 On this 21 day of February, 1990, personally
14 appeared before me, the undersigned Notary Public, DARRELL
15 LINCOLN CLARK, PAMELA M. CLARK, and SUSAN D. MUNGARAY, known to
16 me to be the persons who executed the foregoing instrument, and
17 who acknowledged to me that they executed the same freely and
18 voluntarily, and for the uses and purposes therein stated.

19 WITNESS my hand and Official Seal.



20 Margaret A. Simat
21 Notary Public, State of Nevada
22 CLARK COUNTY
23 My Comm. Expires Nov. 19, 1991

24 _____
25 NOTARY PUBLIC

26 **RECEIVED**
27 MAR 02 1990
28 SECRETARY OF STATE

DARRELL LINCOLN CLARK
ATTORNEY AT LAW
1000 W. WASHINGTON, SUITE 100
LAS VEGAS, NEVADA 89102
702-733-1100

STATE OF NEVADA

Secretary

Of State



FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

MAR 6 1990 CERTIFICATE OF ACCEPTANCE OF APPOINTMENT BY RESIDENT AGENT

FORMER 818 OR FORM 818 SECRETARY OF STATE

No. 1291-90

IN THE MATTER OF Pilot-Plant, Inc.

Name of corporation

I, Darrell Lincoln Clark, with address at Suite 300

Name of Resident Agent

Street 3675 Pecos-McLeod

Town of Las Vegas, County of Clark, State of

Nevada, hereby accept the appointment as Resident Agent of the above-entitled corporation in accordance with NRS 78.090.

FURTHERMORE, that the principal office in this state is located at Suite 300

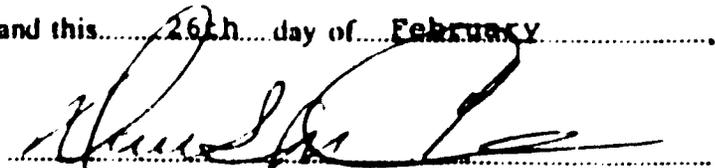
Street 3675 Pecos-McLeod

Town of Las Vegas, County of Clark

State of Nevada.

IN WITNESS WHEREOF, I have hereunto set my hand this 26th day of February

19 90.


Resident Agent

NRS 78.090 Except during any period of vacancy described in NRS 78.097, every corporation shall have a resident agent, who may be either a natural person or a corporation, resident or located in this state, in charge of its principal office. The resident agent may be any bank or banking corporation, or other corporation, located and doing business in this state. The certificate of acceptance must be filed at the time of the initial filing of the corporate papers.

FORM 818 (1-88)

FILE NUMBER

SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF 1891-90

1891-90

PILOT-PLANT, INC.

A NEVADA

CORPORATION.

FOR THE FILING PERIOD 3/90

TO 3/91

The Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

DARRELL LINCOLN CLARK
STE 300
3675 PECOS-MCLEOD
LAS VEGAS NV 89121

Resident Agency
& Principal Place
of Business - Do
not change infor-
mation in this area
before reading
#5 below.

FOR OFFICIAL USE ONLY
FILED (DATE) MAR 22 1990
\$50.00 PAID 90-91

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE

- Names and mailing addresses for all officers and directors
- An officer's signature at the bottom of this form.
- Returned ALL COPIES of this form with the \$50.00 filing fee. A \$15.00 penalty must be added if the form is not returned within 60 days from the date of incorporation.
- Make your check payable to the Secretary of State.
- If you have changed the resident agent or principal place of business, please contact our office for the proper forms to be filed to change before filing this annual list.

FILING FEE \$50 LATE PENALTY \$15

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION OF STATE

NAME	K. IAN MATHESON	TITLE(S)	PRESIDENT
PO BOX	STREET ADDRESS 2215 Lucerne Cir. CITY Henderson ST NV ZIP 89015		
NAME	K. IAN MATHESON	TITLE(S)	SECRETARY
PO BOX	STREET ADDRESS 2215 Lucerne Cir. CITY Henderson ST NV ZIP 89015		
NAME	K. IAN MATHESON	TITLE(S)	TREASURER
PO BOX	STREET ADDRESS 2215 Lucerne Cir. CITY Henderson ST NV ZIP 89015		
NAME		TITLE(S)	DIRECTOR
PO BOX	STREET ADDRESS CITY ST ZIP		
NAME		TITLE(S)	DIRECTOR
PO BOX	STREET ADDRESS CITY ST ZIP		
NAME		TITLE(S)	DIRECTOR
PO BOX	STREET ADDRESS CITY ST ZIP		


Signature of officer

President

3/13/90

Title(s)

Date

Appendix 16

Page 6 of 30 pages

Corporate Data: Pilot Plant, Inc.

Please return ALL copies of this form and your signed check to:
Secretary of State, Capital Complex, Carson City, NV 89710

AUG 17 1990

SECRETARY OF STATE

8894-89 - Suburban, LTD. - 4751
418-87 - Webster-Quincy, Inc. - 4751

4450-80 - - 4751
 4547-79 - - 4751
 6546-88 - - 4751
 6430-87 - - 4751
 4388-83 - - 4751
 5241-89 - - 4751
 3023-90 - - 4751
 - no record
 6364-79 - - 4831
 - no record of status
 - no record of status
 - no record of status - shows Pacific Steel
 1762-87 - - 4751
 - no record - Transfer by Ag.
 - no record of status
 3082-90 - - 4751
 - shows Council District, Owens + Tack
 3081-90 - - 4751
 366-90 - - 4751
 - no record - needs Resolut
 1891-90 - Pilot-Plant, Inc. - 4751
 6843-83 - - 4751
 2056-88 - - 4751
 2436-90 - - 4751 - Duplicates
 130-90 - - 4751
~~130-90~~ - merged/Decided
 131-90 - - 4751
 8888-90 - - 4751
 - already chg.
 - already chg.

4115-86 - Berean Resources, Inc. - 4750
 5007-88 - Trade Partners, Inc - 4751
 1534-89 - Crystal Cubinets - 3911
 2145-87 - Gotthardt, Inc - 4750
 1535-89 - Custom Paintings & Signage, Inc - 4751
 3394-85 - C.B.N. Development & Construction - 4751
 7196-88 - Executive Marble, Inc - 4751
 1267-86 - Enterprise West, Inc - 4751
 2985-87 - Granite Granite, Inc - 4751
 1279-90 - Granite Granite, Inc - 4751
 2077-86 - Granite Granite, Inc - 4751

**CERTIFICATE OF CHANGE OF ADDRESS OF RESIDENT AGENT
(PRINCIPAL PLACE OF BUSINESS)
WITHIN THE SAME COUNTY**

It is HEREBY CERTIFIED That the former address of the Resident Agent of the following corporation (or corporations) was ~~BARNETT ETRIDGE CLARK, 550,~~

Old Address: Street 3675 Pecos-McLeod, Suite 300
City Las Vegas County Clark Nevada Nevada 89121

See List Attached

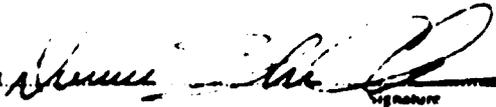
NAME OF CORPORATION

(If there is more than one corporation attach a listing to this form. There is a fee of \$1.00 for each additional corporation.)

AUG 17 1990

It is FURTHER CERTIFIED That in accordance with Nevada Revised Statutes 78.095, the ~~SECRETARY OF STATE~~ Agent of the above-named corporation (or corporations) is now changed to

New Address: Street 2860 E. Flamingo Road, Suite A
City Las Vegas County Clark Nevada 89121

Resident Agent  Signature

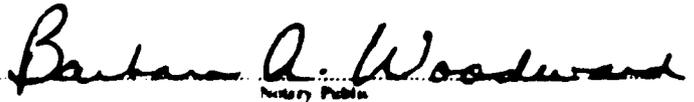
STATE OF NEVADA

COUNTY OF Clark

Subscribed and sworn to before me this 9th day of July, 1990



BARBARA A. WOODWARD
Notary Public, State of Nevada
My Appointment Expires 11/29/1991


Notary Public

FOR OFFICE USE ONLY

Filed (Date)

FILING FEE \$15.00

WHITE - File With Secretary of State - Capitol Complex, Carson City, NV 89710 - Phone (702) 687-5185

YELLOW - File With County Clerk

Appendix 16

Page 8 of 30 pages

Corporate Data: Pilot Plant, Inc.

LIST OF OFFICERS, DIRECTORS AND AGENT OF PILOT-PLANT, INC.

FILE NUMBER

1891-

A NEVADA CORPORATION INCORPORATED ON MARCH 6, 1990.
THIS LIST IS FOR THE FILING PERIOD MARCH 1991 TO MARCH 1992
AND IS DUE BY MARCH 31, 1991.

CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF
IT'S PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS
MAY BE SERVED IS:

BARRELL LINCOLN CLARK
SUITE A
2660 E. FLANINGO ROAD
LAS VEGAS NV 89121

Do not change
information
in this area
before reading
§5 below.

FOR OFFICE USE ONLY

FILED (Date)

FEB 06 1991

91-92 PAID \$50.00

We want to help you get your business with the Office of the Secretary of State completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

1. Included names and mailing addresses for ALL officers and directors. — A President, Secretary and Treasurer must be named.
2. Returned ALL copies of this form with the \$80.00 filing fee. A \$15.00 penalty must be added, if this form is not filed by the deadline listed at the top of this form.
3. Included the signature of an officer of the corporation at the bottom of this form.
4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line or circled information and insert new information above it.
5. If you have changed the resident agent or principal place of business, please contact our office for the proper forms to make the change.
6. Signed your check and have made it payable to the Secretary of State. — If you need a receipt, please enclose a self-addressed, stamped envelope.

(702) 687-5105

JAN 31 1991

NAME: **K. IAN MATHESON** TITLE: **PRESIDENT**

P.O. BOX: STREET ADDRESS: **2215 LUCERNE CIRCLE** CITY: **HENDERSON** ST: **NV** ZIP: **89015**

NAME: **K. IAN MATHESON** TITLE: **SECRETARY**

P.O. BOX: STREET ADDRESS: **2215 LUCERNE CIRCLE** CITY: **HENDERSON** ST: **NV** ZIP: **89015**

NAME: **K. IAN MATHESON** TITLE: **TREASURER**

P.O. BOX: STREET ADDRESS: **2215 LUCERNE CIRCLE** CITY: **HENDERSON** ST: **NV** ZIP: **89015**

NAME: TITLE: **DIRECTOR**

P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

NAME: TITLE: **DIRECTOR**

P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

NAME: TITLE: **DIRECTOR**

P.O. BOX: STREET ADDRESS: CITY: ST: ZIP:

[Handwritten Signature]
Signature of officer

[Handwritten Title]
Title:

[Handwritten Date]
Date:

LIST OF OFFICER

PLOT-PL,
NEVADA CORPORATION INC,

ATED ON MARCH 6, 1990.

THIS LIST IS FOR THE FILING PERIOD MARCH 1992 TO MARCH 1993

AND IS DUE BY MARCH 31, 1992.

INCORPORATION'S DUTY AFFIDAVIT MUST BE FILED IN THE OFFICE OF THE SECRETARY OF STATE OF NEVADA UPON WHOM PROCESS IS BE SERVED IS

DARRELL LINCOLN CLARK

SUITE A

2860 E. FLAMINGO ROAD

LAS VEGAS NV 89121

RECTORS AND AGENT OF

FILE NUMBER

1891-

FOR OFFICE USE ONLY

FILED (Date) MAY 18 1992

32-027418-3010

Do not change information in this area before reading #5 below

want to help you get your business with the Office of the Secretary of State completed in the fastest, most efficient manner. TO AVOID DELAYS, TURNING AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

1. Included names and making addresses for all officers and directors. A President, Secretary and Treasurer must be named.
2. Returned ALL COPIES of the form with the Secretary of State fee of \$1500. (Filing fee to now \$850.00)
3. Included the signature of an officer of the corporation at the bottom of the form.
4. If there are additional officers and directors, attach a listing of them to the form. Last year's information has been preprinted. If you need to make changes, the old outdated information and insert new information above it.
5. If you have changed the resident agent or principal place of business, please contact our office for information and make the change before the filing date.
6. Signed your check and have made it payable to the Secretary of State—if you need a receipt, please request a self-addressed, stamped envelope.

RECEIVED
MAY 15 1992

PRESIDENT
NAME: K. IAN MATHESON
STREET ADDRESS: 2225 LUCERNE CIRCLE
CITY: HENDERSON NV 89015

SECRETARY
NAME: K. IAN MATHESON
STREET ADDRESS: 2225 LUCERNE CIRCLE
CITY: HENDERSON NV 89015

TREASURER
NAME: K. IAN MATHESON
STREET ADDRESS: 2225 LUCERNE CIRCLE
CITY: HENDERSON NV 89015

DIRECTOR
NAME: K. IAN MATHESON
STREET ADDRESS: 2225 LUCERNE CIRCLE
CITY: HENDERSON NV 89015

DIRECTOR
NAME: K. IAN MATHESON
STREET ADDRESS: 2225 LUCERNE CIRCLE
CITY: HENDERSON NV 89015

DIRECTOR
NAME: K. IAN MATHESON
STREET ADDRESS: 2225 LUCERNE CIRCLE
CITY: HENDERSON NV 89015

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

PILOT-PLANT, INC.

A NEVADA CORPORATION INCORPORATED ON MAR 6, 1990.
THIS LIST IS FOR THE PERIOD MAR 1993 TO 1994

1891-4
REPRINTED
04/22/93

IS CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF
ED PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS
IS TO BE SERVED IS:

DARRELL LINCOLN CLARK
SUITE A
2860 E. FLAMINGO ROAD
LAS VEGAS NV 89121

Do not change
information in this
area before reading
#5 below.

FOR OFFICE USE ONLY

FILED (Date) **MAY 17 1993**

92-93 FND \$100.00

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NV. 89700

To want to help you get your business with the Office of the Secretary of State completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

1. Included correct and mailing addresses for ALL officers and directors - A President, Secretary, Treasurer and Directors must be named.
2. Returned ALL COPIES of this form with the \$25.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the deadline listed at the top of this form.
3. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
4. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
5. Signed your check and have made it payable to the Secretary of State - If you need a receipt, please enclose a self-addressed, stamped envelope.

RECEIVED

NAME: **K. IAN MATHESON** TITLE(S): **PRESIDENT**
P.O. BOX: STREET ADDRESS: **2215 LUCERNE CIRCLE** CITY: **HENDERSON** ST: **NV** ZIP: **89015**
MAY 14 1993

NAME: **MICHAEL ANDERSON** TITLE(S): **SECRETARY**
K. IAN MATHESON P.O. BOX: STREET ADDRESS: **2215 LUCERNE CIRCLE** CITY: **HENDERSON** ST: **NV** ZIP: **89015**

NAME: **FARRELL DAZD** TITLE(S): **TREASURER / V.P.**
K. IAN MATHESON P.O. BOX: STREET ADDRESS: **2215 LUCERNE CIRCLE** CITY: **HENDERSON** ST: **NV** ZIP: **89015**

NAME: **RICHARD B. MATHESON** TITLE(S): **DIRECTOR / VP**
P.O. BOX: STREET ADDRESS: **2215 LUCERNE CIRCLE** CITY: **HENDERSON** ST: **NV** ZIP: **89015**

NAME: **MICHAEL I MATHESON** TITLE(S): **DIRECTOR**
P.O. BOX: STREET ADDRESS: **12535 E TENNESSE** CITY: **AURORA** CO: **CO** ZIP: **80012**

NAME: **LENNETH R. MATHESON** TITLE(S): **DIRECTOR**
P.O. BOX: **#140** STREET ADDRESS: **985 NORTH GRANITE REEF** CITY: **SCOTTSDALE** AZ: **85257**

Signature of officer: 

TITLE(S): **AGENT** Date: **MAY 17 1993**

CERTIFICATE OF RESOLUTION TO CHANGE THE RESIDENT AGENT AND/OR CHANGE OF LOCATION OF PRINCIPAL OFFICE

1891-90

PILOT PLANT INC.

NAME OF CORPORATION

FILED
MAY 17 1993

CHIEF CLERK
SECRETARY OF STATE

RESOLVED, that the resident agent and location of principal office was:

Resident Agent DARRELL LINCOLN CLARK
Street No. STE 300 3675 PEROS MILLEOD
City or Town LAS VEGAS NEVADA 8 Nevada 89121

THE ABOVE IS HEREBY CHANGED TO:

Resident Agent KENNETH IAN MATHEWSON 46484
Street No. 2215 LUCERNE CIRCLE
City or Town HENDERSON Nevada 89044

RESOLVED, That the President (or Vice-President) and Secretary (or Assistant Secretary) of this corporation be, and they are hereby, instructed to certify to and file a copy of this resolution in the office of the Secretary of State of Nevada.

WE, the undersigned, President (or Vice-President) and Secretary (or Assistant Secretary) of the above named corporation, hereby certify that the above and foregoing resolutions and/or resolution were duly adopted by the Board of Directors at a meeting held on the 29TH day of APRIL, 1993

[Signature]
President (or Vice-President) X

[Signature]
Secretary (or Assistant Secretary) X

RECEIVED

MAY 14 1993

Secretary of State

CERTIFICATE OF ACCEPTANCE OF APPOINTMENT BY RESIDENT AGENT
I, KENNETH IAN MATHEWSON, hereby accept the appointment as Resident Agent of the above named corporation.
Date APR 29/93
[Signature]
Signature of Resident Agent X

FOR OFFICE USE ONLY
Filed (Date) _____

(RA)

NOTE—Fee \$15.00 for filing resolution. (Refs 78,780(1) and 78,130)

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

JAN 27 1994

CLERK A LAW SECRETARY OF ST

CERTIFICATE OF AMENDMENT OF ARTICLES OF INCORPORATION
(after Issuance of stock)

1897-90

PILOT PLANT INC.

Name of Corporation

We the undersigned President and
President or Vice President

SECRETARY of PILOT PLANT INC.
Secretary or Assistant Secretary Name of Corporation

do hereby certify:

That the Board of Directors of said corporation at a meeting
duly convened, held on the 4TH day of DECEMBER, 1993, adopted
a resolution to amend the original articles as follows:

Article II SEC 13 is hereby amended to read as follows:

THE NAME OF THE CORPORATION BE CHANGED
FROM PILOT PLANT INC. TO PILOT RESEARCH INC.

The number of shares of the corporation outstanding and entitled to
vote on an amendment to the Articles of Incorporation is 2500 ;
that the said change(s) and amendment have been consented to and
approved by a majority vote of the stockholders holding at least a
majority of each class of stock outstanding and entitled to vote
thereon.

Kenneth R. Matheson
President or Vice President
KENNETH R. MATHESON

Michael Anderson
Secretary or Assistant Secretary
MICHAEL ANDERSON

State of ARIZONA ;
County of Maricopa ; ss.

On December 8, 1993, personally appeared before me, a
Notary Public, Kenneth R. Matheson only My Commission Expires June 14, 1997
(name of persons appearing and signing document)

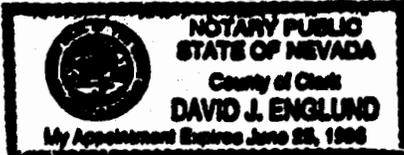
who acknowledged that they executed the above instrument.

Christina R. Dunning
Signature of Notary

(Notary stamp or seal)

STATE OF NEVADA)
) SS:
COUNTY OF CLARK)

On December 1993, personally appeared before me, a Notary Public, Michael D. Anderson, who acknowledged that he executed the CERTIFICATE OF AMENDMENT OF ARTICLE OF INCORPORATION for PILOT PLANT INC.



(Notary stamp or seal)

David J. Englund
Signature of Notary

RECEIVED
JAN 03 1994
Secretary of State

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

PILOT-PLANT, INC.

NEVADA CORPORATION INCORPORATED ON MAR 6, 1990.

THIS LIST IS FOR THE PERIOD MAR 1994 TO 1995. DUE BY MAR 31, 1994.

1891-9

CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF
 PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS
 BE SERVED IS

FOR OFFICE USE ONLY

FILED (Date)

KENNETH IAN MATHESON
 2215 LUCERNE DR
 HENDERSON

NV 89014

Do not change
 information in the
 area before reading
 #5 below.

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NV. 89710

- INSTRUCTIONS - PLEASE READ INSTRUCTIONS BEFORE RETURNING THIS FORM TO AVOID DELAYS. RETURNS AND LATE**
1. Include names and mailing addresses for ALL OFFICERS AND DIRECTORS A PRESIDENT SECRETARY TREASURER AND DIRECTOR NAMED
 2. Return the complete form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the deadline.
 3. AN OFFICER'S SIGNATURE IS NEEDED AT THE BOTTOM OF THIS FORM.
 4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes line out the outdated information and insert new information above it.
 5. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
 6. Sign your check and have it made payable to the Secretary of State - if you need a receipt please enclose a self-addressed stamped envelope.
 7. RETURN THIS FORM TO: SECRETARY OF STATE, CAPITOL COMPLEX, CARSON CITY, NV 89710 (702) 687-6106.

RECEIVED
 FEB 17 1994

NAME: K. IAN MATHESON TITLE: PRESIDENT
 P.O. BOX STREET ADDRESS CITY ST ZIP
 2215 LUCERNE CIRCLE HENDERSON NV 89015

NAME: MICHAEL ANDERSON TITLE: SECRETARY
 P.O. BOX STREET ADDRESS CITY ST ZIP
 2215 LUCERNE CIRCLE HENDERSON NV 89015

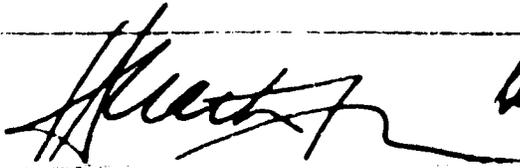
NAME: FAPRELL DRCZO TITLE: TREASURER
 P.O. BOX STREET ADDRESS CITY ST ZIP
 2215 LUCERNE CIRCLE HENDERSON NV 89015

NAME: P.O. BOX STREET ADDRESS CITY ST ZIP TITLE: DIRECTOR

NAME: P.O. BOX STREET ADDRESS CITY ST ZIP TITLE: DIRECTOR

NAME: P.O. BOX STREET ADDRESS CITY ST ZIP TITLE: DIRECTOR

Appendix 16 Page 15 of 30 pages
 Corporate Data: Pilot Plant, Inc.

SIGNATURE OF OFFICER:  TITLE: PRESIDENT DATE: FEB 17/94

L

JUL 15 1994

CERTIFICATE OF AMENDMENT OF ARTICLES OF INCORPORATION
(after Issuance of stock)

Call
1891-90

PILOT RESEARCH INC.

We the undersigned President and Secretary of **PILOT RESEARCH INC.** do hereby certify:

That the Board of Directors of said corporation at a meeting duly convened, held on the 20 th day of May 1994, adopted a resolution to amend the original article as follows:

Article II Section 13 is hereby amended to read as follows:

The name of the corporation be changed from **PILOT RESEARCH INC. TO PILOT PLANT INC.**

The number of shares of the corporation outstanding and entitled to vote on an amendment to the Articles of Incorporation is 2,500; that the said changes and amendment have been consented to and approved by a majority vote of the stockholders holding a least a majority of the common stock issued and outstanding and entitled to vote thereon.

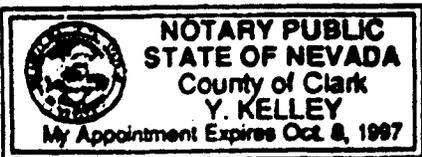
[Signature]
K. I. Matheson
President
[Signature]
Michael Anderson
Secretary

State of Nevada)
) ss:
County of Clark)

JUNE
On ~~May~~ 1994, personally appeared before me, a Notary Public, K. I. Matheson and Michael Anderson, who acknowledged that they executed the **CERTIFICATE OF AMENDMENT OF ARTICLE OF INCORPORATION FOR PILOT RESEARCH INC.**

[Signature]
Signature of Notary

RECEIVED
JUN 21 1994
Secretary of State



LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

PILOT PLANT INC.

A NEVADA CORPORATION INCORPORATED ON MAR 6, 1990.

1891-

THIS LIST IS FOR THE PERIOD MAR 1995 TO 1996. DUE BY MAR 31, 1995.

E CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF
ID PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS
N BE SERVED IS

46484

FOR OFFICE USE ONLY

FILED (Date)

FEB 09 1995

95-96 PAID \$65.00

Do not change
information in this
area before reading
#5 below.

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

RETURN TO: SECRETARY OF STATE CAPITOL COMPLEX, CARSON CITY, NV. 89710

INSTRUCTIONS - PLEASE READ INSTRUCTIONS BEFORE RETURNING THIS FORM TO AVOID DELAYS, RETURNS AND LATE FEES.

- 1 Include names and mailing addresses for ALL OFFICERS AND DIRECTORS A PRESIDENT, SECRETARY, TREASURER AND DIRECTORS MUST BE NAMED.
- 2 Return the complete form with the \$3500 filing fee. A \$1500 penalty must be added if this form is not filed by the deadline listed at the top of this form.
- 3 AN OFFICER'S SIGNATURE IS NEEDED AT THE BOTTOM OF THIS FORM.
- 4 If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
- 5 If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
- 6 Sign your check and have it made payable to the Secretary of State - if you need a receipt, please enclose a self-addressed stamped envelope.
- 7 RETURN THIS FORM TO: SECRETARY OF STATE, CAPITOL COMPLEX, CARSON CITY, NV 89710 (702) 687-5105.

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
K. IAN MATHESON P.O. BOX	PRESIDENT	2215 LUCERNE CIRCLE	HENDERSON	NV	89015

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
MICHAEL ANDERSON P.O. BOX	SECRETARY	2215 LUCERNE CIRCLE	HENDERSON	NV	89015

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
FARRELL DROZO P.O. BOX	TREASURER	2215 LUCERNE CIRCLE	HENDERSON	NV	89015

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
	DIRECTOR				

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
	DIRECTOR				

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
	DIRECTOR				

SIGNATURE OF OFFICER 

PRESIDENT
Title(s)

FEB 5/95
Date

PILOT PLANT INC.

1891-199

FOR THE PERIOD MAR 1996 TO 1997. DUE BY MAR 31, 1996.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

FILED
APR 04 1996
DEAN HOLLER
SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be a director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign this form. **WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form. An annual list received 30 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form and an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capital Complex, Carson City, NV 89710. (702) 887-8105.

FILING FEE: \$85.00 PENALTY: \$15.00

NAME K. IAN MATHESON	TITLE PRESIDENT
PO BOX	STREET ADDRESS 2215 LUCERNE CIRCLE
	CITY HENDERSON
	ST. ZIP NV 89014

NAME MICHAEL ANDERSON	TITLE SECRETARY
PO BOX	STREET ADDRESS 2215 LUCERNE CIRCLE
	CITY HENDERSON
	ST. ZIP NV 89014

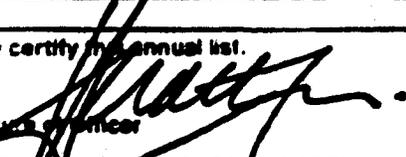
NAME GARRELL DROZD	TITLE TREASURER
PO BOX	STREET ADDRESS 2215 LUCERNE CIRCLE
	CITY HENDERSON
	ST. ZIP NV 89014

NAME	TITLE DIRECTOR
PO BOX	STREET ADDRESS
	CITY
	ST. ZIP

NAME	TITLE DIRECTOR
PO BOX	STREET ADDRESS
	CITY
	ST. ZIP

Appendix 16 Page 18 of 30 pages
Corporate Data: Pilot Plant, Inc.

I hereby certify the annual list.

Signature of Officer 

Date

PILOT PLANT INC.

1891-1970

FOR THE PERIOD MAR 1997 TO 1998. DUE BY MAR 31, 1997.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FEB 07 1997

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

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- 2. If there are additional directors, attach a list of them to this form.
- 3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form. An annual list received more than 30 days before its due date shall be deemed an amended list for the previous year.
- 4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of the completed list and additional \$10.00 and appropriate instructions.
- 5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710 (702) 567-5105

FILING FEE: \$85.00

PENALTY: \$15.00

NAME: K. IAN MATHESON TITLE: PRESIDENT

PO BOX: STREET ADDRESS: 2215 LUCERNE CIRCLE CITY: HENDERSON ST: NV ZIP: 89015

NAME: MICHAEL ANDERSON TITLE: SECRETARY

PO BOX: STREET ADDRESS: 2215 LUCERNE CIRCLE CITY: HENDERSON ST: NV ZIP: 89015

NAME: FARRELL DRIZZ TITLE: TREASURER

PO BOX: STREET ADDRESS: 2215 LUCERNE CIRCLE CITY: HENDERSON ST: NV ZIP: 89015

NAME: TITLE: DIRECTOR

PO BOX: STREET ADDRESS: CITY: ST: ZIP:

NAME: TITLE: DIRECTOR

PO BOX: STREET ADDRESS: CITY: ST: ZIP:

I hereby certify this annual list.

Signature of Officer

Date

FEB 1 1997

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

FILE NUM

PILOT PLANT INC.

1891-1990

FOR THE PERIOD MAR 1998 TO 1999. DUE BY MAR 31, 1998.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FILED

MAR 02 1998

Dean Heller
Secretary of State

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4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4788. (702) 687-5203.

FILING FEE: \$85.00 PENALTY: \$15.00

NAME K. IAN MATHESON PO BOX	TITLE(S) PRESIDENT
STREET ADDRESS 2215 LUCERNE CIRCLE	CITY HENDERSON
ST. NV	ZIP 89015
NAME MICHAEL ANDERSON PO BOX	TITLE(S) SECRETARY
STREET ADDRESS 2215 LUCERNE CIRCLE	CITY HENDERSON
ST. NV	ZIP 89015
NAME FARRELL DROZD PO BOX	TITLE(S) TREASURER
STREET ADDRESS 2215 LUCERNE CIRCLE	CITY HENDERSON
ST. NV	ZIP 89015
NAME PO BOX	TITLE(S) DIRECTOR
STREET ADDRESS	CITY
ST.	ZIP
NAME PO BOX	TITLE(S) DIRECTOR
STREET ADDRESS	CITY
ST.	ZIP

Appendix 16

Page 20 of 30 pages

Corporate Data: Pilot Plant, Inc.

I hereby certify this annual list.

X Signature of Officer

Date

Feb 22/98

PILOT PLANT INC.

1891-1990

THE PERIOD MAR 1999 TO 2000. DUE BY MAR 31, 1999.

the Corporation's duly appointed resident agent in the state of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)

FILED

MAR 02 1999

SECRETARY OF STATE
DEAN HELLER

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

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Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4788. (702) 687-8203.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME	TITLE(S)
IAN MATHESON	PRESIDENT

BOX	STREET ADDRESS	CITY	ST.	ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV	89015

NAME	TITLE(S)
CHAEEL ANDERSON	SECRETARY

BOX	STREET ADDRESS	CITY	ST.	ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV	89015

NAME	TITLE(S)
RELL DROZO	TREASURER

BOX	STREET ADDRESS	CITY	ST.	ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV	89015

NAME	TITLE(S)
	DIRECTOR

BOX	STREET ADDRESS	CITY	ST.	ZIP

NAME	TITLE(S)
	DIRECTOR

BOX	STREET ADDRESS

Appendix 16

Page 21 of 30 pages

Corporate Data: Pilot Plant, Inc.

by certify this annual list.

Signature of Officer

[Handwritten Signature]

Date

REB 3/99

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

PILOT PLANT INC.

FILE NUMBER

1891-1990

FOR THE PERIOD MAR 2000 TO 2001. DUE BY MAR 31, 2000.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)

FILED

MAY 29 2000

Secretary of State

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

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- 5 Return the completed form to Secretary of State, 101 North Carson Street, Suite #3, Carson City NV 89701-4785 (775) 694-5708.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME	TITLE(S)		
K. IAN MATHESON	PRESIDENT		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
NAME	TITLE(S)		
MICHAEL ANDERSON	SECRETARY		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
NAME	TITLE(S)		
FARRELL DROZO	TREASURER		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

Appendix 16
Corporate Data: Pilot Plant, Inc.

Page 22 of 30 pages

I hereby certify this annual list.

X Signature of Officer



Date

MAY 30 / 2000

**ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:
PILOT PLANT INC.**

FILE NUMBER
1891-1990

FOR THE PERIOD MAR 2001 TO 2002. DUE BY MAR 31, 2001.
The Corporation's duly appointed resident agent in the
State of Nevada upon whom process can be served is:

RA# 46484

KENNETH IAN MATHESON
2215 LUCERNE CIR
HENDERSON NV 89014

FOR OFFICE USE ONLY

FILED (DATE)

pb

FILED

MAR 20 2001

Deane Heller
Secretary of State

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FILING FEE: \$85.00 PENALTY: \$15.00

E		TITLE(S)	
IAN MATHESON		PRESIDENT	
BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
E		TITLE(S)	
MICHAEL ANDERSON		SECRETARY	
BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
E		TITLE(S)	
BARRELL DROZO		TREASURER	
BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
E		TITLE(S)	
		DIRECTOR	
BOX	STREET ADDRESS	CITY	ST. ZIP
E		TITLE(S)	
		DIRECTOR	
BOX	STREET ADDRESS	CITY	ST. ZIP

I hereby certify this annual list.

Kenneth Ian Matheson

Mar 10/2001

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

PILOT PLANT INC.

FILE NUMBER

1891-199

FOR THE PERIOD MAR 2002 TO 2003. DUE BY MAR 31, 2002.
 The Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 46484

KENNETH IAN MATHESON

2215 LUCERNE CIR
 HENDERSON NV 89014

FOR OFFICE USE ONLY

FILED (DATE)

FILED # _____

APR 10 2002

IN THE OFFICE OF
 DEAN HELLER, SECRETARY OF STATE

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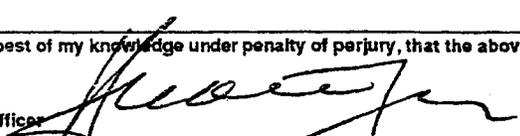
FILING FEE: \$85.00

PENALTY: \$50.00

NAME	TITLE(S)		
K. IAN MATHESON	PRESIDENT		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
NAME	TITLE(S)		
MICHAEL ANDERSON	SECRETARY		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
NAME	TITLE(S)		
FARRELL DROZO	TREASURER		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	2215 LUCERNE CIRCLE	HENDERSON	NV 89015
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

I declare, to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

X Signature of Officer



Date

Appendix 16

Page 24 of 30 pages

Corporate Data: Pilot Plant, Inc.

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

PILOT PLANT INC.

FILE NUMBER

1891-1990

FOR THE PERIOD MAR 2003 TO 2004. DUE BY MAR 31, 2003.
 The Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY

FILED (DATE)

FILED #

FEB 07 2003

IN THE OFFICE OF
Don Hill
 DON HILLER SECRETARY OF STATE

KENNETH IAN MATHESON

2215 LUCERNE CIR
 HENDERSON NV 89014

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- 5 Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$50.00

NAME <i>PATRICK B. McONALIGHT</i>		TITLE(S) PRESIDENT	
P.O. BOX <i>40</i>	STREET ADDRESS 2215 LUCERNE CIRCLE	CITY HENDERSON	ST. ZIP NV 89015
NAME MICHAEL ANDERSON		TITLE(S) SECRETARY	
P.O. BOX <i>40</i>	STREET ADDRESS 2215 LUCERNE CIRCLE	CITY HENDERSON	ST. ZIP NV 89015
NAME FARRELL DROZO		TITLE(S) TREASURER	
P.O. BOX <i>40</i>	STREET ADDRESS 2215 LUCERNE CIRCLE	CITY HENDERSON	ST. ZIP NV 89015
NAME		TITLE(S) DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME		TITLE(S) DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

Appendix 16

Page 25 of 30 pages

Corporate Data: Pilot Plant, Inc.

I declare, to the best of my knowledge under penalty of perjury, that the above mentioned entity, _____

Signature of Officer

Date

COLLIERS INTERNATIONAL

PROFILE



PATRICK McNAUGHT

Investment Division

E-mail: pmcnaught@lvcolliers.com

Web: www.lvcolliers.com/pmcnaught

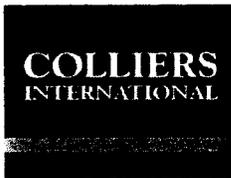
Patrick McNaught comes to Colliers International from Greystone Financial Group a mortgage banking firm he co-founded in 1997. Greystone Financial has expanded into eight states employing over 200 people.

Patrick has been licensed in real estate in the State of Nevada since 1995 when he and his wife Christine McNaught developed and opened Melia Realty Group, a boutique real estate firm focused mainly in high end homes throughout the Las Vegas Valley.

Patrick graduated from the University of Nevada, Las Vegas with a Bachelor of Arts in Business Advertising and Marketing. After attending the University of Nevada, Las Vegas Patrick moved to Arizona to pursue his career with the Professional Golfer's Association (PGA). While playing in the Arizona State Tour Patrick worked for Victoria Properties, a property management company specializing in Industrial and Office Management. He attained his Real Estate License in the State of Arizona in 1994.

Patrick is an active member of the Las Vegas community and has resided in Las Vegas since 1989. Patrick currently sits as the Chairman of the Golf Committee and sits as one of the Board of Governors for the Anthem Country Club. In addition, Patrick holds a position as one of the Board of Directors for Pilot Plant, Inc, a mining corporation that has been established in Nevada since 1990.

Patrick was born in Vancouver, British Columbia, Canada and was raised in Southern Utah. He currently resides in Henderson, Nevada with his wife Christine and their two sons.



COLLIERS INTERNATIONAL
3960 Howard Hughes Pkwy., Suite 150
Las Vegas, Nevada USA 89109
Tel 702-735-5700 Fax 702-731-5709
www.lvcolliers.com

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International with Commercial Real Estate
Offices throughout the Americas, Europe,
Middle East, Asia Pacific and Africa

TELEFAX MESSAGE

from

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Las Vegas Field Office

4701 N. Torrey Pines Dr.

Las Vegas, Nevada 89130-2301

<http://www.nv.blm.gov>

3 page(s) including cover

To: Matt Shumaker 602-906-5577.

From: Joel Mur, BLM Minerals, Las Vegas 702-515-5152, FAX-5023

Date: March 11, 2004

Subject: Copy of letter from Matheson to BLM stating that the new owner of the Becky M Millsite is Pilot Plant Inc. w/ Patrick McNaught as President.

Phone 702 451 4981
Fax 702 451 4939

FEB 14 7 30 AM '03

February 13, 2003

**TO: MARK CHATTERTON,
Assistant Field Manager,
Non-Renewable Resources,
Bureau of Land Management,
4701 Torrey Pines Drive,
Las Vegas, NV 89130**

FROM: IAN MATHESON

RE: YOUR LETTER DATED JANUARY 29, 2003

This letter is in response to your above letter.

1. The new owner of the Becky M mill site is:

Pilot Plant Inc.

New Address: 2955 E Sunset Road, # 102
Las Vegas, NV 89120

Officers:	President	Patrick McNaught
	Secretary	Michael Anderson
	Treasurer	Farrell Drozd

I am no longer an officer, director or signing officer of this company.
I have never been a shareholder of Pilot Plant Inc.

Pilot Plant Inc was the previous owner of the Becky M mill site.

Appendix 16 Page 28 of 30 pages
Corporate Data: Pilot Plant, Inc.

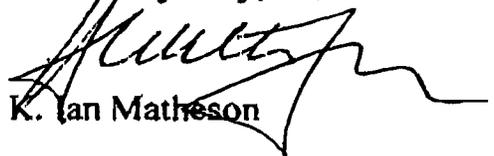
2. None of the corporations I am affiliated with have an ownership position in the Becky M mill site.

3. The Becky M mill site will no longer be used to prepare, process, store or assay samples from the Mijo 16 and Mijo 17 mining claims. After the sale of the mill site all samples from the Mijo 16 and Mijo 17 mining claims were removed.

The reason that the Becky M mill site has been used to prepare samples from the Mijo 16 and 17 claims for the past 3 years is that when Pass Minerals plan of operations was improperly suspended the laboratory at the refinery in Phoenix was put out of business. A new laboratory at the refinery in Arizona is once again in a position to process samples.

I trust you will find this in order.

Yours very truly,



K. Ian Matheson



Dean Heller
Nevada Secretary of State
Corporate Information



Name: PILOT PLANT INC.

Type: Corporation	File Number: C1891-1990	State: NEVADA	Incorporated On: March 06, 1990
Status: Current list of officers on file		Corp Type: Regular	
Resident Agent:	KENNETH IAN MATHESON (Accepted)		
Address:	2215 LUCERNE CIRCLE		
	HENDERSON	NV	89014-
President:	K.I. MATHESON		
Address:	2215 LUCERNE CIRCLE		
	HENDERSON	NV	89015-
Secretary:	PATRICIA LEE NAUGHT		
Address:	2215 LUCERNE CIRCLE		
	HENDERSON	NV	89015-
Treasurer:	MICHAEL I MATHESON		
Address:	2215 LUCERNE CIRCLE		
	HENDERSON	NV	89015-

Return to search menu	Search for another Resident Agent
Search for another Officer	Search for another Corporation



IN REPLY REFER TO:

United States Department of the Interior

OFFICE OF HEARINGS AND APPEALS

139 East South Temple, Suite 600
Salt Lake City, Utah 84111
Phone: 801-524-5344

May 8, 2003

UNITED STATES OF AMERICA,	:	N-66052
	:	
Contestant	:	Involving the Mijo Nos. 16 and 17 Placer
	:	Mining Claims situated in Section 14, T.
v.	:	23 S., R. 63 E., Mount Diablo Meridian,
	:	Clark County, Nevada
PASS MINERALS INC., KIMINCO	:	
INC., PILOT PLANT INC., K. IAN	:	
MATHESON,	:	
	:	
Contestees	:	

RECEIVED

MAY 09 2003

**FIELD SOLICITOR
SALT LAKE CITY, UTAH**

DECISION

Appearances: John W. Steiger, Esq., Salt Lake City, Utah, for Contestant

K. Ian Matheson, pro se, Henderson, Nevada, for Contestees

Before: Administrative Law Judge Sweitzer

On November 16, 1999, the Bureau of Land Management (BLM), United States Department of the Interior, filed a Complaint challenging the validity of the Mijo Nos. 16 and 17 placer mining claims on three grounds: (1) that “[m]inerals have not been found within the limits of the claims in sufficient quantities and/or qualities to constitute a discovery of a valuable mineral deposit”, (2) that “[t]he claims are nonmineral in character”, and (3) that “[t]he claims are not held in good faith.” Named in the Complaint as Contestees are Pass Minerals, Inc., Kiminico, Inc., K. Ian Matheson, Pilot Plant, Inc., Rick J. Vincent Sr., Luther Hendrickson, Brookline Mining Co., Arby J. Vincent, and James T. Roe, III. Because the latter five Contestees failed to answer the Complaint, the allegations of the Complaint are deemed admitted by them and the contest was dismissed with respect to them (see Tr. v. 1:15).¹ 43 C.F.R. §§ 4.450-7(a), 4.451-2. The remaining Contestees (hereinafter referred to as “Contestees”) filed an answer - a three-ring binder labeled “Discovery” - which is not to be considered as evidence (Tr. v. 1:16-17).

¹Because the transcript is not consistently paginated consecutively, references to the transcript include both the volume number and page number(s) separated by a colon.

Total presentation of the case consumed 41 days of hearing intermittently scheduled between April of 2000 and February of 2002. Thereafter, extended periods were allowed for submittal of briefs.

The parties filed post-hearing briefs in support of their respective positions. This Decision incorporates portions of Contestant’s briefs where deemed apropos, without further attribution herein. Contestees’ briefs improperly cite certain proposed exhibits which were not received in evidence (e.g., proposed Exhibits A-69, A-72, A-180, A-181, and A-186) or exhibits received into evidence only for a limited purpose (e.g., Exs. A-51, A-130, A-157, A-171; see Tr. v. 30:4216-18; v. 31:4331-34) and not for the truth of the matters expressed therein (e.g., Exs. A-24, A-51, A-76, A-130, A-171; see Tr. v. 13:2218-23; v. 31:4331-34).

Having reviewed and considered all evidence and briefs, and for the reasons set forth below, I must conclude that the subject placer mining claims are invalid for failure to make a discovery of a valuable mineral deposit. Therefore, it is not necessary to determine whether the claims are nonmineral in character or whether the claims are not held in good faith.

The content of this Decision is subdivided as follows:

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 II. Contestees Failed To Prove The Existence Of A Discovery 20
 By A Preponderance Of The Evidence

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STATEMENT OF FACTS

According to Mr. Matheson, the pro se representative of Contestees, who also testified, the Mijo Nos. 16 and 17 claims (Mijo claims) are owned by Contestee Pass Minerals and Contestee Kiminco, respectively (Tr. v. 2:479). The shareholders of Pass Minerals are Contestee Pilot Plant, Kiminco, and a defunct company called Pure Air (Tr. v. 3:579). The shareholders of Kiminco are Mr. Matheson, his wife Debra Matheson, and Pilot Plant (Tr. v. 3:579). The shareholders of Pilot Plant are Mrs. Matheson's three children (Tr. v. 2:480, 482). Consequently, the ultimate beneficiaries of any monetary gains derived from the Mijo claims are Mr. Matheson and his family.

The Mijo claims lie within the Alumite Mining District (Ex. 2, p. 5). From 1908 to 1937 there was minor gold prospecting and very minor gold production about one to two miles northeast of the Mijo claims (Ex. 2, pp. I, 5). There is no reported history of precious metal interest on the Mijo claims (Ex. 2, p. I).

The claims are situated on an alluvial fan on the northern edge of the Eldorado Valley, about two miles southwest of Boulder City, Clark County, Nevada, and two miles due south of Railroad Pass, which is not far from Las Vegas, Nevada (Ex. 2, pp. 2-3, Map 3). Each claim is 160 acres, with the Mijo 16 claim bordering the Mijo 17 claim to the north (Ex. 2, p. 1, Map 1). Overlapping the Mijo 16 claim and extending to the east thereof is the Becki M mill site claim held by Contestee Pilot Plant (Ex. 2, p. 2; Ex. HH; Tr. v. 3:734-35; v. 23:2849-50).

As more fully described below, the development of the Mijo claims has been interconnected with the development of hundreds of mining claims at the southern end of the Eldorado Valley (see, e.g., Tr. v. 31:4264; v. 33:4671-72). The Eldorado Valley is approximately 30 miles long (running north to south) and 10-12 miles wide (east to west) and the Mijo claims are 27 road miles to the north of the claims in the southern portion of the valley (Tr. v. 1:24-25, 50-51). It is Contestees' contention that the Mijo claims contain gold, silver, and platinum group metals (PGM's), that the gold cannot be reliably detected by standard fire assay for various reasons, including that the gold is colloidal and encased in highly refractory materials, that the claims in the southern portion of the valley contain gold of a similar nature, and that extensive testing was undertaken to develop techniques for processing the material from the valley so that the gold can be assayed and recovered.

Pass Minerals also has an interest in 300 mining claims in the nearby Paiute Valley (Tr. v. 23:2871). Mr. Matheson has always intended to combine operation of the Mijo claims with operation of the Paiute Valley claims as a way of validating the Paiute Valley claims (Tr. v. 23:2872).

The Mijo claims were located on December 16, 1983 (Ex. 2, p. 1). The land encompassed by the Mijo claims was withdrawn from mineral entry on June 6, 1994, for purposes of a proposed land exchange (Ex. 2, p. 3; Tr. v. 9:1570-73; v. 38:5758-59). Prior to expiration of that withdrawal, the land was withdrawn by another segregation on July 23, 1997, which provides that it shall expire in five years (Ex. 2, p. 3; Tr. v. 9:1571; v. 38:5759). Both segregations were timely noted on the Master Title Plat (Tr. v. 39:5758-59).

In January 1996 Mr. Matheson asked BLM to terminate the segregation with respect to the Mijo claims because he believed that the land encumbered by the Mijo claims was no longer being actively considered for inclusion in the land exchange (see, e.g., Tr. v. 16:2935-36; Exs. A-148, A-150, A-185). While his belief might have been accurate at that time (compare Ex. A-148 with Tr. v. 9:1572-73; v. 38:5790-91; v. 39:5803), Mark Chatterton, the Assistant Field Manager for Nonrenewable Resources for BLM's Las Vegas Office, testified that the proposed land exchange is still being considered, that all the lands segregated are still being considered for inclusion in the exchange, and that it is BLM's policy not to take lands out of segregation that were originally proposed for a land exchange until the land exchange is completed (Tr. v. 9:1572-73; v. 38:5760, 5790-91; v. 39:5802-03). The policy is in place because lands are often added or removed right up until the time that a patent is issued completing the exchange (*id.*).

Mr. Matheson first visited the Mijo claims in 1988 (Tr. v. 32:4422). That year he also began working with Jerry Henderson, who conducted 250 tests on material from the Eldorado Valley and developed plans for a pilot plant to process the material.

Through those tests Mr. Henderson became the first person to generate assay results showing the presence of PGM's and fire assay results indicating substantial amounts of gold. The fire assay results were achieved by reassaying each sample six times. (Ex. A-142; Tr. v. 13:2270-74; v. 27:3596, 3609; v. 31:4568-80)

Mr. Henderson reported that he consistently recovered silver, gold, and PGM's in ounces per ton of 30.0, 1.5, and 2.0, respectively (Ex. A-142). However, Contestees failed to show that these reported results were for samples from the Mijo claims (Tr. v. 23:2748; v. 31:4353-55; v. 32:4425-30).

Mr. Matheson became interested in the Mijo claims in 1987 when he met Arby Vincent, Jr. (now deceased) (Tr. v. 13:2258-59). Mr. Vincent was one of the co-locators of the Mijo claims, operated a lab out of a garage in Henderson, Nevada, and owned the Becki M mill site claim until he sold it to Contestee Pilot Plant in approximately 1994 (Ex. 2, Atts. 2-2a, 2-2b; Ex. 37; Tr. v. 4:862-63; v. 26:3442-43).

He also owned a substantial number of claims in the southern portion of the Eldorado Valley until he sold them to Dr. Charles Ager in June 1993 (Tr. v. 13:2349-52). Mr. Matheson facilitated that sale (Tr. v. 25:3297-99).

The digging of trenches on the Mijo claims in 1986 and 1987 by Mr. Vincent is discussed in his affidavits of annual assessment work and by Mr. Matheson in his testimony, but there is no indication that his testimony is based upon personal knowledge. Mr. Vincent reportedly used a backhoe in 1986 to dig 10-foot-deep trenches on the Mijo claims from which 3 tons of "ore" was removed (Ex. A-195, p. 122; Tr. v. 41:6267). The "ore" reportedly was then hauled to the Becki M millsite, screened, and four 500-pound samples per claim were processed to determine the gold values (Ex. A-195, p. 122).

In 1987 Mr. Vincent reportedly used the backhoe to dig 16 trenches, one in the middle of each 20-acre parcel within the Mijo claims (Ex. A-195, pp. 124-25; Tr. v. 41:6219-20, 6244, 6267). The trenches were 10 feet long by 2 feet wide by 5 feet deep (Ex. A-195, pp. 124-25; Tr. v. 41:6244). Mr. Vincent attested that a channel sample was taken from each trench and then each trench was backfilled and reclaimed (Ex. A-195, p. 124; Tr. v. 41:6219).

Whether the trenches were actually dug is questionable, given two factors. First, the evidence thereof is hearsay. Second, BLM mineral examiner, Burrett W. Clay, testified that there is no evidence of the purported trenches in the aerial photographs of the Mijo claims taken in April 1990, June 1994, and September 1999 (Tr. v. 40:6022-27).

However, his testimony was based, in large part, upon the absence of evidence of loss of

vegetation, yet he did not reference aerial photographs which pre-dated the digging of the trenches to assess the vegetative community prior to the alleged disturbances. Consequently, his testimony must be discounted to some degree. In any event, this factual dispute need not be resolved because it is immaterial.

At approximately the same time - from May 1986 to April 1987 - Robert Gunnison used equipment at the Becki M millsite to process samples of head ore taken from the Mijo claims, including samples taken by Mr. Vincent, and samples from the southern Eldorado Valley claims (see, e.g., Ex. 17, p. 22; Tr. v. 4:849-52, 855-56; v. 7:1041-45; v. 19:3410-16; v. 31:4401-06, 4461-62; v. 41:6220). Mr. Gunnison processed the samples using a thiourea leach process known as the "Gunnison Process", which he claims is proprietary (Ex. 17, p. 22; Tr. v. 10:1800; v. 15:157-58, 164-65, 170-74).

According to Mr. Matheson's hearsay testimony, Mr. Gunnison processed and assayed 2,500 to 3,000 samples, each weighing between 500 and 1,000 pounds, from drill holes within the southern claims and 5 to 12 head ore samples, each weighing 500 pounds, from the Mijo claims (Tr. v. 14:29; v. 26:3373-75; v. 31:4401-05; v. 32:4424, 4457; v. 41:6226-27). A substantial amount of tailings should have been generated from the processing of that poundage and should be visible in aerial photographs if deposited at the mill site, yet none were observable in aerial photos nor by Mr. Matheson when he began visiting the site (Tr. v. 32:4461-62; v. 40:6016-17). Nor did Mr. Matheson observe any evidence of a settling pond, despite the fact that each 500 pound test required 120 gallons of water (Tr. v. 32:4461-62).

Mr. Gunnison reported that about 75% of the assays for the samples from the southern claims contained commercial gold and that the assays for the Mijo samples also detected gold values (Ex. 17, p. 22; Tr. v. 31:4404-05). Mr. Matheson testified that Mr. Gunnison was reporting gold values from these bulk samples in the range of 0.15 to 0.20 oz./ton, but later identified 24 assay values averaging only about 0.08 oz./ton from samples taken outside the Mijo claims (Tr. v. 32:4452, 4458, 4464).

The drilling on the southern claims was conducted by Plenty River Mining Company N.C. (see, e.g., Ex. 17, p. 22; Tr. v. 19:3410-16). From 1986 to 1988 Plenty River spent approximately \$6,000,000 on drilling programs and operation of a pilot plant within the southern Eldorado Valley in an effort to locate and recover gold pursuant to joint venture agreements with companies formed by James T. Roe III (Ex. 17, pp. 21-22). Mr. Roe owned claims in the southern part of the valley and was one of the co-locators of the Mijo claims.

Plenty River built a pilot plant, based upon the Gunnison Process, after receiving the results of the assays conducted by Mr. Gunnison (Ex. 17, p. 22). After the pilot plant obtained uneconomic results, Plenty River abandoned the effort and commenced legal action to recover some of its expenditures, alleging that the gold values were uneconomic and significantly below the values claimed by the previous proprietors and joint venture partners (Ex. 17, pp. 21-23; Ex. 77, p. 1; Ex. 78, p. 1).

The record also contains Mr. Vincent's affidavits of annual assessment work on the Mijo claims for the period of September 1987 through September 1992, with the exception of September 1988 through September 1989 (Ex. A-195, pp. 127-33). The affidavits identify the assessment work as development work, including constructing, equipping, and maintaining a research and testing laboratory, drilling, trenching, bulk sampling, loading and hauling, screening, concentrating, metallurgical testing, bulk sample processing, and backfilling any trenches or drill holes (id.).

In 1987, Mr. Gunnison ceased using the equipment on the Becki M mill site (Tr. v. 31:4401-02). That equipment was owned by Mr. Vincent and sat idle until Eugene Phebus, one of Contestees' witnesses, refurbished the equipment in the summer of 1990 (Tr. v. 31:4401-03; v. 30:4055; Ex. A-144).

That refurbished equipment became part of a test processing facility at the Becki M mill site. After refurbishing the existing equipment, Mr. Phebus began building or adding new equipment, concentrating the head ore, and conducting hundreds of tests to improve the effectiveness and efficiency of the processes for concentrating and assaying/recovering precious metals from material taken from the Mijo claims and the southern Eldorado Valley claims. He experimented with using different grinding, concentrating, and furnace systems, leaches, flux combinations, airflow adjustments, assay temperatures, and pre-washes or pre-treatments. (See, e.g., Tr. v. 3:734-36, 739, 743-44, 750, 765, 782; v. 5:868-70, 875, 902-15; v. 6:938-43, 956-62, 966-71, 992-93, 996-98; v. 7:1040, 1042, 1046-48, 1052-53, 1073, 1088-89, 1092-94; v. 30:4074-76; Ex. A-144)

Mr. Matheson testified that this experimentation was part of a larger effort to determine the best methods for concentrating and assaying/recovering precious metals for material taken from the Mijo claims and the southern Eldorado Valley claims (see, e.g., Tr. v. 13:2235, 2263). This effort was spurred, in part, by the alleged fact that substantial amounts of precious metals could not be detected in the material by standard fire assay methods (see Tr. v. 3:747-48; v. 5:37-38; v. 6:1002; v. 8:1448-49).

According to Mr. Phebus, three large pits, each approximately 200 feet by 800 feet, with an average depth of 6 feet, were dug on the Mijo claims using a backhoe during the fall of 1990 (Tr. v. 22:2570; v. 29:3952-56; v. 41:6227, 6244; Exs. HH, A-129, A-183). He testified that these pits were used as major testing areas from which samples were taken and run through a screening plant for three or four years (Tr. v. 29:3928, 3946, 3952-56; v. 38:5602-04, 5625-28).

The screening plant was often used in conjunction with a magnetic separator (Tr. v. 3:747; 7:1040). The screened material was processed through the magnetic separator to obtain a magnetic concentrate referred to as "dirty mags" (Tr. v. 3:747; v. 32:4491-97). Material from the screening plant was then processed through the test facility at the Becki M millsite, with Mr. Phebus varying the procedures and pieces of equipment used (see, e.g. Tr. v. 6:956-62).

With regard to assaying and record keeping, Mr. Phebus testified that he did not consider

himself to be an assayer, relied upon others to a large extent to conduct assays, and depended upon others to record the assay data, either in assay sheets or lab books (Tr. v. 4:862-64; v. 6:962-65; v. 29:3911, 3925-26, 3961-77). He was concerned not with determining precise precious metal values but with improving the processing equipment and methods and producing precious metals (Tr. v. 6:962-65; v. 7:1063).

Gene Smith, who worked for Mr. Matheson, was in charge of quality control and kept the lab books, which reportedly included both assay data and sampling locations (Tr. v. 4:862-64; v. 29:3961-62, 3967-70, 4031). Much of the assaying was conducted at Mr. Vincent's lab, as Mr. Phebus did not assemble an assay lab at the Becki M mill site until 1992 (Tr. v. 4:862-64; Ex. A-144).

Mr. Phebus testified that he took approximately 3,000 samples from the Mijo claims (Tr. v. 29:3900, 3959). Many samples reportedly were taken from 6- to 8-foot deep holes dug on the Mijo 17 claim with a backhoe in a grid pattern spaced 200 feet apart (Tr. v. 7:1090; Ex. A-129, p. 1). He estimated that 60 to 80 percent of the samples were taken by December 1991, during the first 18 months he worked on the claims (Tr. v. 29:3901; v. 30:4054).

Many samples were also taken from a 10-foot by 10-foot area near a survey stake that marks the point where the southeastern corner of the Mijo 16 claim and the northeastern corner of the Mijo 17 claim meet (Tr. v. 28:3763-64, 3769-70). That sample area is referred to as the Mijo 16/17 corner.

According to Mr. Phebus, he produced 1,800 pounds of dore bars and anode mud by processing material taken from the Mijo claims in 1990 and 1991. He testified that the dore bars were derived from concentrating samples, most weighing 250 pounds, which were then smelted in furnaces rented from Mr. Henderson. Some of them were leached before smelting and others were not.

He further testified that the poundage was shipped to James Metallurgical Services, Inc. in Abbotsford, Canada, where he worked in 1998 for approximately four months. During that time he reportedly refined some of the dore bars to remove impurities. He estimated the value of one bar to be \$32,000.

He initially testified that none of the precious metals were sold and that he still had them. Later, he testified that one bar was sold for over \$12,000 in Canadian money and that 60 to 70 percent of the 1,800 pounds of material was left in Canada, including some gold which was eventually sold.

However, there is no record of the \$12,000 sale or other sales. He recalled that the alleged \$12,000 bar was processed without leaching, using a standard flux and smelting procedure. (Tr. v. 6:878-884, 960-62, 1002-06; v. 34:4878-90, 4896, 4932-33, 5043-57; v. 38:5613-5623)

According to Mr. Matheson, he providing funding of \$287,000 to develop the claims by mid-1991 and over \$300,000 prior to purchasing the Mijo claims (Tr. v. 29:3863; v. 31:4244, 4246, 4286; v. 41:6260). Mr. Matheson testified that some of the money was expended to support Mr. Vincent's lab (Tr. v. 22:2676). The date of Contestees' acquisition of the Mijo claims was never identified, but the likely time frame is the later half of 1995 because Mr. Vincent, as the "claimant", signed an Outline for Mining Notice on July 15, 1995 (Ex. 46) and Mr. Matheson identified 1995 as the year of acquisition in his posthearing brief.

Mr. Phebus and other personnel excavating and processing material from the Mijo claims were paid by Mr. Vincent during 1990 and 1991. Mr. Phebus stated that he has lived at the Becki M mill site since July 1990, but periodically stayed at his home in "Prump" as well (presumably a reporter misspelling of Pahrump, Nevada) (Tr. v. 3:734; v. 6:862-63, 1009; v. 7:1094-95). Since mid-1991, neither Mr. Phebus nor any other worker on the Mijo claims has received a salary (Tr. v. 6:1007-08; v. 7:1020-22, 1066).

Instead, Mr. Matheson promised various individuals, including several of Contestees' witnesses, that they would be compensated or receive a piece of the pie once the claims were generating a profit (see, e.g., Tr. v. 18:1393; v. 22:2675-76, 2679-83). Those individuals included Mr. Gunnison and Mr. Phebus (Tr. v. 3:735; v. 6:1008-09; v. 7:1022, 1068; v. 18:1393; v. 22:2675-76, 2679-83).

Based upon the first couple hundred assays done in 1990, Mr. Phebus estimated that the average assay results for gold for the head ore and for the concentrate (concentrated by magnetic separation) were 0.15 oz/ton and 2.0 oz/ton, respectively (Ex. A-129, pp. 1-2; Tr. v. 29:3959, 3962-66). These estimates were based upon assays conducted by Mr. Phebus, Mr. Vincent, and others using a variety of assay techniques (Tr. v. 29:3968-77). The average assay results have risen since then, according to Mr. Phebus (Tr. v. 29:3964-66).

Both he and Mr. Matheson testified that the magnetic concentrate could not be assayed consistently until 1991, when they began using an assay process known as the Belgian Process (Tr. v. 7:1078-80; v. 13:2241). According to Mr. Matheson, the Belgian Process is the assay procedure used by a Belgian assayer, Union Miniere, to assay a sample from the Mijo 16 claim in approximately December 1990.

At that time he placed an 80-pound sample of magnetic concentrate from the Mijo 16 claim into a 5-gallon bucket and sent it to Union Miniere (Tr. v. 3:752-762; v. 13:2241; v. 26:3499; Ex. A-129, p. 2). Mr. Matheson testified that the sample assayed at approximately 10 ounces of gold, 10 ounces of palladium, 4 ounces of platinum per ton of magnetic concentrate (Tr. v. 13:2344-45).

Mr. Matheson further testified that he was encouraged by the assay results from Union Miniere and therefore asked Union Miniere to send him its assay procedure. According to Mr. Matheson, he received the procedure by fax and re-typed it as Exhibit A-16, but there is no documentation of the original transmission of the procedure (see, e.g., Tr. v. 26:3507-11;

v. 31:4357-60).

Various witnesses for Contestees testified that the Belgian Process differs from a standard fire assay in one or more of the following aspects: (1) a greater amount of flux is used, (2) different types of fluxes are used, (3) a large amount of silver is used as an in-quart, (4) the furnace is set at a higher temperature (somewhere between 2,100 and 2,700 degrees), (5) the holding times during firing are longer, and (6) multiple firings are required, with the slag being broken up and refired after each firing (Tr. v. 3:640-41, 647-48, 671, 689, 752-62; v. 5:110-11; v. 6:972-74, 979; v. 7:1078; v. 8:1480-81; v. 15:193; v. 30:4082-83, 4087; v. 41:6243). According to Mr. Matheson, a discovery of a valuable mineral deposit was made no later than Contestees' receipt of the assay results from Union Miniere in early 1991 (Tr. v. 27:3591-95, 3619).

In 1991 Mr. Matheson met Dr. Ager (Tr. v. 20:3477, 3574). Beginning in 1992, mining-related activity decreased on the Mijo claims because Contestees lacked funding and because Mr. Matheson re-directed his efforts towards obtaining financing and permits and working with Dr. Ager to understand "where the gold lives in the ore," i.e., the mineralogical components and structure of the material from the Eldorado Valley and how to assay and recover the precious metals purportedly in that material (see, e.g., Tr. v. 14:22-23; Tr. v. 31:4393-4401; v. 33:4670-71).

One of their conclusions was that the material from the Mijo claims is very similar to that from the southern Eldorado Valley claims owned by Dr. Ager in terms of mineralogical characteristics and responsiveness to metallurgical processes (see, e.g., Tr. v. 17:3004, 3013-14; v. 18:3132-33, 3208). The southern Eldorado Valley claims, collectively referred to as the Eldorado project and totaling 30,000 acres, were acquired between 1991 and 1993 by Dr. Ager and/or companies in which he or his immediate family had a financial interest (see, e.g., Ex. 21, p. 11; Ex. 86, pp. 4, 6; Ex. 89; Tr. v. 19:3459-60; v. 20:3476, 3513-21, 3528-29, 3531-34).

By 1996 Mr. Matheson had not yet secured adequate financing for development of the Mijo claims (Tr. v. 14:18). Several big mining companies had taken and assayed samples from the Mijo claims but the results were unsatisfactory because they could not reproduce the gold values which Contestees were reporting (Tr. v. 14:49-50; v. 23:2874, 2876). The many problems associated with assaying the Mijo material hindered Mr. Matheson's efforts to attract the interest of the big mining companies to participate in development of the claims (see, e.g., Tr. v. 14:49-50; v. 23:2874, 2876, 2879-81).

With the opening of a freeway near the Mijo claims in 1996, Mr. Matheson focused his financing efforts on contracting with sand and gravel operations to remove from the Mijo claims material for their own use and material for Contestees to process for precious metals (see, e.g., Tr. v. 2:487-94; v. 14:18, 62). In this way he could obtain material for processing without incurring any capital or operating extraction costs, as the sand and gravel operator would extract the material using its own equipment; and he would also receive payment from the operator for the material which it removed (see id.; Tr. v. 23:2922-25).

The first such contracting occurred on January 7, 1997, when Mr. Matheson executed on behalf of Pass Minerals two contracts, one with Industrial Construction, Inc., and one with its parent company, Bonanza Material, Inc., (hereinafter collectively referred to as "Bonanza"), now known as Hanson Aggregates Las Vegas, Inc. (Tr. v. 2:487-94; v. 23:2772-73, 2804-08; Ex. A-86; Exs. 28, 29). Bonanza is a ready-mix company (Tr. v. 23:2843; v. 41:6284). Those contracts provided for removal of 3,200,000 tons of material from the Mijo claims and required Bonanza to prepay a royalty of \$75,000 per year for the removed material and to submit a reclamation bond to BLM (Ex. A-86; Tr. v. 2:490; v. 23:2812, 2819-21; v. 25:3183-84).

The bond requirement was included to comply with a condition of Pass Minerals' plan of operations for the Mijo 16 claim, which required submission of a reclamation bond (Ex. A-86). The plan had been approved by BLM on May 24, 1996 (Ex. A-86; Tr. v. 14:23).

Prior to executing the contracts, Bonanza had conducted core drilling on the Mijo claims in September 1996 (Tr. v. 23:2769-73, 2804). Four holes were drilled to a depth of 50 feet at sites selected by Bonanza and then the samples were split between Bonanza and Mr. Matheson (Tr. v. 23:2774-78, 2833-34; v. 41:6268).

Another component of Mr. Matheson's plan to finance development of the Mijo claims was to enlist the services of Mr. Gunnison to hopefully recover sizeable amounts of gold using his leach process in what would amount to a pilot plant operation (Tr. v. 1:213-14; v. 23:2874; v. 27:3548-49). Mr. Matheson chose to work with Mr. Gunnison because (1) he had leached thousands of samples of Eldorado Valley material, including Mijo material, and reported substantial gold values, (2) he knew the costs of leaching the material, (3) he was recommended by Dr. Ager, (4) Mr. Gunnison's company, Energy International, Inc. (EII), was willing to finance construction of a custom mill to process the Mijo material, with an equipment arrangement similar to that used by Mr. Gunnison at the Becki M millsite to leach the samples, and (5) EII's custom mill would be an enlargement of its then existing lab in Phoenix, which was relatively close to the Mijo claims (Tr. v. 15:180-81; v. 22:2676; v. 23:2913; v. 31:4329-31).

By February of 1998 Mr. Matheson was sending samples to Mr. Gunnison at EII for assaying (Tr. v. 22:2671-73; Ex. A-129, pp. 10 thru 11-1). For a magnetically concentrated sample taken in February at a site known as the John No. 2 Hole, which Mr. Gunnison split and assayed four times, he reported gold values in ounces per ton of 23.25, 22.72, 22.57, and 22.88 (Ex. A-129, p.10, 10-1, 10-2; Tr. v. 8:1399-1403; v. 22:2671-73; v. 27:3713-21; v. 30:4683-84).

By a Memorandum of Agreement dated June 18, 1998, Mr. Matheson and Pilot Plant agreed to allow EII to use their belt filter for the exclusive purpose of processing precious metal concentrates from Pilot Plant, Pass Minerals, and Kiminco and EII agreed to process the concentrates at the going market rate (Ex. A-86, p. 9-1). According to Mr. Matheson, EII was willing to and did expend \$600,000 to enlarge its Phoenix facility into a pilot custom mill to handle the anticipated influx of material from the Mijo claims based upon high gold values in the Mijo material assayed by Mr. Gunnison (see, e.g., Tr. v. 22:2676; v. 25:3300-01). Through the arrangements with EII and Bonanza Construction, Mr. Matheson sought to produce a sizeable

amount of gold, with minimal investment by Contestees, to attract one or more big mining companies to become a joint venturer in developing the Paiute Valley and Mijo claims (Tr. v. 23:2859-2875).

Sometime after reaching agreement with Bonanza but prior to contracting with Mr. Gunnison (most likely January 1998), Mr. Matheson requested by letter that BLM jointly sample the Mijo claims with Contestees and supervise the assaying of the head ore, concentrates, and tails to prove that a discovery had been made and avoid a future shutdown of the contemplated operations by Bonanza based upon lack of discovery (Tr. v. 7:1215-18; v. 41:6231-32; Ex. A-37). Mr. Matheson testified that Joel Mur, a BLM natural resource specialist, informed Mr. Matheson that BLM was not going to respond to the request (Tr. v. 41:6232).

In May or June of 1998, Charles Moore began working for Contestees (Tr. v. 8:1341, 1343). Mr. Moore has been mapping subsurface structures in the mining industry using the "Moore Radiometer" since 1979 (Tr. v. 7:1112-13, 1117, 1127; v. 8:1323-32, 1364). He took over 200 samples from the Mijo claims and sent many to Mr. Gunnison for assaying (Tr. v. 7:1119-20; v. 8:1341-42, 1349-50, 1355, 1395-97, 1422).

To comply with the plan of operations bond requirement, Mr. Matheson filed with BLM on June 24, 1998, a copy of a surety agreement naming Bonanza as the principal and the State of Nevada, Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP), as the obligee (Ex. A-86). The surety agreement was deficient because a copy, rather than the original, had been filed, because the agreement failed to name BLM as the obligee, and because no rider was executed stating that the agreement was for the benefit of Contestee Pass Minerals, the operator under the plan of operations (Ex. A-86). Pass Minerals, Inc., 151 IBLA 78, 86 (1999).

By July of 1998 Bonanza was constructing an access road through the Becki M mill site to the Mijo 16 claim (see, e.g., Ex. 89, p. 11; Tr. v. 14:84, 92-95). For ease of stockpiling material, turning trucks around, and accessing by road, Bonanza eventually chose a large flat expanse in the northeast corner of the Mijo 16 claim as its pit area (Tr. v. 8:1427-28). Mr. Phebus testified that he would have located the pit in another location where he knew the gold values were good (Tr. v. 4:830-31).

By August of 1998 Bonanza was removing material from the pit (Tr. v. 33:4809; Ex. A-129, p. 13). The material was utilized as follows: Bonanza took what material it needed for its road base product, the remaining material was run through a magnetic separator to obtain a magnetic concentrate for Contestees, and the nonmagnetic portion of the remainder was used by Bonanza for its road base (Tr. v. 4:831-32, 835; v. 7:1059-60, 1213-14).

The road base and nonmagnetics taken by Bonanza carried gold values, according to Mr. Phebus (Tr. v. 832, 835-36), and constituted 97 to 98 % of the excavated material, according to Mr. Matheson (Tr. v. 23:2819, 2823). Responsive to the huge appropriation by Bonanza of material allegedly containing gold values, Mr. Matheson testified that Contestees focused on

producing and refining the magnetic concentrate because the material is so inexpensive to concentrate into a much higher valued product (see, e.g., Tr. v. 31:4350-51). From the foregoing facts, it is clear that Bonanza was conducting a sand and gravel operation at its own direction, with Contestees being able to obtain a magnetic concentrate as a byproduct thereof.

After Mr. Gunnison indicated that some of the assay values were too low for him to profitably process, particularly for samples from Bonanza's pit area, Mr. Moore, through sampling and use of the "Moore Radiometer", identified two parallel, linear zones of purported mineralization on the Mijo 16 claim, which were often referred to as the "blue structures" during the hearing (Exs. HH, A-50; Tr. v. 7:1119-23, v. 8:1325, 1340-43, 1395-97, 1404-05, 1414-14, 1429). According to Mr. Moore, the blue structures are 1,800 feet deep structures/faults which have acted as riffles entrapping metals likely transported to the area via three hypothermal cross-channels emanating from a hypothermal deposit to the north (Tr. v. 7:1118-21; v. 8:1323, 1325-31, 1343, 1347, 1388-89, 1393-94, 1422). Messrs. Moore, Phebus, and Matheson attributed most of the variation in the assay results for the Mijo samples to their location relative to the blue structures, with higher values generally being derived from within the "blue structures" (Tr. v. 3:888-90, 901; v. 7:1133-35; v. 8:1341-42, 1404-06; v. 23:2906-07; v. 30:4021-22; v. 32:4558-59, 4562-64; Ex. A-51).

Mr. Matheson elaborated that the assay results varied substantially only for the samples of magnetic concentrate, whereas the head ore samples nearly always assayed for gold (Tr. v. 30:4211-12; v. 32:4558-59). He offered no scientific explanation for this observation nor details as to the implied consistency of the head ore values.

Mr. Matheson concluded that the head ore is best assayed by first applying a thiourea leach but that the Belgian Process works best on the magnetic concentrate (Tr. v. 31:4343, v. 33:4718). More generally, several of Contestees' witnesses testified that a leach is superior to any fire assay method for extracting gold from the Eldorado Valley material, including the Mijo material (Tr. v. 5:192-93, 283; v. 14:54; v. 16:2932; v. 17:3049, 3062-63; v. 29:3873; v. 31:4338), and that Mr. Gunnison's proprietary thiourea leach produced the best results (see, e.g., Tr. v. 5:192-93, 283; v. 33:4775).

According to Contestees witnesses, several different people, including Dr. Ager and Merwin (Murray) White, d.b.a. White Technology, have assayed Eldorado Valley material after processing it with a thiourea leach and reported gold values (see, e.g., Tr. v. 6:951-54; v. 7:1051; v. 8:1462-64; v. 27:3594-95; v. 33:4748-49, 4762-63, 4767-68, 4777). The thiourea leach processes of Dr. Ager and Mr. White are alleged to be proprietary, but Mr. White eventually disclosed his process to the mineral examiners (Ex. 44).

In December of 1998, at Mr. Matheson's request, Bonanza dug 12 to 16 pits from which Mr. Matheson intended to take samples for testing (Tr. v. 14:74-77; v. 23:2835-36, 2842-43; v. 32:4430-31; Ex. A-112). Both Messrs. Matheson and Phebus testified that the cacti from those pit areas were removed and planted at the Becki M mill site, with the intent to replant them once the pit areas were refilled (Tr. v. 4:873-74; v. 22:2575; v. 21:2483-84; v. 31:4306-07). Mr. Matheson selected the pit sites at random to blanket the south part of the Mijo 16 claim, but

Contestant proved at hearing that approximately half of the pits were dug outside the Mijo claims to the east (Tr. v. 23:2835-36; v. 32:4425, 4468; v. 40:6011-13).

On January 11, 1999, BLM issued a mineral trespass notice to Pass Minerals and Bonanza alleging that they were removing sand and gravel from the Mijo 16 claim under the plan of operations, which provides for the mining of gold not sand and gravel. BLM asserted that the removed material was being sold for use as sand and gravel without authorization. This assertion was based upon observations that the removed material was being separated for use as road base before any processing for recovery of precious metals. (Tr. v. 7:1213-14; Ex. A-63, p. 5)

In the process of completing the mineral trespass analysis, BLM personnel determined that a validity examination of the Mijo claims should be conducted to determine whether there are precious metals present (Tr. v. 38:5739). That examination was conducted by two BLM certified mineral examiners, Matthew W. Shumaker and Burrett W. Clay (Ex. 2). The mineral examination culminated in the production of a Mineral Report (Ex. 2) and Recommendations and Conclusions (Ex. 3).

Mr. Shumaker is a registered and certified professional geologist who has been teaching geology and related courses for BLM since 1985 and is BLM's National Training Center's Senior Technical Specialist for Geology (Ex. 6). Mr. Clay has been a mineral examiner since 1977, was the primary author of the BLM manual section (3891) on validity examination procedures, is a senior instructor for BLM on validity examination procedures and related subjects, and is currently the Chairman of BLM's National Mineral Examiners Certification Panel, a position which he assumed by selection of his peers (Ex. 1; Tr. v. 36:5296-97).

Messrs. Shumaker and Clay sampled the claims on March 9, 1999, April 14, 1999, and May 13, 1999 (Ex. 2, p. 20). On March 29, 1999, and in February or March of 2000, they also toured EIP's pilot plant in Phoenix where Contestees anticipated refining 2 tons of Mijo material per hour (Ex. 2, p. 8; Tr. v. 1:214; v. 21:2459).

Mr. Matheson or his representatives (including Charles Moore) observed the samplings and were asked where to sample (Ex. 2, p. 20; Tr. v. 1:28; v. 8:1426-27; 40:5977-79). Mr. Matheson did not remember being asked and testified that he told the mineral examiners that the deposit was homogeneous so that he did not care where they took samples (Tr. v. 32:4561-62; v. 33: 4808). Mr. Clay remembered more clearly that Mr. Matheson or a representative indicated areas to sample by reference to a map they brought and by gestures (Tr. v. 1:28; v. 40:5977-79).

Fourteen samples were taken, ranging in size from 0.025 to 0.67 cubic yards (Ex. 2, p. 1). Sample splits and blanks and standards were sent to four reputable assayers, Legend, Inc., Chemex Labs, Inc., Bondar-Clegg, and the Nevada Bureau of Mines and Geology (NBMG) as well as three assayers of Mr. Matheson's preference: Mr. White at White Technology, Jerry Henderson, d.b.a. Complex Metals Research and Development, Inc., and Dr. Donald Jordan, the

proprietor of Metallurgical Research and Assay Laboratory (MRAL) (Ex. 2, p. ii; Tr. v. 1:32-41, 171, 174-75, 200-03). The blanks included at least one sample from the yard of the central Arizona home of either Mr. Shumaker or Mr. Clay which was marked as a sample from the Mijo claims (*id.*).

Mr. Matheson's preferred assayers reported high values for the samples, including the blanks labeled as Mijo samples (Ex. 2, p. ii). Mr. White reported troy ounces of gold per ton ranging from 0.028 to 0.200 for samples marked as Mijo samples, with three of the four highest values for the blanks (Ex. 2, p. 29). Mr. Henderson reported results ranging from 0.02 to 0.16 troy ounces of gold per ton for samples marked as Mijo samples, including results of 0.06 and 0.05 for the blanks (Ex. 2, p. 33). Dr. Jordan likewise reported substantial gold values for the blanks marked as Mijo samples (Ex. 2, p. 37). Also, their results were inconsistent, varied greatly, and did not come close to the known values for the standards (Tr. v. 1:39-40; Ex. 2, p. ii). Consequently, the mineral examiners concluded that they were unreliable and disregarded them for purposes of their economic analysis (Ex. 2, p. ii).

The reputable assayers accurately analyzed the blanks and standards and generally found, using several different assay techniques, that the level of precious metals in the Mijo samples did not exceed the lower detection limit of the technique used, with the highest gold value being only \$0.13 oz./ton at a gold price of \$286/oz. (Tr. v. 1:41, 208-09; Ex. 2, pp. ii, 45). This highest value was greatly exceeded by Contestees' own cost estimate of \$1.00 to mine, screen, and magnetically separate one ton of material (*id.*) and therefore the mineral examiners concluded that Contestees had failed to make a discovery of a valuable mineral deposit (Tr. v. 1:44, 48, 208-09; Ex. 3).

The mineral examiners also noted that EII's pilot plant looked brand new, with little signs of usage. The material processing system included grinding in a ball mill, pumping with water through a sizing device, pumping through PVC pipes into a series of plastic cascading agitation tanks for treatment with a thiourea leach, and then pumping through more PVC pipe onto a belt dryer/filter for separation of the solids from the liquids. This processing system is somewhat similar to one used at times by Mr. Phebus at the Becki M mill site, which Mr. Matheson characterized as the "Model T" version. (Ex. 2, p. 8; Exs. 73, A-115, A-144; Tr. v. 1:126-27; v. 3:788; v. 4:850-53; v. 15:181)

The mineral examiners identified problems with the EII plant, including the mounting of pumps and other items on wood likely to deteriorate as it becomes wet. The PVC piping also lacked durability for handling slurries. More significantly, they noted the absence of an air quality permit or on-site provision for tailings or waste disposal. They were told that the tailings or waste would be dumped at a local landfill. They concluded that the plant could not produce commercial quantities of precious metals, noting that the belt filter would plug up if the contemplated grind of 400 mesh were used. (Ex. 2, p. 8; Exs. 73, A-144; Tr. v. 1:126-27, 179-80, 211, 214-21; v. 2:364).

Subsequent to completion of the Mineral Report, samples from the Mijo claims were

assayed, at BLM's request, by Dr. Paul Lechler of the NBMG, Dr. Ralph Pray, Chemex, and the Center for Advanced Mineral and Metallurgical Processing (CAMP) (see, e.g., Exs. 4, 5, 39, 43, 45, 67; Tr. v. 1:39-40; Tr. v. 37:5494-95, 5506-08; v. 38:5734-36, 5840-42, 5901-09; 40:5967-71). Using several different assay techniques, they found either no gold or trace amounts of gold (id.).

On January 19 and 21, 1999, Contestees shipped two truckloads totaling fifty tons of material - which was extracted from the Mijo claims by Bonanza and concentrated by magnetic separation - to Mr. Gunnison at EII's custom mill in Phoenix for recovery and refining (Tr. v. 23:2823, 2906; Ex. 2, p. 7; Ex. A-86, p. 9-4). Mr. Gunnison had requested the two truckloads to "break in" the newly upgraded pilot mill (Tr. v. 23:2906-10).

Shortly after issuance of the mineral trespass notice, Messrs. Matheson and Mur discussed entering into an escrow agreement (Tr. v. 7:1172, 1227). Draft agreements were produced, including one which BLM sent to Mr. Matheson on February 25, 1999 and which required Pass Minerals to pay into escrow \$0.65 per ton of material removed for sale as common mineral material, pending resolution of the trespass investigation and any appeals relating thereto (Tr. v. 7:1230-42; Exs. 40, 49; Ex. A-63, pp. 10-13).

However, BLM ultimately refused to enter into an escrow agreement (Tr. v. 7:1230-42; v. 10:1704, 1717-18, 1812-14; Ex. 49). Mr. Matheson later challenged BLM's refusal before the Interior Board of Land Appeals (IBLA) and the IBLA upheld BLM's refusal (see, e.g., Tr. v. 30:4211-12).

Bonanza did not operate on the claims after receipt of the mineral trespass notice and its relationship with Contestees terminated in the spring of 1999 for several reasons, including that a representative of Bonanza lied to Mr. Matheson and that Bonanza had bought land next to the Mijo claims to use as a quarry (Ex. A-86; Tr. v. 2:492; v. 7:1213-14; v. 14:36-37, 62; v. 21:2810-12, v. 23:2808-19, 2826-29, 2838-41; v. 38:5739). Mr. Matheson then arranged for another sand and gravel operation, ARC Minerals, Inc., d.b.a. CRS, to drill three holes on the Mijo claims on February 22, 1999,² with CRS choosing the locations and the depth of 100 feet (Ex. A-129, pp. 22 thru 23-12; Tr. v. 14:90, 92; v. 21:2454; v. 23:2841, 2845-49; v. 28:3759; Ex. A-86, p. 3-8).

On April 28, 1999, Mr. Matheson executed an agreement on behalf of Pass Minerals with CRS in which CRS agreed to remove 400,000 tons of material annually for both parties' benefit, pay into an escrow account \$0.65 per ton of removed material, and pay Pass Minerals an annual royalty of \$100,000 (Tr. v. 2:490, 492; v. 14:61, 64; Ex. 27). CRS never removed any material because of the risk that removal would constitute a trespass and BLM's refusal to agree to an

²Mr. Matheson identified two different times for the drilling: February 22, 1999 and April 1999 (compare Tr. v. 21:2454 with Tr. v. 14:90, 92; v. 23:2841), but the great weight of evidence shows that the correct date is February 22, 1999

escrow arrangement (Tr. v. 23:2915-16, 2919).

Earlier in April (April 5), the Field Office Manager, Las Vegas Field Office, BLM, had issued a decision suspending Pass Mineral's plan of operations for two reasons: (1) Pass Minerals had failed to post and maintain a reclamation bond, and (2) a validity examination of the Mijo claims was ongoing (Ex. A-63, p. 14; Tr. v. 39:5745). At that time, EII had not yet processed the two truckloads of concentrate delivered in January because, according to Mr. Matheson, the new plant was not yet operational due to the absence of eye wash stations (Tr. v. 23:2911-12).

Contestees never sent additional material to EII because EII never processed the two truckloads nor requested additional material (Tr. v. 23:2906-10). Mr. Matheson testified that EII did not process the material because it did not want to train 14 or 15 of the 20 people necessary to operate the plant until the suspension of Pass Minerals' plan of operations was lifted so that a supply of material was available to keep the plant running (Tr. v. 21:2459; v. 22:2634).

In June of 1999, Gene Strickland, who apparently was the majority owner of EII, notified Mr. Matheson that EII would cease operation as a going concern effective June 30, 1999, because it could no longer anticipate a steady supply of concentrate from Pass Minerals (Ex. A-86, pp. 9-5, 9-6; Tr. v. 23:2891-93, 2896-97). On September 1, 1999, Mr. Strickland leased EII's Phoenix plant to Joe Fahey (Tr. v. 14:24; v. 23:2896-97; Ex. A-86).

By decision dated July 30, 1999, the Nevada State Director, BLM, upheld the Field Office Manager's decision suspending Pass Minerals' plan of operations (Ex. A-86). By decision dated November 3, 1999, the IBLA set aside the State Director's decision, holding, among other things, that Pass Minerals cured the bonding deficiencies prior to the issuance of the State Director's decision. Pass Minerals, Inc., 151 IBLA at 86.

Sometime prior to issuance of the IBLA's decision, BLM returned any bonds which had been filed to the bond issuer (Tr. 23:2830). Consequently, after issuance of the IBLA's decision, BLM informed Mr. Matheson that a bond would have to be properly filed before the plan of operations would be considered approved so that Pass Minerals could proceed to mine under the plan (Ex. 48; Ex. A-63, p. 21; Tr. v. 10:1797-99; v. 5745-46).

By letter dated July 28, 2000, BLM informed Mr. Matheson that Pass Minerals plan was considered approved and that it was free to resume mining thereunder (Ex. 48; Tr. v. 10:1797-99; v. 5745-46). Mr. Matheson testified as to various attempts he then made to interest mining companies and refineries in development of the Paiute Valley claims and/or Mijo claims (see, e.g., Tr. v. 23:2860-70). However, Pass Minerals was unable to resume mining on the Mijo claims because Contestees could not raise the approximate sum of \$4 million necessary to acquire new extraction and concentrating equipment nor attract a joint venture partner or another sand and gravel operator to supply the equipment, and because Mr. Matheson was not interested in starting a public company or purchasing or renting used equipment (Tr. v. 23:2915, 2919-26).

According to Mr. Matheson, they could not attract a sand and gravel operator because BLM had taken the position that any sand and gravel removal operation constituted a trespass and BLM would not agree to allow removal with payments into escrow for the removed material (Tr. v. 23:2915-16, 2919). In September of 1999, while trying unsuccessfully to convince BLM to accept an escrow arrangement, Mr. Matheson did succeed in obtaining Mr. Strickland's verbal agreement to make available EII's Phoenix plant to recover any precious metals from the Mijo material, subject to certain conditions, including that Mr. Matheson put extraction and concentrating equipment on the Mijo claims (Tr. v. 23:2898-2905; v. 24:3133-35; Ex. 24). According to Mr. Matheson, that agreement was never carried out because BLM would not agree to the escrow arrangement and because Mr. Strickland died on October 3, 2000 (Tr. v. 14:30; v. 21:2461-63; v. 23:2903-04).

Mr. Matheson testified that he is now trying to raise \$120,000 to build with Mr. Gunnison a small facility capable of refining 20 tons per hour (Tr. v. 21:2473, 2875; v. 25:3302-09). He has also contacted various mining companies and refineries, but there are currently no agreements nor negotiations underway with any company to assist in development of the Mijo claims (see, e.g., Tr. v. 23:2856-65, 2879, 2890).

During 2001 the mineral examiners sent samples to Dr. W. T. Yen of Queens University, Dr. Jordan of MRAL, Claire Rogers, proprietor of Rogers Research, and Roger Smid, all of whom are assayers used by Contestees or Mr. Vincent (Tr. v. 39: 5804-19; Exs. 54 thru 57). The samples included blanks from Mr. Shumaker's front yard and various standards, all of which were either identified as samples from the Eldorado Valley or left unidentified (Tr. v. 39:5804-19). Mr. Shumaker convincingly testified that each of the assayer's reported results are incompetent (id.).

DISCUSSION

I.

Contestant Established A Prima Facie Case

When the Government contests the validity of a mining claim, it bears only the burden of going forward with sufficient evidence to establish a prima facie case. United States v. Knoblock, 131 IBLA 48, 101 I.D. 123, 141 (1994). A prima facie case means that the case is completely adequate to support the Government's contest and that no further proof is needed to nullify the claim. Id. It is axiomatic that the determination of whether or not the Government has presented a prima facie case is necessarily limited to the evidence presented by the Government in its case-in-chief. Id. Once a prima facie case is presented, the burden shifts to the claimant to overcome this showing by a preponderance of the evidence, but only with respect to those issues for which the Government has established a prima facie case. United States v. Multiple Use, Inc., 120 IBLA 63, 110 (1991); United States v. Miller, 138 IBLA 246, 268-70 (1997).

In this case the Government contests the validity of the Mijo claims based, among other things, upon the allegation that each lacks a discovery of a valuable mineral deposit. In order to be valid, a mining claim must contain, within its boundaries, a "valuable mineral deposit." United States v. Collord, 128 IBLA 266, 268 (1994), aff'd in relevant part, rev'd in part, Civ. No. 94-0432-S-EJL (D. Idaho Sept. 28, 1994), aff'd, 154 F.3d 933 (9th Cir. 1998) (citing 30 U.S.C. § 22; Best v. Humboldt Placer Mining Co., 371 U.S. 334, 335 (1963)).

The standard utilized to determine whether a discovery of a valuable mineral deposit has been made is the "prudent man" test. United States v. Coleman, 390 U.S. 599 (1968). Accordingly, there must be found within the limit of the contested mining claim mineral of such quality and quantity as to justify a person of ordinary prudence in the further expenditure of his labor and means with a reasonable prospect of success in developing a paying mine. Converse v. Udall, 399 F.2d 616 (9th Cir. 1968), cert. denied, 393 U.S. 1025 (1969); United States v. Lederer, 144 IBLA 1, 9 (1998).

One means for determining whether there will be a "paying mine" is to apply the "marketability test." Multiple Use, Inc., 120 IBLA at 80. Application of this test presupposes the established existence of a mineral deposit, United States v. White, 118 IBLA 266, 312 (1991), and requires a showing that the evidence is of such a character that there is a reasonable prospect that the commercial value of the deposit will exceed the cost of extracting, processing, transporting, and marketing the contained mineral. Multiple Use, Inc., 120 IBLA at 80. In other words, to have a reasonable prospect of success in developing a paying mine, the mine owner must be able to demonstrate, as a present fact, considering historic price and cost factors and assuming they will continue, that there is a reasonable probability that the mineral can be extracted and marketed at a profit. Id. at 80 n.16.

A prima facie case is made when a Government mineral examiner offers his expert opinion that a discovery of a valuable mineral deposit has not been made within the boundaries of a contested claim, provided that such opinion is formed on the basis of probative evidence of the character, quality and extent of the mineralization allegedly discovered by the claimant and on the proper standard for determining whether a discovery has been shown to exist. United States v. Hooker 48 IBLA 22, 28 (1980). The Government mineral examiners determined that no discovery of a valuable mineral deposit existed on either of the claims based upon the reliable assay results showing platinum group metals in concentrations no greater than the average crustal abundance and the highest gold value to be \$0.13 per ton of extracted material at a gold price of \$286 per troy ounce (Ex. 2, pp. ii, 45).

They opined that "the gold price would have to significantly exceed the historic high of nearly \$900 per troy ounce by an order of magnitude just to begin to pay the current dollar costs for this operation." (Ex. 2, p. 45). Using Contestees own cost estimate of \$1.00 per ton for mining, screening, and magnetic separation and the highest gold value of \$0.13 per ton, the mineral examiners noted that a net loss of \$0.87 per ton would result. The loss would actually be greater because the cost estimate excludes costs for disposal of oversize material, crushing and grinding, transportation, environmental mitigation, reclamation, and refining and because the

calculation assumes 100% gold recovery, no impurities in the gold, and no mill loss (Ex. 2, p. 45).

Their determination is well-supported by the Mineral Report (Ex. 2) and their testimony (Tr. v. 1, 2). This evidence from Government examiners, who have had sufficient training and experience to qualify as an expert witnesses, establishes a prima facie case. See United States v. Gillette, 104 IBLA 269, 274-75 (1988).

In their posthearing briefs, Contestees do not argue that the Government failed to establish a prima facie case. They do challenge the honesty, integrity, thoroughness, and expertise of the Government examiners and some of the actions taken by the Government subsequent to location of the Mijo claims, but those challenges do not show that the Government failed to establish a prima facie case. To the extent they may be material, the challenges are discussed below.

II.

Contestees Failed To Prove The Existence of A Discovery By A Preponderance Of The Evidence

Because Contestant established a prima facie case of no discovery, the burden shifted to the Contestees to prove the existence of a discovery by a preponderance of the evidence. Multiple Use, Inc., 120 IBLA at 110; Miller, 138 IBLA at 268-70. Contestees adduced much evidence at hearing as to their efforts to allegedly develop the claims and achieve production readiness up to the point when Pass Minerals' plan of operations was suspended, asserting that such efforts were those that a reasonably prudent person would have taken.

They argue that the "prudent man" test has been satisfied, citing to United States v. Flurry, A-30887 (Mar. 5, 1968) for the proposition that "the most persuasive evidence as to what a man of ordinary prudence would do with a particular mining claim is what men have, in fact, done or are doing * * *." Id. at 7. However, the question to be answered in determining whether a mining claimant has made a discovery of a valuable mineral deposit is not whether the claimant took actions that a reasonably prudent person would have taken but, rather, whether the claimant has found within the limits of the contested mining claim mineral of such quality and quantity as to justify a person of ordinary prudence in the further expenditure of his labor and means with a reasonable prospect of success in developing a paying mine.

The quoted language of the Flurry decision must be read in context. The quoted statement was a prelude to the finding that "[t]here is no evidence in the record that men, prudent or otherwise, have exhibited any inclination to devote their labor or their means to the development of a mine * * *." Id. at 8. In that case evidence of lack of development of the contested claims for nearly 33 years, as well as other evidence, led the deciding official to conclude that no discovery had been made. Id. at 7-8.

It does not follow that evidence of development of a claim by the mining claimant establishes the existence of a discovery. "[T]he prudent man standard is an objective standard. * * * The prudent man rule requires the claimant to submit proof that a prudent man would develop a mine. It is not enough that a claimant himself desires to do so if the evidence leads to the conclusion that a prudent man would not." United States v. Foresyth, 100 IBLA 185, 209-10, 94 I.D. 453, 467 (1987).

Even where there is evidence that a claimant was actually mining a claim at a small profit, a finding of no discovery was made because "a prudent man would not develop a mine which promised a profit below the return for a commercial venture." United States v. Kottinger, 14 IBLA 10, 16 (1973). Contestees evidence of development of the claims does not show that they were mining the claims at a profit nor, more importantly, that there is a reasonable prospect of success in developing a profitable mine.

With regard to the critical issue of whether such a prospect exists, Contestees claim that they have discovered a very rich deposit of gold, silver, and platinum group metals, but that special and often proprietary assay methods are necessary to detect it. They contend that this is a new type of deposit previously unknown to the mining industry and can be mined at very low cost.

In contrast, Contestant's investigation shows the area to be a typical Basin and Range valley filled with indistinct alluvium. Using largely conventional assay techniques, Contestant generally has not detected precious metals above the average crustal abundance.

At first glance, this gross disparity between the parties' positions is perplexing. However, after consideration of the witnesses' credibility, the reputations, qualifications, and reliability of the assayers, and the quality of the data and analyses, I must conclude that Contestant's position is correct and that Contestees have not met their burden of proving that a discovery of a valuable mineral deposit had been made.

In general, Contestant's witnesses were more credible than those of Contestees. Furthermore, the assayers and data and analyses upon which Contestant's witnesses relied are also more reliable and credible than those upon which Contestees' witnesses relied.

Contestant applied a number of well-established conventional analytical methods, ranging from fire assay, leach extraction, instrumental analyses, and electron microscopy, to samples from the claims and found no anomalous precious metal values using any of them. The chain of custody for all the samples analyzed by Contestant's experts was established. Contestant's experts explained that the methodologies used are reliable, regardless of the structure and composition of the analyzed material and specifically with respect to the Mijo material.

Contestees, on the other hand, typically relied upon unusual analytical methods, often claimed to be proprietary, that produced widely scattered results, frequently with extraordinarily

high values. The reliability and representativeness of their data was further undermined by poor record keeping of sampling and assay details. To the extent Contestees' witnesses explained their theories why the conventional analytical methodologies would not work, those theories generally were not supported with adequate data and were refuted by Contestant's experts.

As discussed below, Contestees failed to meet their burden of proof in at least two respects: First, the weight of the evidence establishes that the Mijo claims do not contain valuable minerals. Second, assuming, arguendo, that valuable minerals exist, Contestees failed to show the extent of the deposit or reserves.

A.

Factors Adversely Affecting The Credibility of Witnesses Significant To Contestees' Case

Contestees called the following witnesses: Ernest Gene Phebus, Clyde Smith, Jerry Henderson, William Guay, Charles Moore, Joel Mur, Merwin White, Mark Chatterton, Roger Haskins, Charles Morris, Charles Ager, K. Ian Matheson, Thomas Leshendok, Burrett Clay, and Matt Shumaker. Messrs. Mur, Chatterton, Haskins, Leshendok, Clay, and Shumaker are all BLM employees. Except for the BLM witnesses and possibly a few others, Contestees' witnesses' credibility is poor or questionable because of one or more factors, including demonstrated deceptiveness before and/or during their testimony, displays of incompetent performance of mining-related functions, poor reputations, convictions for crimes involving dishonesty, limited expertise, inconsistent statements, and/or farfetched assertions.

Ernest Gene Phebus

Mr. Phebus was the primary witness upon which Contestees relied to demonstrate a discovery before the date the lands were segregated from operation of the mining laws. Mr. Phebus' testimony is not entitled to substantial weight because of his dishonesty under oath and his questionable expertise in assaying and metallurgy.

BLM Special Agent Randolph August testified that Mr. Phebus was convicted of burglary in 1955, for which he served time in the Illinois State Penitentiary, and of theft of interstate shipments in 1976, for which he was given a five-year suspended sentence (Tr. v. 40:6145). Contrary to the truth, Mr. Phebus repeatedly denied the existence of those prior criminal convictions (see, e.g., Tr. v. 7:1067-68; Tr. v. 8:1320-21).

Mr. Phebus also falsely and repeatedly testified regarding the existence of the three 200-foot by 800-foot pits which allegedly were used as major sampling areas on the Mijo claims (Tr. v. 29:3928, 3946, 3952-56; v. 38:5602-04, 5625-28; Exs. HH, A-129, A-183). According to him, those pits were created in the fall of 1990 and filled in during 1993 (Tr. v. 22:2570; v. 29:3952-56; v. 41:6227, 6244). However, a review of aerial photos taken in April 1990, June

1994, and September 1999 shows that these pits never existed (Tr. v. 40:6004-08, 6036-37).³

Mr. Phebus originally identified the location of the pits on page 1 of Exhibit A-129, but later provided corrected locations on a map labeled Exhibit A-183 (Tr. v. 38:5601-05). That map depicts a north-south bladed road within the Mijo claims close to their eastern border which has existed since before 1990, according to him (Tr. v. 38:601-05, 625-27). In actuality, there is a north-south stream drainage without manmade alterations in the purported location of the road and the only road fitting Mr. Phebus' description lies 300 feet east of the Mijo claims (Tr. v. 40:6002-03).

Another example of a false statement made by Mr. Phebus is his testimony that he lived at the Becki-M mill site since July 1990, except for periodic stays at his home in Pahrump, Nevada (Tr. v. 3:734; v. 6:1008-09; v. 7:1094-95). In contrast, in 1992 he told Agent August that he lived in California for six months of the year and provided Agent August with a California driver's license showing a Daly City address (which is near San Francisco) (Tr. v. 40:6145-46).

Mr. Phebus testified that he is not an assayer, chemist, or engineer but, rather, specializes in designing and building milling and processing equipment (Tr. v. 4:853-54; v. 7:1060-66). He did not attend college (Tr. v. 7:1064) and evidenced a less than thorough understanding of metallurgical principles.

Dr. Corby Anderson, who is an expert in metallurgical engineering, heard Mr. Phebus' testimony regarding numerous pieces of equipment that Mr. Phebus alleged he had constructed (Tr. v. 38:5666). Based on Mr. Phebus' explanation of the equipment he built, Dr. Anderson concluded that Mr. Phebus does not "have any competency at all" in designing milling and processing equipment and failed to display "any understanding of fundamental metallurgical principles" (Tr. v. 38:5688-89). Dr. Anderson then explained the basis of his conclusions, using several pieces of equipment Mr. Phebus designed as examples (Tr. v. 38:5688-91). This evidence casts further doubt upon the credibility of Mr. Phebus' testimony, especially those portions regarding the reliability of the processes for assaying and recovering precious metals from the Mijo claims.

³The testimony and conclusion that the pits never existed is based, in part, upon the fact that the status of the vegetation did not reflect any disturbance. In an apparent attempt to suggest that the pits were not noticeable because they had been revegetated, Mr. Matheson testified that Mr. Phebus told him they had been revegetated (Tr. v. 32:4471). However, Mr. Matheson also stated that he had no idea whether the pits had been revegetated and Mr. Phebus did not mention any revegetation of those pits, despite having his direct examination conducted by Mr. Matheson and despite testifying as to the removal of cacti for replanting where pits were dug in 1998 (Tr. v. 4:873-74; v. 32:4471). Thus, there is insufficient evidence of revegetation of the purported three large pits.

Charles Ager

Contestees' main expert witness was Dr. Charles Ager. Dr. Ager's credibility is questionable because of his actions relating to the so-called Delgratia salting scam, his evasiveness and lack of truthfulness during the hearing, and his bias in this proceeding. Much of the evidence regarding Dr. Ager's involvement in the Delgratia debacle resulted from the investigation of Special Agent August, a law enforcement officer for the BLM. Agent August, who is trained and experienced in investigatory techniques (see Tr. v. 40:6117-18), interviewed numerous people associated with Delgratia matter and received from them a number of documents.

Although the statements taken from these people and the documents produced by them are hearsay, this evidence is credible for a number of reasons. First, Agent August, who is trained to identify characteristics demonstrating untruthfulness, did not perceive such characteristics in his interviews with the relevant individuals (see Tr. v. 40:6171, 6185). Second, the written statements he took (all contemporaneous with his interviews) and documents he received (some are affidavits) are corroborative and consistent, not only in time but between individuals (see Tr. v. 40:6137-38; v. 41:6164-66, 6168, 6169-70, 6173, 6182-83; Exs. 75, 76, 83, 84, 85, 86). Third, Dr. Ager confirmed in his testimony the general sketch of the Delgratia debacle. Fourth, much of the evidence uncovered by Agent August was not rebutted by Contestees.

The Delgratia "salting scam" was precipitated by the location of a 9,000-acre block of 56 claims known as the "Josh claims" or "Josh project" (Tr. v. 19:3459-60; v. 20:3476). Those claims are a subset of Dr. Ager's larger Eldorado project (*id.*). The Josh claims were located pursuant to a partnership agreement executed in July 1993 by eight entities, including Contestee Pilot Plant and three companies for which Dr. Ager, his daughter, or his wife was President (see Tr. v. 20:3513-23; Ex. 19).

Mr. Matheson is the President of Pilot Plant, the registered agent of each of the remaining co-locators, and the Treasurer of the partnership (Exs. 19, 89; Tr. v. 20:3514-15). He is also the registered agent for Cactus Gold Corporation, Valley Gold Corporation, and Delgratia Mining Corporation (Delgratia) (Ex. 89), companies which are further discussed below. In addition, he disbursed funds for Dr. Ager to pay for various mining-related activities during the 1990's (Tr. v. 26:3425-29; v. 33:4784, 4787-90, 4799-4800).

The co-locators sold the Josh claims in August 1994 to Cactus Gold Corporation, a company in which Dr. Ager is indirectly the majority shareholder (Tr. v. 20:3519-23, 3529-32). In return for receipt of the claims, Cactus Gold assumed debts incurred in developing the claims, committed to developing and maintaining them, and agreed to the claims holders' retention of a royalty interest in the net profits of development (Tr. v. 20:3520-23). Pilot Plant still retains its royalty interest in the Josh claims (Tr. v. 20:3519, 3522-23; v. 25:3281-83, 3285, 3289).

In August 1996 the Josh claims were sold to Valley Gold Corporation, which is wholly

owned by the Nevada Gold Corporation, which, in turn, is wholly owned by Philgold Investment Inc. (see, e.g., Tr. v. 20:3523; Ex. 84, ¶¶ 10, 12; Ex. 85). At all relevant times, Dr. Ager was President of Valley Gold, Nevada Gold, and Philgold and a director of Valley Gold and Philgold (Ex. 85; Tr. v. 20:3523).

Fifty percent of Philgold's shares are owned by Dominion Explorers Inc. (Ex. 85). That corporation's President is Dr. Ager and it is indirectly owned by a discretionary trust in which Dr. Ager's wife and children are the beneficiaries (Ex. 85; Tr. v. 20:3534).

Meanwhile, in the mid-1990s, Dr. Ager began associating with Mr. Gunnison (Tr. v.19:3408). Prior to the fall of 1996, Dr. Ager spent about a week at EII's Phoenix facility operated by Mr. Gunnison, learning the steps and all but one of the chemical constituents involved in the proprietary thiourea leach process that Mr. Gunnison used to allegedly produce gold from Eldorado Valley material (Tr. v. 18:3160-61, 3164-68; v. 19:3360, 3384, 3388, 3390-91; Tr. v. 20:3559).

Based in part on this visit, Dr. Ager retained Mr. Gunnison to process with his thiourea leach drill samples taken from the Josh claims during the period of September 1996 through April 1997 (Tr. v. 18:3158-60; v. 19:3370-73, 3377-90; v. 20:3538). Cactus Mining Corporation, indirectly wholly owned by Dr. Ager who is its President, provided the drills and prepared the drill samples (Tr. v. 19:3412; v. 20:3528-29, 3532; Ex. 85).

On November 7, 1996, as a result of negotiations that began in the spring of 1996, Delgratia and Philgold executed an agreement under which Delgratia paid \$5,000,000 and 1,000,000 shares of stock valued at \$7.875 per share to Philgold for a 40% interest in Nevada Gold, agreed to expend \$5,000,000 on exploration and development of the Josh claims and issue an additional 1,000,000 shares of stock by May 1, 1997 for an additional 10% interest in Nevada Gold, and acquired an option to acquire a further 20% interest in Nevada Gold by expending an additional \$10,000,000 and issuing 2,000,000 more shares by November 8, 1998 (Tr. v. 19:3392-93; v. 20:3526-27, 3532-33, 3541; Ex. 83, p. 4; Ex. 84, ¶¶ 20, 21; Ex. 85, pp. 2-3; Ex. 86, ¶¶ 4, 6; Ex. 2, Att. 1-2b). Cactus Mining was designated as the operator to conduct the exploration and development and received at least \$1,500,000 for its services (Tr. v. 20:3528; Ex. 84, ¶ 22; Ex. 86, ¶¶ 22-24, 84). In addition, Cactus Mining and Dr. Ager acquired options to purchase a total of 1.65 million shares of Delgratia stock at \$6.00 per share (Ex. 85, p. 16; Ex. 86, ¶¶ 10, 12; Tr. v. 20:3533).

Two of the then-directors of the Delgratia Board, Eric Lavarack and David Manning, identified Dr. Ager as the "spokesman" or "representative" for Philgood during the negotiations with Delgratia (Ex. 83, p. 1; Ex. 84, ¶¶ 10, 12, 13; Ex. 86, ¶ 6). Dr. Ager did not fully disclose to the Delgratia Board or the governing securities commissions the extent of his family's financial interest in Philgold until 1997 (Ex. 84, ¶¶ 10, 12; Ex. 86, ¶ 6).

Messrs. Lavarack and Manning also averred that Dr. Ager showed the Delgratia Board a report regarding the Josh project (Ex. 21) prepared in August 1996 by a professional engineer,

Brian Mountford (Ex. 84, ¶¶ 14, 15; Ex. 86, ¶ 6). Mr. Mountford prepared the report for Dr. Ager as a personal favor without remuneration (Ex. 76, p. 3). He basically summarized data and information supplied by Dr. Ager; he did not perform a due diligence examination of the Josh project (id.)

That report discusses a geological resource of between 5 million and 15 million ounces of gold postulated for the Josh anomaly and includes an exploration map prepared by Dr. Ager showing a geochemical anomaly of extensive proportions, with gold values ranging from 1 gram per ton at the edges to 30 grams per ton in the richest zones (Ex. 21; Ex. 76, p. 3; Ex. 84, ¶¶ 14-16; Ex. 86, ¶ 8). The Delgratia Board relied upon the report in making its decision to purchase the interest in Nevada Gold, and the map was the single most important document in persuading Mr. Lavarack to agree to the purchase (Ex. 84, ¶¶ 14-16; Ex. 83, p. 1; Ex. 86, ¶ 8).

Dr. Ager characterized the arrangement with Delgratia as a joint venture to develop the Josh claims and asked Mr. Matheson how he wanted to participate in the venture (Tr. v. 16:2922; v. 19:3340; v. 41:6231). Mr. Matheson responded that he did not want to be involved with a public company (Tr. v. 16:2922-23; v. 41:6231).

They then agreed that Mr. Matheson would serve as a consultant, keeping Dr. Ager apprised of ongoing developments regarding material from the Eldorado Valley, in exchange for payments of \$4,000 per month and possibly stock options in Delgratia (Tr. v. 16:2922-23; v. 25:3186-88, 3288; v. 20:3552-53; v. 33:4794-97; v. 41:6231). Eventually, through Dr. Ager's efforts, Mr. Matheson did receive options to purchase 40,000 shares at \$6.00 per share (Tr. v. 14:106; v. 20:3527-28; v. 25:3282; v. 26:3355; v. 41:6231).

By December of 1996, Dr. Ager had become both the President and Chairman of Delgratia (Tr. v. 18:3119; v. 19:3393; Ex. 86, ¶¶ 10, 12). In those capacities he signed and issued press releases in February and March of 1997 reporting on assay results of drill samples processed by Mr. Gunnison indicating high gold values on the Josh claims (see, e.g., Ex. 85, pp. 1-6; Tr. v. 20:3537-38). Those releases did not identify the assayer (Ex. 85).

As a result of the press releases, Delgratia's stock skyrocketed in value from \$13.25 per share on February 28, 1997, to \$34.75 per share on March 19, 1997 (Ex. 2, Att. 1-1c; Ex. 84, ¶ 31; Ex. 86, ¶ 13; Tr. v. 20:3535-37). Press accounts of skepticism by Nevada mining officials and press revelations that Dr. Ager had a financial interest in the claims and that Mr. Gunnison, Dr. Ager's personally selected assayer, was a convicted felon and not a registered assayer caused Delgratia's stock to fall in the following weeks to as low as \$6.00 per share (Ex. 2, Atts. 1-1a to 1-1e; Ex. 84, ¶ 40; Ex. 86, ¶ 15). Eventually, the stock bottomed out at around \$0.37 per share in December 1997 (Ex. A-91, p. 36).

In reaction to the negative press, several press releases signed by Dr. Ager were issued in April 1997 indicating that independent labs (Mountain States R&D International Inc. (Mountain States) and Jacob Laboratory) had confirmed high gold values from Josh claim samples collected and assayed in a thoroughly professional manner consistent with the highest industry standards

(Ex. 85). Dr. Ager failed to disclose that those samples had first been processed by Mr. Gunnison and that the independent labs produced assay results of only background gold levels for samples which did not pass through Mr. Gunnison's hands (Ex. 17). Nor did Dr. Ager disclose the background level results to his fellow Board members until June of 1997 (Ex. 84, ¶¶ 33-39).

The unfavorable press accounts also precipitated Dr. Ager's hiring, on behalf of Delgratia, Mr. Mountford and Morris Beattie to perform an audit of the work that had been performed on the Josh claims (Ex. 17, §§ 1, 2; Ex. 76, p. 2; Ex. 84, ¶ 32; Ex. 86, ¶ 17). Messrs. Mountford and Beattie enjoy "excellent" reputations in the mining industry (Tr. v. 20:3494).

In a May 30, 1997 report, Messrs. Mountford and Beattie determined that the samples processed by Mr. Gunnison had been salted and that the Josh claims, "beyond any question," contain only "insignificant" amounts of gold (Ex. 17, §§ 1, 2; Ex. 84, ¶¶ 32, 33; Ex. 85, p. 26). A subsequent audit by another reputable entity, Behre Dolbear and Company, Inc., confirmed that "no gold soil anomaly exists" (Ex. 18, p. 11; Ex. 84, ¶ 45; Ex. 86, ¶¶ 34, 37; Tr. v. 20:3542; v. 14:113).

As a result of the Mountford-Beattie report, Delgratia, Dr. Ager, and others were sued by Delgratia stockholders in many separate actions (Tr. v. 20:3539; v. 41:6168; Ex. 86, ¶ 26; Ex. 84, ¶ 43; Ex. A-91, p. 36; Ex. 88). Dr. Ager was a defendant in his individual (personal) capacity (Ex. 87, ¶¶ 18b, 18h, 126-28; cf. Ex. 66, p. 265). In general, the plaintiffs alleged, among other things, that Dr. Ager, when he was Chairman of Delgratia, failed to disclose his financial involvement in the companies holding and exploring the Josh claims (see, e.g., Ex. 87, ¶ 36) and that he and others disseminated false and misleading information in order to reap the financial benefits of artificially inflating the price of Delgratia stock (see, e.g., Ex. 87, ¶ 39).

The consolidated suits were settled, apparently by Delgratia agreeing to issue to the plaintiffs 2.5 million shares of Delgratia stock with a market value of about \$0.25 per share and to pay \$500,000 to administer the claims verification process (Tr. v. 20:3539-40; Ex. 86, ¶ 43). On August 8, 1997, Dr. Ager resigned from his Delgratia President position after being forced to take a leave of absence, and he did not run for re-election to the Delgratia Board in 1997 (Ex. 84, ¶ 44; Tr. v. 20:3541-42).

NASDAQ, on which Delgratia was listed, halted trading and eventually delisted Delgratia because of the scandal (Ex. 83, p. 2; Ex. 84, ¶¶ 9, 43; Ex. 86, ¶¶ 16, 28; Ex. A-91, p. 9; Tr. v. 20:3541). The Federal Bureau of Investigation (FBI), the Secretary of State for the State of Nevada, and other law enforcement and regulatory agencies commenced a number of investigations into the Delgratia debacle (Ex. 84, p. 3; Ex. 86, ¶ 16; Tr. v. 14:116; v. 20:3578).

During the investigations stemming from the Delgratia scandal, Mr. Matheson was the primary defender and champion of the Josh claims, Dr. Ager, and Mr. Gunnison (see, e.g., Ex. A-91; Tr. v. 14:113-29; v. 119; v. 16:2920; v. 20:3529; v. 22:2519-21; 26:3495-98, 3511-

24). Mr. Matheson testified that he spent over \$10,000 for air fare and three months attempting to persuade the investigating authorities that there was no scandal (Tr. v. 16:2920). Those efforts included arranging demonstrations of how to assay the Eldorado Valley material for FBI and State investigating officials (see, e.g., Tr. v. 14:116-17; v. 22:2519-21).

While there is no evidence that Dr. Ager has been charged with a crime or found liable for fraud or other misconduct related to the debacle, and although he did not exercise his Delgratia stock options or sell his stock (Tr. v. 20:3550-51), the record nevertheless shows that Dr. Ager has acted deceptively and that his credibility is questionable. Some of his deceptive conduct has already been discussed.

Another example is his reply to a NASDAQ request to Delgratia, then still chaired by Dr. Ager, for information about the Josh project (Ex. 86, ¶ 16). That request was made after the press began releasing negative stories regarding Delgratia.

In response, Dr. Ager submitted the exploration map of the Josh project that had been originally used to persuade the Delgratia's Board to purchase an interest in Nevada Gold (Ex. 83, p. 3; Ex. 84, ¶¶ 14, 16, 19, 46; Ex. 86, ¶ 8; Tr. v. 61:6179-80). However, the version of the map Dr. Ager sent to investigators had been altered by hand to show that the gold values on the Josh claims were only 1/10 as high as originally depicted. This was accomplished by changing the units for the values shown on the map from parts per million (ppm) to ppm times ten to the minus one power (Ex. 83, p. 3; Ex. 84, ¶ 49; Ex. 86, ¶ 33; compare Ex. 20 (map originally provided to Delgratia) with Ex. 21, fig. 7 (map provided to NASDAQ)).

Under cross examination, Dr. Ager admitted to making the alteration, but alleged that he did so to indicate the values in head ore rather than the values in concentrate (Tr. v. 20:3546-47). This explanation is deemed not credible.

Mr. Mountford, who used the original map and other information provided to him by Dr. Ager to produce the August 1996 report (Ex. 21), stated to Agent August that Dr. Ager's assertion that one of the maps represents values in concentrate is a "total lie" and that nobody in the mining industry uses such an approach (Tr. v. 41:6178; Ex. 76, p. 3). Mr Edward Jucevic, one of Contestant's mining industry experts with extensive experience (Ex. 71), testified that he had never heard of such a map of soil samples depicting values in concentrate, and that "one would not expect the concentrates to be consistently and precisely ten times as much value" as the head ore, causing him to be "highly suspicious." (Tr. v. 40:6083-84).

If, in fact, the original map was values in concentrate, Dr. Ager's reliance upon it and the August 1996 report to convince the Delgratia Board to purchase 40% of Nevada Gold was a deceptive practice. This is so because neither the map nor the accompanying August 1996 report indicate that the results are values in concentrate and no one would expect the results to be reported that way.

When questioned as to his involvement in negotiations leading up to Delgratia's

acquisition of 40% of Nevada Gold, Dr. Ager replies were evasive, stating that he played no role on Delgratia's behalf, that he did not approach Delgratia to interest it in the property, that the possibility of acquisition was first discussed through mutual contacts, and that he did not go out looking for a partner in the Eldorado Valley (Tr. v. 20:3527). What he did not say is that he was the spokesman for Philgold during the negotiations.

Although Dr. Ager testified that he had nothing at stake in this proceeding (see, e.g., Tr. v. 18:3060; v. 20:3511, 3513), he is far from an impartial witness. He and Mr. Matheson have been closely associated in promoting the mineral potential of Eldorado Valley for their mutual financial gain.

Dr. Ager has known Mr. Matheson as a friend and business associate for over ten years, and they have worked closely in developing the Eldorado Valley during most of that period (see, e.g., Tr. v. 13:2348-49; v. 14:13; v. 19:3325; v. 21:2425; v. 25:3273, 3279-80, 3297-98). They and/or their companies co-located the Josh claims, cooperated in and shared data from various testing programs, transferred consulting fees, royalty interests, stock options, and claim interests to each other, and held financial interests and positions in the same companies.

During the investigations stemming from the Delgratia scandal, Mr. Matheson was a primary champion of the Josh claims, trying to convince the investigators that gold is present, that the gold is assayable if the certain methods are used, and that no wrongdoing occurred. With the Mijo claims now under investigation in this proceeding, Dr. Ager is serving as a chief witness on Mr. Matheson's behalf.

Further, both Dr. Ager and Mr. Matheson testified that the Mijo claim material is essentially the same as the material elsewhere in the Eldorado Valley, including that from the Josh claims and claims owned by Dr. Ager or his companies, and that the material contains precious metals which can only be assayed and recovered using special and often proprietary techniques (see, e.g., Exs. 44, A-58; Ex. 2, pp. 10-11; Tr. v. 13:2235, 2263; v. 17:3004, 3008-13, 3045-49; v. 18:3061, 3132-33, 3164-70, 3197-98, 3208; v. 19:3366, 3369-70, 3393-97, 3404, 3425, 3437-43, 3448, 3450-52; v. 33:4746-52). This position is based, at least in part, upon shared data and testing. A finding that no discovery exists on the Mijo claims or that they are not held in good faith would be detrimental to this position and to Dr. Ager's prospects for avoiding negative repercussions from his involvement in the Delgratia debacle (see, e.g., Tr. v. 5:164, 282 (Guay stating that "Ager is accused of fraud" and may be motivated "to keep out of jail").

Jerry Henderson

Since approximately 1987, Mr. Henderson has conducted research and development and assays for Pass Minerals and Pilot Plant (Tr. v. 3:632, 635-36, 670-71). Contestees did not present evidence of Mr. Henderson's education or formal training, but he did state that he learned to fire assay while working for Union Assay for 15 months and estimated that he had conducted 100,000 to 150,000 assays during the years 1956 to 2000 (Tr. v. 3:670, 684-85).

Despite this experience, he has thrice failed the State of Arizona's test to become a registered assayer (Tr. v. 3:670, 684-85). This fact as well as several others lead to the conclusion that his testimony and assays have little probative worth.

Those facts include his poor reputation in the mining industry (Tr. v. 39:5912-13) and his failure to use proper testing techniques and equipment, including running blanks and standards and using a mass balance, metallurgical balance, and sufficiently precise scales (Ex. 2, p. 14, 32, Atts. 11B-5b to -5d; Tr. v. 2:411-15). Also, his lab is very dirty and in poor condition (Ex. 2, p. 34, Att. 11B-5c, photos L-15, L-18, L-24, L-25; Tr. v. 2:412-13), which is unacceptable by industry standards because of the risk of cross-contamination (Tr. v. 2:412-14).

Further, the mineral report demonstrates that Mr. Henderson likely salted a sample provided to him for the mineral examination of the Mijo claims. Before the mineral examiners visited Mr. Henderson's lab to observe him assay samples for the mineral examination, both Messrs. Henderson and Matheson had indicated to the examiners that the Mijo material contained native or elemental silver (Ex. 2, pp. 31, 34). While at the lab, Mr. Henderson "took great efforts" to point out to the examiners silver balls that he apparently recovered using a U-Tech shaker table to process samples provided to him by the examiners (*id.*, p. 34). However, unbeknownst to Mr. Henderson, the samples from which he was producing the silver balls were blanks taken from the backyards of the Government mineral examiners (Ex. 2, pp. 25, 27, 34, photos L-29, L-30). Moreover, the size of the silver balls were such that it was physically impossible for them to be in the size fraction in which they were found unless they had been deliberately added (Ex. 2, pp. 34-35, photos L-31, L-37). In addition, the silver balls did not have the same characteristics of the sample material that had been processed, further indicating that the silver balls had been deliberately added (Ex. 2, pp. 34-35, photos L-32, L-38, L-39).

Contestees suggested during the hearing that Mr. Henderson had no motive to salt the samples, but the record reveals a possible motive. Mr. Henderson has been paid to assay the Eldorado Valley material for years (*see, e.g.*, Tr. v. 22:2678; v. 26:3424, 3432-33). If he failed to find value, especially under the scrutiny of the mineral examiners, this source of income might have stopped because Mr. Matheson testified that he does not use assayers who can not show value in Mijo material (Tr. v. 26:3379). He not only had a possible motive, but also he had opportunity to salt the samples undetected (Ex. 2, photos L-26, L-28). During the hearing, when Mr. Henderson was asked about the mineral report's conclusion that the samples had been salted, he had no explanation other than to deny that salting occurred (Tr. v. 3:645-47).

Mr. Henderson's lack of credibility is further demonstrated by his inability to produce accurate results from standards and blanks and by the non-reproducibility of his results (Ex. 2, pp. 31-35). Mark Lewis, an assaying expert with over 22 years of experience (Tr. v. 2:396-99, 432, 441; Ex. 11), was retained by the Government mineral examiners to learn and use the scorification technique Mr. Henderson claimed could reliably assay Mijo material (Tr. v. 2:404, 409; Ex. 2, p. 31). Mr. Lewis then performed both Mr. Henderson's procedure and a standard fire assay on splits of samples (blanks, standards, and Mijo material) which were also processed by Mr. Henderson, with some being assayed by him and some being sent to another lab for

platinum group element analysis (Tr. v. 2:407-08, 416-19; Ex. 2, pp. 31-35).

Mr. Lewis' results using both Mr. Henderson's scorification procedure and a standard fire assay on the splits "were, in general, identical within small amounts of variation and within the degree of the difference in detection limits." (Tr. v. 2:417-18; Ex. 2, Atts. 11B-4b, -4c). In contrast, Mr. Henderson produced an assay report for splits of the same samples, including blanks and standards, that showed "substantially higher" values (Tr. v. 2:419; Ex. 2, Atts. 11B-7a to -7g). This evidence demonstrates that assay results from Mr. Henderson cannot be considered reliable and accurate.

Charles Moore

Charles Moore, who has been mapping subsurface structures in the mining industry using the "Moore Radiometer" since 1979 (Tr. v. 7:1112-13, 1117, 1127; v. 8:1323-32, 1364), also testified for Contestees. His formal education and training consists of one geology course taken at Carson City Community College, an extension of the Mackay School of Mines (Tr. v. 7:1112; v. 8:1335).

As previously mentioned, Mr. Moore testified that he used the "Moore Radiometer" and sampling to identify the "blue structures." The "Moore Radiometer" is a term that Mr. Moore uses to refer to an EM-16 machine made by a company called Geonics and the allegedly unique and proprietary method which he uses to analyze the output generated by the EM-16 (Tr. v. 7:1118-22, 1148-49; v. 8:1323-29).

Mr. Moore's description of his analytical method was somewhat confusing and lacking in detail due, in part, to his reluctance to describe that which he considered proprietary (see, e.g. Tr. v. 8, 1328-29). Mr. Moore testified that the EM-16 allowed him to discern gamma rays "emanating from the center of the Earth to the surface" by which he identified sub-surface structures (Tr. v. 8:1324, 1328).

He further testified that it could identify structures at great depth, but that "the EM-16 is really not very accurate after, oh, 1500 feet or so." (Id.:1325-26) According to Mr. Moore, the effectiveness of an EM-16 is not limited by clay or surface water (id.:1364-67).

This testimony is deemed not credible both because Mr. Moore did not adequately explain his analytical methods and because un rebutted testimony from Roger Haskins identified numerous flaws in Mr. Moore's testimony. Mr. Haskins has expertise in the use of the EM-16, having used one extensively while employed by the Exploration Operations Branch of the Manitoba (Canada) Department of Energy and Mines and having wrote a detailed BLM handbook regarding the use of it and similar devices (Tr. v. 12:2167, 2174-75; Ex. 16).

Mr. Haskins testified that it is "totally impossible" for the EM-16 to be used to detect gamma rays from the center of the earth for two reasons: first, gamma rays travel through soil and rock for only 12 feet or so before they are absorbed; and, second, an EM-16 measures radio

frequency waves, not gamma radiation (Tr. v. 12:2184-85). Mr Haskins also stated that an EM-16's depth detection limit is approximately 200 feet, with any clay or surface water interference reducing the limit to 40 to 50 feet (id.:2177), contrary to Mr. Moore's assertions.

Mr. Haskins further testified that the standard method for interpreting EM-16 data includes use of a "Fraser filter" (Tr. v. 12:2178-82; Ex. 16, pp. 100-13), yet Mr. Moore was not familiar with a Fraser filter (Tr. v. 8:1366). That Mr. Moore's analytical methods are not generally accepted is further evidenced by Mr. Moore's map of the claims area (Ex. A-50), which, according to Mr. Haskins, does not appear to reflect data generated from an EM-16 and does not resemble any presentation or form of EM-16 data familiar to him (Tr. v. 12:2179-80).

Mr. Moore's credibility is further damaged by inconsistencies in his testimony. He identified specific samples which he took in February and April of 1998 and the method and location of the samplings (see, e.g., Tr. v. 27:3713-17; 3720-21). Also, he marked the approximate sample locations on sample data sheets and then signed the sheets (Ex. A-129, pp. 10, 11, 12). Yet, he also testified that he did not move to the Las Vegas area to begin working with Contestees until May or June of 1998 (Tr. v. 8:1341-43), after the samples were taken.

Merwin White

Mr. White testified for Contestees as a self-described metallurgical chemist based mostly upon experience (Tr. v. 8:1441-42). He also majored in chemistry at the University of Utah for 3½ years before quitting school (Tr. v. 8:1442). He worked for Kennecott Copper for 22 years, working his way up from assayer to senior chemist to metallurgical engineer to the person responsible for running a gold refinery, and he has been conducting assays since 1938 (Tr. v. 8:1444, 1450-52).

Despite his longevity, Mr. White's reputation in the mining industry is "very poor" (Tr. v. 5:179; v. 20:3481, v. 39:5914; Ex. 10, p. 5; Ex. 75, p. 1). He has been criticized in two reports, one being the Mountford/Beattie report regarding the Delgratia salting scam and one pertaining to the mining operations of Naxos Resources Ltd. (Naxos) near Death Valley, California.

Messrs. Mountford and Beattie reported that Mr. White, in addition to Mr. Gunnison, generated assay results for material from the Josh claims which were used to promote the Josh claims to the public (Ex. 17, §§ 1, 2). Mr. Mountford and Dr. Beattie took their own samples from material discarded from earlier drilling and testing, and sent splits to Mr. Gunnison at EII and Mr. White and retained splits for their own chemical analyses (id., § 4.1). The EII results came back showing insignificant gold concentrations, but Mr White reported high numbers that had "no relationship" to the EII values or to the reports finding that the claims contained only insignificant amounts of gold (id., § 2, 4.1). In addition, Mr. White's results "showed no consistency at all and point to possible problems in the laboratory." (Id., § 4.1)

The other study criticizing Mr. White is a 1996 study commissioned by the Alberta Stock Exchange, on which Naxos was listed, to investigate, among other things, an alleged proprietary process used by Mr. White for Naxos which purportedly showed commercial values of gold (Ex. 80, pp. 1-2). The commissioned consultants concluded, based on their observation of Mr. White's work and their own analyses, that "Mr. White . . . do[es] not appear to understand the impacts of potential contamination" (*id.*, p. 13), that the potential for contamination in the facility he used "was serious" (*id.*, p. 14), that it was "clear" that the reagents used by Mr. White were "contaminated" (*id.*, p. 14), that another lab (Chemex Labs, Inc.), following Mr. White's procedure according to his instructions and to his satisfaction, did not detect gold above background concentrations (*id.*, pp. 15-16), and that Mr. White made numerous claims evidencing his lack of scientific understanding (*id.*, p. 19). The consultants recommended to the Alberta Stock Exchange that all analytical results reported by Naxos, other than those based on conventional fire-assay procedures, "should be retracted in full." (*Id.*, p. 21)

The Government mineral examiners likewise noted the disorderly condition of Mr. White's lab and his reliance on improper lab technique when they visited the lab in 1999 (Ex. 2, pp. 28, 30, photos L-4, L-10). As reported in the Mineral Report, he assayed two splits of each sample provided by BLM, including grinding and reassaying the slags five times and, for a couple of the samples, grinding and reassaying the cupels (Ex. 2, pp. 28-29, Atts. 11B-3a thru -3d).

One of the specific examples of improper lab techniques involved his lab technician brushing all the slag from assays of numerous samples into the same bucket, which also contained slag from an unknown source (Tr. v. 36:5297-98; v. 39:5828-29). Mr. White later generated a report of results of assays of those samples which indicates that the slag for each sample was re-assayed and a corresponding value found for each re-assayed slag (Ex. 2, Atts. 11B-3a thru -3d; Tr. v. 39:5829). Given that the slags were all combined together along with other slag material, the report is either deliberately misleading or the product of incompetence.

As previously mentioned, the samples provided by BLM to Mr. White included complex blanks from the mineral examiners' yards but identified as samples from the Mijo claims (Ex. 2, pp. 28-31). Mr. Clay testified that the material from their yards was a "clean wash decomposed granite" and that he had bought the material for his yard (Tr. 15:251). The assay report signed by Mr. White evidences incompetency, as his lab found the three highest gold concentrations of 0.200, 0.092, and 0.066 troy ounces per ton in the blanks and the spread of reported results for the splits of the same samples were excessive (Ex. 2, pp. 29-30).

Mr. White ran his own blanks with the initial assays (but not with the reassays) and reported no value in the blanks (Ex. 2, Atts. 11B-3a thru -3d), indicating "that he was not salting himself," according to Mr. Matheson (Tr. v. 22:2595). However, Mr. Clay testified that a proper contamination detection procedure should have included reassaying the slags and cupels for the blanks, as was done for the BLM samples (Tr. v. 35:5163-64).

In an apparent attempt to salvage his credibility and to imply that the blank yard samples may actually have contained gold, Mr. White made farfetched statements and damaging admissions. He testified, based upon personal sampling and assaying experiences, that a sample taken anywhere in the Mormon Mesa, an ancient seabed apparently extending from southern Utah into the Las Vegas area and Arizona, would probably contain gold valued, on average, at 0.20 ounces per ton (Tr. v. 8:1460-63, 1526-29). He explained that his methods of repetitively reassaying the slags and cupels or leaching samples detect much more value than a standard fire assay and that he often finds values in "so-called" blank samples (Tr. v. 8:1460-63). His explanation included an acknowledgment that he doesn't know why he is able to detect more value (Tr. v. 8:1459-60).

In summary, the record demonstrates that the assay work of Mr. White and his lab cannot be considered reliable and that Mr. White's credibility is questionable.

Robert Gunnison

Contestees also relied heavily on alleged statements and work attributed to Mr. Gunnison, who they assert has developed a proprietary thiourea leach process that will recover commercial quantities of precious metals from Mijo material. Although Mr. Gunnison did not testify, a number of witnesses testified as to his work and statements, and Contestees entered into evidence two affidavits by Mr. Gunnison, although they were not admitted for the truth of the matters asserted therein (Ex. A-24, tabs 20, 21; see Tr. v. 13:2218-23).

Mr. Gunnison was present at the outset of the hearing and intended to testify, but he left the courtroom when informed that counsel for the Contestant was entitled to probe into his assertedly proprietary leach process for extracting precious metals from Mijo material (see, e.g., Tr. v. 10:1800; v. 15:158; v. 22:2639-40; v. 38:5761-62). Mr. Gunnison also twice refused the mineral examiners' requests to perform tests for them (Tr. v. 36:5430-31; v. 39:5820).

Mr. Gunnison's work lacks probative value because he has been convicted of felonies involving dishonesty, because he is substantially implicated in the Delgratia salting scam, and because his qualifications, experience, reputation, and techniques are either poor or not sufficiently described. Mr. Gunnison was convicted in 1975 of five felony counts, including fraud and conspiracy, arising from the sale of unregistered securities (Ex. 2, p. 10, Atts. 8-2a to -2c; Tr. v. 40:6130-31). During the hearing, Mr. Matheson contended that Mr. Gunnison's convictions had been overturned on appeal (Tr. v. 41:6294-95), but this contention was refuted by the testimony of Special Agent August who had examined Mr. Gunnison's official criminal history record (Tr. v. 40:6131).

Contestees contend that a 1986 report by Pincock, Allen and Holt (PAH) (Ex. 2, Atts. 9-9b to -9g) vindicates the efficacy of Mr. Gunnison's proprietary leach process and hence

Mr. Gunnison himself.⁴ (See, e.g., Tr. v. 14:132-33; v. 18:3142-44). Dr. Ager testified that the Gunnison process has not changed since 1986 and that the PAH report pertains to the Gunnison process, although neither Mr. Gunnison nor EII is mentioned in the report (see, e.g., Tr. v. 18:3138-39). The PAH report indicates that the process assessed was detecting gold values where “classical methods” were not, but states that further testing was necessary before the process could be declared a “proven technology” (Ex. 2, Att. 9-9h).

Moreover, in an interview with Special Agent August, the author of the PAH report, John Rozelle, stated that PAH has no interest in the Eldorado Valley because it has not found any properties worth investing in (Ex. 79, p. 2). If PAH had been persuaded that a process exists for extracting precious metal from the Eldorado Valley, it likely would have a different view.

Also, Mr. Gunnison has violated Arizona law by assaying material there without being a registered assayer in that state (see, e.g., Tr. v. 22:2675). There is no evidence that he has received training in assaying, as his college degree is in accounting and his relevant experience is vaguely described as “20 years in precious metals recovery business”, with 14 of those years working on Eldorado Valley material (Ex. A-24, tabs 20, 21). Contestees’ own witnesses recognized that Mr. Gunnison has a poor reputation and is viewed by some as a scam artist (Tr. v. 5:90, 158, 215; Tr. v. 18:3156-57; v. 20:3492; see Ex. 77, p. 1).

Not surprisingly, Mr. Gunnison discovered by accident the chemical which allegedly stabilizes the thiourea leach (Tr. v. 21:2478) and Dr. Ager testified that Mr. Gunnison did not fully understand his own leach process (Tr. v. 20:3575). Further, it is not possible to evaluate whether there is a scientific basis for the effects of the stabilizing chemical without disclosure of the chemical’s name.

Ian Matheson

Mr. Matheson served as the Contestees’ representative as well as the Contestees’ primary witness. His college degree is in accounting (Tr. v. 13:2246-48). His occupations have included accountant, syndicator of real estate, including oil and gas properties, and owner of a construction company (which built bridges and two mines) (Tr. v. 13:2248-58). His involvement with the mining claims in the Eldorado and Paiute Valleys was his first venture in the mining business (Tr. v. 25:3312-19). He is not a professional assayer, mineralogist, mining engineer, or geologist (Tr. v. 15:220; v. 21:2742).

The record contains numerous admissions by Mr. Matheson that he lacks the education and experience to understand various technical aspects of mining the Mijo claims, such as the

⁴Contestees also claimed that a number of other reports all say “basically the same things” as the PAH report (Tr. v. 14:132-33; v. 15:156). However, these other reports, submitted as Exhibit A-68, were not received because Contestees failed to provide sufficient foundation (Tr. v. 15:167, 179; v. 18:3127-58).

geology and metallurgy (see, e.g., Tr. v. 26:3511; v. 31:4352; v. 32:4456, 4487, 4539, 4578; v. 33:4666-69). Consequently, his layman opinions regarding those technical aspects are entitled to little weight.

As for the remainder of his testimony, his credibility is suspect. This follows from several facts. First, Mr. Matheson incorrectly testified regarding notations he added to an assay report from Mountain States (see discussion below regarding data set 29).

Mr. Matheson also testified and signed sample data sheets indicating that Mr. Moore took samples in December 1997 and January 1998 (Tr. v. 22:2669-73; Ex. A-129, pp. 8A, 10). He also signed data sheets showing that Mr. Moore took samples in February and April of 1998 (Ex. A-129, pp. 11, 12). Contrary to these representations, Mr. Moore testified that he did not move to the Las Vegas area to begin working for Contestees until May or June of 1998 (Tr. v. 8:1341-43).

Additionally, Mr. Matheson testified that Mr. Gunnison would have been happy to run a test of Mijo samples for the mineral examiners but that they never asked him to do so (Tr. v. 22:2529, 2532-33). In fact, the mineral examiners asked Mr. Gunnison to test samples, both directly and through Mr. Matheson, but he refused (Tr. v. 36:5430-31; v. 39:5820).

According to Mr. Matheson, each CSR drill hole was monumented with a stake surrounded by a pile of rocks immediately after the hole was drilled (Tr. v. 14:73-75, 89-91; v. 16:2944; v. 22:2582). Those holes were drilled on February 22, 1999. Mr. Clay convincingly demonstrated that Mr. Matheson's testimony was false by referencing two photographs of the area in which CSR drill hole no. 2 was located (Ex. 68), one taken at the time of the examination in March 1999 which shows no rock pile or other monument and one taken in April 2001 which does contain a rock cairn and stake (Tr. v. 40:5979-5982).

One of the persons upon whom Mr. Matheson relied to assay material was Robert R. Barefoot, who conducted the assays in his lab in Wickenburg, Arizona, and who Mr. Matheson identified as a chemist (Ex. 2, p. 16; Tr. v. 30:4116). To establish Mr. Barefoot's qualifications, Mr. Matheson told the mineral examiners that Mr. Barefoot was a well-known assayer from a college in Canada who had written several geochemical publications under the name R. R. Barefoot, including an assay manual co-written with Dr. Van Loon of the University of Toronto (Ex. 2, p. 16; Atts. 9-8a, 9-8b, 9-8s). In so doing, Mr. Matheson carelessly or intentionally misrepresented Mr. Robert R. Barefoot to be Dr. Ronald R. Barefoot, an analytical geochemist and professor emeritus, University of Toronto, who has never done work in Arizona (Ex. 2, Atts. 9-8a, 9-8b; Tr. v. 36:5374-75).

Mr. Matheson also testified misleadingly that the mineral examiners had "suggested" that they use Dr. Jordan (aka MRAL labs) as an "umpire assayer" to address the disparity between the assay results of Mr. White and those of Legend, reported on March 16, 1999, for the BLM field examination samples taken on March 9, 1999, and that, at the time, Mr. Matheson had not worked with Dr. Jordan for "years." (Tr. v. 13:2299, 2306, 2313-15, v. 16:2927, 2941;

v. 22:2525; Ex. 2, Atts. 11B-3a, 11B-4b; see also Ex. F). The testimony of the mineral examiners, corroborated by documentary evidence, shows this to be untrue (Tr. v. 1:153-62; v. 40:5983-84; Ex. A-129, pp. 21-1, 21-2).

As that evidence demonstrates, Mr. Matheson, rather than the mineral examiners, suggested using Dr. Jordan as the “umpire assayer” and Mr. Matheson had used Dr. Jordan to perform assays on March 12, 1999,⁵ only weeks before he made the suggestion. On surrebuttal, Mr. Matheson admitted that he had enlisted Dr. Jordan’s services to assay a sample not long before making the suggestion and explained his prior incorrect testimony as a product of his misunderstanding of the question propounded to him (Tr. v. 41:6208). He elaborated that the sample had been taken by him from the first pit dug by BLM on the first day of the field examination, that the assay results had been given to BLM, and that he did not believe the question pertained to “my relations when I was dealing with the BLM.” (*Id.*). This explanation is not convincing.

Additionally, Mr. Matheson supported Mr. Phebus’ untruthful claim that three large pits were excavated on the Mijo claims in 1990 and 1991. Mr. Matheson, acting as Contestees’ advocate, not only elicited this testimony, he testified as to the existence of those “three major pits” or three “major testing areas” (Tr. v. 21:2479; v. 22:2569-70; v. 25:3378; v. 41:6227, 6301).

When he was specifically questioned about their existence on cross-examination, he stated that he saw testing equipment (a loader, backhoe, and screening plant), but he would not state that he actually saw the pits, despite visiting the Becki M millsite three to four times per week and occasionally walking out on the Mijo 16 claim, which reportedly contained a pit only a couple hundred feet from the millsite (Tr. v. 32:4431-51). Furthermore, Mr. Phebus testified that the pits were obvious (Tr. v. 38:5627-28).

The next day, after talking to Mr. Phebus, Mr. Matheson testified that he recalled seeing berms as well and that the berms, which consisted of material removed from the pits, likely blocked his view of the pits (Tr. v. 33:4742-46). This testimony, in conjunction with his testimony that the fictitious pits existed, is inconsistent and not credible.

Mr. Matheson’s testimony regarding the origins of the so-called “Belgian” assay technique is also suspect. He presented Exhibit A-16 as a description of the procedure that Union Miniere purportedly sent to him. Dr. Anderson provided a copy of Exhibit A-16 to officers of Union Miniere and they indicated that Union Miniere would never have used such a novel procedure (Tr. v. 38:5680).

⁵There are two assay reports in evidence, one dated 2/12/99 and one dated 3/12/99 (Ex. A-129, pp. 21-1, 21-2). The correct date appears to be 3/12/99 because the sample reportedly was taken from the first hole dug by BLM on March 9, 1999 (Tr. v. 41:6208).

They identified the small sample size of 2 grams (as opposed to the standard size of 29.166 grams) as being novel and prone to less precise and accurate results (*id.*). In a letter to Mr. Shumaker, Union Miniere officers also indicated that the type of flux they use

is basically used for lead assay work by most of the precious metal labs over the whole world. There may be some variations in the composition from one lab to another, but these are not fundamental. We like to emphasize that there does not exist a so-called "Belgium flux" capable to assay precious metals in whatever material, where other lead based fluxes would fail.

(Ex. 61, p. 3).

Finally, Mr. Matheson undermined his credibility by making farfetched statements. For example, he testified that Dr. Ager, Mr. White, and he have tested samples from Hoover Dam on the Arizona/Nevada border all the way to Phoenix, Arizona and found "acceptable" gold values in most cases (Tr. v. 22:2603-04). The apparent purpose of this statement was to try to bolster the credibility of Contestees' assayers, who found high gold values in the complex blanks from the yards of the Arizona residences of Messrs. Clay and Shumaker, by implying that those blank samples may have contained gold.

B.

The Claims Do Not Contain Valuable Minerals

1.

Contestant's Evidence Convincingly Shows That Precious Metals Above Average Crustal Abundance Levels Do Not Exist On The Mijo Claims

At Contestant's request, numerous assaying and other analytical techniques, including fire assay, inductively coupled plasma (ICP) analysis, neutron activation (NA) analysis, thiourea leaching, x-ray diffraction and electron microscopy, were applied to samples from the Mijo claims. The results from each of those techniques show that precious metals do not exist on the Mijo claims above average crustal abundance.

Most of the samples subjected to those techniques were collected during the mineral examination. The mineral examiners attempted to duplicate the Contestees' methods of sampling to the extent possible (Ex. 2, pp. 20-21). Thus, they typically cleared surface material with a backhoe to a depth of 1½ to 6 feet before sampling (Ex. 2, pp. 23-26). Then, from the cleared area they took a channel sample and placed the sample into five-gallon buckets (*id.*). The samples were screened to ¼-inch minus and then some of them were separated into magnetic and non-magnetic fractions with a shop magnet, as Contestees usually did (*id.*). They also took a couple of bulk samples (Ex. 2, pp. 20-26).

These samples, along with standards and blanks for quality assurance purposes, were sent to numerous laboratories and subjected to numerous analytical techniques. The results are deemed reliable and accurate because they consistently show (1) only average crustal abundance levels of precious metals for the samples from the Mijo claims and (2) precious metal content within the appropriate range for both the standards and blanks (see, e.g., Ex. 2).

a.

Fire Assay Results Show The Absence Of Valuable Minerals

The following entities hired by Contestant performed fire assays on samples from the Mijo claims, all of which showed precious metal content of only average crustal abundance: Bondar Clegg, Chemex, Legend, CAMP, NBMG, and Dr. Ralph Pray (see, e.g. Exs. 2, 4, 5, 43, 45, 67; Ex. 39; pp. 7-8, App. VI; Tr. v. 39:5904). The record shows that the first three entities have excellent reputations in the mining industry for using solid techniques and generating reproducible work (see, e.g., Tr. v. 1:36; v. 2:203; v. 19:3453; v. 38:5663-64). As part of Montana Tech of the University of Montana, CAMP provides to the mining industry research consulting services pertaining to a wide range of mineral and metallurgical activities (Tr. v. 38:5661-62; v. 39:5842). Dr. Pray, who has a Doctor of Science degree in metallurgical engineering and 50 years of experience in the mining industry, has performed approximately 45,000 assays (Ex. 65; Tr. v. 39:5898-5900).

Contestees argue and presented testimony that standard fire assay techniques cannot reliably assess the precious metals in the material from the Mijo claims because of the small size of the gold particles, the geochemical structure and components of the material encasing the gold, and other reasons which are purportedly proprietary. However, the weight of the evidence does not support their argument.

The reliability and accuracy of the standard fire assay techniques used by the entities hired by Contestant to analyze the material from the Mijo claims is demonstrated by at least three factors. First, the average crustal abundance levels of precious metals found by those entities using standard fire assay techniques were confirmed by several other analytical techniques. Second, the reliability of standard fire assay techniques is not the subject of serious debate in the mining industry (see, e.g. Tr. v. 1:170; v. 37:5474; v. 38:5673; Ex. 8, p. 32). Third, no witness of either party was aware of an operating gold, silver, or platinum mine which mined material which could not be fire assayed, with the exception of one account of a small South African mine in a publication of unknown reliability (see, e.g., Tr. v. 5:171-72; v. 36:5430; v. 38:5677; Ex. SL-1).

The argument of Contestees that the Mijo claims contain a "new" type of mineral deposit which cannot be reliably assessed by standard fire assay techniques is premised upon the work of Dr. Ager and Dr. Smith regarding the mineralogical structure and composition of material from the southern Eldorado Valley and the Mijo claims. In approximately 1998 Dr. Smith, as a consulting geologist for Cactus Mining, began working with Dr. Ager on a geologic and

metallurgical study focusing primarily upon the southern Eldorado Valley (Tr. v. 2:508, 512, 544).

They concluded that that area contains a very unique type of gold and platinum group element mineralization which was concentrated from its source (a Precambrian geological terrain known as the Mohave Province) through a series of intrusive and hydrothermal geological events and subsequent erosion into the alluvial cover within the valley (Tr. v. 2:514-25, 539-40, 607-13). According to them, the alleged mineralization is unlike any other precious metal deposit because it is basic, sulfide deficient, and nonsilica or nonsilicious, whereas the typical deposit is acidic, sulfide, and silicious (Tr. v. 2:528-30; v. 17:3020; v. 18:3176-80; v. 19:3289-90, 3298-99).

Drs. Ager and Smith further testified that the origins, geology, mineralogical structure and composition, and response to metallurgical processes of the material from the Mijo claims is the same or nearly the same as that of the southern Eldorado Valley material (see, e.g., Tr. v. 2:525, 534; v. 17:3004, 3013-14; v. 18:3132-33, 3169-70, 3197-98, 3208; v. 19:3369-70; v. 20:3511-12). Another similarity is that the southern valley includes jasperoid, hematitic, north-south trending bodies which are purportedly gold-bearing and which are similar to such bodies lying ½ mile north of the Mijo claims (Tr. v. 2:502-08, 519-20, 549, 601-02).

Dr. Smith hypothesized that those jasperoid bodies may extend under the alluvial cover of the Mijo claims (Tr. v. 2:550). However, Mr. Clay did not observe any jasperoid bodies on the Mijo claims during the validity examination (Tr. v. 35:5214-15) and Contestees failed to prove Dr. Smith's hypothesis.

Further, four samples taken by Dr. Smith from the jasperoid bodies north of the Mijo claims did not contain high gold values (Tr. v. 2:503-05, 548-52, 555). The assay results from Jacobs Lab showed three samples containing insignificant amounts of gold and one sample bearing gold of 0.19 oz./ton. (id.:505, 551-52, 555).

In reality, the geologic environment on the Mijo claims is not favorable for the formation of a precious metals deposit, especially one containing PGM's (see, e.g., Ex. 2, pp. 4-6). PGM's are nearly always found in direct association with mafic or ultramafic intrusive rocks (Ex. 2, p. 4; Tr. v. 35:5216-17; v. 36:5406-07, 5410-11; v. 37:5554; see also Tr. v. 18:3243-49). They have been found elsewhere (Tr. v. 18:3248-49), including in association with black shale and with shear zones in limestone at the Boss Mine which is 30 miles to the southwest of the Mijo claims (Ex. 2, pp. 4-5; Tr. v. 37:5572). None of these geological environments are present on the Mijo claims, where the igneous rock is felsic, and PGM's are not normally associated with felsic rock (Ex. 2, pp. 4-6; Tr. v. 18:3243-49).

Drs. Ager and Smith testified that they used proprietary electron microscopy techniques and auger analysis to determine the constituents of the "hydrothermal mineral assemblage" (HMA) in which the precious metals are found and the colloidal size of the precious metal particles, which are between five nanometers (nm) and one micron in size (Tr. v. 2:522-24, 527,

557, 559-61; v. 17:3005-06, 3031; v. 18:3196-97; v. 19:3438-39, 3441-42; v. 20:3498-99). Dr. Smith identified the four principal constituents to be quartz, albite, feldspar, and chlorate (Tr. v. 3:583). The other major constituents identified were smectite, illite, zeolite, clinoptilite, hewettite, and chlorite (id.:583-84). The listing of minor constituents included chlorite, lead, hematite, and montebasite (id.).

They stated that the material is very difficult to fire assay or that “no fire assay is any good on the Eldorado ore” because the precious metal particles are coated and housed in materials which are refractory, which they defined as nonresponsive to thermal or chemical treatment (see, e.g., Tr. v. 2:534-37, 539; v. 3:583, 604-05; v. 17:3005, 3007, 3020-28, 3031; v. 18:3188, 3199-02). The identity and nature of these refractory materials and the precise methods of their detection are unclear because the descriptions thereof were either or both confusing and incomplete, as Dr. Ager refused to provide additional information, claiming that it is proprietary (see, e.g., Tr. v. 19:3437-42; v. 20:3499, 3505-06).

Reportedly, the precious metal particles are generally covered in two coatings, the inner layer being rich in calcium and iron and the outside layer being rich in aluminum and silica (Tr. v. 2:536; v. 3:605). One of the coatings, seemingly the outer one, allegedly has a melting temperature of 1500° C or 2,732° F, which is higher than that reached during a fire assay (Tr. v. 3:587-90, 605; v. 17:3005; v. 18:3201-02; v. 19:3443). The melting temperature was reportedly determined by submitting the chemical composition of the coating to Corning Glass (Tr. v. 2:536; v. 3:587-90; v. 19:3442).

Further, the particles are reportedly “housed” in a setting rich in fine clay minerals, including specularite, illite, and smectite (Tr. v. 2:536, v. 3:582, 605). Dr. Ager mentioned the presence of calcium carbonate, iron oxides, and selenium oxides as well (Tr. 17:3031). Dr. Ager asserted that the clays are also refractory, melting at a temperature of 1,100 - 1,300° C, above the fusion temperature in a fire assay, and that the clays can either swell up with water or become too dry, further interfering with or preventing the fusion required for fire assay (Tr. v. 17:3030-34, 3038, 3090, 3164-68; v. 18:3088-90; v. 19:3304-05; see also Tr. v. 14:2327-28; v. 16:2816 (Matheson similarly testifying)).

Relying on Stoke’s law, which is a formula expressing the rates of settling of spherical particles in a fluid based upon the radius of the particle, the densities of the particle and liquid, and the coefficient of viscosity (Bureau of Mines, A Dictionary of Mining, Mineral, and Related Terms 1079, (P. Thrush, ed., 1968)), Dr. Ager also viewed the small size of the precious metal particles as problematic (see, e.g., Tr. v. 17:3039-42; v. 19:3273-81; v. 20:3501-02). He testified that the particles will remain in the slag and not drop through it to collect with the lead at the bottom of the crucible unless the particles aggregate with each other or the lead to a size of 20-40 microns (Tr. v. 17:3039-42; v. 19:3273-81).

The coatings and clay minerals come into play because they allegedly prevent or inhibit aggregation (see, e.g., Tr. v. 19:3285). According to Dr. Ager, aggregation is also important because if the particles are less than 10 microns in size, they can pass into the cupel through its

pores or be off-gased as vapor (Tr. v. 17:3024-25; v. 19:3281-83).

The testimony of Drs. Ager and Smith suffers from at least three deficiencies: first, Dr. Ager's credibility is suspect (as discussed earlier) and Dr. Smith worked under his direction; second, to the extent they divulged information to support their theories, they were refuted by testimony from Contestant's expert witnesses; and, third, to the extent that neither of them would divulge such information, claiming that the information is proprietary,⁶ they have not shown a scientific basis for their theories and therefore they cannot be given substantial probative weight.

Their testimony was supported by the testimony of Dr. William J. Guay, who is a well-qualified metallurgist with a good reputation (Ex. SL-A; Tr. v. 5:1-10; v. 39:5920-21, 5924). He has been "largely retired" since 1985 but does "some consulting work from time to time." (Tr. v. 5:8; v. 22:2677). Dr. Guay was first a Senior Metallurgist and then the Chief Metallurgist for Newmont Exploration at its mine in Carlin, Nevada, from 1966 to 1983 (Ex. SL-A). He also taught fire assaying at the Colorado School of Mines for some unknown duration on unspecified dates (Ex. SL-A). Despite his good reputation and credentials, there are reasons to discount Dr. Guay's testimony.

First, Dr. Guay has "hardly ever done [assaying] in [his] whole life", had never personally conducted any assays at Newmont, and does not appear to be an expert in instrumental methods of assay (*see, e.g.*, Ex. SL-A; Tr. v. 5:45, 168; v. 37:5522-23; v. 39:5934-36). This is evidenced, in part, by his distrust of instrumental methods of assay, despite the general understanding in the mining community that they detect gold at least as well as a fire assay (Tr. v. 37:5534, 5579-82, 5585-86) and his own admission that "I don't have any evidence that [they are] bad." (Tr. v. 5:191)⁷

Dr. Guay's consulting work has included sampling and testing at the Josh pit for Mr. Roe in 1993 and more recent consulting for Dr. Ager at Cactus Mining (Tr. v. 5:28-29, 32-33, 167; Ex. A-192). Without remuneration (except a small \$100 payment), he testified at the hearing and has been reviewing information regarding the Eldorado Valley material provided to him by Mr. Matheson since 1997, when Messrs. Roe and Matheson contacted Dr. Guay to discuss the Delgratia debacle (Tr. v. 5:167; v. 22:2676-78; Exs. A-192, SL-A).

⁶Contestant attempted to accommodate Dr. Ager's alleged need to keep the purported scientific data confidential by offering to enter into a confidentiality agreement. However, negotiations over the scope of the agreement were unsuccessful. Both Mr. Matheson and Dr. Ager claimed during the hearing that Contestant refused to enter into a confidentiality agreement, but this is refuted by the record (Ex. 52; Tr. v. 20:3510; v. 38:5755-58). In fact, BLM made the last counteroffer, and Dr. Ager never responded (Tr. v. 38:5758).

⁷Dr. Guay also acknowledged that he has not kept abreast of the literature for the last 10 years (Tr. v. 5:47).

He concluded that “all the evidence I’ve seen suggests that” a fire assay could completely fail to detect commercial quality ore on the Mijo claims (Tr. v. 5:170). In so doing, he gives short shrift to the content of the mineral examiners’ report, including the consistent reporting of no anomalous gold by several laboratories using a variety of assay methods (see, e.g., Tr. v. 5:270). Moreover, he later acknowledged that “[a]ll these things have to be proven and I don’t deny that for one second” (id.:274).

Further, Dr. Guay’s testimony is based largely on information imparted to him by Dr. Ager and Mr. Matheson and very little other data or credible literature (see, e.g., Tr. v. 5:208-10, 261-72; see also Tr. v. 5:150 (stating that, with respect to his conclusion that “new type of deposit” exists, “a lot of this is based on the work of Dr. Ager . . . [T]he proof of that rests with his . . . work”); v. 5:208 (“The only thing I know about Mr. Matheson’s claims is what I read in his literature. . . . I don’t know anything about the Mijo except what I read.”)). He seemed to accept much of that information at face value (Tr. v. 5:261-72, 279-80) and often deferred to Dr. Ager to answer questions posed at the hearing.

Indeed, when questioned about Dr. Ager’s theory that special care must be taken in drying the Eldorado Valley material so that the clays do not contain moisture which will interfere with detection of the precious metals by fire assay, Dr. Guay stated, “I have to [believe him].” (Tr. v. 5:279-80). Dr. Guay supported the validity of that theory (Tr. v. 5:100-02, 104-05, 279-80), but, as explained below, it lacks a scientific basis.

Contestant’s experts, in addition to the mineral examiners, are Messrs. Mark Lewis and Ed Jucevic and Drs. Paul Lechler, Ralph Pray, Corby Anderson, and Vernon Griffiths, who all are well-qualified (Tr. v. 2:387, 396-97, 432-33, 441; Ex. 11 (Lewis); Tr. v. 37:5446-53; Ex. 36 (Lechler); Tr. v. 38:5632-39; Ex. 38 (Griffiths); Tr. v. 38:5661-65; Ex. 40 (Anderson); Tr. v. 39:5898-5900, 5918-19, 5936; Ex. 65 (Pray); Tr. v. 40:6062-65; Ex. 71 (Jucevic). The allegations regarding the super-refractory coatings were directly rebutted by Contestant’s experts.

Dr. Griffiths, serving as a consultant for CAMP, analyzed Mijo samples by X-ray diffraction (XRD) and scanning electron microscopy/energy dispersive x-ray spectrometry (SEM/EDX) (Tr. v. 38:5634, 5640-42). He found no evidence of the coatings that Drs. Ager and Smith claim cover the alleged precious metal particles in the Eldorado Valley (Tr. v. 38:5647).

Using SEM, he examined cross-sections of particles down to a half micron in size taken from the Mijo samples and did not perceive a coating structure nor all of the same constituents that Drs. Ager and Smith contended comprise the coatings (Tr. v. 38:5642-43, 5645-47). His testimony in this regard is entitled to greater weight because he has more specialized experience in the use of such equipment than do Drs. Ager and Smith and because Dr. Ager’s credibility is suspect.

After being asked to assume that the coatings exist and that their composition and

structure were accurately described by Drs. Ager and Smith, Contestant's experts refuted the various assertions of Contestees' witnesses as to why a fire assay could not reliably detect precious metals in the Mijo material (see, e.g., Tr. v. 37:5474-83, 5526-29; v. 38:5676-78; v. 39:5905-07, 5910). Dr. Pray noted that the Mijo material also contained ilmenite, which is refractory (Tr. v. 39:5941-42), but that ilmenite can be digested in a fire assay (Tr. v. 36:5291-92, 5448; v. 37:5469, 5524-25).

In response to Dr. Ager's observations that the melting temperature of the outer coating (1,500° C) and clay minerals (1,100 to 1,300° C) is higher than the standard fire assay temperature, Dr. Lechler testified that the melting temperature of the constituents of a material is not critical as to whether a fire assay will reliably detect precious metals within the material (Tr. v. 37:5477-78). Rather, it is the flux that must melt in order to *corrode* – not melt – the precious metal particles and therefore allow the lead collector to “catch” or fuse with the precious metals (Tr. v. 15:281-82; v. 35:5201; v. 36:5440-41; v. 37:5477; v. 38:5674; Ex. 8, p. 32; Ex. 41, p. 25).

If there is a highly refractory material in the sample, a competent assayer will be able to detect it by observing irregularities in the process and then modify the composition of the flux to make it sufficiently corrosive to dissolve the refractory substance (Tr. v. 2:433-34; v. 35:5159-61; v. 36:5305-06; 5341-42; v. 37:5467-69, 5553-55; v. 38:5668, 5670-71; Ex. 8, p. 32). This is standard industry practice (Tr. v. 37:5469; v. 38:5670).

Thus, one of the most refractory substances known, chromite, may be successfully dissolved by modifying the flux (Ex. 41, pp. 31-32; Tr. v. 37:5469-70). Most, if not all, of the substances purportedly coating Eldorado Valley material are less refractory than chromite (see, e.g., Tr. v. 37:5469 (Lechler testifying that chromite is probably more refractory than ilmenite and that smectite and illite are not particularly refractory); see also Tr. v. 36:5259; v. 37:5528-31 (clays not difficult to dissolve)). Further, quartz, which has a melting point (1,600 C) higher than that of the constituents of the Mijo material, is successfully digested by fire assay on a regular basis (Tr. v. 37:5477).

Contestees' witnesses also testified as to the importance of testing fresh samples, asserting that the material is time sensitive so that assaying (by various methods) will detect less or no value if the excavated material is first exposed to the atmosphere for a substantial period of time (see, e.g., Tr. v. 14:112-13, 126-27; v. 15:196-97; v. 26:3505; v. 32:4477-91, 4536-42). However, their statements do not withstand scrutiny because they lack consistency and a scientific basis.

Their statements varied not only with regard to the explanations for this purported phenomenon (see generally Tr. v. 32:4477-91; v. 39:5852-56, 5885), but also as to the existence of the phenomenon. Mr. Matheson testified, without supporting scientific analysis, that concentrating a sample and then leaching it eliminated the time sensitivity problem so that only head ore samples were time sensitive (Tr. v. 22:2671-72; v. 27:3718-19; v. 31:4342-43; v. 32:4477-79, 4490-91, 4536-39, 4544-45). Mr. Phebus stated that fresh samples were not

needed to assay by scorification (Tr. v. 34:5071-72), and Mr. Henderson did not observe any time sensitivity problem whatsoever (Tr. v. 3:705, 707-08; see also Tr. v. 2:409-10). In fact, Mr. Matheson repeatedly testified that "time sensitivity" is a misnomer (Tr. v. 32:4477, 4480-81, 4485).

He and Dr. Ager explained that the method of drying of a sample is critical because of the moisture that the clay constituents absorb, retain, or lose over time and when processed (see, e.g., Tr. v. 13:2327-28; v. 17:3030-38, 3087-90, 3164-68; v. 19:3304-05; Tr. v. 32:4477-91). With regard to the alleged problems associated with the clay, Mr. Matheson acknowledged that he did not know what happened or why but was merely relating Dr. Ager's theories (Tr. v. 33:4666-69).

In Dr. Ager's words, if the material is exposed to the atmosphere so that it "arbitrarily dries", then the material "self-precipitates its mineral grains, which plug the pores in the [material] and prevent further loss of water * * *, even when you put it into a drying oven. * * * It's important because when you go to grind it, you're trying to grind plasticine, [so] you can't shear it or grind it." (Tr. v. 17:3032) The plasticine clays must then be "slagged off during fusion to expose the gold" (id.), which purportedly is problematic because their melting point is 1,100 to 1,300° C, as previously mentioned. Contestees' witnesses also testified that the absorption or retention of moisture in the clays can lead to "off-gasing" which will either substantially retard the fusion or cause a pressure buildup that forces the lead collector to drop prematurely (Tr. v. 5:51-52, 100-06, 284-88; v. 13:2327-28; v. 17:3030-38, 3087-90, 3164-68; v. 19:3304-05). There is no scientific basis for these explanations because, among other reasons, the amount of water is insignificant, any interstitial or hydroxyl water will be released by the time the fusion reaches 900° C, and any clay coating will dissolve in a standard fire assay (Tr. v. 12:2026, 2080; v. 35:5251; v. 36:5259; v. 37:5451-52, 5469, 5480-82, 5528-31; v. 39:5943, 5950).

Relatedly, Messrs. Matheson and Phebus testified that assay results varied by the furnace used and that better results were achieved using a furnace that was vented to release the pressure buildup and allow oxygen to enter (Tr. v. 7:1089; 13:2328-29, 2333-39; v. 14:142; v. 16:2817-22; v. 26:3447-48). However, Mr. Henderson testified that he has not "seen any difference over the years" with respect to using different furnaces (Tr. v. 3:698-700).

Dr. Guay also observed that better assay values were reported in oxidizing environments attributable to the use of scorification, a vented furnace, or nitre as an oxidizing agent (Tr. v. 5:231-34, 273-74). He recommended investigating the potential beneficial effects of an oxidizing atmosphere as something "a little more than" a hypothesis, "but maybe not much more than that." (Tr. v. 5:234).

Mr. Lewis confirmed that nitre is a strong oxidizing agent, but noted that it is typically used for sulfide ores, that the Mijo material is not sulfide, and that he could not conceive of nitre increasing greatly the precious metal values detected therein (Tr. v. 2:453, 464, 471-72). He also detected no anomalous levels of precious metals applying Mr. Henderson's scorification

technique, including venting the furnace, to Mijo samples provided by BLM to Legends (Tr. v. 2:406-08, 416-19). Consistent therewith, Dr. Pray testified that he had conducted studies of the effects of using different types of furnaces and different levels of oxygen and found no differences in the assay results for gold and silver (Tr. v. 39:5909-11).

Mr. Phebus also testified that time sensitivity related to oxidation of the excavated material, but he provided no explanation as to why oxidation would adversely affect a fire assay (Tr. v. 6:966-68; v. 7:1093-94). Messrs. Clay and Schumaker both testified that Mr. Phebus' testimony is based upon the false premise that the material was not already oxidized before excavation, as it sits above the water table (Tr. v. 1:166; v. 36:5313-14). Further, several of the samples assayed at BLM's request were sealed in nitrogen to avoid oxidation and no anomalous precious metal values were detected (Tr. v. 1:32-26; v. 36:5313-14).

Contestees' assertion that the particles are so small they will not drop through the slag, will pass into the cupel, or otherwise go undetected was also refuted by Contestant's experts (Tr. v. 15:282-83; v. 37:5472-74, 5479, 5482-83; v. 38:5672; v. 39:5448). Dr. Lechler explained that he had performed quality assurance tests where he spiked blank samples with precious metals in the subnanometer size, much smaller than the purported size of the Eldorado Valley particles (Tr. v. 37:5473, 5581). The precious metals nonetheless still reported to the top of the cupel, "[s]o particle size is not an issue." (Id.:5474; see also Tr. v. 38:5674-75 (Anderson testifying that Contestees' theory of loss to the cupel "is nonsense"). Dr. Anderson testified that, according to fundamental metallurgical principles, micron-size particles would actually be more likely to be corroded than larger particles during the fusion stage of a fire assay, and thus more likely to be caught by the lead collector and report to the button on top of the cupel (Tr. v. 38:5672; see also Tr. v. 37:5482-83, 5486; Ex. 8, p. 34).

Contestant's experts further refuted Contestees' assertions that scorification, the so-called "Belgian" assay technique, the "repetitive slag fire assay" method, and the "Slagmaster" technique are more reliable than a standard fire assay on Eldorado Valley material, even assuming the composition and size of the material described by Drs. Ager and Smith (see, e.g., Tr. v. 2:421, 441; v. 15:286-87; v. 35:5159-64; v. 36:5352-54; v. 37:5461, 5458-60, 5483-88, 5580-81; v. 38:5709-12, 5718, 5723-24; v. 40:6109-12). Dr. Lechler pointed out that the "Belgian" assay technique and scorification are "two end members of the fire assay procedure," with "[o]ne using a very large amount of flux" and the other "using a very, very small amount of flux." (Tr. v. 37:5485) He explained that, "what that should tell you if they both work," as Contestees assert, "almost any fire assay would work," and that "the standard fire assay would fall in between somewhere." (Id.)

Further, numerous witnesses, including Dr. Guay, testified that scorification is not commonly used and is less accurate and precise than a standard fire assay because of the large amount of lead in relation to the small sample size (2 grams) (Tr. v. 2:474-75; v. 5:273-74; v. 35:5134, 5144-45, 5156-57; v. 36, 5323-32; v. 37:5565-66; v. 38:5718-20). Moreover, as previously mentioned, Mr. Lewis employed Mr. Henderson's scorification technique on Mijo samples and found no anomalous levels of precious metals.

Likewise, repetitive assaying of the slags and/or cupels is a rarely used and inferior process, but for a different reason: precious metals can exist as impurities in the reagents (inquant and litharge) that may accumulate into measurable gold (Tr. v. 15:250, 286-87; v. 35:5162-63; v. 36:5352-55; v. 37:5461, 5487; v. 40:6110-11). Dr. Lechler also reassayed the slags from Mijo samples which he processed at Mr. Matheson's request in 1997 and found no anomalous levels of precious metals (Tr. v. 37:5458-60, 5580-81).⁸ Another reason repetitive fusions are rarely used is that they are unnecessary.

Contestant's experts uniformly concluded that, in a competently performed fire assay, it is impossible for significant amounts of precious metals to report to the slag or cupel (Tr. v. 1:170; v. 2:425-27; v. 35:5159-61, 5257; v. 37:5471-73, 5520; v. 38:5671, 5673, 5675; v. 39:5863; see also Tr. v. 5:223-24 (Guay admitting that there is no support in the literature for the proposition that all precious metal can go into the slag and cupel)). Any losses of precious metals to the slag or cupel might be of concern only in a close case, where the assay values approach economic levels (Tr. v. 36:5290).

Their conclusion is based not only on extensive experience, but also empirical studies, experimentation, and peer-reviewed literature. For example, Dr. Lechler's conclusion is based on experiments that "checked fire assay analytical results with other methodologies," such as atomic absorption and ICP-MS (inductively coupled plasma-mass spectrometry), and on having participated "in round robin assay comparisons with other laboratories." (Tr. v. 37:5471-72, 5520) Mr. Lewis' conclusion is based on 22 years of assaying experience and studies performed by Legend to determine losses to the slag and cupel (Tr. v. 2:425-27). Dr. Anderson testified that "there's a whole body" of scientific or peer-reviewed literature supporting the reliability of fire assay (Tr. v. 38:5709; see also Ex. 8).

The IBLA confronted a similar situation in United States v. Ramsey, 14 IBLA 152 (1974), appeal dismissed sub nom. Ramsey v. Morton, Civ. No. 74-192 (D. Or. May 1, 1975), aff'd, Civ. No. 75-2782 (9th Cir. Mar. 22, 1977). In Ramsey, the mining claimant relied on reports from "non-standard" assay techniques showing values in splits of samples that the fire assay method did not detect. Id. at 156. The IBLA observed:

In an apparent explanation of the disparity of results between their fire assays and their non-standard assays, appellants' expert witnesses stated that the gold was "clear down in the atoms" of the associated material. * * * While we do not categorically assert that such pre-Agricolian notions of metallurgy are totally invalid, neither do we believe that such evidence is entitled to probative weight without a showing of its scientific basis.

⁸Mr. Henderson told Mr. Lewis that reassaying the slag and cupel is not necessary (Tr. v. 2:409).

Id.

In the present case, the incomplete explanations of Drs. Ager and Smith do not establish an adequate scientific basis for the opinion of Contestees' witnesses that the material cannot be reliably assayed by standard fire assay, especially given the un rebutted refutations of their testimony by Contestant's experts. Consequently, that opinion is not entitled to substantial weight and must be rejected. See id.; see also Schlosser v. Pierce, 92 IBLA 109, 150 (1986) ("Where a party is reluctant to introduce purported evidence into the record to clarify crucial elements in his position, the probative value of the evidence is greatly diminished"), citing United States v. Chapman, 87 IBLA 216, 221 (1985).

In sum, the overwhelming weight of the evidence compels the conclusion that a standard fire assay will reliably assay Mijo material. Consequently, Contestees' allegations that the fire assay is unreliable must be rejected as unproven, and the consistent fire assay results presented above, all from reputable and well-qualified labs, are entitled to full weight.

b.

**Inductively Coupled Plasma Analysis
Shows The Absence Of Valuable Minerals**

NBMG analyzed Mijo samples using ICP-MS with microwave digestion (Tr. v. 1:39; v. 37:5491). Dr. Lechler explained that this technique involves essentially two steps: (1) complete digestion or dissolution of the sample in acid at high temperature and pressure and (2) instrumental analysis and detection of individual ions (Tr. v. 37:5492). NBMG conducted the analysis on splits of all the samples taken during the mineral examination (Tr. v. 40:5667-69; v. 37:5491, 5493-94). The ICP-MS analysis showed that the Mijo samples did not contain precious metals above average crustal abundance (Exs. 4, 5; Tr. v. 1:170-172, 174-75) and confirmed the fire assay results of Legend, Bondar-Clegg, and Chemex (Tr. v. 1:171; Tr. v. 2:39-40; 15:289-92).⁹

The ICP-MS results show that the Mijo material does not contain precious metals above average crustal abundance. In ICP-MS, the entire sample is digested so that the precious metals cannot go undetected (Tr. v. 1:175; v. 15:289-92; v. 37:5492, 5496). Any precious metals that might be lost to the slag or cupel in a fire assay would be detected (Tr. v. 1:171, 174-75).

Dr. Ager set forth reasons why ICP analysis might not detect the precious metals in Mijo material (Tr. v. 18:3099-3109), but Dr. Lechler explained why this reasoning does not withstand scrutiny (Tr. v. 37:5494-96; see also Ex. 10, p. 5 (stating that ICP-MS "will in general be free of

⁹Dr. Lechler testified that if splits of a sample are competently analyzed in separate labs using fire assay, ICP-MS, and neutron activation, he would expect the results to be closely similar, which has been "observed in many instances." (Tr. v. 37:5496-97)

any interferences”).

CAMP also analyzed Mijo samples using ICP analysis, but with atomic emission spectroscopy rather than mass spectrometry (Tr. v. 38:5685-87). The procedure CAMP used and its results are shown in Exhibit 39 at pages 3, 4-5, 7-8 and in Appendix VII.

No gold and silver above average crustal abundance were found. In addition, based on the fire assay, ICP analysis, and other analyses that CAMP performed on the Mijo samples, Dr. Anderson, who prepared the ICP samples and coordinated the rest of the work, testified that he did not see any evidence of precious metals in the Mijo samples above average crustal abundance (Tr. v. 38:5685-86; see also Ex. 39, pp. 2, 8).

c.

Neutron Activation Analysis Shows The Absence Of Valuable Minerals

Samples from the Mijo claims were also subjected to neutron activation (NA) analysis by Chemex (Tr. v. 40:5969). NA analysis involves evaluating the gamma ray radiation emitted by a sample subjected to neutron radiation (Tr. v. 18:3111-12; v. 40:5972-73). There are two types of NA analysis, epithermal and thermal, and it is unclear which type was used by Chemex (Tr. v. 40:5972).

All the Chemex samples showed insignificant quantities of gold (less than five parts per billion) (Ex. 67, p. 2). Several big mining companies being courted by Mr. Matheson also subjected Mijo material to NA analysis and reported no anomalous gold values (Tr. v. 14:49-50).

While acting as Contestees' representative, rather than as a witness, Mr. Matheson stated that Contestees had done a "study" on NA and discovered that only one of the two NA methods worked on the Mijo material (Tr. v. 40:5973-74). He further represented that "Dr. Ager [then] did some work and found out that the rare earths [in the Mijo material] were absorbing gamma rays * * *." (Tr. v. 40:5974).

According to Mr. Matheson, the alleged "study" consisted of only two Mijo samples being sent to Neutron Activation Services in Ann Arbor, Michigan for NA analysis in reaction to the zero-value NA results of the big mining companies (Tr. v. 14:50-52). Furthermore, Dr. Ager testified that he had never tried NA on the Eldorado ore (Tr. v. 18:3109-10).

Mr. Matheson stated that a representative of Neutron Activation Services told him that one sample was subjected to epithermal NA analysis and one to thermal NA analysis, that only the thermal analysis detected gold, and that the epithermal method does not appear to work on the Mijo material but that the thermal method does work (Tr. v. 14:52-53). Dr. Ager similarly testified that the thermal method is preferred (Tr. v. 18:3116).

He also opined that NA analysis may underestimate the amount of gold for various

reasons (Tr. v. 18:3110-18). He testified that NA analysis may undervalue the Mijo material because the gamma rays emitted by the gold may be absorbed by the coating on the gold or by heavy rare earth elements in the material (id.). However, as previously stated, he had not conducted any NA analyses on Eldorado Valley material (Tr. v. 18:3109-10, 3116-17).

Dr. Lechler refuted Mr. Matheson's contention that only one method of NA (thermal) works on Mijo material (Tr. v. 37:5489). He testified that, while there may be differences between the two types of NA for certain types of samples, given the Contestees' contentions regarding the concentration, size, and chemical composition of the alleged precious metal particles, he could conceive of no "particular problem" regardless of which form of NA was used (Tr. v. 37:5489-90).

Dr. Lechler also rebutted Dr. Ager's theories as to why NA might undervalue samples, stating that Dr. Ager was "hypothesizing" with no scientific data to support his contention (Tr. v. 37:5490-91). Dr. Lechler concluded that "the vast majority of people in the mining industry highly respect neutron activation as a method that reliably detects small amounts of precious metals" and that "[i]t's generally understood within the mining community that neutron activation[, in comparison to other analytical techniques,] generally returns the highest value * * * in an analytical sample because it's a very total analysis." (Tr. v. 37:5490-91, 5581-82)

Likewise, Mr. Clay testified that it would not matter which method of NA was used (Tr. v. 40:5972). He characterized the theory that the gamma rays would be absorbed by the gold's coating or heavy rare earth materials as pseudoscientific technobabble, explaining that gamma rays will penetrate several feet of concrete without slowing down and that the "thought that you can use a micro-thin coating of anything to stop gamma radiation is simply ridiculous (Tr. v. 40:5974-75).

Dr. Guay testified the small size of the sample (two grams) used for instrumentation analyses is problematic (Tr. v. 5:190). He did not specifically identify which analyses use a small sample size. A published article on assaying confirms that the smallness of the maximum sample size (two to three grams) for neutron activation spectroscopy can preclude accuracy where the sample has not been preconcentrated and there is inhomogeneity in the noble metal distribution (Ex. 8, p. 34). However, that article also states that "micrometre-sized gold, such as that allegedly present on the Mijo claims, should result in the most reproducible assays from all assay techniques." (Id.)

In sum, the weight of evidence shows that the NA analyses of the Mijo samples are reliable and reasonably accurate.

d.

Thiourea Leach Tests Show The Absence Of Valuable Minerals

Thiourea leach testing by Dr. Pray of samples from the Mijo 16/17 corner also detected

no gold and silver above average crustal abundance (Exs. 43, 45; Tr. 38:5732-39; Tr. v. 39:5904, 5909). That testing included following Mr. White's description of his thiourea leach process which Mr. Matheson provided to BLM (Exs. 44, 45; Tr. v. 38:5732-39; v. 39:5907-08), and which purportedly has been used to detect substantial gold values in the Mijo material and is proprietary.

Because Mr. White neglected to include an oxidizing reagent in the description, Mr. Pray did not use one when following the description (Tr. v. 38:5732-39; v. 39:5908-09). Subsequently, Mr. Matheson informed BLM that Mr. White's process did include either ferric chloride or hydrogen peroxide as an oxidizer and that it would not work without an oxidizer (Ex. 53; Tr. v. 38:5732-39). Dr. Lechler confirmed that a thiourea leach without an oxidizer will lixiviate only a small portion of any gold present (Tr. v. 37:5940).

However, Mr. Pray also processed some of the samples using a normal thiourea leach with oxidizer and no anomalous gold was detected (Ex. 43; Tr. v. 38:5683-84). Further, Dr. Anderson opined that there was nothing in Mr. White's process to justify considering it to be proprietary (Tr. v. 38:5685). The only unusual aspect was the use of cream of tartar, which "would lend an air of amateurism to it." (*Id.*)

At times, Dr. Ager took the position that a thiourea leach process will detect/extract gold from Eldorado Valley material only if certain procedures are followed (*see, e.g.*, Tr. v. 18:3163-68). He opined that the methods by which a sample was dried and grinded were critical and that he found through testing, "for reasons not completely clear still," if you avoided those two steps, no gold could be detected (*id.*)

However, when he was asked "what must [Mr. Gunnison] do for the leach to work on Eldorado Valley material", he responded, "Well, there's a number of ways you could make it work." (Tr. v. 18:3367). He then stated that many different sizes of grind work, with 200 to 300 mesh being the preferred range, and that Mr. Gunnison produced gold beads using different grinds (Tr. v. 18:3367-71, 3382). Mr. Phebus also reported gold values using different size grinds (Tr. v. 7:1051-53; v. 29:3918-22). In the end, Dr. Ager would only describe Mr. Gunnison's process in general terms because he identified the whole process as being proprietary, whereas Mr. Matheson said only the stabilizing chemical was proprietary (Tr. v. 15:164; v. 19:3370-73, 3377-90, 3400-04).

Ultimately, the record shows that a normal thiourea leach will work on the Mijo material. Dr. Pray so testified after consideration of the makeup of the Mijo material, as identified by Drs. Ager and Smith (Tr. v. 39:5905-07). Contestees' own witness, Mr. Phebus, testified that a "standard thiourea leach" works on Mijo material (Tr. v. 6:993; v. 7:1050-51).¹⁰ Thus,

¹⁰Mr. Phebus further testified that a thiourea leach would work by grinding the material to a minus 100 mesh (Tr. v. 7:1051-53). Dr. Pray, in performing his thiourea leach test, ground the samples to ten microns (Ex. 43), which is much smaller.

Dr. Pray's results are considered reliable.

e.

X-ray Diffraction, Scanning Electron Microscopy (SEM)/Energy Dispersive X-ray Spectrometry, And Ocular SEM Analysis Show The Absence Of Valuable Minerals

Dr. Griffiths, serving as a consultant for CAMP, analyzed Mijo samples by X-ray diffraction (XRD) and scanning electron microscopy/energy dispersive x-ray spectrometry (SEM/EDX) (Tr. v. 38:5634, 5640-42). He detected no evidence of gold or other precious metals in the portions of the Mijo samples he analyzed and was confident in his analyses and conclusions (Tr. v. 38:5646; Ex. 39, pp. 3, 8).

Nor did Dr. Griffiths find evidence of the coatings that Drs. Ager and Smith claim cover the alleged precious metal particles in the Eldorado Valley (Tr. v. 38:5647). Using SEM, he examined cross-sections of particles down to a half micron in size taken from the Mijo samples and did not perceive a coating structure nor all of the same constituents that Drs. Ager and Smith contended comprise the coatings (Tr. v. 38:5642-43, 5645-47). His testimony in this regard is entitled to greater weight because he has more specialized experience in the use of such equipment than do Drs. Ager and Smith and because Dr. Ager's credibility is suspect.

2.

Contestees' Samplings And Analytical Results

a.

General Observations And Applicable Law

In contrast to Contestant's evidence of mineralization or lack thereof, Contestees' evidence of mineralization is generally unreliable and not substantially probative for a number of reasons. Consequently, the weight of the evidence shows that the Mijo claims do not contain precious metals above average crustal abundance and, therefore, that the claims are invalid for lack of discovery.

Contestees' mineralization evidence is unreliable and lacking in probative weight because of (1) the lack of information regarding sample locations, weights, and methods, (2) their assayers' dishonesty, poor reputations, and/or demonstrated sloppiness or incompetency analyzing standards, blanks, and other samples, (3) their reliance on assay techniques - many proprietary and/or unconventional in nature - which are unproven, unreliable, and/or not adequately described, (4) the poor or questionable credibility of many of Contestees' pertinent witnesses, (5) notable inconsistencies between some of Contestees' witnesses, (6) the failure to show that the evidence pertains to the Mijo claims as opposed to other claims in the Eldorado Valley, and (7) the wide variations in assay results for splits of the same samples.

That wide variation is undisputed (see, e.g., Tr. v. 8:1474-77; v. 11:1873-79, 1885-88; v. 14:45, 71; v. 15:242-43; v. 22:2539-40; v. 32:4626-28; v. 35:5130-31, 5203; v. 39:5860-61; Ex. A-130), but the parties differ as to the significance of that variation. Contestees contend that the variation evidences the difficulty of assaying the Mijo material by conventional methods and the differences in efficacy between the numerous assay methods which they tested. Contestant's experts convincingly countered that the material is not difficult to assay by conventional methods, as previously discussed, that those methods, if competently performed, should produce comparable results for splits of the same sample, and that the wide variation is indicative of problems with the splitting or assaying of the samples and renders the results unreliable (see, e.g., Tr. v. 11:1888, 1895; v. 12:2155-56; v. 15:242-43, 280-83, 287-88; v. 35:5187-90, 5203; v. 36:5276-79, 5437; v. 37:5496-97, 5581-82, 85-86; v. 38:5700-01; v. 39:5860-61).

Information regarding sampling is important because samples of mineralization must be representative of the mineral-bearing material which remains in the ground in order to be meaningful, see, e.g., United States v. Bechthold, 25 IBLA 77, 88 (1976); United States v. Parker, 82 IBLA 344, 91 I.D. 271, 278 (1984); United States v. Nicholson, 31 IBLA 224, 232-33 (1977); United States v. Crowley, 124 IBLA 374, 376-82 (1992), and not simply selective showings of the best mineralization. Bechthold, 25 IBLA at 88. "[H]igh assay reports alone are not evidence of a discovery. The nature of the samples yielding the high values must be considered and the evidence, taken as a whole, must suggest that the assay results are representative of mineralization on the claims." United States v. Lambeth, 37 IBLA 107, 114 (1978). Without information as to the size and nature of samples and the method by which they were taken, the samples cannot be determined to be representative and are thus entitled to little weight. See United States v. Guthrie, 5 IBLA 303, 308 (1972); United States v. Clifton, 14 IBLA 146, 151 (1974); United States v. Denham, 29 IBLA 185, 190 (1977).

Without sampling information, it is impossible to judge the extent and continuity of the mineralization or the quantity of ore of like quality. See Crowley, 124 IBLA at 380-82; United States v. Mavros, 122 IBLA 297, 306 (1992); Parker, 91 I.D. at 278. Such information as the distances between samples is necessary, among other reasons, to ascribe an area of influence for each sample, see United States v. Collord, 130 IBLA 266, 297 (1994), aff'd in relevant part, rev'd in part, Civ. No. 94-0432-S-EJL (D. Idaho Sept. 28, 1994), aff'd, 154 F.3d 933 (9th Cir. 1998), and to calculate the weighted average value of the samples.

The proper method of calculating the average grade (value) of the mineralization within a deposit is a weighted average. United States v. Franklin, 99 IBLA 120, 123 n.2 (1987). IBLA has refused to accept a numeric average as representative of the value of mineralization. Id.

Also, "[i]t is important that the 'custodial security' of samples taken from mining claims be maintained and, in the absence of assurances thereof in the record, the reliability of assay results is weakened." Crowley, 124 IBLA at 381; see also United States v. Connor, 139 IBLA 361, 372-73 (1997). Ultimately, the trier of fact is not required to believe or give probative weight to unreliable or inherently incredible evidence, United States v. Gillette, 104 IBLA 269, 275 (1988), and the probativeness and reliability of hearsay evidence such as assay reports

depends upon many factors, some of which are identified in R.C.T. Engineering Inc. v. OSMRE, 121 IBLA 142, 151-52 (1992). See also United States v. Jones, 2 IBLA 140, 145 (1971); United States v. Burt, 43 IBLA 363, 367-68 (1979).

Contestees' typical sampling method suffers from at least two deficiencies: they did not weigh the excavated material and some of it was spilled rather than captured when placing it into buckets. The typical method consisted of scraping off the top surface, digging down one to three feet with a shovel, sifting the removed material through a ¼-inch screen into a five-gallon bucket, and discarding the over-¼-inch material without weighing it (Tr. v. 27:3713-14; v. 28:3773, 3779-90; v. 30:4108-11, 124-26).

Mr. Matheson explained that they did not weigh the discarded material nor typically the ¼-inch-minus material because they discovered, by "test[ing] it numerous times," that the weight of the ¼-inch-minus material roughly equals the weight of the discarded material (Tr. v. 30:4110-11). However, if the minus-¼-inch fraction was concentrated by magnets, the typical procedure was to weigh that fraction in the bucket, dump it on the floor or plywood, separate the magnetics with a rake magnet, and then weigh the magnetic fraction (Tr. v. 27:3713-14; v. 28:3782; v. 33:4809-12). Mr. Matheson acknowledged that there was some spillage of the minus ¼-inch fraction as it was screened into the bucket, that the 1:1 ratio between the ¼-inch-minus material and the discarded material may vary by 15-20 percent, that the ratio will vary by location by an unknown amount, and that he had not weighed drill hole samples to see if the alleged ratio applied to material at depth (Tr. v. 30:4019; v. 32:4580-81; v. 33:4697-98).

Furthermore, the exact location of the vast majority of samples is unknown. For the alleged hundreds or thousands of assays of Mijo material conducted at Contestees' insider-funded labs (Mr. Vincent's lab or the Becki M millsite), Contestees generally failed to provide any specific information regarding sample locations, weights, or methods or assay results but, rather, simply provided estimated average assay results or no information whatsoever.

For assay results from outside labs, Mr. Matheson submitted Exhibit A-129, which purportedly contains sample and assay data for which the sample location and chain of custody are known for each sample (see, e.g., Tr. v. 26:53-54, 2685). Nearly all the sample locations are depicted on maps which were prepared in late 2000, well after the samplings took place (Tr. v. 27:3558). Mr. Matheson testified that the maps only show an "estimate" or "rough location" of each sampling location (Tr. v. 27:3562).

The probative value of evidence of high grade samples is dependent on not only sample information, but also the assayer's reputation and qualifications and assay techniques, see, e.g., Gillette, 104 IBLA at 275, and whether supporting assay reports are adduced, see, e.g., United States v. Wells, 11 IBLA 253, 267 (1973). Results produced by unconventional methods or disreputable or unqualified assayers may be entitled to little or no weight. See Gillette, 104 IBLA at 275.

Drs. Anderson and Pray testified as to the importance of reputation in the mining industry

because fraud is prevalent and the risks are high (Tr. v. 38:5691-94; v. 39:5911-12, 5915). Dr. Anderson stated that it is not reasonable to rely on an assayer who has a poor reputation, who repeatedly cannot accurately assay blanks or standards, or who uses proprietary methods which are not proven to be technologically/scientifically sound and reproducible by competent assayers (Tr. v. 38:5693-94).

The assay data upon which Contestees rely to support their claim of discovery of a valuable mineral deposit is found mainly in five exhibits, Exhibit A-129, which is a loose-leaf notebook with 35 sets of assay data, Exhibit A-183, which was intended to "correct" page 1 of Exhibit A-129, and Exhibits A-158, A-159, and A-160 (incorrectly marked as Exhibits A-159, A-160, and A-161, respectively).¹¹ . The vast majority of this data was collected after June 6, 1994, the date the Mijo claims were segregated.

b.

The Import Of Segregation Of The Mijo Claims And Contestees' Pre-segregation Evidence Of Mineralization

The date of segregation or withdrawal from mineral entry is typically critical because a mining claimant acquires rights which cannot be cancelled by the withdrawal only if the claim is perfected (including discovery) on the date of withdrawal. United States v. Mavros, 122 IBLA 297, 301-02 (1992). Furthermore, "[o]nce made, a discovery must be maintained. * * * [U]ntil a patent application has been perfected and the equitable title has vested, a claimant runs the risk of losing his discovery * * * if a material change in market conditions renders it unreasonable to expect that the mineral can be mined at a profit." Id. Thus, there are two points in time at which a discovery must exist and present marketability is judged: the date of withdrawal and the date of the hearing, and no further exploration to physically expose valuable mineral of sufficient quality and quantity to constitute a discovery may be permitted after the date of withdrawal. Id.

However, sample data collected after the withdrawal date may be used to establish the existence of a valuable mineral deposit on that date. A distinction is properly drawn between discovery of a valuable mineral deposit and the samples taken to verify the value of the deposit. United States v. Waters, 146 IBLA 172, 182 (1998).

A necessary precondition to the discovery of a valuable mineral deposit is the exposure within the claim of the mineral deposit carrying the mineral values worth exploiting. See United States v. Feezor, 74 IBLA 56, 90 I.D. 262, 272 (1983); United States v. Gunsight Mining Company, 5 IBLA 62, 69 (1972). Consequently, a crucial requirement is that the deposit be physically exposed as of the date of withdrawal, see Conner, 139 IBLA at 364, and the discovery

¹¹The transcript makes clear that Exhibits A-158, A-159, and A-160 are mismarked as Exhibits A-159, A-160, and A-161, respectively (Tr. 31:4238-59). This Decision references the correct numbers rather than the mismarked numbers on the exhibits.

must be based upon showings of mineral value from the source (mineral deposit) on the claim which was exposed prior to the withdrawal date. See United States v. Converse, A-30177, 72 I.D. 141, 146 (1965), aff'd, 262 F.Supp. 583 (D. Or. 1966), aff'd, 399 F.2d 616 (9th Cir. 1968), cert. denied, 393 U.S. 1025 (1969); Marvel Mining Co. v. Sinclair Oil & Gas Co., A-30871, 75 I.D. 407, 419-20 (1968).

Because it is the date of the exposure of the mineral source, not the date of sampling, which controls, samples taken after the withdrawal date are admissible if taken from the mineral source exposed prior to the withdrawal date. Id.; Converse, 72 I.D. at 146. For example, assay results from drill samples taken from a mineralized zone after the withdrawal date will support a conclusion that there was an exposure of a valuable mineral deposit prior to withdrawal if reasonable geologic projection leads to a conclusion that the drill samples and the exposure made prior to withdrawal are from the same mineralized structure. United States v. Foresyth, 100 IBLA 185, 207 (1987).

Based upon the foregoing precedent, Contestant argues that the data generated post-withdrawal by Contestees is irrelevant. The underlying assumption is that Contestees failed to show the exposure of a mineral deposit or the existence of a valuable mineral deposit as of the withdrawal date and therefore that the claims may be declared invalid without reference to post-withdrawal data or to whether a discovery existed on the date of hearing.

Contestees counter that the post-withdrawal data is relevant because (1) Contestant should have revoked the segregation of the land encumbered by the Mijo claims in 1996 when the land purportedly was dropped from the proposed land use exchange which justified the segregation and (2) because the pertinent samples were taken from points where mineral was exposed prior to the withdrawal date. Ultimately, this dispute is immaterial because the evidence shows that no discovery existed either on the date of withdrawal or at any time thereafter.

i.

**The Legality Of The Segregation Is Not Justiciable And Is Irrelevant
Under The Notation Rule, And, In Any Event, The Segregation Was Lawful**

Contestees argue that, by 1996, the lands encompassed by the Mijo claims had been dropped from the land exchange proposal which served as justification for segregation of the Mijo claims and, consequently, that BLM was required to issue "promptly" an order opening the lands to mineral entry pursuant to 43 C.F.R. § 2201.1-2(2)(c). Contestees argument must be rejected for three reasons.

First, objections to the merits or continuation of a withdrawal are not justiciable in the context of this proceeding. See Ronald A. Pene et al., 147 IBLA 153, 157 (1999); Harry H. Wilson, 35 IBLA 349, 360 (1978). Second, assuming, arguendo, that the issue is justiciable, Contestees' argument is irrelevant because of the notation rule:

It is well established that, under the “notation” or tract book rule, where BLM’s official records have been noted to reflect the devotion of land to a particular use which is exclusive of other conflicting uses, no incompatible rights in that land can attach pursuant to any subsequent entry of application until the record has been changed to reflect that the land is no longer segregated. B.J. Toohey, 88 IBLA 66, 77-82, 92 I.D. 317, 324-26 (1985); O. Glenn Oliver, 73 IBLA 56, 59 (1983); Paiute Oil & Mining Corp., 67 IBLA 17 (1982); and cases cited therein. The rule applies even where the notation was posted to the records in error, or where the segregative use so noted is void, voidable, or has terminated or expired, so long as the records continue to reflect it as efficacious. Paiute Oil and Mining Corp., 67 IBLA at 20.

D. Stone Davis D/B/A. Daisy Trading Co., 155 IBLA 133, 135 (2001).

Mr. Chatterton testified that he reviewed the master title plat (MTP) and that both the first and second segregation were noted on the MTP before or on the date of each segregation. He further testified that the MTP reflected the segregation as in effect ever since the effective date of the first segregation. Contestees did not dispute or attempt to rebut this testimony. Consequently, pursuant to the notation rule, the lands were not available for mineral entry beginning June 6, 1994.

Third, the continuation of the segregation was lawful because (1) the factual premise of Contestees argument is contradicted by Mr. Chatterton’s testimony that all of the segregated lands are still being considered for inclusion in the land exchange, and (2) the IBLA rejected a similar interpretation of the regulation in Edward A. Snider, 152 IBLA 309 (2000). In that case, the appellants argued that, because the underlying land exchange was inactive, § 2201.1-2(2)(c) required the lands to be open. The IBLA stated,

It has long been held that lands which have been segregated from entry under some or all of the public land laws remain so segregated until there is a formal revocation or modification of the segregation. See James E. Morgan, 104 IBLA 204, 205 (1988); Samuel P. Speerstra, 78 IBLA 343, 244 (1984). The regulation cited by appellants simply requires that once BLM makes a decision not to proceed with an exchange, it publish an opening order specifying a date and time. Until the date set in the opening order, the land remains segregated. Thus, regardless of whether or not [the] land exchange . . . was an active exchange at the time of the location of these claims, the land was still segregated from mineral entry at that time.

Snider, 152 IBLA at 312 (emphasis added). Therefore, the lands encumbered by the Mijo claims have been segregated from mineral entry from June 6, 1994 until at least July 23, 2002, when the second segregation order was scheduled to expire.

In posthearing briefing Mr. Matheson states that a “check of the Master Title plat at the

State Office on July 24, 2002 indicated the lands in Section 14, Township 23 South, Range 63 East, in the Alunite Mining District are now open to location." However, the hearing record contains no such evidence, as the hearing concluded on February 28, 2002.

Assuming, arguendo, that the segregation did expire on July 23, 2002, the import thereof is unclear and has not been briefed by the parties. What is clear from the entire hearing record is that no discovery has existed on the Mijo claims at any time, as more fully discussed elsewhere herein, and therefore the dispute over the relevancy of the post-withdrawal data is immaterial.

ii.

**Contestees' Pre-segregation Evidence Of Mineralization Cannot Be Given
Substantial Probative Weight And Falls To Show A Discovery**

Contestees' evidence of mineralization generated before June 6, 1994, does not demonstrate an exposure of a mineral deposit, much less a valuable one, given the paucity of data, the factors diminishing the evidence's probative worth, and Contestant's strong evidence of the lack of mineralization. In Exhibit A-129, only six sets of data were generated before June 6, 1994, marked by Contestees as Nos. 1, 2, 3, 4, 4a, and 5 and referred to herein as data sets 1, 2, 3, 4, 4a, and 5, respectively. Contestees also adduced two other data sets derived from samples taken before June 6, 1994, as Exhibits A-158 and A-159 (incorrectly marked as Exhibits A-159 and A-160, respectively). Those data sets and other evidence of purported mineralization are discussed below.

Ex. A-129, No. 1—Sampler: Phebus, Assayer: Phebus

Data set 1 was generated solely by Mr. Phebus. That data set consists of Mr. Phebus' "best estimate of average assay results" for gold in the head ore and gold in the magnetic concentrate, which are 0.15 oz/ton and 2.0 oz/ton, respectively, for samples taken in 1990 and 1991 (Ex. A-129, p. 1-2; Tr. v. 29:3959, 3964-66).

Mr. Phebus characterized the samples as grab samples taken from the alleged 800-foot by 200-foot major testing pits and from the western half of the Mijo 17 claim (Tr. v. 29:3956-58; Ex. A-129, p. 1). From the latter area, 200 samples were taken, spaced 50 feet apart, in a grid pattern (Tr. v. 29:3957, 3960). Mr. Phebus' description of the sampling method comported with Contestees' deficient, typical sampling method of sifting the removed material through a ¼-inch screen into a five-gallon bucket and discarding the over-¼-inch material without weighing it (Tr. v. 29:3956-59)

Mr. Phebus did not know the precise locations of the samples and none of them were monumented (Tr. v. 29:3955, 3960). He also testified that the average values are his recollection of averages determined in approximately 1990 from a couple hundred tests showing "numbers [which] were all over the place" (Tr. v. 29:3963-66) and that a variety of assay techniques and assayers were used to assay the samples, including unconventional methods such as reassaying

the slags and cupels (Tr. v. 29:3971-76). No assay reports, laboratory books, or other similar documentation was adduced in support of Mr. Phebus' average assay estimate.

Data set 1 is unreliable both because of Mr. Phebus' poor credibility and the lack of detailed information regarding the sampling and assaying. As discussed earlier, Mr. Phebus' testimony carries little probative weight because, among other reasons, it is based upon the existence of 800-foot by 200-foot major testing pits which never existed. In addition, his estimate was not and could not have been based upon a proper weighted average value of the samples because information is lacking regarding the correct weight of the samples and the distances between some of the samples. Further, it is impossible to determine whether his estimate is reliable without the sample-specific details, including the assay technique and result and the assayer's identity, reputation, and qualifications.

Ex. A-129, No. 2—Sampler: Phebus, Assayer: Union Miniere

According to Messrs. Phebus and Matheson, the sample for data set 2 (reported values for gold, platinum, and palladium in troy ounces per ton of black sands of 9.324, 4.405, and 10.095, respectively) was the sample taken by Mr. Phebus and sent to Union Miniere for assaying in December 1990 (Tr. v. 3:751-52; v. 13:2344; v. 16:2841). Both witnesses' credibility is suspect, especially with respect to Union Miniere, as Mr. Matheson's testimony regarding the "Belgian" assay procedure was contradicted by Union Miniere officials and Mr. Phebus gave two different accounts of the amount of material extracted for that sample and three different accounts of the sample location (Tr. v. 3:751-52; v. 29:3934; v. 30:4025-26, 4063; v. 38:5628; Ex. A-129, p. 2; Ex. A-183; Ex. HH), with the last one being within one of the 800-foot by 200-foot major testing areas that the record shows could not have existed.

Mr. Phebus also stated that the sample location was not monumented (Tr. v. 30:4029-30), that the sample was weighed only after it was screened and run through a magnetic separator (*id.* p.4027-28), and that he thinks the sample was screened to minus 30 mesh but he "may be wrong on that." (Tr. v. 6:978-79) The failure to show where and how a sample was taken and how the weight of the black sands relates to the weight of the excavated material greatly diminishes the probative value of the assay results.

Contestees also fail to establish the chain of custody. Mr. Phebus gave the sample to Gene Smith who placed it in five five-gallon buckets, sealed the buckets with duct tape, and sent them by Federal Express to Bruxelles, Belgium, for pick up by James Keller, who lives in Germany and is associated with a company called "Quintica" (Tr. v. 26:3499-3500; v. 30:4035-37; v. 31:4363-64; Ex. 61, pp. 1-2, Att. 1). However, Mr. Matheson did not know the details of how the sample was then transferred from James Keller to Union Miniere (Tr. v. 31:4364).

Furthermore, a letter from Union Miniere indicates that every "black sand" sample received from Mr. Keller after the first one showed no commercial quantities of precious metals, and suggests that the first sample may have resulted from apparent "fraud problems inside the Quintica organisation." (Ex. 61, p.2). All these reasons compel the conclusion that data set 2 is

unreliable.

Ex. A-129, No. 3—Sampler: Matheson, Assayer: Rogers Research

Data set 3 (0.218 ounces of gold per ton) was generated from a sample allegedly taken by Mr. Matheson and assayed by Mr. Claire Rogers, the proprietor of Rogers Research (Tr. v. 22:2560-51; v. 30:4089-4100). This data set is not reliable for several reasons.

First, Mr. Matheson admitted not knowing how Mr. Rogers prepared the sample for assay (Tr. v. 30:4098-99), nor is the record clear what type of assay he performed. Mr. Matheson testified that Mr. Rogers applied “an x-ray-type technique” to the sample (Tr. v. 22:2653), later indicating on voir dire that it was “X-ray diffraction, I think, that Mr. Rogers developed himself.” (Tr. v. 30:4098). This appears to be the only explanation of Mr. Roger’s technique in the record.

In light of the apparent uniqueness of Mr. Roger’s process, it cannot be deemed to be reliable without some proof. This is underscored by Mr. Matheson’s concession that Mr. Rogers has “been very controversial in the industry.” (Tr. v. 22:2653).

Second, Mr. Rogers did not competently assay “blind” samples of known standards and blanks provided to him by BLM. Rogers Research was one of the assayers who Contestees claimed could reliably assay Mijo material and to whom BLM sent “blind” samples to test their competency (Tr. v. 39:5804-06, 5817-19). Mr. Rogers “reported that he performed a fire assay and XRF analysis of each sample,” and provided results for both techniques (Ex. 57). The results were far off the mark and scattered “all over the place” (Tr. v. 39:5818), indicating “unbelievably bad laboratory technique” (Tr. v. 39:5819).

Third, Mr. Matheson testified that he screened the sample to minus 1/4-inch (Tr. v. 30:4091), but the assay sheet from Rogers Research indicates that the assay was performed on “head ore” (Ex. A-129, p. 3-1). In addition, Mr. Matheson admitted that he followed his usual procedure of not weighing any of the excavated material because he assumes that 50 percent would pass through the 1/4-inch screen (Tr. v. 30:4092). Consequently, it is impossible to calculate the exact value of the excavated material.

Ex. A-129, Nos. 4 and 4A—Sampler: Matheson/Ager, Assayer: DCRS (Barefoot)

Data sets Nos. 4 (0.037 ounces of gold per ton) and 4A (0.069 ounces of gold per ton) were generated from samples taken by Mr. Matheson and Dr. Ager in October and May, respectively, of 1993, and purportedly processed by Robert Barefoot of DCRS (US) Ltd. to produce certain amounts of gold. These data sets are unreliable for several reasons.

First, Contestees failed to show that Mr. Barefoot is a qualified and reputable assayer. They failed to adduce any evidence of his education, training, or professional affiliations other than equivocal statements by Dr. Ager and Mr. Matheson that they thought Mr. Barefoot was a

chemist (Tr. v. 19:3418-19; v. 30:4116). Mr. Matheson mistakenly equated Mr. Barefoot with Dr. Ron Barefoot, an analytical geochemist (Ex. 2, Atts. 9-8a, 9-8b; Tr. v. 36:5374-75), so even the equivocal statements as to Mr. Barefoot's chemistry background may be based upon misinformation.

Further, Mr. Barefoot's reports indicate that the samples were analyzed in Arizona (Ex. A-129, pp. 4-1, 4A-1), but he is not registered in that state to conduct assays (Ex. 2, p. 16; Tr. v. 19:3418, v. 36:5378). Arizona state law requires all assayers to be registered and provides for criminal penalties for those that are not. See Ariz. Rev. Stat. §§ 32-101(B)(5), 32-121, 32-145.

In light of the lack of information regarding Mr. Barefoot's qualifications and reputation, an adequate description of his assaying techniques is particularly important. That description was not provided.

The process used by Mr. Barefoot to produce the reported gold in both data sets 4 and 4A is not adequately explained or identified as being conventional or reliable. Mr. Barefoot's reports indicate he processed the material through a "DCRS Autocon metal concentrator" then "electro-amalgamated" the product "with the amalgams distilled and treated with concentrated nitric acid to liberate the bullion." (Ex. A-129, pp. 4-1, 4A-1). Dr. Ager testified that he never actually saw Mr. Barefoot's process work on the samples taken from the Mijo claims (the October 1993 samples) (Tr. v. 19:3420-21), and that Mr. Barefoot refused to explain to him how the process worked (Tr. v. 18:3227, v. 19:3426). Mr. Matheson similarly testified that he did not know what process Mr. Barefoot used (Tr. v. 30:4114-15).

The record does provide some detail as to several processes that Mr. Barefoot apparently developed, including one called the "DCRS recovery technique" and a patented process (Ex. 2, Att. 9-8g, -8l, -8m to -8o, -8q to -8r). However, there is no evidence establishing that the process allegedly used on the Mijo material is the same as any of these other processes. Whatever process was used on the Mijo material apparently has not been commercially successful because Mr. Barefoot's mill (the DCRS facility in Congress, Arizona) is in a state of disuse and Mr. Barefoot is pursuing other vocations (Tr. v. 30:4117; v. 36:5375-77).

Details regarding the samplings are also lacking. With respect to data set No. 4, which was generated in October 1993, Contestees adduced a map to show the sampling locations (Ex. A-129, p. 4-2; see also Tr. v. 19:3416-17, 3424). However, the map gives only an east-west measurement to determine the sampling sites, not a north-south measurement. Also, the units for the east-west measurement are shown to be in feet, but Mr. Matheson admitted that the measurement was made by Dr. Ager simply pacing off a number of steps (Tr. v. 30:4103-04), which is not very precise.

Dr. Ager testified that he took the samples by using a shovel and putting the raw material through a screen into a bucket, which he then took to Mr. Barefoot's facility (see Tr. v. 19:3416-17), and Mr. Matheson testified that the screen was minus 1/4-inch (see Tr. v. 30:4104, 4108).

However, Mr. Matheson admitted that the raw material was not weighed and that there was some spillage of the minus-1/4-inch fraction (see *id.*:4109), so it is impossible to know the value of the material that had been excavated. In addition, Dr. Ager's and Mr. Matheson's assertion that the samples were screened is contradicted by Mr. Barefoot's report stating that he received "alluvial bulk" samples which he screened using a minus-1/4-inch mesh before processing (Ex. A-129, p. 4-1).

With respect to data set No. 4A, which was generated in May 1993, Contestees also failed to establish the exact sampling location (Tr. v. 30:4123-24) (Matheson testifying that the location was not monumented and that he could not locate it any better than saying it was "probably 2- or 300 feet" from a geologic survey marker). Mr. Matheson testified that the sample was split, with one of the splits being assayed by Brian Stone doing business as Gold Hunter (Tr. v. 32:4602, 4604, 4610-11; Ex. A-158). On identical maps Mr. Matheson marked the sample location to the west of a geological feature for the split sent to Mr. Barefoot and to the east of that feature for the split sent to Mr. Stone (Ex. A-129, p. 4A; Ex. A-159).

Mr. Matheson also admitted that he did not weigh the material that was excavated and that some of the minus-1/4-inch fraction spilled during screening (Tr. v. 30:4124-25), which precludes calculating the value of the excavated material. In addition, Mr. Matheson's claim that this sample was screened is again inconsistent with Mr. Barefoot's report for this sample, which states that he received an "alluvial bulk" sample (Ex. A-129, p. 4A-1).

Given all these circumstances, data set Nos. 4 and 4A are entitled to little or no probative weight.

Ex. A-129, No. 5-Sampler: Matheson. Assayer: Rogers Research

Data set No. 5 is based on a sample allegedly taken by Mr. Matheson and assayed by Mr. Rogers (Tr. v. 22:2657-58; v. 30:4128-35; v. 32:4597-99). This data set lacks probative worth because the exact sampling location, the amount of material excavated for the sample, and the exact process used to prepare the sample are unknown, the assay technique employed by Mr. Rogers is unknown, and Mr. Rogers is an incompetent assayer.

Mr. Matheson was imprecise in describing the sampling location, stating that he took this sample by wandering "probably 300 feet down and 300 feet out" from the corner of Mijo 17, and that the sampling location was never monumented (Tr. v. 30:4128). Likewise, the evidence of how the sample was processed before it was sent to Mr. Rogers is less than clear.

Mr. Matheson followed the usual sampling method, which means that the sample was screened to minus 1/4-inch without weighing it (Tr. v. 30:4130-32). He further treated the sample in some manner but does not remember how (Tr. v. 30:4131-32). He then took the sample to Mr. Al Johnson's laboratory and, with a magnetic separator, personally made a concentrate that was sent to Rogers Research (Tr. v. 22:2657; v. 30:4130; v. 32:4597-99). Mr. Matheson did not explain the assay sheet references to results of 0.33 gold ounces per ton for "MAGS 1st PASS,"

0.23 gold ounces per ton for "MAGS 2nd PASS," and 0.11 gold ounces per ton for "NON MAGS AFTER 2nd PASS." (Ex. A-129, p. 5-1).

That assay sheet is problematic for another reason: it is not signed nor is it on the letterhead used in other reports from Rogers Research that both predate and postdate the assay sheet, both of which bear Mr. Rogers' signature (compare Ex. A-129, p. 5-1 with id., pp. 3-1 and 6-1). More importantly, Mr. Matheson did not know what type of assay Mr. Rogers performed (Tr. v. 30:4134) and Mr. Rogers, as previously mentioned, could not competently assay standards and blanks.

Ex. A-158-Sampler: Matheson, Assayer: Gold Hunter (Stone)

The data set in Exhibit A-158 (average of 0.4235 gold oz/ton for 3 splits of a sample) was generated from a sample taken by Mr. Matheson, with a split sent to Mr. Barefoot (data set 4A) and apparently three additional splits made and assayed by Mr. Stone doing business as Gold Hunter.¹² (Ex. A-158; Tr. v. 31:4237-40; v. 32:4600-04, 4609-15). According to Mr. Matheson, the sample processing included a soak in water for five days, concentration using towers similar to those described in a book by Walter Lashley, and mercury amalgamation (Tr. v. 32:4601-03, 4609, 4611-13). At some unknown point in time the splits were apparently ground and/or screened in different ways (Ex. A-158).

This data set lacks probative value because the sampling location is not clear (as discussed above regarding the split sent to Mr. Barefoot - data set 4), because the weight of the excavated material is unknown, because the results are vastly different from Mr. Barefoot's assay results of 0.069 gold ounces per ton for a split of the same sample, because there is no assay report, and because nothing in the record indicates Mr. Stone's qualifications to perform assays. The last point is especially important in light of Mr. Matheson's statements that he thought Mr. Stone's background was in physical education, that Mr. Stone is "probably on the bottom 10 percent of all the people we dealt with," and that Mr. Stone's assay technique is "certainly unusual" (Tr. v. 32:4602, 4612).

Ex. A-159-Sampler: Matheson, Assayer: Vincent

The data set in Exhibit A-159 (average of 0.28 gold oz/ton) is reportedly the average assay result for eight samples taken from the Mijo 17 claim by Mr. Matheson and assayed by Mr. Vincent (who is now deceased). On June 20, 1997, Dr. Lechler personally observed assays of Eldorado Valley material being conducted at Mr. Vincent's lab. He did so at Mr. Matheson's request in an attempt to address the wide range of assay results pertaining to the "Del Gratia property" (i.e., the Josh claims). Dr. Lechler reached many unflattering conclusions in a letter to

¹²The sample apparently was taken on May 17, 1993, prior to segregation, and assayed on June 29, 1994, after segregation (Ex. A-158).

Mr. Matheson dated November 19, 1997:

With so much sample manipulation in a non-laboratory environment (actually a garage with some simple laboratory equipment), accuracy is bound to suffer and potential for contamination, or cross-contamination, becomes very high. Minimal, ineffective cleaning of grinding equipment between samples, for instance, leads to cross contamination and is probably partly responsible for the high[-valued] blank observed during tests. Poor accuracy of the measured gold value on the NBMG standard is another indication of the limitations of this facility.

* * * [T]he flux is more elaborately contrived than is necessary or wise, and the use of both oxidizing and reducing agents in the flux indicates a lack of understanding of the fire assaying process. Mr. Vincent appears experienced in the mechanics of conducting a fire assay, but not in the theory and chemical principals that form the foundation for the method.

(Ex. 37; see also Tr. 37:5453-64, 5573-76).

These conclusions are not surprising, given the evidence of Mr. Vincent's background. Mr. Matheson stated that Mr. Vincent was a fireman on disability who became a professional poker player and who had performed over 10,000 assays (Tr. v. 23:2494-95). Mr. White, who lacks competency as an assayer, testified that he taught Mr. Vincent how to assay, that Mr. Vincent developed into a good assayer, and that he was honest (Tr. v. 8:1467-68; see also Tr. v. 23:2493-94).

The data set in Exhibit A-159 lacks probative value because there is no description of the sampling locations other than rough approximations on a very small scale map (Ex. A-159), no evidence whether the excavated material was weighed, no assay report or objective evidence supporting the reported values, no adequate showing that Mr. Vincent was a qualified, competent assayer, and no indication of what type of assay was used or how the sample was prepared for assay (Tr. v. 31:4240-45). In addition, Mr. Matheson reported only a numeric average (rather than one value for each of the eight samples or a weighted average).

Other Evidence of Mineralization

Messrs. Phebus and Matheson discussed purported pieces of PGM's and/or gold allegedly recovered from the Mijo claims as evidence of mineralization. They reference purported buttons or beads recovered by Messrs. Henderson, Vincent and Phebus and purported gold bars refined by Mr. Phebus (see, e.g., Tr. v. 23:2746-48, 2755; v. 29:3902-10, 3994-95, 3994-95; v. 31:4353-55; v. 32:4425-30; v. 41:6269; Ex. A-145).

The testimony regarding the gold bars and hundreds of beads purported recovered by Mr. Phebus lacks substantial probative weight because the situs for the samples, with a few exceptions for some of the beads (Tr. v. 29:3902-10, 3994-95), and the amount of the excavated

material processed to allegedly recover the gold are unknown and the witnesses' credibility is not good. Further, no testimony was provided as to the weight of the beads.

The same conclusion applies to the gold beads or buttons allegedly recovered by Messrs. Vincent and Henderson for the same reasons. Moreover, Contestees did not even show that those alleged beads derived from Mijo material (Tr. v. 23:2746-48, 2755; v. 31:4353-55; v. 32:4425-30).

~~The record also contains evidence of assay results from samples taken elsewhere in the Eldorado Valley and assayed by Mr. White, Ben d'Andrimont at Core International, Hazen Reseach, Paul Guadagnoli, and others (see, e.g., Ex. A-58; Ex. 2, Att. 9-6, 9-9a thru 9-9q, 9-21a thru 9-23; Tr. v. 22:2652; v. 39:5839). While that evidence may have some relevance as to the efficacy of certain processes in detecting precious metals in Eldorado Valley material, it otherwise is irrelevant in determining the quality and quantity of mineralization on the Mijo claims.~~

c.

Contestees' Post-segregation Evidence Of Mineralization Cannot Be Given Substantial Probative Weight And Fails To Show A Discovery

Consideration of Contestees' data sets generated post-segregation does not alter the conclusion that the weight of the evidence shows a lack of discovery of a valuable mineral deposit at all times. These data sets include the remaining parts of Exhibit A-129 and Exhibit A-160. Most, if not all, of these data sets are unreliable for many of the same reasons discussed above.

Ex. A-129, No. 6-Sampler: Matheson, Assayer: Rogers Research

Mr. Matheson testified that data set 6 (0.20 gold oz./ton) is the assay result for a sample taken by him and assayed by Rogers Research (Tr. v. 22:2658-59). The purchase order used by Mr. Matheson to track the sample indicates that "head ore" was assayed (Ex. A-129, p. 6-2), and both the purchase order and Mr. Matheson's testimony indicate that the assay was performed by "spectrographic" analysis (see *id.*; Tr. v. 22:2659). However, there is no explanation what type of "spectrographic" analysis was used. Presumably, it was the X-ray analysis developed by Mr. Rogers to produce the report for data set No. 3. This data set is unreliable because, as previously mentioned, Mr. Rogers did not competently assay standards and blanks and because the exact sampling location, sampling protocol, sample weight, and sample processing are unknown or unclear.

Ex. A-129, No. 7-Sampler: Morris, Assayer: White

Data set No. 7 is the assay results for the Bonanza drill samples taken by Mr. Morris in 1996 and assayed by Mr. White (Ex. A-129, pp. 7-2 to 7-5). The results range from 0.110 to

1.020 gold ounces per ton. This data set lacks probative weight primarily because, as previously mentioned, assay results from Mr. White and his lab cannot be considered reliable and because Mr. Morris did not remember weighing the samples (Tr. v. 23:2775).

Ex. A-129, No. 8—Sampler: Matheson, Assayer: Chemtron Labs

Mr. Matheson testified that data set 8 (0.120 gold oz/ton) is the result of an assay of a sample taken by him, concentrated by magnetism, and assayed by Chemtron Labs (Tr. v. 22:2669). This data set lacks probative value because the exact sampling location, sampling process, assay technique, and reputation and qualifications of the assayer are unknown and because the chain of custody is questionable.

Regarding the chain of custody, the pertinent purchase order, under “SHIP TO,” indicates that the sample was submitted to “Pyramid Ind” (apparently Pyramid Industries) in Santa Clarita, California (Ex. A-129, p. 8-2), not Chemtron Labs. The purported assay sheet shows Chemtron Labs as having its place of business in Saugus, California (Ex. A-129, p. 8-1). No explanation for this discrepancy exists in the record.

Ex. A-129, No. 8A—Sampler: Matheson, Assayer: White

Mr. Matheson testified, and the sample data sheet shows, that data set 8A (0.735 gold oz./ton) is the result of an assay of a sample taken by Messrs. Matheson, Moore, and Phebus in December 1997, concentrated by magnetism, and assayed by Mr. White using a bromine leach (Tr. v. 22:2669-70; Ex. A-129, p. 8A). However, Mr. Moore could not have been involved in the sampling because he did not move to the area and begin assisting Contestees until May or June 1998 (Tr. v. 8:1341, 1343). Data set 8A lacks probative value because Mr. Matheson incorrectly identified Mr. Moore as one of the samplers, because assay results from Mr. White and his lab cannot be considered reliable, and because the exact sampling location and sampling process are unknown.

Ex. A-129, Nos. 10, 11, and 12—
Sampler: Moore and/or Phebus, Assayer: EII (Gunnison)

Data sets Nos. 10, 11, and 12 are assay results from samples purportedly taken by Mr. Moore in February and April of 1998 from a site known as the John No. 2 Hole and analyzed by Mr. Gunnison using a standard fire assay (Ex. A-129, pp. 10, 10-2, 11, 12, 12-2; Tr. v. 8:1399-1403; v. 22:2671-73; v. 27:3715-21; v. 30:4683-84).¹³ These results include the incredible gold values in ounces per ton of 23.25, 22.72, 22.57, and 22.88 that allegedly prompted EII to expand its Phoenix facility. However, Mr. Moore could not have been involved in the samplings because he did not move to the Las Vegas area and begin assisting Contestees until May or June 1998.

¹³Data set 9 does not exist.

Sometime in 1996 the John No. 2 Hole was dug to a depth of 12 to 13 feet using a backhoe, some of the excavated material was left piled next to the hole, and then the hole was filled in (Tr. v. 8:1400; v. 27: 3718-19). Mr. Moore testified that he shoveled each sample from the pile of excavated material onto a minus-¼-inch screen resting over a 5-gallon bucket (Tr. v. 8:1400-01; v. 27:3713-14; v. 28:3779-80). According to Mr. Moore, he then weighed the bucket of screened material, dumped the sample onto a piece of plywood, and separated with a hand magnet the magnetic portion of the sample for assaying (*id.*).

The assay results from these samples lack probative value because the excavated material was not weighed, because Mr. Moore's testimony is not credible, given that he did not begin working for Contestees until after the samples were taken, because the assays were performed by Mr. Gunnison who lacks credibility, and because the sample site likely is not on the Mijo claims. Using the Contestees' own exhibit showing the location of John No. 2 Hole (Ex. A-50) and aerial photography, Mr. Clay demonstrated that this locale likely is not on the Mijo claims (Tr. v. 40:6008-11; see also Ex. 70-C (showing with an "T" the location of John No. 2 on the 1999 aerial photograph of the area)). Mr. Clay's testimony stands unrebutted and is bolstered by the fact that Contestees displayed a pattern of incorrectly identifying numerous disturbances to the east of the Mijo claims as being on the claims (e.g., the north-south road Mr. Phebus depicted on Ex. A-183 and many of the pits dug by Bonanza in December 1998).

Ex. A-129, No. 13—Sampler: Matheson, Assayer: Rogers Research

Data set 13 (0.08 gold oz./ton) is the assay result for a sample taken by Mr. Matheson and assayed by Mr. Rogers. The sample was shoveled from somewhere in Bonanza's pit area and screened into a five-gallon bucket in the usual fashion so that the exact weight and location of the sample are not known (Tr. v. 33:4809). The minus-¼-inch fraction was then concentrated by rake magnet and assayed using "XRF", which Mr. Matheson identified as x-ray diffraction (Ex. A-129, p. 13-1; Tr. v. 33:4813-14). This data set lacks probative weight because Mr. Rogers is not a competent assayer and because the exact sampling location and weight of the excavated material are unknown.

Ex. A-129, Nos. 14, 15, 17, 18, 19, and 20—
Sampler: Moore, Assayer: EII (Gunnison)

Data sets 14, 15, 17, 18, 19, and 20 are assay results ranging from nil to 4.13 gold ounces per ton for samples collected by Mr. Moore and fire assayed by Mr. Gunnison in Arizona. All of these samples, except that for data set 15, were taken in Bonanza's pit from piles of material which Bonanza screened and ran over the magnetic separator to separate into piles of magnetics and non-magnetics (Tr. v. 22:2684, 2688; v. 28:3783-85; v. 33:4820-23). Consequently, neither the precise location of the piles (Tr. v. 27:4821) nor the origin of the material in the piles is known.

These data sets lack probative worth for several reasons, including that Mr. Gunnison's work cannot be considered reliable, that Mr. Moore's credibility is suspect, and that the source

locations for the sampled material are unclear. Also, the processing technique for the data set 14 sample is unclear because the sample was initially sent to Smart Technology where it was processed through a "sluice-type thing" and concentrated using "new, sophisticated magnets" before being forwarded to Mr. Gunnison for assaying (Tr. v. 22:2683-84; v. 27:3724).

Data set 15 was taken from the John No. 1 Hole sampling site (Ex. A-129, p. 15; Tr. v. 22:2684; v. 27:3725), but the record shows that the John No. 1 Hole is not on the Mijo claims. As with the John No. 2 Hole discussed above, Mr. Clay demonstrated that the John No. 1 Hole is not on the Mijo claims by comparing the information on Exhibit A-50 with aerial photography of the area (Tr. v. 40:6008-11; see also Ex. 70-C (showing with a "G" the location of John No. 1 on the 1999 aerial photograph of the area). Again, Mr. Clay's testimony stands un rebutted.

Data sets 17, 18, 19, and 20, were taken from sample sites described as the "A," "B," "C," or "D" piles. However, a comparison of the maps for these data sets shows the sites being in different places on different maps (see Ex. A-129, p.17, 18, 19, 20), indicating confusion regarding the locations of the piles which was never adequately explained (see Tr. v. 22:2686-92; v. 27:3728-44; v. 33:4818-23).

Moreover, Mr. Matheson testified that the assay results for the "C" pile in data set 17 were for samples taken from area "C" on Exhibit 51 (Tr. v. 22:2686-87). Exhibit A-51 is a map associating the "C" pile assay results with area "C". However, Mr. Matheson subsequently testified, and Mr. Moore confirmed, that the "C" pile samples were taken from the Bonanza pit area, which is area "A", not area "C", on Exhibit A-51 (Tr. v. 28:3783-85; v. 33:4821-23).

Ex. A-129, No. 21-Sampler: Matheson, Assayer: MRAL (Jordan)

Data set 21 (0.08 gold oz./ton and 1.18 silver oz./ton) is generated from a sample reportedly taken by Mr. Matheson from a site referred to as BLM Hole No. 1 and assayed at MRAL. The two assay methods were scorification followed by reassay of the slag (Tr. v. 22:2693-94; Ex. A-129, pp. 21-1, 21-2). One assay sheet reports the total precious metals for both assays to be 0.07 oz/ton and 0.90 oz/ton for gold and silver, respectively, rather than 0.08 oz/ton and 1.18 oz/ton as reported by Mr. Matheson (compare Ex. A-129, p. 21 with Ex. A-129, p. 21-2). The assay sheet for the scorification alone (assay number 5043) was not adduced. The assay sheets provided were certified by Dr. Jordan, the proprietor of MRAL, but Mr. Matheson testified that David Graham conducted the assay (Tr. v. 22:2693-94). This data set lacks probative worth because MRAL is not a reliable assay lab, Dr. Jordan's reputation is poor, the method of sampling was not adduced, and the only evidence regarding sample preparation is notations on the assay sheets suggesting that the material received by Dr. Jordan had been screened to minus 1/4-inch and grinded to minus 100 mesh (Ex. A-129, pp. 21-1, 21-2).

The incompetency of the MRAL lab was documented by the BLM mineral examiners. BLM sent samples to MRAL as part of a general survey to test the competency of Contestees' assayers. As discussed earlier, BLM sent "blind" samples of known standards and blanks to a

number of these assayers, including MRAL (Tr. v. 39:5804-06, 5814-17).

Mr. Graham prepared the samples for assay while the mineral examiners observed (Ex. 2, p. 36). They opined that “the lab technique that we witnessed was poor, sloppy, and careless. Cross-contamination and loss of material were routine.” (Ex. 2, p. 38)

With regard to the assay results provided by MRAL and certified by Dr. Jordan (Ex. 2, Atts. 11B-8a to 11B-8i), Mr. Shumaker concluded that they “are grossly incompetent” because “everything that he reported is wrong.” (Tr. v. 39:5816). Among other things, Dr. Jordan reported substantial gold in different amounts for replicates of the same blank and grossly inaccurate values for the standards (*id.*). One of the values reported by Dr. Jordan, for osmium, suggests that he did not actually do the work, because the concentration of osmium he reported would have caused a deadly chemical reaction using the technique that Dr. Jordan typically applies (Tr. v. 36:5316; v. 39:5816-17). Mr. Shumaker participated as a witness in another proceeding in which a state administrative law judge recently reached a similar conclusion that assays results generated by Dr. Jordan were “highly suspicious and unreliable.” Peeples v. Arizona State Land Department, 01F-009-LAN (Ariz. Office of Admin. Hearings) (Ex. 60, p. 28).

As for Dr. Jordan’s reputation, Special Agent August, based on numerous interviews of people within the mining industry and various regulatory agencies, found that Dr. Jordan’s reputation is “very, very poor.” (Tr. v. 40:6123). Agent August testified that Dr. Jordan has a “track record of involvement with mining operations that have turned out to be scams or have basically vanished without ever being heard from again.” *Id.* Agent August also testified that, during an interview of Dr. Jordan, Dr. Jordan admitted that he would sign assay reports for work he did not do himself (Tr. v. 40:6127).

Dr. Pray similarly testified that Dr. Jordan’s reputation is “unacceptable” (Tr. v. 39:5913) and related his own personal experiences in that regard. On 30 to 40 separate occasions investors asked Dr. Pray to assay splits of samples which were also assayed by Dr. Jordan (Tr. v. 39:5914). Dr. Pray found vast discrepancies between his results and those of Dr. Jordan (*id.*). Even Mr. Matheson stated that Dr. Jordan “certainly” has a “mixed reputation in the industry.” (Tr. v. 13:2318-19).

Ex. A-129, No. 22–Sampler: Moore,
Assayer: Complex Metals (Henderson) and MRAL (Jordan)

Data set 22 is the average assay result of 0.25 gold ounces per ton for splits of seven samples from the CSR drill holes which were assayed by Mr. Henderson and Dr. Jordan. According to Mr. Moore’s affidavit, the samples were taken by him, screened to minus ¼-inch, twice split, and screened to minus 30 mesh (Ex. A-129, pp. 23-6, 23-8). One pound samples were then separated into air tight bags which were sealed in five-gallon buckets and sent to Mr. Henderson (*id.*).

Splits were likewise processed and sent to Mr. White (*id.*). The assay results for those splits constitute data set 23.

Mr. Henderson reportedly performed a scorifying-assay on the splits sent to him and then sent the “residue” to Dr. Jordan, who performed a “DCP”¹⁴ analysis on the material (Ex. A-129, pp. 22-1, 22-2; Tr. v. 3:662, 680-82). Data set 22 lacks probative weight because Messrs. Moore, Henderson, and Jordan all lack credibility and/or are incompetent and because the assay results from data set 22 differ substantially from the results of splits from the same samples, *i.e.*, data set 23.

In addition, an examination of the sampling process and the protocol apparently followed by Mr. Henderson indicates that the results reported on page 22 of Exhibit A-129 – even if they could be trusted – cannot be considered representative. Mr. Henderson purportedly assayed seven different samples, resulting in seven specimens of “residue”¹⁵ that Mr. Henderson combined into one sample and shipped to Dr. Jordan. Dr. Jordan then performed DCP on the sample, which weighed 23.3 mg according to his assay sheet, and generated three figures, 0.25 oz/ton for gold, 0.01 oz/ton for platinum, and 0.05 oz/ton for palladium (Ex. A-129, p. 22-2). Mr. Henderson characterized Dr. Jordan’s figures as “combined average results from the seven samples assayed” (*id.*, p. 22-1).

Aside from the fact that numeric averaging is problematic, as previously noted, there is no adequate explanation of how the figures relate to the weight of the excavated material or even the weight of the material after screening. Nor is there any evidence of the weight of the excavated material or the screened material. Consequently, it is impossible to know whether the results are representative of what is in the ground.

Ex. A-129, No. 23–Sampler: Moore, Assayer: White

Data set No. 23 is assay results ranging from 0.05 to 0.110 ounces of gold per ton for

¹⁴A witness definition of the acronym “DCP” could not be found in the record, but it presumably refers to direct-coupled plasma-optical emission spectrometry (*see* Ex. 9, p. 8)

¹⁵The “residue” was created by inquarting silver, putting the inquarted material into a nitric acid solution, “tak[ing] that [solution] clear to dryness” rather than using the solution to separate the silver from the gold and platinum, placing the dried material in the furnace at 600 degrees for two hours, letting it cool, adding distilled water, and warming that solution (Tr. v. 3:682). Most of the silver purportedly goes into the distilled water solution and the gold and platinum, which does not go into that solution, is the residue (*id.*). This procedure is abnormal, as recognized by Mr. Henderson (*id.*), because the nitric acid solution is typically used to part the silver from the gold and platinum and the parting is achieved during the cupellation stage (or sometimes in the fusion stage) (Ex. 8, pp. 32-33). Mr. Henderson failed to explain the scientific basis for this abnormal procedure.

splits of the seven samples taken by Mr. Moore from the CSR drill holes. Mr. Moore sent these splits to Mr. White at the same time he sent the splits included in data set 22 to Mr. Henderson (Ex. A-129, pp. 23-7, 23-8; Tr. v. 22:2694-95; v. 28:3756-62, 3792). Like data set 22, data set 23 lacks probative value because the involved persons, Messrs. Moore and White, lack credibility, because there is no indication what the excavated or screened material weighed, and because the assay results differ substantially from the results for the splits of the same samples (data set No. 22).

Ex. A-129, No. 25–Sampler: Holman/Matheson,
Assayer: Sierra Laboratories (Steele)

Data set No. 25 was generated from two samples taken by Dennis Holman in Mr. Matheson's presence in the northeast portion of the Mijo 16 claim and assayed by Sierra Laboratories, whose principal is Ray Steele (Tr. v. 22:2696-98; v. 30:4088-89; v. 33:4823-31).¹⁶ This data set lacks probative weight because the qualifications and reputations of Messrs. Holman and Steele and Sierra Laboratories were not adduced, the exact sampling locations are unknown, and there is no assay report for the results from the sample location indicated as "#2 - 19' Deep Cut." (Ex. A-129, pp. 25, 25-1) (The only assay report for this data set is for the sample location indicated as "#1 - NE Cut.")

In addition, the analysis purportedly used by Mr. Steele is unusual and its reliability is unknown. Although the record is not entirely clear, Mr. Steele purportedly used some type of ICP analysis. (Tr. v. 22:2697-98; v. 33:4825, 4827). However, Mr. Matheson admitted that Mr. Steele treated the sample in an "unusual" manner apparently developed by Mr. Steele, and that Mr. Matheson did not know the procedure (Tr. v. 33:4828-30). There is nothing else in the record explaining Mr. Steele's unusual procedure, much less suggesting that it is reliable.

Ex. A-129, No. 26–Sampler: Graham, Assayer: MRAL (Jordan or Graham)

Data set 26 is the assay results for samples taken by David Graham and assayed at MRAL. Apparently, Mr. Graham conducted the assays, but Mr. Jordan signed the assay reports (compare Ex. A-129, p. 26-1 (Graham affidavit suggesting that Graham performed the assays) and Tr. v. 22:2526-27 (Matheson testifying that Graham "ran them," referring to the assays) with Ex. A-129, pp. 26-2, 26-3, 26-4 (MRAL assay reports signed by Dr. Jordan)). This data set lacks probative value because MRAL is not a reliable lab, Mr. Graham was involved in the sloppy processing of the BLM samples for which MRAL produced incompetent assay results, the qualifications and experience of Mr. Graham are unknown, and Mr. Jordan's reputation is poor.

Furthermore, it is difficult if not impossible to relate the results to the material excavated

¹⁶Data set No. 24 was removed as being redundant with a data set elsewhere in Exhibit A-129 (Tr. v. 22:2695-96).

from the claim. The affidavit and the assay sheets indicate that a 29 lb. bulk sample of original material was concentrated in three steps: by a minus-1/16-inch screen, a Wifley table, and a magnetic separator (Ex. A-129, p. 26-1 to 26-4). The assay sheets report a gold value for the magnetic portion (0.70 oz./ton), the nonmagnetic portion (1.06 oz./ton), and the "tailings," (0.03 oz./ton) but there is no indication as to what constitutes the tailings – the material rejected by the minus-1/16-inch screen, the Wifley table, or both. Thus, the record does not permit a determination of whether the results are representative of the material in the ground.

Ex. A-129, No. 27–Sampler: Matheson/Moore, Assayer: Bondar Clegg

Data set 27 is the assay results for a sample taken by Messrs. Matheson and Moore and assayed by Bondar Clegg. Bondar Clegg generally reported no gold (Ex. A-129, p. 27), but Dr. Ager and Mr. Matheson testified that Dr. Ager examined, with an electron microscope, the cupel and slag from the assay of that sample and identified gold therein (Tr. v. 17:3050; v. 18:3095-96; v. 22:2705). However, the credibility of Messrs. Ager and Matheson is suspect and their testimony is unsupported by any objective evidence, such as the photograph of the precious metals which Dr. Ager reportedly took (Tr. v. 18:3095-96). Under the circumstances, that testimony carries little probative weight.

Ex. A-129, Nos. 28 and 29–Sampler: Moore, Assayer: Mountain States

Data sets 28 and 29 were from samples collected by Mr. Moore, submitted for assay by Mr. Matheson, and assayed by Mountain States (Tr. v. 22:2705-08; v. 28:3763-65). Data sets 28 and 29 fail to support Contestees' position that a discovery was made on the Mijo claims for several reasons.

First, there is no evidence of the weight of the excavated material or the method of sampling (unless it is assumed that the typical method was followed). Second, to the extent the assay results for each data set show substantial gold they are not consistent with the rest of the results for that data set.

Each data set suffers deficiencies peculiar to it as well. Data set 28 is two assays for a sample that was magnetically concentrated (Tr. v. 28:3763), apparently with one assay of the head ore and one of the magnetic concentrate (Ex. A-129, p. 28-1). These two assays were conducted using the Belgian procedure at Mr. Henderson's direction because Mr. Matheson wanted him to show Mountain States how to perform the Belgian procedure (Tr. v. 22:27026-07; Ex. 34). No gold or silver was detected, except for gold in the head ore of 0.043 oz./ton (*id.*).

The fact that the assays were conducted at Mr. Henderson's direction is problematic because he is not reliable. Those assays were also performed using an abnormally small sample (2 grams as opposed to the industry standard of 30 grams) and abnormally large silver in quart (1 gram versus the industry standard of 1 milligram) so that any gold reported on the assay sheet may have derived from the silver in quart (Ex. 34).

Problems specific to data set 29 include the fact that the exact sampling location is unknown (see Tr. v. 28:3764-65; v. 33:4832). Data set 29 is multiple assay results from a sample taken from the Mijo 16 claim. Apparently, the sample was split, as there are four rows of assay results as follows:

SAMPLE IDENTIFICATION	After Leach		Prior To Leach	
	Au Oz/Ton	Ag Oz/Ton	Au Oz/Ton	Ag Oz/Ton
#1 L. Res. As is	0.038	0.02	0.004	ND
#1 L. Res. Pulv.	ND	0.01	ND	0.01
#1 Soin. As is	ND	0.02		
#1 Soin. Pulv.	ND	ND		

(Ex. A-129, p. 29-1). "ND" means "none detected" (*id.*) and "Pulv" means that the split was pulverized (Ex. 34). The first two rows of splits were fire assayed twice (Exs. 34; Ex. A-129, p. 29-1).

Mr. Matheson testified that he added the column markings "after leach" and "prior to leach" to the assay certificate based on what Mountain States told him (Tr. v. 33:4832-40). According to Mr. Matheson, Mountain States told him that fire assays had been conducted on individual splits both before and after application of a sulfuric acid leach, that the sample identification shorthand "L. Res." meant leach residue, and that the values under the "after leach" columns were results of fire assays on the leach residue (*id.*). This explanation makes no sense because there are values under the "prior to leach" columns for splits identified with the "L. Res." shorthand.

Furthermore, the explanation is contrary to statements of Walter Lemming, the registered assayer who signed the assay sheets for Mountain States, who told Mr. Shumaker that the two sets of results for the first row split were replicate analyses of the same material and not analyses of material before and after leaching (Ex. 34; Tr. v. 36:5441-44, 5461-63). Mr. Lemming also noted that all of the assay results for the pulverized splits detected no gold and opined that they probably were a more accurate characterization of the sample as a whole (Ex. 34).

Ex. A-129, Nos. 30 and 31—Sampler: Moore,
Assayer: Queens University (Yen)

Data sets 30 and 31 were generated from samples reportedly taken by Mr. Moore and assayed by a Dr. Yen at Queen's University (Tr. v. 22:2708-09; v. 28:3765-66). These data sets lack probative value because the sampling and processing protocol were not identified, the sample for data set 31 was taken from the John No. 2 Hole, which is not on the Mijo claims, and

Dr. Yen's work cannot be considered reliable in light of his performance assaying samples provided to him by BLM.

Dr. Yen was one of Contestees' assayers to whom BLM sent a number of "blind" samples of known blanks and standards to assess their competence (Tr. v. 39:5804-10). Dr. Yen reported values that "bore no real resemblance to reality" and "were wildly inaccurate" (Tr. v. 39:5807).

His results also suggest that he was purposely favoring Contestees. For example, for one blank sample identified as originating from the Mijo claims, he reported silver ranging in value from 0.47 to 0.923 oz/ton depending on the type of analysis, but for a split of the same sample marked as a blank he reported silver at average crustal abundance levels regardless of the type of analysis he employed (Tr. v. 39:5807-08; Ex.54, p. 5).

Ex. A-129, No. 32—Sampler: Moore,
Assayer: Chauncey Assay Laboratories (van Engelen)

Data set 32 is assay results ranging from 0.013 to 0.13 ounces of gold per ton for splits of three samples reportedly taken by Mr. Moore and submitted for assay to John van Engelen, then doing business as Chauncey Assay Laboratories (Tr. v. 22:2709; v. 28:3766-67). The three samples were taken from CSR drill hole No. 2, John No. 2 Hole, and the Mijo 16/17 corner and splits thereof were also sent to Dr. Yen, whose assay results are reported in data sets 33, 31, and 30, respectively (Tr. v. 22:2606, 2709; Ex. A-129, p. 32-2).

The probative value of Data set 32 is limited for several reasons. For the two samples taken from the John No. 2 Hole and Mijo 16/17 corner, the sampling and processing protocol are unknown. Also, the John No. 2 Hole is not on the Mijo claims. For the remaining sample, CSR hole No. 2, the weight of the excavated material is unknown, and the sample was taken from a container stored in an apparently unsecured facility for over a year (since February 1999) (Tr. v. 21:2454-55; v. 23:2816, 2845).¹⁷

In addition, a comparison of Mr. van Engelen's results with Dr. Yen's results on splits of the same samples demonstrates great variability between the two indicating that either one or both of their results are unreliable. This is illustrated by considering the results of the scorification assays they performed on the samples from CSR hole No. 2 and John No. 2. For the CSR sample, Mr. van Engelen reports approximately twice the value that Dr. Yen reported, and for the John No. 2 sample, Mr. van Engelen reports approximately five times the value

¹⁷In an apparent attempt to establish that the container was tamper proof, Contestees adduced some testimony as to the difficulty of opening the container, but this is unpersuasive. The buckets in which the samples were stored obviously were the typical plastic five gallon buckets used for a variety of industrial purposes with lids that simply snap on and off. There is no evidence that Contestees used any special device on the buckets to ensure no tampering.

(compare Ex. A-129, p. 32-1 (samples one and two) with id., pp. 33, 33-1 (sample one) and id., pp. 31, 31-1 (sample two)).

Moreover, the evidence of Mr. van Engelen's education, training, experience, and methods is sketchy and somewhat troublesome. Mr. van Engelen uses a stamp on his assay certificates that says "chartered chemist" (Ex. A-129, p. 32-1). Messrs. Guay, Henderson, and Matheson all spoke of Mr. van Engelen as being approved, accepted, or recognized by the Toronto Stock Exchange (Exchange) when he was working at Assayers Ontario (Tr. v. 3:658-59; v. 5:56; v. 33:4851-52). Dr. Guay explained that the Exchange recognizes Mr. van Engelen as a registered assayer and that he has 40 years of experience running his own lab (Tr. v. 5:56).

However, his latest lab, Chauncey Assay Laboratories, has closed down and his last known place of employment was Naxos (Tr. v. 33:4848, 4850-51; v. 39:5821-22). As previously mentioned, the Alberta Stock Exchange commissioned a report which reached unfavorable conclusions about Mr. White's assay work at the lab used by Naxos in 1996 (Ex. 80).

Further, he did not use a standard fire assay method but, rather, a scorification and a parr bomb (Ex. A-129, p. 32-1). Scorification is inherently less accurate than a standard fire assay (Tr. v. 35:5134, 5144-45; v. 36:5323-32; v. 38:3718-22). Also, according to Mr. Matheson, Mr. van Engelen could not detect gold in the Mijo material until Mr. Henderson taught him how to do so (Tr. v. 33:4848-51). Given that Mr. Henderson is unreliable, any reliance upon his methods would be cause for concern and it is not clear precisely how Mr. van Engelen processed the material.

Ex. A-129, No. 33—Sampler: Moore, Assayer: Queen's University (Yen)

As discussed above, data set 33 is the result of Dr. Yen's assay of a sample submitted by Mr. Moore that was originally taken during the CSR drilling program (Tr. v. 22:2606, 2710; v. 28:3768-69). This data set lacks probative value because the sample was stored at an unsecured facility, the weight of the excavated material is unknown, and Dr. Yen is not a reliable assayer.

Ex. A-129, No. 34—Sampler: Matheson/Moore, Assayer: Ager

Data set 34 (0.128 gold oz./ton of head ore or 0.44 gold oz./ton of screened material) was generated from a sample reportedly taken by Messrs. Matheson and Moore from the Mijo 16/17 corner and analyzed by Dr. Ager, who displayed at hearing a vial of purported gold recovered from the sample (Tr. v. 17:2969-70, 3008-12; v. 18:3125-26; v. 22:2655, 2710-11; v. 41:6216, 6239). The sample was screened to a minus- $\frac{1}{4}$ -inch fraction, that fraction was weighed and then screened to minus 20 mesh, resulting in a 52.75 pound sample being sent to Dr. Ager (Tr. v. 17:2970; v. 19:3448). Dr. Ager applied to the sample an extraction methodology which he claims is proprietary and would not reveal (Tr. v. 19:3450-52). Mr. Matheson identified the method to be a leach but provided no further detail (Tr. v. 22:2711). Nor did Contestees provide an assay report. This data set lacks probative weight because the record contains only an

estimate of the weight of the excavated material (Ex. A-129, pp. 34-1, 34-3), there is no assay report or description of the assay/analysis performed, and Dr. Ager is less than credible.

Ex. A-129, Nos. 35 and 36--Sampler: Moore,
Assayer: Chauncey Assay Laboratories (van Engelen)

Data sets 35 and 36 are assay results for a sample reportedly taken by Mr. Moore on February 2, 2001, at the Mijo 16/17 corner, prepared at Mr. Vincent's old lab, and fire assayed by Mr. van Engelen at a lab in Death Valley Junction, California, presumably Naxos' lab (Tr. v. 22:2714-15; v. 28:3769-70 v. 33:4841-50; v. 39:5821-22). The conditions at Naxos' lab and Mr. Vincent's old lab during the processing of the sample were not discussed, but the conditions in prior years were conducive to contamination problems (Exs. 37, 80).

The sample preparation consisted of Messrs. Matheson and Roe screening the sample to minus 20 mesh, which Mr. Matheson estimated to be one quarter of the weight of the excavated material (Tr. v. 33:4842). They then prepared splits of the sample, with one being subjected to a hydrochloric wash, one to a proprietary leach labeled as a "roast", and one being left untouched (Tr. v. 33:4842-43).

Mr. van Engelen then conducted two sets of fire assays on the splits, one on February 7, 2001 (data set 35) and one on March 26, 2001 (data set 36), because Mr. Matheson wanted to test whether assay results on fresh samples would be greater than those on samples analyzed six weeks later (Tr. v. 33:4842-43). The reported assay results for gold in ounces per ton vary substantially for two of the three split types as follows:

Assay Date	Untouched Split	Hydrochloride Split	Leach (Roast) Split
36928	0.059	0.054	0.062
36975	0.091	0.054	0.146

These data sets lack probative value because the sampling protocol and identity and conditions at Mr. Vincent's old lab and the Death Valley Junction lab are, at best, unknown, Mr. van Engelen's experience, qualifications, and methods are sketchy, and his results are inconsistent not only with those of Dr. Yen, but also internally, as they vary substantially on splits of the same sample.

Ex. A-160--Sampler: Matheson, Assayer: Vincent

Exhibit A-160 is reportedly the assay results of two samples taken by Mr. Matheson and assayed by Mr. Vincent (Tr. v. 31:4245-56; v. 32:4615-23). Sample 21861-1 was taken from the material excavated from the John No. 1 Hole and left in a pile next to the filled-in hole (*id.*). It was screened to minus 1/8-inch, which Mr. Matheson estimated to weigh one-quarter of the sample taken (Tr. v. 32:4621-22). The reported gold value of 3.47 oz./ton actually refers to

ounces per ton of material screened to minus 1/8-inch (Tr. v. 32:4621-22). Sample 21861-2 was taken from material one to two feet below the surface next to the pile and screened to minus 1/4-inch (Tr. v. 31:4250; v. 32:4622-23). This data set lacks probative value because the sample sites are likely not on the subject claims, the weight of the excavated material is unknown, there is no assay report, and Contestees have not shown that Mr. Vincent was a qualified, competent assayer.

Other Evidence of Mineralization

The record contains other evidence of post-segregation sampling and assaying, but none of it is significant. Most of the assay results are duplicative of data in Exhibit A-129 which have already been discussed (see, e.g., Ex. A-141; Ex. 2, Atts. 9-1b thru 9-3a3, 9-4a, 9-4b, 9-5). Other results are from samples taken outside the Mijo claims (see, e.g., Ex. A-58; Tr. v. 8:1513-14).

Exhibit A-140 is an assay certificate which is not duplicative and is for a sample from the Mijo claims. It shows 0.807 gold ounces per assay ton for a sample from the Mijo 16/17 corner processed by Mr. White using a thiourea leach (Ex. A-140; Tr. v. 29:3872-75). However, that assay result lacks probative weight because the only evidence of the sampling procedure and weight is found in the hearsay assay certificate, because the chain of custody for this sample was not discussed, and because Mr. White's assay results cannot be considered reliable.

3.

Contestees' Allegations Of Bias, Impropriety, And Unfairness Do Not Alter The Conclusion That The Claims Are Invalid

At hearing and in Contestees' posthearing briefs, Mr. Matheson has alleged that BLM personnel are biased, have acted improperly or in bad faith, and have unfairly prevented him from establishing the existence of a discovery on the Mijo claims. Before addressing his allegations, it is worth noting that Mr. Matheson has not adequately explained why many of the allegations are relevant or material to the issue of discovery.

Generally, such allegations of bias, impropriety, or unfairness may be material if they bear upon the probativeness of evidence adduced at hearing, the fairness of the hearing, or the existence of exculpatory or equitable factors which might justify the grant of a further opportunity to prove the existence of a discovery. As more fully discussed below, Mr. Matheson's allegations are immaterial and/or not supported by the record.

To the extent, if any, that Mr. Matheson is questioning the motivation of BLM in initiating a contest against the Mijo claims, its motivation is irrelevant. United States v. LeFaivre, 138 IBLA 60, 65 n.5 (1997). Further, BLM employees are not disqualified as witnesses nor is their credibility undermined merely because of their status as BLM employees. Id. at 68. Rather, their testimony is subject to the same consideration and evaluation as that

proffered by any other individual and such weight is accorded to it as the trier of fact deems warranted. Id.

Contestees take issue with BLM action or inaction from 1998 onward. They allege that BLM should have attempted or allowed Contestees the opportunity to reconcile the disparate assay data in the Mineral Report by conducting a joint sampling and assaying and/or by permitting Contestees and their assayers to review the report and discuss it with BLM before the report was issued.

Relatedly, Contestees argue that the mineral examiners' "lying", that is, their marking of blank samples from their residences' yards as samples from the Mijo claims, "prevented the Contestees from knowing there was an assay problem. It also prevented the Contestees from solving the assay problem by conclusively demonstrating for the Contestant's experts assaying procedures necessary for the extraction and assay for the Mijo ore in the manner described by Dr. Guay in his letter to Mr. Abbey." (Contestees' reply brief at 52).

That letter (Ex. 2, Att. 11B-2a thru 11B-2e) states: "In order to satisfy the BLM's requirements that assay information be uncontaminated I suggest that the BLM use procedures that are being done by a laboratory which is capable of assaying these complex ores." Dr. Guay then suggests that BLM prepare Mijo samples in accordance with Mr. Matheson's instructions, provide those samples and blank samples to one of Contestees' preferred assayers, observe the processing of the sample, and insure that the facility remains locked and secure.

Contestees also allege that it was unfair for BLM to suspend Pass Minerals plan of operations in April 1999 after Mr. Mur told Mr. Matheson that BLM was not going to respond to his request in January 1998 to conduct a mineral examination. According to Contestees, this led Pass Minerals to determine that "there was 'tacit approval' for Discovery and [to] proceed[] to grade the mine site, install roads and culverts and put \$3,500,000 of equipment onto the mine site." (Contestees' opening brief at 9) Contestees assert that the suspension of the plan was improper because an adequate bond had been filed and because BLM should have issued a notice of non-compliance prior to suspension. They contend that the suspension and BLM's refusal to enter into an escrow agreement effectively shut down their operations and the EII pilot plant, thwarting their plans to prove discovery by enlisting Bonanza or CSR to extract material and Mr. Gunnison to refine it for gold at the EII plant.

In past cases the IBLA has ordered, and approved actions of Administrative Law Judges ordering, joint sampling and/or reopening of a hearing after the case has been submitted. See, e.g., United States v. Gassaway, 43 IBLA 382, 386 (1979); United States v. Lauch, 9 IBLA 60, 66 (1973). While Contestees have not requested such actions in their posthearing briefs, relevant case law suggests that it may be appropriate for an Administrative Law Judge to take such action, even in the absence of a request, if it would better serve the ends of justice. See, e.g., id. In the instant matter, in light of the explanation herein, an order for either joint sampling or reopening is not shown to be justified.

Potentially relevant precedent indicates that an Administrative Law Judge may be precluded from declaring a mining claim void for lack of a discovery when it is shown that the Government prevented the claimant from entering its claim to gather the information necessary to prove the existence of a discovery. See Mavros, 122 IBLA at 310; Parker, 91 I.D. at 294; United States v. Pool, 78 IBLA 215, 225 (1984). Under such circumstances, it may be appropriate to allow the claimant to gather the information and present it at further hearing.

This principle usually comes into play when a mining claimant argues that it was prevented from sampling a claim to confirm the existence of a discovery and/or that it should be afforded a further opportunity to so sample. This situation typically arises where the claimed land was withdrawn from mineral entry after the alleged discovery was made and the Government exercises its regulatory authority to impose restrictions on the claimant's use of the land.

Although the withdrawal of land entitles the Government to restrict the development of a claim, restrictions must be reasonable "in order to permit a claimant a fair opportunity to make [its] case." United States v. Niece, 77 IBLA 205, 207-08 n.3 (1983). Prohibiting road building or actual mining operations, as opposed to investigation to prove a pre-existing discovery, is a proper exercise of the Government's regulatory authority. Collord, 128 IBLA at 290; see also United States v. Mineco, 127 IBLA 181, 189 (1993).

While assays and sampling may be allowed even after a withdrawal to confirm a discovery made prior to withdrawal, it is still incumbent upon the claimant to make diligent efforts to assemble such information as would support the claim's validity. United States v. Porter, 37 IBLA 313, 316 (1978). After hearing, a claimant may be permitted to conduct additional sampling only where exculpatory or equitable factors justify the grant of a further opportunity to prove the existence of a discovery. See United States v. Porter, 37 IBLA 313, 316 (1978); United States v. Foresyth, 15 IBLA 43 (1974).

Also, further hearing will not be afforded where nothing has been submitted which suggests that another hearing would be productive of a different result, *i.e.*, a finding that a valuable mineral deposit has been discovered on a mining claim. United States v. Johnson, 33 IBLA 121 (1977); United States v. MacIver, 20 IBLA 352 (1975). United States v. Lost Polack Mining Assoc., 38 IBLA 101, 102-04 (1978). Contestees have not shown that they were unreasonably denied a fair opportunity to prove the existence of a discovery, that exculpatory or equitable factors exist to justify granting them further opportunity to do so, that such a grant would be productive of a different result or better serve the ends of justice.

The apparent assumption behind Contestees' arguments regarding reconciliation of the disparate data by joint sampling or other means is that attempted reconciliation might have or would have resulted in BLM not contesting the claims (see, e.g., Tr. v. 22:2630) and/or the adducement of evidence establishing that a discovery was made. That assumption is, at best, speculative; and speculation as to what actions BLM might have taken are irrelevant to the issue of whether Contestees have met their burden of showing that a discovery was made or whether

Contestees should be afforded further opportunity to prove a discovery.

In support of their arguments, Contestees reference the testimony of Roger Haskins, BLM's Senior Specialist, Mining Law Adjudication, at its national headquarters. Mr. Haskins testified that joint sampling was a reasonable option and that an effort to reconcile should generally be made (Tr. v. 11:1923; v. 12:2076-80). However, he also testified that sampling involving joint custody is contrary to BLM policy, that there is no BLM policy that examiners should attempt to reconcile disparate results, that the mineral examiners must exercise their judgment as to whether reconciliation should be pursued, and that he did not think that Contestees had been dealt with unfairly (Tr. v. 11:1920-23; 2110, 2136-37, 2145-46, 2160-62).

The mineral examiners cogently explained that they were not confident of maintaining control over the samples and lab conditions so that joint sampling and assaying might provide Contestees another opportunity to produce "false" results and then ascribe them to BLM (Tr. v. 36:5370, 5418; v. 39:5893-94). They also noted that a near equivalent to joint sampling had already occurred in that the parties had assayed samples from the same locations and splits of the same samples, and that assaying, not sampling, was the crux of the disparate assay results, with Contestees' assayers producing widely varying results from splits of the same samples (Tr. v. 2:416-17; 35:5187-90, 5242).

Their fears are understandable, given the generally poor lab conditions, techniques, and reputations of Contestees' preferred assayers and at least one instance of salting a sample (Mr. Henderson adding silver) without immediate detection by the mineral examiners while they were observing the assay process. Even if some or all of these potentially corrupting influences could be eliminated by careful structuring of the joint sampling and assaying process, it is reasonable for the mineral examiners, BLM, and this tribunal to conclude that joint sampling and assaying is not necessary nor advisable and that Contestees need not otherwise be afforded further opportunity to prove a discovery.

This conclusion is based, in large part, upon Contestant's presentation of credible and persuasive evidence that the precious metals levels on the Mijo claims are generally less than the detection limits of various assay analyses. That evidence substantially outweighs Contestees' evidence to the contrary because its probative value is generally low for a variety of reasons discussed herein.

One major reason is that Contestees' preferred assayers did not come close to accurately assaying blanks and standards. BLM's submission to them of the blanks and standards was consistent with Dr. Guay's suggestion to address BLM's contamination concerns (Ex. 2, p. 27).

To further address those concerns and the disparity between the parties' assay results, BLM adopted Dr. Guay's suggestion to follow the assay procedures used by Contestees' preferred assayers. Mr. Lewis was retained to learn and use the scorification technique Mr. Henderson claimed could reliably assay Mijo material. Mr. Lewis then performed both Mr. Henderson's procedure and a standard fire assay on splits of samples (blanks, standards, and

Mijo material). Mr. Lewis' found no anomalous precious metal levels in the Mijo samples, using both Mr. Henderson's scorification procedure and a standard fire assay on the splits, and the results were, in general, identical within small amounts of variation and within the degree of the difference in detection limits.

Also, Dr. Pray was asked to assay Mijo material following Mr. White's purportedly proprietary thiourea leach process. The assay results are of limited use because Mr. White neglected to include an oxidizer in his description of the process. Nevertheless, Dr. Pray also conducted normal thiourea leach testing (with an oxidizer) which, according to Contestees' own witnesses, will detect gold in the Mijo material, yet no gold nor silver above average crustal abundance was found.

Despite this evidence, Contestees have argued that Contestant failed to overcome their evidence that certain processes, such as the thiourea leaching or repetitive fusion of the slags and cupels, will successfully detect or recover precious metals in the Mijo material because Contestant did not test those processes. For this proposition, they rely on United States v. Williams, 65 IBLA 346, 351 (1982) (see, e.g., Tr. v. 22:2531-34; v. 41:6286-87).¹⁸

In Williams, the IBLA upheld a dismissal of a mining claim contest where the mining claimant presented evidence of the recovery of gold by suction dredging. The IBLA found that that evidence overcame the Government's prima facie case because it was based on evidence concerning the insufficiency of mining techniques other than suction dredging. 65 IBLA at 351. This case is readily distinguished on a number of grounds.

First, in Williams, there was no dispute that the claim at issue contained gold; the issue was whether the gold could be recovered economically. In the instant case, Contestant has vigorously disputed the presence of anomalous levels of precious metals and proven that the Mijo claims contain insignificant amounts of precious metals.

Second, in Williams, there was no question that a conventional processing method, dredging, would produce gold if it existed. Here, Contestees have failed to carry their burden of proof to show that their processing methods, most of which are unconventional and/or not fully disclosed, will, in fact, detect or produce precious metals when conventional methods will not.

Finally, in Williams, the claimants' evidence showing they economically recovered gold (using a dredge) was unrebutted. Here, Contestant's evidence of the lack of mineralization, including assays from following two of Contestees' championed procedures (the scorification technique and thiourea leach process), greatly outweighs Contestees' evidence that they found economic mineralization.

¹⁸Contestees also cite to United States v. Wharton, 514 F.2d 406 (9th Cir. 1975). That case is inapposite. It addresses the elements for establishing estoppel against the Government and Contestees have not cogently argued nor shown that estoppel applies in the present case.

In support of their argument that BLM should have reassayed the slags and cupels, Contestees refer to books, including "The Metallurgy of Gold", by Sir T.K. Rose, and "The Sampling and Assay of the Precious Metals", by E.A. Smith. They also reference the following statement in the Mineral Report: "It is normal laboratory practice to assay the slag and cupel from a fire assay one time (Bacon, et al, 1989). This allows the assayer to determine the amount of precious metals lost into the slag and cupel." (Ex. 2, p. 30)

Mr. Clay explained that he regretted using that phraseology in the Mineral Report because it is misleading, as an assay of the slag or cupel is (1) rare, (2) generally needed only if visual inspection of the slag indicates that there was a problem, (3) otherwise potentially worthwhile in very limited circumstances, typically when assaying rich ores, because the loss of precious metals to the slag or cupel rarely exceeds a few percent, and (4) performed once, not multiple times, in the rare instances when it is used (Tr. v. 35:5159-64; v. 36:5352-55). This was the consensus of Contestant's other experts, and even Contestees' own witnesses acknowledged that multiple refrirings are unusual (Tr. v. 18:3215) and that there is nothing in the literature supporting the proposition that 100% of any gold would be lost in the slag (Tr. v. 5:220-24, 306-07).

Mr. Clay emphasized that the unfortunate phraseology is an incomplete quote of language which does not advocate the practice of repetitive assaying of slags and cupels (id.). The Mineral Report explains the drawbacks of the practice as follows:

The amount of gold and silver added to a sample by litharge and inquarts is insignificant when a fire assay is completed under normal practice. However, the continued and repeated addition of litharge and inquarts as was done in White's slag and cupel multiple reanalysis, plus any cross-contamination from dust[,] will eventually accumulate enough gold and silver to become measurable (Lewis, 1999, personal communication). * * * The error will be insignificant where the sample actually contains multiple-ounce per ton concentrations of gold and silver, but will portray false values when the samples are actually barren.

Ex. 2, p. 30). Those drawbacks were reiterated by Contestant's other experts.

Contestees generally did not dispute this phenomenon or explain how their assayers' methodologies avoided it, except providing testimony that some of the inquarts were known to be free of impurities. In fact, the sloppy lab conditions and techniques of several of those assayers would tend to exacerbate any contamination problems.

Mr. Clay addressed the books cited by Contestees, noting that the book by Mr. Rose supports his position that visual inspection is sufficient to determine whether there's a problem with precious metals reporting to the slag (Tr. v. 35:5159-61; v. 36:5357-59). As for the book by Mr. Smith, Mr. Clay testified that that book supported his position that, at most, only a small percentage of the precious metals will report to the slag so that it might be worthwhile to further treat the slag for rich ores but not poor ores (Tr. v. 35:5162-63; v. 36:5359-62). The publication

authored by W. G. Bacon and others and cited in the Mineral Report also notes that visual cues are relied upon to detect problems in the fusion or cupellation, that a single assay of the slag and cupel may be appropriate to account for minor losses thereto, especially as an initial check of potential losses when assaying high grade ores, but that if the precious metals in any repetitive assay of the slag and cupel are more than five percent of the precious metals detected in the first assay, then the repetitive assay is fraudulent (Ex. 8, pp. 32-35).

All or most of Contestees' repetitive assay results fall into the "fraudulent" category, which may merely evidence incompetency rather than fraud. Ultimately, Contestant's assays using instrumental techniques showed that there was no anomalous gold to be lost in the slag or cupel.

Given that showing, Contestees' contentions regarding adjustment of the fire assay flux are also of little import. Contestees state that there is no evidence that Contestant's assayers adjusted their standard fluxes, implying that adjustments were necessary to achieve a proper fusion of the allegedly refractory and complex Mijo material. Contestees also appear to argue that a spectrographic analysis is necessary to adjust the flux to make a standard fire assay reliable, citing Exhibit 41, a U.S. Geological Survey publication on assaying.

Actually, Dr. Pray did conduct a "high-flux" fire assay for which the sample to flux ratio was 1 to 20 and he still found no anomalous gold in the Mijo material (Tr. v. 39:5903). As for Exhibit 41, it recommends an "emission spectrographic analysis" in order to assure a "maximum recovery" (Ex. 41, p. 6), but it does not state that such an analysis is either necessary nor warranted as a standard protocol.

In fact, the standard industry practice is to adjust the flux based on a visual assessment of the sample and fusion process (Tr. v. 2:433-34; v. 37:5467-69, 5553-55; v. 38:5668-71; Ex. 8, p. 32) and modification of the standard flux is only rarely necessary (Tr. v. 39:5929). Contestees have not shown that it was necessary for Contestant's assayers to do so.

Contestant's experts explained that the composition of the Mijo material does not pose problems for the standard fire assay and the consistent, non-anomalous assay results using a variety of techniques confirms this. Further, assuming, arguendo, that the flux did require some adjustment, the loss of gold to the slag is likely to be minor (Tr. v. 15:259-63; 37:5471) and certainly not 100% or close thereto (see, e.g., Tr. v. 5:220-24, 306-07), contrary to the assertions of many of Contestees' witnesses.¹⁹

¹⁹The amount of trial and error necessary to achieve an acceptable result would depend upon the competency of the assayer (Tr. v. 38:5711-13), and the large amount of testing conducted by Mr. Phebus and perhaps others suggests a lack of competency (see Tr. v. 37:5515-16).

Although Contestees argue otherwise, the facts that Mr. Matheson requested a joint sampling in January 1998 and that Mr. Mur told him that BLM would not respond to the request are of no consequence. Contestees argue that the suspension of their plan of operations was unfair because Pass Minerals interpreted those facts as constituting “‘tacit approval’ for discovery and proceeded to grade the mine site, install roads and culverts and put \$3,500,000 worth of equipment onto the mine site.”

As discussed below, the alleged unfairness of the suspension of the plan of operations is a red herring. Further, Contestees mischaracterize the alleged reliance upon Mr. Mur’s statement in three respects.

First, they misinterpret the January 1998 request as a request for a mineral examination when, in fact, it was a request for a joint sampling. Second, they misidentify Pass Minerals as the entity which performed the referenced tasks when, in fact, Bonanza performed the work at its cost and to primarily serve its purposes (see, e.g., Tr. v. 8:1427-28; v. 22:2579-82; v. 23:2844; Ex. A-38). Third, the record does not show any reliance upon Mr. Mur’s statement in making the decision to contract with Bonanza or to perform the referenced tasks. To the extent, if any, that Contestees are arguing that Contestant should be estopped from challenging the Mijo claims based upon lack of discovery, they have not shown that the elements of estoppel exist. See, e.g., James A. Becker, 138 IBLA 347, 350-51 (1997).

Contestees make much of the fact that this Tribunal suggested during the hearing that joint sampling and assaying be conducted. However, it is now clear, after presentation of Contestant’s rebuttal evidence and adequate time to review and consider the entire voluminous record, that there is no serious question as to the lack of discovery of a valuable mineral deposit.

Further, it is clear that Contestees were not unreasonably denied a fair opportunity to sample and assay material and otherwise prove a discovery on the Mijo claims. From 1983, when the claims were located, to 1999, when the plan of operations was suspended, Contestees, their co-developers, and predecessors-in-interest were able to access and develop the claims without substantial interference from the Government.

During the suspension, Contestees could have undertaken development pursuant to their mining notice (Ex. 46) without BLM approval so long as they would not disturb more than five acres. 43 C.F.R. § 3809.1-3 (cf. Tr. v. 38:5741). The feasibility of this course of action is supported by Mr. Matheson’s own testimony that he contemplated proving the validity of each of the Paiute Valley claims by operating on five acres or less, processing the material at the Mijo claims, and sending it elsewhere for refining (Tr. v. 23:2870-71).

Once the suspension was lifted in July of 2000, they were again free to develop the claims under the plan. From 1983 to the conclusion of the hearing, there was ample opportunity to gather evidence necessary to prove a discovery.

This fact is confirmed by Contestees’ evidence of sampling and development. If

accepted at face value, that evidence shows that thousands of samples from all over the Mijo claims were processed for gold from the time Mr. Matheson became involved in development of the claims in the late 1980's until suspension of the plan of operations. If Mr. Matheson and his co-developers followed proper procedures and kept adequate records and if commercial gold is truly present, then Contestees ought to be able to prove a discovery from such an extensive body of sampling evidence.

With regard to record keeping, Mr. Phebus testified that he was concerned not with recording precise precious metal values but with improving the processing equipment and methods and producing precious metals. He did not consider himself to be an assayer, relied upon others to a large extent to conduct the assays, and depended upon others to record the assay data, either in assay sheets or lab books.

Gene Smith was in charge of quality control and kept the lab books, which reportedly included both assay data and sampling locations. Those lab books were not adduced at hearing.

Indeed, no records were adduced at hearing for the vast majority of the samples. For those samples, the assay results were not presented or were stated as approximate numeric averages of results from an indefinite number of samples, with no information about each sample, so that the testimony carries little or no probative worth. The assay results for samples for which records and/or more detailed testimony was provided were not sufficient to overcome the Government's prima facie case and establish the validity of their claims, as discussed above.

Because it is Contestees' obligation to prove the validity of their claims, it is their responsibility to keep and present records adequate to demonstrate their assertions, United States v. Boyle, A-30922, 76 I.D. 318, 324 (1969), and they cannot expect their default to establish the validity of their claims, United States v. Barrows, A-31023, 76 I.D. 299, 312 (1969), or to justify granting them further opportunity to prove a discovery. See United States v. Porter, 37 IBLA 313, 316 (1978). The fact that their scheme to refine material through the EII pilot plant may have been frustrated by the plan suspension and/or the denial of an escrow agreement is a red herring because, among other reasons, they had ample opportunity to prove a discovery, despite the suspension and escrow denial.

Contestees do not contend, nor do the facts show, that they were denied fair opportunity to sample to define the quality and quantity of precious metals in the alleged ore body. Rather, they contend that they were unfairly thwarted from refining the material to provide "conclusive proof of discovery."

The underlying assumption is that equity and fairness dictate that refining be allowed to prove a discovery. This assumption is not correct.

Sampling and assaying are proven methods of determining the quality and quantity of mineralization. Despite Contestees' assertions to the contrary, the great weight of the evidence shows that the Mijo material can be reliably assayed by various methods and therefore that

refining is not necessary to prove a discovery. Having had fair opportunity to prove a discovery by sampling and assaying, Contestees are not entitled to another bite at the apple.

Further, the EII pilot plant, as designed and constructed, was not capable of recovering gold and silver at the contemplated refining rate and grind of 2 tons per hour and 400 mesh, respectively (Ex. 73; Ex. 2, pp. 8-9; Tr. v. 1:179-80, 211-12; v. 5:256-57; v. 40:6047, 6062-65, 6071-72, 6099). Mr. Jucevic testified that he found the plant "amateurish" (Tr. v. 40:6096), stating, "There's no way I could see that it would have operated for three days, probably not even for three hours" (Tr. v. 40:6099). Estimated additional investment of \$21,000 to \$210,000 or more would have been necessary to correct the problems before it could have operated as contemplated (Ex. 73; Tr. v. 6062-65; see also Tr. v. 1:179-80, 211-12; v. 5:256-57; v. 40:6047, 6050-51, 6071-72).²⁰

According to the testimony of Contestees' own witnesses, the material could have been refined elsewhere. As far back as 1990 and 1991, Mr. Phebus was purportedly producing dore bars and anode mud without leaching, using 250 pound samples, a standard flux, and standard smelting procedures at the Becki M mill site. He claims to have further refined the bars in 1998 in Canada before selling one of the bars for over \$12,000 Canadian. If this claim is true and if records or other information had been provided to adequately detail the process from sampling to sale, Contestees would already have at least some substantial probative evidence of gold production.

Mr. Phebus testified that he knew what was needed to develop a system for refining the Mijo material but that his plans for such a system were frustrated because the claim developers ran out of money in 28 months (i.e., by sometime in 1992) before they acquired the necessary permits and equipment, including furnaces. He testified that the system was similar to that used by Mr. Gunnison, except that Mr. Phebus did not like using the belt filter because the material caked up, resulting in loss of precious metals and the need to frequently shutdown the system to clean it. The jist of his testimony is that there are several ways of refining the material, that the best method includes use of a thiourea leach, and that they lacked money to develop a pilot plant capable of handling larger quantities. (See, e.g., Tr. v. 29:3988-94)

Although the Becki M mill site setup was not ideal because of its lower volume capacity (one to five tons per day), that setup could have been returned to a status capable of producing dore bars by installing the belt filter and a few other pieces of equipment, including a large furnace, according to Mr. Phebus (Tr. v. 6:859-62, 992-98, 1003-06; v. 7:1039-54; Tr. v. 6055).

²⁰Some of the potential problems with EII's plant identified by the mineral examiners in the Government's case-in-chief, such as the mounting of equipment on wood, the absence of an air quality permit, and the questionable availability of the local landfill as a depository for the tailings, may not be problematic (see, e.g., Tr. v. 14:85, 96-97; v. 22:2586, 2589-90).

Nevertheless, other problems remain.

To add these items and upgrade the test facility with settling ponds, a complete lab facility, and other equipment to make it more production oriented would cost approximately \$200,000, according to Mr. Phebus (Tr. v. 6:959-62, 997-98). The estimate was based upon the assumption that the furnace and other equipment would be bought.

A furnace rented from Mr. Henderson was used to produce the alleged dore bars in the early 1990's and the only explanation ever given as to why rental was not once again considered is Mr. Matheson's general statement that he did not wish to rent equipment. Mr. Clay pointed out that Contestees could have raised in less than one year over \$500,000 in capital for a larger capacity plant by processing material through the Becki M setup, assuming, arguendo, that the gold values exist as claimed by Contestees (Tr. v. 40:6053-55). If the gold values exist, the reinstallation of the belt filter and rental of a furnace appears to be a more realistic method of producing gold to raise further capital and/or prove a discovery.

Mr. Matheson testified regarding another low volume (about 20 pounds per hour) facility located in the Las Vegas area which was owned by Don Hall prior to his death in approximately 1998 (Tr. v. 14:17-18; v. 33:4757-68, 4777-78). According to Mr. Matheson, that facility had produced and was capable of producing gold buttons from Eldorado Valley material using a leach process (Tr. v. 33:4757-68, 4777-78).

By November of 1999, when the contest Complaint was issued, Contestees knew the contest charges and that their scheme for larger scale excavation and refining using a sand and gravel operator and EII, at little cost to Contestees, was not going forward. Mr. Matheson testified as to efforts to attract financing in various forms for larger scale extraction and refinement, but these efforts do not appear to be the most practical way of attempting to prove a discovery, especially in light of Contestees' historic inability to attract such financing and the likely chilling effect of the contest on potential financing. Their obligation to diligently gather information to prove a discovery would necessarily include focusing upon what was more readily accomplishable, such as the low volume facilities, rather than larger scale development, at least after the Complaint was issued.

Mr. Matheson focused repeated attention and criticism upon the mineral examiners' decision to mark some blanks as samples from the Mijo claims. He argues, among other things, that the mineral examiners acted unethically and deceptively and therefore that their evaluation of the Mijo claims cannot be trusted to be truthful and accurate.

Contestant correctly responded that the examiners' decision was dictated by the circumstances, and is neither unusual nor unethical. Messrs. Clay and Shumaker explained that they purposefully mislabeled some blanks to prevent Contestees and their assayers from suspecting that the samples were not from the Mijo claims, with the goal of determining whether Contestees' preferred assayers were reliable (Tr. v. 1:58-60, 62, 143-44, 146-147; v. 2:391-92). Messrs. Clay and Shumaker used material from their yards, rather than material such as silica

sand, because it best resembled material from the Mijo claims (Ex. 2, p. 27; Tr. v. 1:267-68; v. 1:167, 180-81; v. 2:366). This process showed that Messrs. White and Henderson and Dr. Jordan could not be relied upon because they reported value where none existed (Ex. 2, pp. 44-45; Tr. v. 1:62, 268-69; v. 12:2098, 2139, 2163).

This protocol was appropriate by BLM, mining industry, and professional standards. Roger Haskins, the senior mining law specialist who assists in formulating policy for BLM (Ex. 13; Tr. v. 11:1821), testified that the protocol used by the mineral examiners was acceptable and consistent with BLM policy (Tr. v. 11:1853-56, 1965, 1981-82; v. 12:2009-12, 2015, 2138-39, 2163; see also Ex. 7; Tr. v. 12:2106-07, 2137). Mr. Lewis, a reputable assayer with over 22 years of experience (Tr. v. 2:396-99, 432, 441; Ex. 11), testified that the protocol was prudent and not uncommon in the mining industry (Tr. v. 2:424; see also Tr. v. 2:400-01, 415-16, 430-31, 473). Substantial evidence in the record supports Mr. Lewis' conclusion (see, e.g., Ex. 9, pp. 13-14 (Nevada Bureau of Mines recommending the use of double blind studies to check assayer competence); Ex. 10, p. 6 (paper given at a mining industry meeting recommending submitting samples of known value as part of the sample stream from the property in question to catch quack assayers); Ex. 72, p. 2 (Jucevic stating that the protocol followed by the examiners "is an excellent example of a very professional job"); Tr. v. 37:5465-66 (Lechler testifying that the protocol used by the examiners "was a very good way of getting at what was going on" in a suspect lab and that the protocol is "not uncommon . . . in evaluating an analytical laboratory")). Contestees' own witness, Dr. Guay, suggested that the BLM employ essentially the protocol that the examiners followed (Ex. 2, p. 27, Att. IIB-2).

As a result of the mislabeling, Mr. Matheson filed a complaint against Mr. Shumaker with the American Institute of Professional Engineers (AIPG) (see Ex. 82), of which Mr. Shumaker is a member, and the AIPG dismissed the complaint as unmerited explaining, among other things, that the protocol employed by the examiners is normal (Tr. v. 26:3529-30). In fact, the Chairman of the Ethics Committee of the AIPG subsequently published an article in The Professional Geologist, a well-respected publication in the mining industry, addressing the exact issue raised by Mr. Matheson (Ex. 35). The article states that, although "the property owner is correct that the insertion of standards, blanks, and duplicates as if they were part of the regular sample stream can be viewed as a form of deception," the "deception is ethically allowed" for several reasons, including "quality assurance and quality control." Id.

In short, there is no basis to Contestees' arguments that the mineral examiners somehow acted improperly in substituting blanks for some of the samples from the Mijo claims. Thus, the substitution does not constitute a reason to suspect BLM's sampling, the assaying that was performed for BLM, the Mineral report, or the mineral examiners' testimony.

Contestees find fault with the mineral examiners in other respects, but that fault-finding likewise does not withstand scrutiny. According to Contestees, the mineral examiners "did not have sufficient training and the specialized experience to physically examine, sample and assay a

mining claim which was part of a 'new type' of deposit. * * * The Mineral Examiners failed to do a minimum level of investigation into a 'new type of deposit'." (Contestees' reply brief at 51-52)

In support of this argument, Contestees contend that the mineral examiners were not aware that the Department has already recognized this new type of deposit in a publication admitted as Exhibit A-193. That exhibit is not a Departmental publication but, rather, a peer-reviewed handbook prepared by the Society of Mining Engineers (SME) and merely sponsored by the Bureau of Mines when it still existed (Tr. v. 36:5382; v. 39:5857-58; 5952).

The pertinent portion of the handbook states under the subheading "Elusive Gold":

Gold in the form of clean free particles of micron size is present in certain rocks *

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* * * * *

Gold in similar free form, or in organic or inorganic compounds down to molecular size particles, undoubtedly occurs in alluvium. In none of these forms would gold be susceptible to cyanidation, because free particles in alluvium are coated with mineral salt and thus insulated from the solution, and compounds would not react. No reliable method of assay for gold in these forms is known at present. The presence of significant amounts of gold in certain unconsolidated sediments has been very strongly indicated from recent research. It is expected that a method of extraction will be developed, which may also be the first method of assay.

(Ex. A-193, pp. 17-157 to 17-158). Contestees argue that the mineral examiners failed to realize that Mijo claims contain a "new type of deposit" consisting of "elusive gold" for which no reliable method of assay is known and for which a method of extraction will be the first method of assay.

Contestant's witnesses effectively responded to Contestees' reliance upon the "Elusive Gold" subsection, with both mineral examiners pointed out that that subsection is found in an outdated version of the handbook (Tr. v. 36:5298-300, 5382; v. 39:5857-58; v. 40:6056). The current edition of the handbook no longer references elusive gold or contains such language (Tr. v. 36:5298-302; v. 39:5857-58; v. 40:6056), which is consistent with the testimony of Messrs. Clay, Lechler, and Jucevic. They disputed Contestees' contention that the subsection supports Contestees' position that a new type of deposit has been discovered and disagreed with the statements that there is no reliable method of assaying and that a method of extraction may be the first method of assay, opining that the former has no basis and that the latter is conjecture (Tr. v. 36:5298-300, 5382; v. 37:5560-61; v. 39:5857-58, 5862-64; v. 40:6056-58, 6108-09).

Contestees also claim that BLM failed to follow a provision on page IV-11 of its

Handbook for Mineral Examiners (H-3890-1) (March 17, 1989) (Ex. 14), which recommends the use of a 60-pound sample in a column percolation or bottle agitation cyanide leach test for micron-sized disseminated gold deposits that will be vat or heap leached. More generally, Contestees argue that BLM should have taken bulk samples.

However, the handbook provision on which Contestees rely is the protocol to estimate the recovery for an actual mine once the existence of micron gold is already established by assay (Tr. v. 35:5146-47; v. 36:5334-37). As discussed elsewhere, none of Contestant's analyses found gold beyond background concentrations, so the provision is inapposite (id.).

Dr. Guay did testify that for a placer deposit "there's no such thing as an assay * * * because the values are too scattered and they're too small [so that] your assay on a placer deposit would be probably something [on] the order of .01. * * * [N]obody does it. And what you have to do is go out and dig up cubic yards of material, run it through your recovery plant and see how much gold you collect." (Tr. v. 5:274)

Mr. Clay and Dr. Pray similarly acknowledged that there is not a reliable method of assay for a traditional placer deposit (Tr. v. 35:5176; v. 39:5754, 5757), but explained that the lack of reliability pertains to sampling error associated with taking small samples of material that likely contains gold in nugget form and which is erratically distributed (Tr. v. 35:5174-77; v. 39:5757-59). A fire assay will reliably detect whatever gold is in the sample (Tr. v. 36:5286, 5301; v. 39:5958).

To analyze a typical placer, bulk samples are taken and concentrated and then the black sands concentrate is amalgamated (Tr. v. 35:5174-76; Ex. 14, p. IV-10). The tailings may then be fire assayed to determine if any gold was missed (Tr. v. 5:7176-77). A true placer deposit (i.e., a stream bed) is sampled and processed this way to obtain an accurate representation of the material, given that the gold is typically erratically distributed and may consist of large nuggets and that a standard fire assay may overestimate what is readily recoverable through gravity separation methods typically used on traditional placer deposits (Tr. v. 35:5174-77; v. 36:5286, 5298-301; Ex. 14, p. IV-10).

However, both Dr. Guay and Mr. Clay noted that the material in the Eldorado Valley does not constitute true placer material (Tr. v. 5:276; v. 35:5175, 5177). Rather, it is a sedimentary deposit which allegedly contains micron-size gold particles that are widely disseminated (Tr. v. 5:276; Tr. v. 35:5175, 5177). Consequently, smaller samples are appropriate (Tr. v. 35:5175, 5189-90; Ex. 8, pp. 30-32, 34).

Nevertheless, BLM did process two bulk samples weighing 2,500 and 2,300 pounds using the accepted placer method of concentration and then sent the concentrate to Legend for amalgamation and assay of the tailings (Ex. 2, pp. 23, 25-26). Also, Dr. Pray did a vat thiourea leach test using 10 kilogram samples of Mijo material (Ex. 41, p. 3). No anomalous gold values

were detected in any of these samples (Ex. 2, p. 26; Ex. 41, p. 3).

Contestees quote another provision from the mineral examiners' handbook recommending that black sands from placer material be assayed if a spectrographic analysis of the black sands reveals significant amounts of rare earths, platinum group elements, and certain other minerals (see Ex. 14, p. IV-10). However, Contestees do not explain the significance of this quote to the contest, especially given that the Mijo material is not true placer material. In any event, Contestant's experts conducted numerous analyses on Mijo material, including spectrographic examinations and assays of the tailings/black sands for two bulk samples, and they all showed no anomalous amounts of precious metals.

C.

Contestees Failed To Show The Quantity Of Reserves

Assuming, arguendo, that Contestees' have provided some probative evidence of precious metals above average crustal abundance, Contestees failed to demonstrate the quantity of precious metals on the Mijo claims. As the IBLA has stated, "Proof of quantity is crucial to establish the existence of a valuable mineral deposit." United States v. Bagwell, 143 IBLA 375, 391 (1998), citing Crowley, 124 IBLA at 385. "Isolated showings of high values of gold will not alone suffice to demonstrate the existence of a valuable mineral deposit." Id. at 391-92, citing Parker, 91 I.D. at 285-86; see also Bechthold, 25 IBLA at 88 ("Occasional high samples are not conclusive evidence of a valid discovery. Other factors must be considered, such as the extent of the mineral deposits . . ."). There must be evidence that the high values are sufficiently consistent to conclude "continuous mineralization, the quantity of which can be reasonably determined by standard geologic means." Bagwell, 143 IBLA at 391.

Mr. Matheson presented Exhibit A-134 as his "rough" layman estimates of the "minimum ore reserves" of gold on the Mijo claims based upon his assumption that the alleged deposit is homogenous (Tr. v. 23:2739-40, 2745). He estimated that the Mijo 16 and Mijo 17 claims contain tonnage of 3,000,000 and 600,000, respectively, bearing gold at a minimum average grade of 0.10 ounces per ton (Ex. A-134). Exhibit A-134 indicates that the tonnage estimates were based upon the following figures:

	Mijo 16	Mijo 17
"Area Tested"	350 yd. x 350 yd.	350 yd. x 350 yd.
"Depth Tested"	16.6 yd. (0-100 ft. = 50 ft./avg.)	3.3 yd.
"Volume Tested"	(350)(350)(16.6) cu. yd.	(350)(350)(3.3) cu. yd.

"Tonnage"	$(350)(350)(16.6)(1.5) = 3,050,250$	$(350)(350)(3.3)(1.5) = 606,375$
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Exhibit A-134 suffers from several deficiencies. First, it was prepared by a layman, Mr. Matheson. Second, it amounts to a series of calculations based on unattributed values and measurements, as Mr. Matheson never explained his calculations.²¹ Third, it assumes every inch of the claims to a depth of 50 feet may be mined, which is physically impossible, given the need to achieve stable slopes leading down into the pit (see Tr. v. 40:6018-19). Fourth, it is based upon the unproven assumption that the alleged precious mineral deposit is uniformly distributed.

Dr. Ager also briefly testified regarding the volume of reserves, stating that 70 million tons is a good estimate of the tonnage of reserves, given the size of the claims (320 acres), a presumed thickness (depth) of 100 feet,²² and an assumed weight of 1.5 tons for each cubic yard (Tr. v. 19:3314). His testimony similarly lacks explanation as to why certain figures were used, including the 100 foot depth and the 1.5 tons for each cubic yard, and he also failed to address the grade of the material.

The testimony of Contestees' own witnesses, including Mr. Matheson, establish the falsity of his assumption that the alleged precious metal deposit on the Mijo claims is uniformly distributed (Tr. v. 23:2846-47). Mr. Matheson testified at one point that the values varied significantly on the Mijo claims, between .00 and 4.0 oz/ton, depending on the samples' relation to the "blue structures" (Tr. v. 23:2906-07).

He took the position that the head ore was homogeneous because it nearly always showed value, whereas the values for the concentrate (the magnetic portion of the screened material) varied more by location presumably because the magnetics were not uniformly dispersed (Tr. v. 31:4644-46; v. 32:4558-59, 4562-64). This testimony amounts to little more than a layman's hypothesis, as it is based upon a vague statement that the head ore nearly always showed value without supporting detail regarding the implied consistency of the head ore values.

Testimony from the other witnesses of Contestees precludes any conclusion that the values are consistent. For example, Mr. Henderson testified that, of the hundreds of assays he has performed on Mijo material, the results "jump all over the place," ranging in value from "nothing up to * * * 29 [ounces per ton]." (Tr. v. 3:702-03)

²¹The assumption of a 50 foot depth for the reserves presumably is based upon the fact that the seven holes drilled by Bonanza and CSR all penetrated to a depth of at least 50 feet.

²²The assumed depth of 100 feet presumably relates to the fact that the three CSR drill holes were bored to a depth of 100 feet, but those holes are too few in number to project over the entire 320 acres of the claims (see Tr. v. 40:6018).

Mr. Phebus testified that he performed thousands of analyses on samples taken across the claims to assess precious metal content, that the values “bounce all over the place”, that some of the tests showed no value, and that this could be indicative that precious metals were not found where the testing occurred or that “we’re out of the ore body.” (Tr. v. 3:761, 763; v. 30:4021-22). The “ore body” to which he referred is the “blue structures” that diagonally cross the north-east corner of the Mijo 16 claim (Tr. v. 3:888, 901; see also id.:889-90 (testifying the precious metal concentration varies in relationship to proximity to the “structure”)).

Mr. Moore testified similarly (Tr. v. 7:1133-34; v. 8:1341-42, 1404-09). At one point Mr. Moore appeared to admit that Contestees’ preferred method of extraction - Mr. Gunnison’s leach process - could not economically process material taken “off-structure” at the 2 tons per hour rate Contestees were contemplating; rather, the rate would have to be increased to “10,000 ton [sic] a day . . . to make the money,” given the “values” they were getting off-structure (Tr. v. 8:1405; see also Tr. v. 7:1119-21 (indicating that Mr. Gunnison’s recovery was less for samples taken off-structure)).

Others testified regarding variations throughout the Eldorado Valley, which are significant because of the repeated statements by Dr. Ager that the origins, geology, mineralogy, and response to metallurgical processes is similar for all the material in the valley (see, e.g., Tr. v. 17:3004, 3013-14; v. 18:3132-33, 3169-70, 3197-98, 3208; v. 19:3369-70; v. 20:3511-12). Dr. Guay, based on the data provided to him by Mr. Matheson and Dr. Ager, testified that one reason they were getting inconsistent assay results was that “the ore samples themselves vary from one part of the valley to the other.” (Tr. v. 5:80) In fact, Dr. Guay admitted that sampling was unpredictable because the data “from all over that valley show[] this big spread in numbers.” (Tr. v. 5:253). He opined that an average grade could not be calculated “because there’s too much scatter in [the] numbers.” (Tr. v. 5:311)

Dr. Ager similarly admitted that there are variations in vector and grade in Eldorado Valley (Tr. v. 19:3453-54). Indeed, with respect to the southern Eldorado Valley (the Mijo claims are in the northern end), he admitted that the grade of the alleged deposit is variable from foot to foot, and that one could find high values in one foot and no values in the next (Tr. v. 19:3374-75; see also Ex. 20; Tr. v. 17:3013-14).

Of course, in reality, the material on the claims is homogeneous, as the mineral examiners testified (see, e.g., Tr. v. 40:6028). However, this cannot be stretched into evidence that the alleged precious metal deposit is homogeneous. There is insufficient evidence to show that the homogeneity of the alluvial fill on the claims translates into a homogeneous precious metal deposit.

Thus, the testimony of Contestees’ own witnesses precludes any finding that Contestees have proved the extent of reserves. See, e.g., United States v. Clouser, 144 IBLA 110, 117 (1998) (rejecting a “geologic projection of a mineral deposit of any particular value” because of

"an erratic distribution of mineral values"). Therefore, even if some weight is given to Contestees' assays, Contestees have failed to show a discovery.

CONCLUSION

Without further belaboring this Decision with additional references to contentions of fact and law, I hereby advise that all contentions submitted by the parties have been considered and, except to the extent they have been expressly or impliedly adopted herein, they are rejected on the ground they are, in whole or in part, contrary to the facts and law or are immaterial. Based upon the foregoing, the Mijo Nos. 16 and 17 placer mining claims are hereby declared invalid for failure to make a discovery of a valuable mineral deposit.


Harvey C. Sweitzer
Administrative Law Judge

APPEAL INFORMATION

Any party adversely affected by this decision has the right to appeal to the Interior Board of Land Appeals. The appeal must comply with the regulations set out in 43 C.F.R. Part 4 (see enclosed information pertaining to appeals procedures). Additionally, effective February 11, 2002, the Interior Board of Land Appeals has a new mailing address, as follows: 801 North Quincy Street, Suite 300, Arlington, Virginia 22203.

See page 95 for distribution.

Distribution
By Certified Mail:

John W. Steiger, Esq
Office of the Field Solicitor
U.S. Department of the Interior
Suite 6201, Federal Building
125 South State Street
Salt Lake City, Utah 84138

K. Ian Matheson, President
Pass Minerals Inc.
Kiminco Inc.
Pilot Plant Inc.
2215 Lucerne Circle
Henderson, Nevada 89104

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NAME: CACTUS GOLD CORP.

FILE TYP/NR C 5057-1993 ST NEVADA INC ON MAY 3, 1993 FOR PERPETUAL
STATUS: CURRENT LIST AS OF : 06-02-03 NUMBER OF PAGES FILED: 4 KDD
TYPE: REGULAR
PURPOSE: ALL LEGAL ACTIVITIES

PAR SHRS: 100,050,000 PAR VAL: \$.001 NR NO PAR SHRS:
RA NBR: 17321 CAPITAL: \$100,050.000

LIST OF OFFICERS FOR 03 - 04 FILED ON 06-02-03		ANNUAL LO	ERR
RA	ROBERT D. MCDUGAL SUITE 420	ACCEPTED	072800
	100 WEST GROVE ST RENO	NV 89509	
PRES	CHARLES A. AGER		051193
	17146 20TH AVE. SURREY	CN V4259 + 9	
SECT	CHARLES A. AGER		051193
	17146 20TH AVE. SURREY	CN V4259 + 9	
TRES	CHARLES A. AGER		051193
	17146 20TH AVE. SURREY	CN V4259 + 9	

CMD?
PA1=MENU PF3=PAGE-> PF5=END INQ

4- 1 Sess-1 10.131.152.1 TP02SX42 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

MAY 03 1993

CHERYL A. LAW SECRETARY OF STATE

Cheryl A. Law
5057-93

No. _____

FILING FEE: \$125 DM
RECEIPT# C 00614
EXPEDITE# E037040
BY: JONES JONES ET AL
300 S. FOURTH ST. STE. 700
LAS VEGAS, NV 89101-6026

**ARTICLES OF INCORPORATION
OF
CACTUS GOLD CORP.**

The undersigned, for the purpose of forming a corporation, pursuant to and by virtue of Chapter 78 of Nevada Revised Statutes, hereby adopts and acknowledges the following Articles of Incorporation.

ARTICLE I

NAME

Section 1.1. The name of the corporation is Cactus Gold Corp.

ARTICLE II

RESIDENT AGENT AND REGISTERED OFFICE

Section 2.1. The name of the initial resident agent and the street address of the initial registered office in the State of Nevada where process may be served upon the corporation is Jones, Jones, Close & Brown, Chartered, Seventh Floor - Bank of America Plaza, 300 South Fourth Street, Las Vegas, Clark County, Nevada, 89101. The corporation may, from time to time, in the manner provided by law, change the resident agent and the registered office within the State of Nevada. The corporation may also maintain an office or offices for the conduct of its business, either within or without the State of Nevada.

ARTICLE III

CAPITAL STOCK

Section 3.1. Authorized Shares. The aggregate number of shares which the

corporation shall have authority to issue shall consist of 25,000 shares of common stock having no par value.

Section 3.2. Consideration for Shares. The shares of the corporation's stock authorized by Section 3.1 shall be issued for such consideration as shall be fixed, from time to time, by the Board of Directors.

Section 3.3. Assessment of Stock. The capital stock of this corporation, after the amount of the subscription price has been fully paid, shall not be assessable for any purpose, and no stock issued as fully paid shall ever be assessable or assessed. No stockholder of the corporation is individually liable for the debts or liabilities of the corporation.

Section 3.4. Cumulative Voting For Directors. Each holder of stock possessing voting power is entitled to as many votes as equal the number of his shares of stock multiplied by the number of directors to be elected, and he may cast all of such votes for a single director or may distribute them among the number to be voted for or any two or more of them, as he may see fit.

Section 3.5. Preemptive Rights. No stockholder of the corporation shall have any preemptive rights.

ARTICLE IV

DIRECTORS AND OFFICERS

Section 4.1. Number of Directors. The members of the governing board of the corporation are styled as directors. The number of directors may be changed from time to time in such manner as shall be provided in the bylaws of the corporation.

Section 4.2. Initial Directors. The name and post office box or street address of the

director constituting the first Board of Directors, which shall be one (1) in number, is:

NAME

ADDRESS

James T. Roe, III

2245 North Green Valley Parkway
Henderson, NV 89014

Section 4.3. Limited Liability Of Directors And Officers. No director or officer of the corporation shall be personally liable to the corporation or any of its stockholders for damages for breach of fiduciary duty as a director or officer; provided, however, that the foregoing provision does not eliminate or limit the liability of a director or officer of the corporation for:

- (a) Acts or omissions which involve intentional misconduct, fraud or a knowing violation of law; or
- (b) The payment of distributions in violation of Nevada Revised Statutes § 78.300.

Section 4.4. Payment of Expenses. In addition to any other rights of indemnification permitted by the law of the State of Nevada as may be provided for by the corporation in its bylaws or by agreement, the expenses of officers and directors incurred in defending a civil or criminal action, suit or proceeding, involving alleged acts or omissions of such officer or director in his or her capacity as an officer or director of the corporation, must be paid, by the corporation or through insurance purchased and maintained by the corporation or through other financial arrangements made by the corporation, as they are incurred and in advance of the final disposition of the action, suit or proceeding, upon receipt of an undertaking by or on behalf of the director or officer to repay the amount if it is ultimately determined by a court of competent jurisdiction that he or she is not entitled to be

indemnified by the corporation.

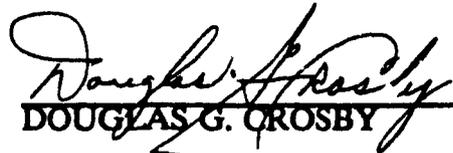
Section 4.5. Repeal And Conflicts. Any repeal or modification of Section 4.3 or 4.4 approved by the stockholders of the corporation shall be prospective only. In the event of any conflict between Section 4.3 or 4.4 and any other Article of the corporation's Articles of Incorporation, the terms and provisions of Section 4.3 or 4.4 shall control.

ARTICLE V
INCORPORATOR

Section 5.1. The name and post office box or street address of the incorporator signing these Articles of Incorporation is:

<u>NAME</u>	<u>ADDRESS</u>
Douglas G. Crosby	Seventh Floor - Bank of America Plaza 300 South Fourth Street Las Vegas, Nevada 89101

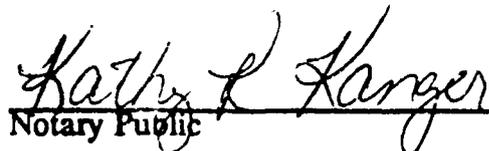
IN WITNESS WHEREOF, I have executed these Articles of Incorporation this 3rd day of May, 1993.



DOUGLAS G. CROSBY

STATE OF NEVADA)
) SS.
COUNTY OF CLARK)

On May 3, 1993, personally appeared before me, a Notary Public, Douglas G. Crosby, personally known (or proved) to me to be the person whose name is subscribed to the above instrument who acknowledged that he executed the instrument.



Notary Public

 NOTARY PUBLIC
STATE OF NEVADA
County of Clark
Kathy R. Kanger
My Appointment Expires September 23, 1996

RECEIVED
MAY 03 1993
Secretary of State

MAY 03 1993

CHERYL A. LAM SECRETARY OF STATE

**CERTIFICATE OF ACCEPTANCE
OF APPOINTMENT BY RESIDENT AGENT
IN THE MATTER OF
CACTUS GOLD CORP.**

Cheryl A. Lam
5057-93

Jones, Jones, Close & Brown, Chartered hereby certifies that:

1. It has accepted the appointment as Resident Agent of the above corporation in accordance with Chapter 78, Nevada Revised Statutes; and
2. The registered office of the corporation in this State is located at Seventh Floor - Bank of America Plaza, 300 South Fourth Street, Las Vegas, County of Clark, State of Nevada 89101.

IN WITNESS WHEREOF, I have hereunto set my hand this 3rd day of May, 1993.

Resident Agent

JONES, JONES, CLOSE
& BROWN, CHARTERED

By: *Douglas G. Crosby*
Douglas G. Crosby, Esq.,
Authorized Signature

RECEIVED

MAY 03 1993

Secretary of State

SIXTY DAY LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

→ CACTUS GOLD CORP.

5057-93

A NEVADA CORPORATION.

FOR THE FILING PERIOD 5/93

TO 5/94

The Corporation's duly appointed Resident Agent in charge of said principal office in the State of Nevada upon whom process can be served is:

JONES JONES CLOSE & BROWN
300 S. FOURTH ST. STE. 700
LAS VEGAS, NEVADA 89101-6026

Resident Agency & Principal Place of Business — Do not change information in this area before reading #5 below.

FOR OFFICE USE ONLY

FILED (DATE) MAY 11 1993

93-94 PAID \$85.00

RETURN ALL COPIES OF THIS FORM

We want to help you get your business with our office completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

RECEIVED

MAY 10 1993

- Names and mailing addresses for all officers and directors. A President, Secretary and Treasurer must be named.
- An officer's signature at the bottom of this form. *\$85*
- Returned ALL COPIES of this form with the ~~\$85.00~~ filing fee. A \$15.00 penalty must be added if not returned within 60 days from the date of incorporation.
- Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope.
- If you have changed the resident agent or principal place of business, please contact our office for the proper forms to make the change before filing this 60 day list.

FILING FEE: ~~\$85.00~~ *\$85* LATE PENALTY: \$15.00

THIS FORM MUST BE FILED 60 DAYS FROM THE DATE OF INCORPORATION

NAME	James T. Roe, III		TITLE(S)	PRESIDENT/DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST	ZIP		
	2245 North Green Valley Parkway	Henderson	NV	89014		
NAME	James T. Roe, III		TITLE(S)	SECRETARY		
P.O. BOX	STREET ADDRESS	CITY	ST	ZIP		
	2245 North Green Valley Parkway	Henderson	NV	89014		
NAME	James T. Roe, III		TITLE(S)	TREASURER		
P.O. BOX	STREET ADDRESS	CITY	ST	ZIP		
	2245 North Green Valley Parkway	Henderson	NV	89014		
NAME			TITLE(S)	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST	ZIP		
NAME			TITLE(S)	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST	ZIP		
NAME			TITLE(S)	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST	ZIP		

James T. Roe, III
Signature of officer James T. Roe, III

President Title(s) May 4, 1993 Date

Please return ALL copies of this form and your signed check to:
Secretary of State, Capitol Complex, Carson City, NV 89710
(702) 687-5105

Appendix 18 Page 7 of 27 pages
Corporate Data: Cactus Gold, Inc.

LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

**CACTUS GOLD CORP. - A NEVADA CORPORATION
FOR THE FILING PERIOD MAY 1994 TO MAY 1995**

THE CORPORATION'S DULY APPOINTED RESIDENT AGENT IN CHARGE OF SAID PRINCIPAL OFFICE IN THE STATE OF NEVADA UPON WHOM PROCESS CAN BE SERVED IS:

**JONES, JONES, CLOSE & BROWN, CHARTERED
300 SOUTH FOURTH STREET, SUITE 700
LAS VEGAS, NEVADA 89101
ATTENTION: DOUGLAS G. CROSBY**

Do not change information in this area before reading #5 below.

5057-93
FILED
FOR OFFICE USE IN THE OFFICE OF THE
**SECRETARY OF STATE OF THE
STATE OF NEVADA**
FILED (Date)
AUG 12 1994

**SECRETARY OF STATE
Capital Complex
Carson City, NV 89710**

We want to help you get your business with the Office of the Secretary of State completed in the fastest, most efficient manner. TO AVOID DELAYS, RETURNS AND LATE CHARGES, PLEASE BE SURE YOU HAVE:

1. Included names and mailing addresses for ALL officers and directors. - A President, Secretary, Treasurer and Directors must be named.
2. Returned ALL COPIES of this form with the \$85.00 filing fee. A \$15.00 penalty must be added if this form is not filed by the deadline listed at the top of this form.
3. Included the signature of an officer of the corporation at the bottom of this form.
4. If there are additional officers and directors, attach a listing of them to this form. Last year's information has been preprinted. If you need to make changes, line out the outdated information and insert new information above it.
5. If you have changed the resident agent or principal place of business (agent's address), please contact our office for the proper forms to make the change before filing this annual list.
6. Sign and your check and have made it payable to the Secretary of State. - If you need a receipt, please enclose a self-addressed, stamped envelope.

NAME CHARLES A. AGER	TITLE(S) PRESIDENT/DIRECTOR
P.O. BOX	STREET ADDRESS 15423 34th Ave. CITY Surrey ST BC ZIP V4P 2J9 Canada
NAME CHARLES A. AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 15423 34th Ave. CITY Surrey ST BC ZIP V4P 2J9 Canada
NAME CHARLES A. AGER	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 15423 34th Ave. CITY Surrey ST BC ZIP V4P 2J9 Canada
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS CITY ST ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS CITY
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS CITY

**RECEIVED
AUG 12 1994**

Signature of officer *James T. Roe, III*
James T. Roe, III

Assistant Secretary Title(s)
8/11/94 Date

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENT OF

FILE NUMBER

CACTUS GOLD CORP.

A NEVADA CORPORATION INCORPORATED ON MAY 3, 1993.
THIS LIST IS FOR THE PERIOD MAY 1995 TO 1996

5057-9
REPRINTED
07251995

The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

RA# 13436

FOR OFFICE USE ONLY

JONES JONES CLOSE & BROWN
300 S FOURTH ST, STE 700
LAS VEGAS NV 89101

K.I. MATHESON
2715 LUCERNE CIR
HENDERSON NV.
89014

FILED (DATE)

AUG 11 1995

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT ADDRESS FORM WILL BE SENT.

95-96 FWD \$100.00

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710. (702) 887-5105

FILING FEE: \$85.00

LATE PENALTY: \$15.00

RECEIVED
AUG 03 1995

NAME CHARLES A. AGER	TITLE(S) PRESIDENT
P.O. BOX	STREET ADDRESS 15423 34TH AVE.
	CITY SURREY
	ST CN
	ZIP V4P2J 9
NAME CHARLES A. AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 15423 34TH AVE.
	CITY SURREY
	ST CN
	ZIP V4P2J 9
NAME CHARLES A. AGER	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 15423 34TH AVE.
	CITY SURREY
	ST CN
	ZIP V4P2J 9
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST
	ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST
	ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST
	ZIP

I hereby certify this annual list

X Signature of officer

[Handwritten Signature]

Title(s)

Sec.

Date

July 21

**STATEMENT OF RESIGNATION
BY RESIDENT AGENT OF CACTUS GOLD CORP.**

FILED
APR 17 1996
Doris
Secretary of State

IN THE MATTER OF CACTUS GOLD CORP.: JONES, JONES, CLOSE & BROWN, CHARTERED declares that it is unwilling to continue to act as the agent and, therefore, hereby resigns as Resident Agent of Cactus Gold Corp. in accordance with Nevada Revised Statutes Section 78.097.

IN WITNESS WHEREOF, I hereunto set my hand this 15th day of April, 1996.

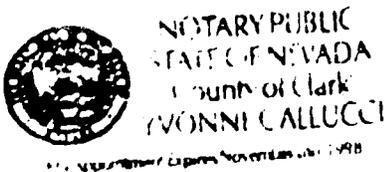
JONES, JONES, CLOSE
& BROWN, CHARTERED, Resident Agent

By: *Douglas G Crosby*
DOUGLAS G. CROSBY
Authorized Representative

STATE OF NEVADA
COUNTY OF CLARK

This instrument was acknowledged before me on April 15, 1996, by Douglas G. Crosby as Authorized Agent of Jones, Jones, Close & Brown, Chartered.

Yvonne Gallucci
Notary Public



NEVADA CORPORATION INCORPORATED ON MAY 3, 1993.
THIS LIST IS FOR THE PERIOD MAY 1995 TO 1995

REPS
0723

The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

13436

FOR OFFICE USE ONLY

FILED (DATE)

JAMES JONES CLOSE & BROWN
200 SOUTH STATE STREET
LAS VEGAS, NV 89201

K. I. MATHESON
200 SULLIVAN CIR
SPRINGFIELD, NV 89014

95-96 FID \$100

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT ADDRESS FORM WILL BE SENT

AUG 16 1995

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM

- 1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one Director. Last year's information has been prepared. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED TO YOU UNMAILED.
- 2. If there are additional directors attach a list of them to this form.
- 3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
- 4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
- 5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710, (702) 687-5105

AUG 03 1995

FILING FEE: \$85.00 LATE PENALTY: \$15.00

NAME	TITLE(S)
CHARLES A. AGER	PRESIDENT
PO BOX	
STREET ADDRESS	CITY
15423 34TH AVE.	SURREY
	ST
	CN
	ZIP
	V4P2

NAME	TITLE(S)
CHARLES A. AGER	SECRETARY
PO BOX	
STREET ADDRESS	CITY
15423 34TH AVE.	SURREY
	ST
	CN
	ZIP
	V4P2

NAME	TITLE(S)
CHARLES A. AGER	TREASURER
PO BOX	
STREET ADDRESS	CITY
15423 34TH AVE.	SURREY
	ST
	CN
	ZIP
	V4P2

NAME	TITLE(S)
	DIRECTOR
PO BOX	
STREET ADDRESS	CITY
	ST
	CN
	ZIP

NAME	TITLE(S)
	DIRECTOR
PO BOX	
STREET ADDRESS	CITY
	ST
	CN
	ZIP

NAME	TITLE(S)
	DIRECTOR
PO BOX	
STREET ADDRESS	CITY
	ST
	CN
	ZIP

hereby certifying this annual list.

Signature of officer

[Handwritten Signature]

Title(s)

Sec.

Date

[Handwritten Date]

5057-93

Certificate of Acceptance \$30.00 of Appointment by Resident Agent

NOTE: File within 30 days of the resignation, death, or removal from the state of the corporation's resident agent. Corporations who fail to do so shall be deemed in default and assessed a penalty of*\$15.00. Resignation date of previous resident agent: 4-17-96.

* The penalty for non-profit corporations is \$5.00.

IN THE MATTER OF

CACTUS GOLD CORP

Name of corporation

I, KENNETH AN MATHESON, with address at Suite 46489

(Name of resident agent)

2215 LUCRANE CIRCLE, City of

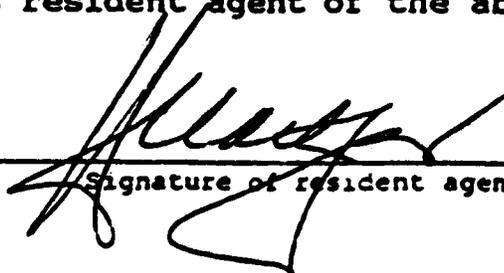
(Street and No.)

ARMEDARSON, State of Nevada, Zip Code 89014

(mailing address if different:)

hereby accept the appointment as resident agent of the above-named corporation.

August 9/96 1996


Signature of resident agent

Fee \$15.00

Please send completed form along with the \$15.00 filing fee to:

Secretary of State
Attention: Status Division
Capitol Complex
Carson City, Nevada 89710
(702)687-5105

CACTUS GOLD CORP.

5057-1993

FOR THE PERIOD MAY 1997 TO 1998. DUE BY MAY 31, 1997.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FOR OFFICE USE ONLY
FILED (DATE)

MAY 01 1997
Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **IT WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form. An annual list received more than 30 days before its due date shall be deemed an amendment list for the previous year.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710. (702) 687-5105

FILING FEE: \$85.00 PENALTY: \$15.00

NAME CHARLES A. AGER	TITLE(S) PRESIDENT
PO BOX	STREET ADDRESS 15423 34TH AVE.
	CITY SURREY
	ST. CN CN V4P2J 9
NAME CHARLES A. AGER	TITLE(S) SECRETARY
PO BOX	STREET ADDRESS 15423 34TH AVE.
	CITY SURREY
	ST. CN CN V4P2J 9
NAME CHARLES A. AGER	TITLE(S) TREASURER
PO BOX	STREET ADDRESS 15423 34TH AVE.
	CITY SURREY
	ST. CN CN V4P2J 9
NAME	TITLE(S) DIRECTOR
PO BOX	STREET ADDRESS
	CITY
	ST. CN
NAME	TITLE(S) DIRECTOR
PO BOX	STREET ADDRESS
	CITY
	ST. CN

I hereby certify this annual list

X Signature of Officer *Charles Ager*

Date *APR 16/97*

AUG 09 2000
C 5057-93

Dean Heller
DEAN HELLER, SECRETARY OF STATE

**CERTIFICATE OF AMENDMENT OF
ARTICLES OF INCORPORATION OF
CACTUS GOLD CORP.**

The undersigned, being the President and Secretary Cactus Gold Corp., a Nevada corporation, does hereby certify:

1. That the Board of Directors of Cactus Gold Corp., by unanimous written consent, declared the advisability of and adopted a resolution to amend the Articles of Incorporation of Cactus Gold Corp., as follows:

RESOLVED, the Board of Directors declares it advisable to amend Article III of the Articles of Incorporation of the Corporation in its entirety to read as follows:

3.1. Authorized Capital Stock. The amount of the total authorized capital of the Corporation is One Hundred Five Thousand Dollars (\$100,050) consisting of One Hundred Million (100,000,000) shares of Common Stock with a par value of one tenth of a cent (\$.001) per share and Fifty Thousand (50,000) shares of Preferred Stock with a par value of one tenth of one cent (\$.001) per share.

3.2. Preferred Stock. The Preferred Stock may be issued by the Corporation from time to time in one or more series and in such amounts as may be determined by the Board of Directors. The designations, voting rights, amounts of preference upon distribution of assets, rates of dividends, premiums of redemption, conversion rights and other variations, if any, the qualifications, limitations or restrictions thereof, if any, of the Preferred Stock, and of each series thereof, shall be such as are fixed by the Board of Directors, authority so to do being hereby expressly granted, and as are stated and expressed in a resolution or resolutions adopted by the Board of Directors providing for the issue of such series of Preferred Stock (hereinafter called "Directors' Resolution").

3.3. Common Stock. Except as otherwise required by law, the Articles of Incorporation or as otherwise provided in any Director's Resolution, all shares of Common Stock shall be identical and the holders of Common Stock shall exclusively possess all voting power and each share of Common Stock shall have one vote.

3.4. Relative Ranking of Common Stock. The Common Stock is junior to the Preferred Stock and is subject to all the powers, rights, privileges, preferences and priorities of the Preferred Stock as herein set forth and as may be stated in any Directors' Resolution or Resolutions.

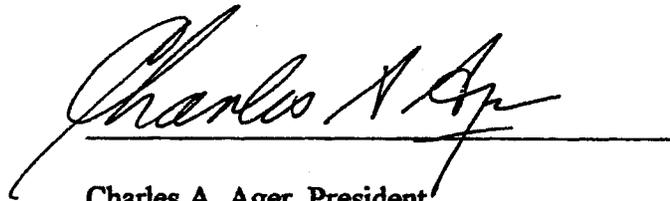
3.5. Assessment of Shares. The capital stock of the Corporation, after the amount of the consideration for the issuance of shares, as determined by the Board of Directors, has been paid, is not subject to assessment to pay the debts of the Corporation and no stock issued as fully paid up may ever be assessed, and the Articles of Incorporation cannot be amended in this respect.

FURTHER RESOLVED, that each share of common stock, no par value per share, of the Corporation issued and outstanding on the effective date of the foregoing amendment to Article III of the Articles of Incorporation shall be converted into four hundred (400) shares of common stock, \$.001 par value per share, on the effective date of this amendment.

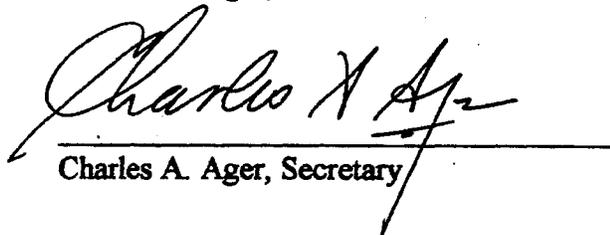
2. The stockholders of the Corporation consented to and approved the amendment by unanimous written consent in lieu of a meeting.

Dated: August 1, 2000

CACTUS GOLD CORP.

A handwritten signature in cursive script, appearing to read "Charles A. Ager", written over a horizontal line.

Charles A. Ager, President

A handwritten signature in cursive script, appearing to read "Charles A. Ager", written over a horizontal line.

Charles A. Ager, Secretary



DEAN HELLER
Secretary of State

101 North Carson Street, Suite 3
Carson City, Nevada 89701-4786
(775) 684 5708

**Certificate to Accompany
Restated Articles**
(PURSUANT TO NRS 78.403 and
82.371)

Office Use Only:

(\$75) T/A

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

AUG 10 2000
No. C5057-93

Dean Heller
DEAN HELLER, SECRETARY OF STATE

Important: Read attached instructions before completing form.

This Form is to Accompany Restated Articles of Incorporation
(Pursuant to NRS 78.403 or 82.371)
(This form may also be used to accompany Restated Articles for
Limited-Liability Companies and Certificates of Limited Partnership)
- Remit in Duplicate -

1. Name of Nevada entity as last recorded in this office: Cactus Gold Corp.

2. Indicate what changes have been made by checking the appropriate spaces.*

- The entity name has been amended.
- The resident agent has been changed.
(attach Certificate of Acceptance from new resident agent)
- The purpose of the entity has been amended.
- The authorized shares have been amended.
- The directors, managers or general partners have been amended.
- The duration of the entity has been amended.
- IRS tax language has been added.
- Articles have been added to the articles or certificate.
- Articles have been deleted from the articles or certificate.
- None of the above apply. The articles or certificate have been amended as follows:
(provide article numbers, if available)

* This form is to accompany Restated Articles which contain newly altered or amended articles. The Restated Articles must contain all of the requirements as set forth in the statutes for amending or altering Articles of Incorporation, Articles of Organization or Certificates of Limited Partnership.

IMPORTANT: Failure to include any of the above information and remit the proper fees may cause his filing to be rejected.

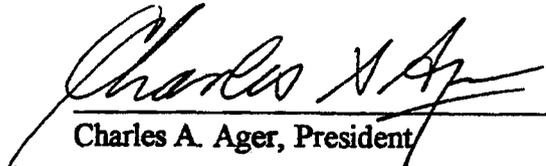
FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

AUG 10 2000
C 5057-93
Dean Heller
DEAN HELLER, SECRETARY OF STATE

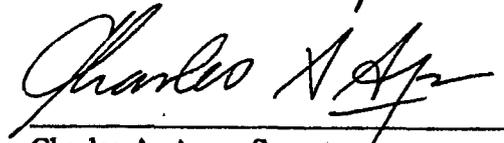
**CERTIFICATE OF
AMENDED AND RESTATED
ARTICLES OF INCORPORATION
OF
CACTUS GOLD CORP.**

The undersigned, being the President and Secretary of Cactus Gold Corp., a Nevada corporation (the "Corporation"), does hereby certify:

1. That the Board of Directors of the Corporation, by unanimous written consent in lieu of meeting dated August 1, 2000, adopted a resolution to amend and restate the Articles of Incorporation of the Corporation, as set forth in this Certificate.
2. The stockholders of the Corporation by unanimous written consent in lieu of meeting dated August 1, 2000, adopted a resolution to amend and restate the Articles of Incorporation of the Corporation, as set forth in this Certificate.
3. The Articles of Incorporation of the Corporation are hereby amended and restated to read in their entirety as set forth in Exhibit "A" attached hereto.



Charles A. Ager, President



Charles A. Ager, Secretary

EXHIBIT "A"

**AMENDED AND RESTATED
ARTICLES OF INCORPORATION
OF
CACTUS GOLD CORP.**

**ARTICLE I
Name**

The name of the Corporation is Cactus Gold Corp.

**ARTICLE II
Capital**

2.1. Authorized Capital Stock. The amount of the total authorized capital of the Corporation is One Hundred Five Thousand Dollars (\$100,050) consisting of One Hundred Million (100,000,000) shares of Common Stock with a par value of one tenth of a cent (\$.001) per share and Fifty Thousand (50,000) shares of Preferred Stock with a par value of one tenth of one cent (\$.001) per share.

2.2. Preferred Stock. The Preferred Stock may be issued by the Corporation from time to time in one or more series and in such amounts as may be determined by the Board of Directors. The designations, voting rights, amounts of preference upon distribution of assets, rates of dividends, premiums of redemption, conversion rights and other variations, if any, the qualifications, limitations or restrictions thereof, if any, of the Preferred Stock, and of each series thereof, shall be such as are fixed by the Board of Directors, authority so to do being hereby expressly granted, and as are stated and expressed in a resolution or resolutions adopted by the Board of Directors providing for the issue of such series of Preferred Stock (hereinafter called "Directors' Resolution").

2.3. Common Stock. Except as otherwise required by law, the Articles of Incorporation or as otherwise provided in any Director's Resolution, all shares of Common Stock shall be identical and the holders of Common Stock shall exclusively possess all voting power and each share of Common Stock shall have one vote.

2.4. Relative Ranking of Common Stock. The Common Stock is junior to the Preferred Stock and is subject to all the powers, rights, privileges, preferences and priorities of the Preferred Stock as herein set forth and as may be stated in any Directors' Resolution or Resolutions.

2.5. Assessment of Shares. The capital stock of the Corporation, after the amount of the consideration for the issuance of shares, as determined by the Board of Directors, has been paid, is not subject to assessment to pay the debts of the Corporation and no stock issued as fully paid up may ever be assessed, and the Articles of Incorporation cannot be amended in this respect.

ARTICLE III
Governing Board

3.1 Directors. The governing board of the Corporation shall be known as the Board of Directors, and its members shall be known as directors, and the number of directors of the Corporation shall be not less than one (1) nor more than ten (10). The exact number of directors shall be fixed from time to time exclusively by the Board of Directors pursuant to a resolution adopted by a majority of the total number of authorized directors (whether or not there exist any vacancies in previously authorized directorships at the time any such resolution is presented to the Board of Directors for adoption).

3.2. Increase or Decrease of Directors. The minimum and maximum number of Directors of the Corporation may be increased or decreased from time to time as provided in the bylaws of the Corporation.

ARTICLE IV
Directors' and Officers' Liability

No Director or, to the extent specified from time to time by the Board of Directors, officer of the Corporation will be liable to the Corporation or its stockholders for damages for breach of fiduciary duty as a director or officer, excepting only (a) acts or omissions which involve intentional misconduct, fraud or a knowing violation of law, or (b) the payment of dividends in violation of NRS 78.300. No amendment or repeal of this Article IV applies to or has any effect on the liability or alleged liability of any Director or officer of this Corporation for or with respect to any acts or omissions of the Director or officer occurring prior to the amendment or repeal, except as otherwise required by law. In the event that Nevada law is amended to authorize the further elimination or limitation of liability of directors or officers, then this Article IV shall also be so amended to provide for the elimination or limitation of liability to the fullest extent permitted by Nevada law.

ARTICLE V
Articles of Incorporation; Reservation

The Corporation reserves the right to amend, alter, change or repeal any provision contained in these Articles of Incorporation in the manner now or hereafter prescribed herein and by the laws of the State of Nevada, and all rights conferred upon shareholders are granted subject to this reservation.

These Amended and Restated Articles of Incorporation correctly set forth the Articles of Incorporation as heretofore amended, and supersede the original Articles of Incorporation and all amendments to the original Articles of Incorporation.

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF CACTUS GOLD CORP.

FILE NUMBER 5057-1993

FOR THE PERIOD MAY 2000 TO 2001. DUE BY MAY 31, 2000

RA# 46484

FOR OFFICE USE ONLY FILED (DATE)

KENNETH IAN MATHESON 2215 LUCERNE CIR HENDERSON NV 89014

Mr Robert + McDougall 100 W. GROVE ST., Suite 420 Reno, NV 89509

C A FILED MAY 23 2000 Dean Heller Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

- 1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. They must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above.
2. An officer must sign the form. FORMS WILL BE RETURNED IF UNSIGNED.
3. If there are additional directors, attach a list of them to this form.
4. Return the completed form with the \$65.00 filing fee. A \$10 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before the due date shall be deemed an amended list for the previous year.
5. Make your check payable to the Secretary of State. Your amended check will constitute a certificate to transact business per NRS 78.185. If you need the below attachment file stamped, include a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
6. Return the completed form to: Secretary of State, 101 North Carson Street, Suite 23, Carson City, NV 89701-4786, (775) 684-5700.
FILING FEE: \$65.00 PENALTY: \$10.00

Form with fields for Name, Title, Street Address, City, State, ZIP. Entries include: PRESIDENT CHARLES A. AGER, SECRETARY CHARLES A. AGER, TREASURER CHARLES A. AGER, and two DIRECTOR entries.

Signature of Officer: Charles Ager Date: May 1/00

STATE OF NEVADA SECRETARY OF STATE CACTUS GOLD CORP. FOR THE PERIOD MAY 2000 TO 2001

CACTUS GOLD CORP.

5057-1993

FOR THE PERIOD MAY 1998 TO 1999. DUE BY MAY 31, 1998.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

FOR OFFICE USE ONLY
FILED (DATE)

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FILED JF
JUL 21 1998

Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4788. (702) 687-5203.

FILING FEE: \$85.00 PENALTY: \$15.00

NAME	TITLE(S)		
CHARLES A. AGER	PRESIDENT		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	17146-20th AVE	SURREY BC	CAN. V4P2R9
	35423 34TH AVE.	SURREY	CN V4P2J 9

NAME	TITLE(S)		
CHARLES A. AGER	SECRETARY		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	17146-20th AVE	SURREY BC	CAN. V4P2R9
	35423 34TH AVE.	SURREY	CN V4P2J 9

NAME	TITLE(S)		
CHARLES A. AGER	TREASURER		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	17146-20th AVE	SURREY BC	CAN. V4P2R9
	35423 34TH AVE.	SURREY	CN V4P2J 9

NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

NAME	TITLE(S)		
	DIRECTOR		
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

I hereby certify this annual list.

Signature of Officer

Charles Ager

Date

May 31/98

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

CACTUS GOLD CORP.

5057-1993

FOR THE PERIOD MAY 1999 TO 2000. DUE BY MAY 31, 1999.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 46484

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

FOR OFFICE USE ONLY FILED (DATE)
FILED
JUN 21 1999
Dean Heller Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, other residences or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been prepared. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transfer business per NRS 78.136. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #2, Carson City, NV 89701-0788. (775) 684-6708. FILING FEE: \$85.00 PENALTY: \$15.00

NAME CHARLES A. AGER	TITLE PRESIDENT
P.O. BOX STREET ADDRESS 17146 20TH AVE.	CITY SURREY
ST. CN	ZIP V4259 9
NAME CHARLES A. AGER	TITLE SECRETARY
P.O. BOX STREET ADDRESS 17146 20TH AVE.	CITY SURREY
ST. CN	ZIP V4259 9
NAME CHARLES A. AGER	TITLE TREASURER
P.O. BOX STREET ADDRESS 17146 20TH AVE.	CITY SURREY
ST. CN	ZIP V4259 9
NAME CHARLES A. AGER	TITLE DIRECTOR
P.O. BOX STREET ADDRESS	CITY
ST. ZIP	
NAME CHARLES A. AGER	TITLE DIRECTOR
P.O. BOX STREET ADDRESS	CITY
ST. ZIP	

I hereby certify this annual list.

X Signature of Officer *Charles A. Ager* Date *May 1/99*

CERTIFICATE STATE OF NEVADA - SECRETARY OF STATE FILE NUMBER

CACTUS GOLD CORP.

5057-1993

FOR THE PERIOD MAY 1999 TO 2000. DUE BY MAY 31, 1999.

KENNETH IAN MATHESON

2215 LUCERNE CIR
HENDERSON NV 89014

Appendix 18

Page 23 of 27 pages

Corporate Data: Cactus Gold, Inc.

The Secretary of State of Nevada does hereby certify that the above Corporation, after having paid the annual fee of \$85.00 for filing in this office a list of its officers and directors and designation of resident agent for the above filing period, together with penalty in the sum of _____ and having also filed the aforesaid list as required by Nevada Revised Statutes Sections 78.150-78.165 and 80.110-80.140, as amended, is hereby authorized to transact and conduct business within this state for the aforesaid period.

THIS CERTIFICATE BECOMES A RECEIPT UPON BEING
VALIDATED BY THE OFFICE OF SECRETARY OF STATE

Dean Heller
DEAN HELLER
Secretary of State

C5057-1993



DEAN HELLER
Secretary of State

101 North Carson Street, Suite
Carson City, Nevada 89701-
(775) 684 5708

**Certificate of Change of
Resident Agent and/or
Location of Registered
Office**

Office Use Only:

FILED

JUL 28 2000

Dean Heller
Secretary of State

General instructions for this form:

1. Please print legibly or type; Black Ink Only.
2. Complete all fields.
3. The physical Nevada address of the resident agent must be set forth; PMB's are not acceptable.
4. Ensure that document is signed in signature fields.
5. Include the filing fee of \$15.00.

CACTUS GOLD CORP.

Name of Entity

The change below is effective upon the filing of this document with the Secretary of State.

Reason for change: (check one) Change of Resident Agent Change of Location of Registered Office

The former resident agent and/or location of the registered office was:

Resident Agent: KENNETH IAN MATHESON
 Street No.: 2215 LUCERNE CIRCLE
 City, State, Zip: HENDERSON, NV 89014

The resident agent and/or location of the registered office is changed to:

Resident Agent: Robert D. McDougal
 Street No.: 100 West Grove Street, Suite 420 17321
 City, State, Zip: Reno, NV 89509

NOTE: For an entity to file this certificate, the signature of one officer is required.

The certificate does not need to be notarized.

Charles Matheson PRESIDENT
 Signature/Title

Certificate of Acceptance of Appointment by Resident Agent:

I, Robert D. McDougal, hereby accept the appointment as Resident Agent for the above-named business entity.

[Signature]
 Signature of Resident Agent

July 18, 2000
 Date

15

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

CACTUS GOLD CORP.

FILE NUMBER

5057-1993

FOR THE PERIOD MAY 2001 TO 2002. DUE BY MAY 31, 2001.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY
FILED (DATE)

ROBERT D MCDOUGAL

100 W GROVE ST STE 420
RENO NV 89509

FILED

MAY 29 2001

Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.156. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4788. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME		TITLE(S)	
CHARLES A. AGER		PRESIDENT	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	17146 20TH AVE.	SURREY	CN V4259 9
NAME		TITLE(S)	
CHARLES A. AGER		SECRETARY	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	17146 20TH AVE.	SURREY	CN V4259 9
NAME		TITLE(S)	
CHARLES A. AGER		TREASURER	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
	17146 20TH AVE.	SURREY	CN V4259 9
NAME		TITLE(S)	
		DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME		TITLE(S)	
		DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

Appendix 18 Page 25 of 27 pages
Corporate Data: Cactus Gold, Inc.

I hereby certify this annual list.

X Signature of Officer

Charles Ager

Date

MAY 14 / 01

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

CACTUS GOLD CORP.

FILE NUMBER

5057-199

FOR THE PERIOD MAY 2002 TO 2003. DUE BY MAY 31, 2002.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY

FILED (DATE)

ROBERT D MCDOUGAL

100 W GROVE ST STE 420
RENO NV 89509

FILED
MAY 8 1 2002
DeWitt Hickman
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information at the end. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$35.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachments stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201. (775) 684-5706.

FILING FEE: \$35.00 PENALTY: \$50.00

NAME: CHARLES A. AGER TITLE(S): PRESIDENT

P.O. BOX: STREET ADDRESS: 17146 20TH AVE. CITY: SURREY ST.: CN ZIP: V4259

NAME: CHARLES A. AGER TITLE(S): SECRETARY

P.O. BOX: STREET ADDRESS: 17146 20TH AVE. CITY: SURREY ST.: CN ZIP: V4259

NAME: CHARLES A. AGER TITLE(S): TREASURER

P.O. BOX: STREET ADDRESS: 17146 20TH AVE. CITY: SURREY ST.: CN ZIP: V4259

NAME: TITLE(S): DIRECTOR

P.O. BOX: STREET ADDRESS: CITY: ST.: ZIP:

NAME: TITLE(S): DIRECTOR

P.O. BOX: STREET ADDRESS: CITY: ST.: ZIP:

Appendix 18 Page 26 of 27 pages
Corporate Data: Cactus Gold, Inc.

declares, to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

Signature of Officer: *CA*

Date: APR 30/02

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

CACTUS GOLD CORP.

FILE NUMBER

5057-199

FOR THE PERIOD MAY 2003 TO 2004. DUE BY MAY 31, 2003.
The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY
FILED (DATE)

ROBERT D MCDOUGAL
100 W GROVE ST STE 420
RENO NV 89509

FILED #

JUN 02 2003

IN THE OFFICE OF
Dean Heller
DEAN HELLER, SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

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2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before the due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$60.00

NAME	TITLE(S)
CHARLES A. AGER	PRESIDENT
P.O. BOX	STREET ADDRESS
	17146 20TH AVE
CITY	ST. ZIP
SURREY	CN V4259

NAME	TITLE(S)
CHARLES A. AGER	SECRETARY
P.O. BOX	STREET ADDRESS
	17146 20TH AVE.
CITY	ST. ZIP
SURREY	CN V4259

NAME	TITLE(S)
CHARLES A. AGER	TREASURER
P.O. BOX	STREET ADDRESS
	17146 20TH AVE.
CITY	ST. ZIP
SURREY	CN V4259

NAME	TITLE(S)
	DIRECTOR
P.O. BOX	STREET ADDRESS
CITY	ST. ZIP

NAME	TITLE(S)
	DIRECTOR
P.O. BOX	STREET ADDRESS

Appendix 18 Page 27 of 27 pages
Corporate Data: Cactus Gold, Inc.

I declare, to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

X Signature of Officer *Charles A Ager*

Date *MAY 20/03*

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NAME: VALLEY GOLD CORP.

FILE TYP/NR C 16836-1996 ST NEVADA INC ON AUG 7, 1996 FOR PERPETUAL
STATUS: CURRENT LIST AS OF : 09-09-03 NUMBER OF PAGES FILED: 4 RAA

TYPE: REGULAR

PURPOSE: ALL LEGAL ACTIVITIES

080796 FILING FEE \$125.00

CAPITAL:

PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 25,000

RA NBR: 51696

LIST OF OFFICERS FOR 03 - 04 FILED ON 09-09-03

ANNUAL LO

JPH

RA	ROBERT D. MCDOUGAL		ACCEPTED	092397
100 WEST GROVE ST. 420		RENO	NV 89509	
PRES	CHUCK AGER			111396
100 W GROVE ST STE 420		RENO	NV 89509	+ 8
SECT	CHUCK AGER			111396
100 W GROVE ST STE 420		RENO	NV 89509	+ 8
TRES	ROBERT D MCDOUGAL			111396
100 W GROVE ST # 420		RENO	NV 89509	

CMD?

PA1=MENU

PF3=PAGE->

PF5=END INQ

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FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

080796 *Zf*
Filing Dec 1925

AUG 07 1996

ARTICLES OF INCORPORATION

OF

VALLEY GOLD CORP

DEAN HELLER SECRETARY OF STATE

No. 16836-96

The undersigned, for the purpose of forming a corporation, pursuant to and by virtue of Chapter 78 of Nevada Revised Statutes, hereby adopts and acknowledges the following Articles of Incorporation.

ARTICLE I

NAME

Section 1.1. The name of the corporation is Valley Gold Corp.

ARTICLE II

RESIDENT AGENT AND REGISTERED OFFICE

Section 2.1. The name of the initial resident agent and the street address of the initial registered office in the State of Nevada where process may be served upon the corporation is Fanneth Ian Matheson, 2215 Lucerne Circle, Henderson, Nevada 89014. The corporation may, from time to time, in the manner provided by law, change the resident agent and the registered office within the State of Nevada. The corporation may also maintain an office or offices for the conduct of its business, either within or without the State of Nevada.

ARTICLE III

CAPITAL STOCK

Section 3.1. Authorized Shares. The aggregate number of shares which the corporation shall have authority to issue shall consist of 25,000 shares of common stock having no par value.

Section 3.2. Consideration for Shares. The shares of the corporation's stock authorized by Section 3.1 shall be issued for such consideration as shall be fixed, from time to time, by the Board of Directors.

Appendix 19 Page 2 of 17 pages
Corporate Data: Valley Gold, Inc.

Section 3.3. Assessment of Stock. The capital stock of this corporation, after the amount of the subscription price has been fully paid, shall not be assessable or assessed. No stockholder of the corporation is individually liable for the debts of liabilities of the corporation.

Section 3.4. Cumulative Voting For Directors. Each holder of stock possessing voting power is entitled to as many votes as equal the number of his shares of stock multiplied by the number of directors to be elected, and he may cast all of such votes for a single director or may distribute them among the number to be voted for or any two or more of them, as he may see fit.

Section 3.5. Preemptive Rights. No stockholder of the corporation shall have any preemptive rights.

ARTICLE IV

DIRECTORS AND OFFICERS

Section 4.1. Number of Directors. The members of the governing board of the corporation are styled as directors. The number of directors may be changed from time to time in such a manner as shall be provided in the bylaws of the corporation.

Section 4.2. Initial Directors. The name and street address of the director constituting the first Board of Directors, which shall be one (1) in number, is:

NAME		ADDRESS
Charles A. Ager	c/o	801 Stillwater Henderson, 89014

Section 4.3. Limited Liability Of Directors And Officers. No director or officer of the corporation shall be personally liable to the corporation or any of its stockholders for damages for breach of fiduciary duty as a director or officer; provided, however, that the foregoing provision does not eliminate or limit the liability of a director or officer of the corporation for:

- (a) Acts or omissions which involve intentional misconduct, fraud or a knowing violation of law; or

(b) The payment of distributions in violation of Nevada Revised Statutes 78.300.

Section 4.4. Payment of Expenses. In addition to any other rights of indemnification permitted by the law of the State of Nevada as may be provided for by the corporation in its bylaws or by agreement, the expenses of officers and directors incurred in defending a civil or criminal action, suit or proceeding, involving alleged acts or omissions of such officer or director in his or her capacity as an officer or director of the corporation, must be paid, by the corporation or through insurance purchased and maintained by the corporation or through other financial arrangements made by the corporation, as they are incurred and in advance of the final disposition of the action, suit or proceeding, upon receipt of an undertaking by or on behalf of the director or officer to repay the amount if it is ultimately determined by a court of competent jurisdiction that he or she is not entitled to be indemnified by the corporation.

Section 4.5. Repeal and Conflicts. Any repeal or modification of Section 4.3 or 4.4 approved by the stockholders of the corporation shall be prospective only. In the event of any conflict between Section 4.3 or 4.4 and any other Article of the corporation's Articles of Incorporation, the terms and provisions of Section 4.3 or 4.4 shall control.

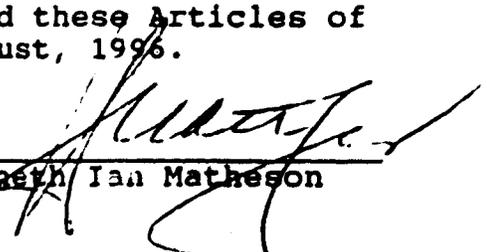
ARTICLE V

INCORPORATOR

Section 5.1. The name and street address of the incorporator signing these Articles of Incorporation is:

NAME	ADDRESS
Kenneth Ian Matheson	2215 Lucerne Circle, Henderson, Nevada 89014

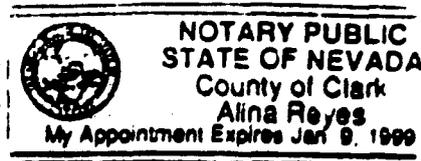
IN WITNESS WHEREOF, I have executed these Articles of Incorporation this 1 st day of August, 1996.


Kenneth Ian Matheson

STATE OF NEVADA)
)
COUNTY OF CLARK) SS:

On August 1, 1996 personally appeared before me, a Notary Public, Kenneth Ian Matheson personally known (or proved) to me to be the person whose name is subscribed to the above instrument who acknowledged that he executed the instrument.

Alina Reyes
Notary Public



FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

AUG 07 1996

DEAN HELLER SECRETARY OF STATE

No. 16831-96

**CERTIFICATE OF ACCEPTANCE
OF APPOINTMENT BY RESIDENT AGENT
IN THE MATTER OF**

VALLEY GOLD CORP.

KENNETH IAN MATHESON hereby certifies that:

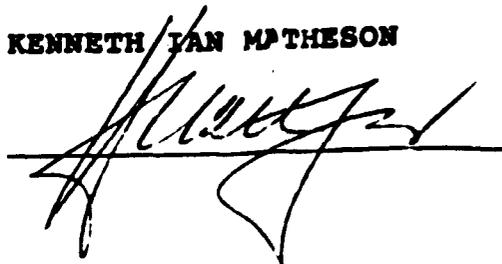
1. He has accepted the appointment as Resident Agent of the above corporation in accordance with Chapter 78, Nevada Revised Statutes; and

2. The registered office of the corporation in this State is located at 2215 Lucerne Circle, Henderson, Nevada 89014, County of Clark, State of Nevada.

IN WITNESS WHEREOF, I have hereunto set my hand this 2 nd day of August, 1996

RESIDENT AGENT

KENNETH IAN MATHESON



Date NV 1/18/96

Titles) / FEES

[Handwritten signatures]

NAME C BOX STREET ADDRESS CITY ST ZIP

DIRECTOR

NAME C BOX STREET ADDRESS CITY ST ZIP

DIRECTOR

NAME C BOX STREET ADDRESS CITY ST ZIP

DIRECTOR

NAME C BOX STREET ADDRESS CITY ST ZIP

TREASURER

ROBERT D. McDougall

NAME C BOX STREET ADDRESS CITY ST ZIP

SECRETARY

Chuck Hager

NAME C BOX STREET ADDRESS CITY ST ZIP

PRESIDENT

Chuck Hager

5.05 FILING FEE: \$85.00 LATE PENALTY: \$15.00

- 1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. List year's prior information has been prepared. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
- 2. If there are additional directors attach a list of them to this form.
- 3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file the form by the deadline indicated at the top of this form.
- 4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
- 5. Return the completed form to Secretary of State, Capitol Complex, Carson City, NV 89710. (702) 687-5105

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE TO RESIDENT AGENT ADDRESS FORM WILL BE SENT.

Valley Gold Corporation
 100 West Grove St Ste 420
 Reno, NV 89509

The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

Valley Gold Corp

NOV 18 1996

FILED (DATE)

FOR OFFICE USE ONLY

23361996

VALLEY GOLD CORP.

168367

BEFORE RECEIVED AUG 15 1997

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

NAME: _____
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____

FILED (DATE)

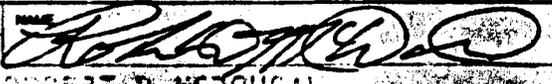
FILED
AUG 15 1997
STATE OF NEVADA

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CORRECTED RESIDENT AGENT ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residential or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED UNSIGNED.
2. If there are additional directors, attach a list of them to the form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 90 days before its due date must be accompanied by a list for the previous year.
4. Make your check payable to the Secretary of State. If you need the below attachment (a stamped, return-addressed, self-addressed, air-speed envelope) to receive a certified copy, enclose a check for an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capital Complex, Carson City, NV 89716, (702) 687-4200.

FILING FEE: \$85.00 PENALTY: \$15.00

NAME		PRESIDENT	
CHUCK AGER	STREET ADDRESS	CITY	STATE
PO BOX	15423 34TH AVE	SURREY	CN NV
NAME		SECRETARY	
CHUCK AGER	STREET ADDRESS	CITY	STATE
PO BOX	15423 34TH AVE	SURREY	CN NV
NAME		TREASURER	
	STREET ADDRESS	CITY	STATE
ROBERT D. MCDUGALL	100 W GROVE ST # 420	RENO	NV
NAME		DIRECTOR	
NAME		DIRECTOR	

Appendix 19 Page 9 of 17 pages
Corporate Data: Valley Gold, Inc.

I hereby certify this annual list.

X Signature of Officer *Please see Above*

Date 8-7-97

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

FILE NUMBER

VALLEY GOLD CORP.

16836-1996

FOR THE PERIOD AUG 1998 TO 1999. DUE BY AUG 31, 1998.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 51696

FOR OFFICE USE ONLY
FILED (DATE)

ROBERT D MCDUGAL
100 W GROVE ST #420
RENO NV 89509

FILED

JUL 21 1998

Dean Heiler
Secretary of State

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5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4786. (702) 687-5203.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME CHUCK AGER	TITLE(S) PRESIDENT
PO BOX	
STREET ADDRESS 17146 - 20th AVE	CITY SURREY B.C. CANADA
	ST V4P 2R9
	ZIP
NAME CHUCK AGER	TITLE(S) SECRETARY
PO BOX	
STREET ADDRESS 17146 - 20th AVE	CITY SURREY B.C. CANADA
	ST V4P 2R9
	ZIP
NAME ROBERT D MCDUGAL	TITLE(S) TREASURER
PO BOX	
STREET ADDRESS 100 W GROVE ST # 420	CITY RENO
	ST NV
	ZIP 89509
NAME	TITLE(S) DIRECTOR
PO BOX	
STREET ADDRESS	CITY
	ST
	ZIP
NAME	TITLE(S) DIRECTOR
PO BOX	
STREET ADDRESS	

Appendix 19

Page 10 of 17 pages

Corporate Data: Valley Gold, Inc.

I hereby certify this annual list.

X Signature of Officer

Charles Ager - Pres.

Date

June 27/98

ANNUAL LIST OF OFFICERS OF

FILE NUMBER

VALLEY GOLD CORP.

16836-1996

FOR THE PERIOD AUG 1999 TO 2000. DUE BY AUG 31, 1999.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 51696

FOR OFFICE USE ONLY
FILED (DATE)

ROBERT D MCDOUGAL

100 W GROVE ST #420
RENO NV 89509

FILED

SEP 03 1999

Deon Miller
Secretary of State

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FILING FEE: \$85.00

PENALTY: \$15.00

NAME CHUCK AGER	TITLE(S) PRESIDENT
P.O. BOX	STREET ADDRESS 17146 20TH AVE
	CITY SURREY BC
	ST. CN
	ZIP V4ZR9 8
NAME CHUCK AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 17146 20TH AVE
	CITY SURREY BC
	ST. CN
	ZIP V4ZR9 8
NAME ROBERT D MCDOUGAL	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 100 W GROVE ST # 420
	CITY RENO
	ST. NV
	ZIP 89509
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS

Appendix 19

Page 11 of 17 pages

Corporate Data: Valley Gold, Inc.

I hereby certify this annual list.

Charles A. Ag...

Aug 7/99

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

VALLEY GOLD CORP.

FILE NUMBER

16836-199

FOR THE PERIOD AUG 2000 TO 2001. DUE BY AUG 31, 2000.
 The Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 51696

FOR OFFICE USE ONLY

FILED (DATE)

RV 05/10/01 JRC au

ROBERT D MCDOUGAL

FILED

100 W GROVE ST #420
 RENO NV 89509

JUN - 5 2001

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Rec'd 50
150

Dean Heller
 Secretary of State

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5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4786 (775) 684-5708

FILING FEE: \$85.00

PENALTY: \$15.00

NAME CHUCK AGER		TITLE(S) PRESIDENT	
P.O. BOX	STREET ADDRESS 17146 20TH AVE	CITY SURREY BC	ST. ZIP CN V4Z8R9 B
NAME CHUCK AGER		TITLE(S) SECRETARY	
P.O. BOX	STREET ADDRESS 17146 20TH AVE	CITY SURREY BC	ST. ZIP CN V4Z8R9 B
NAME ROBERT D MCDOUGAL		TITLE(S) TREASURER	
P.O. BOX	STREET ADDRESS 100 W GROVE ST # 420	CITY RENO	ST. ZIP NV 89509
NAME		TITLE(S) DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP
NAME		TITLE(S) DIRECTOR	
P.O. BOX	STREET ADDRESS	CITY	ST. ZIP

Appendix 19 Page 12 of 17 pages
 Corporate Data: Valley Gold, Inc.

I hereby certify this annual list

Charles Heller

Aug 14 2001

STATE OF NEVADA
SECRETARY OF STATE

CERTIFICATE OF REINSTATEMENT

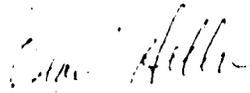
I, **DEAN HELLER**, the duly elected Secretary of State of the State of Nevada, do hereby certify that **VALLEY GOLD CORP.** a corporation formed under the laws of the State of **NEVADA** having paid all filing fees, licenses, penalties and costs, in accordance with the provisions of Title 7 of the Nevada Revised Statutes as amended, for the years and in the amounts as follows:

2000-2001	List of Officers + penalty	\$100.00
-----------	----------------------------	----------

Reinstatement total	\$50.00 \$150.00
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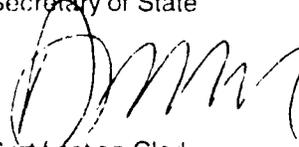
and otherwise complied with the provisions of said section, the said corporation has been reinstated, and that ~~by virtue of such~~ reinstatement it is authorized to transact its business in the same manner as if the aforesaid ~~filing fees, licenses, penalties and costs had been paid when due.~~

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office in Carson City, Nevada, on **June 5, 2001**.



Secretary of State

By



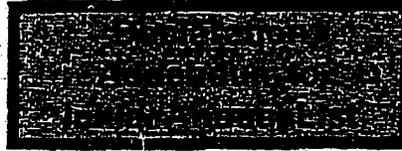
Certification Clerk





DEAN HELLER
Secretary of State

202 North Carson Street
Carson City, Nevada 89701-4201
(775) 684 5708



Office Use Only

FILED - JF

SEP 26 2001

General Instructions for this form:

- 1. Please print legibly or type; Black Ink Only.
- 2. Complete all fields.
- 3. Ensure that document is signed in signature field.

Dean Heller
Secretary of State

**Addendum to Initial/Annual
List for Declaration
(Pursuant to NRS)
- Remit in Duplicate -**

1. Name of Entity:

VALLEY GOLD CORP.

2. File number of Entity:

16836-1996

Declaration:

I declare, to the best of my knowledge, under penalty of perjury, that the above entity has complied with the provision of chapter 364A of NRS.

3. Signature:

TREA.

9/26/01

Signature (as required by NRS for initial/annual lists)

Title

Date

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

VALLEY GOLD CORP.

FILE NUMBER

16836-1996

FOR THE PERIOD AUG 2002 TO 2003. DUE BY AUG 31, 2002.
 Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 51696

ROBERT D MCDOUGAL

100 W GROVE ST #420
 RENO NV 89509

FOR OFFICE USE ONLY

FILED (DATE)

FILED # _____

JUL 22 2002

IN THE OFFICE OF
 DEAN HELLER, SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF
 RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

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 An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.

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Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$50.00

	TITLE(S)
	PRESIDENT

ROBERT D MCDOUGAL	STREET ADDRESS	CITY	ST.	ZIP
	100 W GROVE ST. STE 420	RENO	NV	89509
	17146 SOUTH AVE	SURREY BC	ON	V4Z 9R9 8

	TITLE(S)
	SECRETARY

ROBERT D MCDOUGAL	STREET ADDRESS	CITY	ST.	ZIP
	100 W GROVE ST. STE 420	RENO	NV	89509
	17146 SOUTH AVE	SURREY BC	ON	V4Z 9R9 8

	TITLE(S)
	TREASURER

ROBERT D MCDOUGAL	STREET ADDRESS	CITY	ST.	ZIP
	100 W GROVE ST # 420	RENO	NV	89509

	TITLE(S)
	DIRECTOR

	STREET ADDRESS	CITY	ST.	ZIP

	TITLE(S)
	DIRECTOR

	STREET ADDRESS	CITY	ST.	ZIP

To the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

Robert D. McDougal

Dean Heller

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

VALLEY GOLD CORP.

FILE NUMBER

16836-1996

FOR THE PERIOD AUG 2003 TO 2004. DUE BY AUG 31, 2003.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 51696

ROBERT D MCDOUGAL

100 W GROVE ST #420
RENO NV 89509

FOR OFFICE USE ONLY

FILED (DATE)

135

FILED # _____

SEP 09 2003

IN THE OFFICE OF
Jan Miller
JAN MILLER, SECRETARY OF STATE

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. **FORM WILL BE RETURNED IF UNSIGNED.**
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$50 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$20.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, NV 89701-4201 (775) 684-5708

FILING FEE: \$85.00 PENALTY: \$50.00

NAME	TITLE(S)	STREET ADDRESS	CITY	ST.	ZIP
CHUCK AGER	PRESIDENT	100 W GROVE ST STE 420	RENO	NV	89509 8
CHUCK AGER	SECRETARY	100 W GROVE ST STE 420	RENO	NV	89509 8
ROBERT D MCDOUGAL	TREASURER	100 W GROVE ST # 420	RENO	NV	89509
	DIRECTOR				
	DIRECTOR				

Appendix 19 Page 17 of 17 pages
Corporate Data: Valley Gold, Inc.

I declare to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

X Signature of Officer

Date

Aug 20 2003

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Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BLACK 171 682209

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 173 682210

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 181 682211

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

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BLACK 182 682212

9/7/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 183 682213

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 184 682214

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BLACK 51 682197

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 53 682198

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 61 682199

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

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BLACK 62 682200

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 63 682201

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 64 682202

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

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<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BLACK 71 682203

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 72 682204

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 73 682205

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

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<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BLACK 74 682206

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 81 682207

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLACK 83 682208

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

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BLUE 191 682215

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLUE 192 682216

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLUE 193 682217

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

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<i>BLUE 194 682218</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BLUE 201 682219</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BLUE 202 682220</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>BLUE 203 682221</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BLUE 204 682222</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BLUE 211 682223</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BLUE 212 682224

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLUE 213 682225

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLUE 214 682226

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name *NMC No.*

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>BLUE 291</i> 682227					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BLUE 292</i> 682228					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BLUE 293</i> 682229					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

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BLUE 294 682230

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

BLUE 301 682231

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLUE 302 682232

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

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BLUE 303 682233

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BLUE 304 682234

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Blue 321 804090

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Blue 322 804091

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Blue 323 804092

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Blue 324 804093

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name *NMC No.*

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 10 682150

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 10 682151

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 10 682152

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 10 682153

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 11 682235

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 11 682154

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 11 682155

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

BROWN 11 682156

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

BROWN 11 682157

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 12 682236

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 12 682158

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 12 682159

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 12 682160

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 12 682161

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 13 682237

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 13 682162

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 13 682163

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 13 682164

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>BROWN 14 682238</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BROWN 14 682165</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BROWN 14 682166</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>BROWN 14 682167</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BROWN 14 682168</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>Brown 151 682317</i>					
9/2/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>Brown 152 682318</i>					
9/2/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			
<i>BROWN 15 682169</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>BROWN 15 682170</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 21 682239

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 22 682240

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 23 682241

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 24 682242

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 31 682243

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

BROWN 32 682244

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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BROWN 33 682148

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

BROWN 34 682149

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Gold 51 804094

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation
	Shannon L. Dall	7/7/2000	
	Charlton S. Ager	7/19/2000	
	Caroline I. Ager	7/19/2000	
	Carol J. Ager	7/19/2000	
	Fred J. Toti	7/10/2000	
	George R. Stephen, IV	7/6/2000	
	kathleen M. Stephen	7/6/2000	

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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<i>Gold 62</i>	804095				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

<i>Gold 63</i>	804096				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

<i>Gold 64</i>	804097				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Gold 72

804098

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 191

804099

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 192

804100

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Gray 201 804101

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 202 804102

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 204 804103

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Gray 211 804104

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 212 804105

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 213 804106

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Gray 214 804107

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 281 804108

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 282 804109

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Gray 283 804110

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 284 804111

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 292 804112

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Gray 294 804113

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 331 804114

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 332 804115

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Gray 333 804116

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Gray 334 804117

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

GREEN 221 682171

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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GREEN 222 682172

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 223 682173

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 224 682174

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>GREEN 231 682704</i>					
1/28/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>GREEN 232 682175</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>GREEN 233 682176</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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GREEN 234 682177

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 241 682178

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 242 682179

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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GREEN 243 682180

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 244 682181

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 251 682182

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>GREEN 252 682183</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>GREEN 253 682184</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>GREEN 254 682185</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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GREEN 261 682186

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 263 682187

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 271 682188

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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GREEN 272 682189

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Green 273 804118

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Green 274 804119

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Green 341 804120

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Green 342 804121

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Green 343 804122

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>Green 344 804123</i>					
5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			
<i>GREEN 351 682190</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>GREEN 352 682191</i>					
9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

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Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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GREEN 354 682192

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 361 682193

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 362 682194

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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GREEN 363 682195

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

GREEN 364 682196

9/2/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation	8/15/1996	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Orange 191 804125

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

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Orange 193 804126

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

ORANGE 2 682245

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

ORANGE 2 682246

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

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ORANGE 2 682247

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

ORANGE 2 682248

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

ORANGE 2 682249

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Summary of Transfers of Interest, Subject Association Placer Mining

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ORANGE 2 682250

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

ORANGE 2 682251

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

ORANGE 2 682252

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

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ORANGE 3 682253

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

ORANGE 3 682254

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

ORANGE 3 682255

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

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ORANGE 3 682256

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

ORANGE 3 682257

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

ORANGE 3 682258

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

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ORANGE 3 682259

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

ORANGE 3 682260

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Peach 42 804127

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

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Peach 44 804128

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Peach 92 804129

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Pink 202 682261

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

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Pink 202E 682262

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Pink 211 682263

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Pink 212 682264

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Summary of Transfers of Interest, Subject Association Placer Mining

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Pink 213 682265

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Pink 214 682266

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Pink 281 682267

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

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<i>Pink 282 682268</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>Pink 284 682269</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>Pink 311 804130</i>					
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

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Pink 312 804131

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Pink 323 682270

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Pink 324 682271

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

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<i>Pink 331</i> 804132					
5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			
<i>Pink 332</i> 682272					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>Purple 161</i> 804139					
5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

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Purple 162 804140

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 163 804141

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 164 804142

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

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Purple 171 804143

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 172 804144

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 173 804145

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

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<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Purple 174 804146

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 181 804147

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 182 804148

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Purple 183 804149

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 184 804150

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 41 682273

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Purple 42 682274

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Purple 43 682275

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Purple 44 682276

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation
	Broadway Enterprises, Inc.	8/12/1996	
	Carlwood Development Inc	8/12/1996	
	Geotech Mining Inc.	8/12/1996	
	Pilot Plant Inc.	8/12/1996	
	Crescent Corporation	8/12/1996	
	Mincor Inc.	8/12/1996	
	Camel Inc.	8/12/1996	

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Purple 52 682277

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Purple 53 682278

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Purple 54 682279

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Purple 63 682280

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Purple 64 682281

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Purple 71 682282

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Purple 72 682283

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Purple 73 804133

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 74 804134

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Purple 81 682284

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Purple 82 682285

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc. *	8/12/1996			
	Camel Inc.	8/12/1996			

Purple 83 804135

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
Purple 84 804136					
5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			
Purple 91 682286					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
Purple 92 682287					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Purple 93 804137

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Purple 94 804138

5/2/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Red 221 804151

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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<i>Red 222</i>	804152				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

<i>Red 223</i>	804153				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

<i>Red 224</i>	804154				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Red 231 804155

<i>5/4/1999</i>	Andrew L. Dall	<i>7/11/2000</i>	Cactus Gold Corporation		
	Shannon L. Dall	<i>7/7/2000</i>			
	Charlton S. Ager	<i>7/19/2000</i>			
	Caroline I. Ager	<i>7/19/2000</i>			
	Carol J. Ager	<i>7/19/2000</i>			
	Fred J. Toti	<i>7/10/2000</i>			
	George R. Stephen, IV	<i>7/6/2000</i>			
	kathleen M. Stephen	<i>7/6/2000</i>			

Red 232 804156

<i>5/4/1999</i>	Andrew L. Dall	<i>7/11/2000</i>	Cactus Gold Corporation		
	Shannon L. Dall	<i>7/7/2000</i>			
	Charlton S. Ager	<i>7/19/2000</i>			
	Caroline I. Ager	<i>7/19/2000</i>			
	Carol J. Ager	<i>7/19/2000</i>			
	Fred J. Toti	<i>7/10/2000</i>			
	George R. Stephen, IV	<i>7/6/2000</i>			
	kathleen M. Stephen	<i>7/6/2000</i>			

Red 233 804157

<i>5/4/1999</i>	Andrew L. Dall	<i>7/11/2000</i>	Cactus Gold Corporation		
	Shannon L. Dall	<i>7/7/2000</i>			
	Charlton S. Ager	<i>7/19/2000</i>			
	Caroline I. Ager	<i>7/19/2000</i>			
	Carol J. Ager	<i>7/19/2000</i>			
	Fred J. Toti	<i>7/10/2000</i>			
	George R. Stephen, IV	<i>7/6/2000</i>			
	kathleen M. Stephen	<i>7/6/2000</i>			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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<i>Red 234</i>	804158				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			
<i>Red 241</i>	804159				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			
<i>Red 242</i>	804160				
5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Red 243

804161

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Red 244

804162

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

RED 251

682288

9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>RED 252 682289</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>RED 253 682290</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>RED 254 682291</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>RED 261 682292</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>RED 262 682293</i>					
9/1/1993	Geosearch Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1996			
	Carlwood Development Inc	8/12/1996			
	Geotech Mining Inc.	8/12/1996			
	Pilot Plant Inc.	8/12/1996			
	Crescent Corporation	8/12/1996			
	Mincor Inc.	8/12/1996			
	Camel Inc.	8/12/1996			
<i>RED 263 682294</i>					
9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
RED 264 682295					
9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			
RED 271 682296					
9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			
RED 272 682297					
9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name ***NMC No.***

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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RED 273 682298

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

RED 274 682299

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

RED 341 682300

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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RED 342 682301

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

RED 343 682302

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

RED 344 682303

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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RED 351 682304

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

RED 352 682305

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

RED 353 682306

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>RED 354 682307</i>					
9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			
<i>RED 361 682308</i>					
9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			
<i>RED 362 682309</i>					
9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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RED 363 682310

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

RED 364 682311

9/1/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Yellow 101 804171

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Yellow 102 804172

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 103 804173

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 104 804174

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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YELLOW 1 682312

9/2/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation	8/15/1998	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Yellow 111 804175

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 112 804176

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Yellow 113 804177

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 114 804178

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 121 804179

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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YELLOW 1 682314

9/2/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation		
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Yellow 123 804180

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 124 804181

5/4/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Yellow 13 804163

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 21 804164

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

YELLOW 2 682313

9/2/1993	Geosearch, Inc.	8/12/1996	Cactus Gold Corporation	8/15/1998	Valley Gold Corporation
	Broadway Enterprises, Inc.	8/12/1994			
	Carlwood Development, In	8/12/1993			
	Geotech Mining, Inc.	8/12/1993			
	Pilot Plant, Inc.	8/12/1993			
	Crescent Corporation	8/12/1993			
	Mincor, Inc.	8/12/1993			
	Camel, Inc.	8/12/1993			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
<i>Yellow 23 804165</i>					
5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			
<i>Yellow 24 804166</i>					
5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			
<i>Yellow 31 804167</i>					
5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Summary of Transfers of Interest, Subject Association Placer Mining

Claim Name NMC No.

<i>Location Date</i>	<i>Claimants</i>	<i>Transfer of Int Date</i>	<i>Claimant after Transfer</i>	<i>2nd Transfer of Int Date</i>	<i>Claimant(s) after 2nd Transfer</i>
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Yellow 32 804168

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 33 804169

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

Yellow 34 804170

5/3/1999	Andrew L. Dall	7/11/2000	Cactus Gold Corporation		
	Shannon L. Dall	7/7/2000			
	Charlton S. Ager	7/19/2000			
	Caroline I. Ager	7/19/2000			
	Carol J. Ager	7/19/2000			
	Fred J. Toti	7/10/2000			
	George R. Stephen, IV	7/6/2000			
	kathleen M. Stephen	7/6/2000			

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NOTICE AND CERTIFICATE OF LOCATION
PLACER MINING CLAIM

TO ALL WHOM IT MAY CONCERN:

The undersigned hereby certify that they have caused to be located the GREEN 243 placer mining claim in the SW Quarter, Section 24, Township 27 S., Range 63 E., MDB&M, in the Searchlight Mining District, Clark County, State of Nevada, on the 2 day of September, 1993.

The names and addresses of the locators are:

cm/blm

- Geotech Mining Inc. 2215 Lucerne Circle, Henderson, NV 89014
- Pilot Plant Inc. 2215 Lucerne Circle, Henderson, NV 89014
- Crescent Corporation 2245 N. Green Valley Pky., Henderson, NV 89014
- Carlwood Development Inc. 2245 N. Green Valley Pky., Henderson, NV 89014
- Mincor Inc. 2215 Lucerne Circle, Henderson, NV 89014
- Geosearch Inc. 2215 Lucerne Circle, Henderson, NV 89014
- Camel Inc. 2245 N. Green Valley Pky., Henderson, NV 89014
- Broadway Enterprises, Inc. 2245 N. Green Valley Pky., Henderson, NV 89014

The number of acres claimed is 160.

The location monument stands at the northwest corner of the claim, at which point a copy of this Notice and Certificate of Location was duly posted.

The area claimed consists of the SW 1/4 of Section 24, Township 27 S., Range 63 E., MDB&M and is taken by legal subdivisions of a Public Land Surveys.

The area claimed is shown on the claim map filed with the county recorder. The location work consisted of making the claim map as provided in NRS 517.100.

Dated and signed this 2 day of September, 1993.

- GEOTECH MINING INC. MINCOR INC.
- PILOT PLANT INC. GEOSEARCH INC.
- CRESCENT CORPORATION CAMEL INC.
- CARLWOOD DEVELOPMENT INC. BROADWAY ENTERPRISES, INC.

N.M.C.
682180

By: [Signature]
DONALD J. HAYES, Agent for Locators
5021 West 1500 North
Plain City, Utah 84404

RETURN TO: Pilot Plant Inc.
2215 Lucerne Circle
Henderson, NV 89014

RECEIVED
Bur. of Land Management
9:00 AM OCT 13 1993
NEVADA STATE OFFICE
RENO, NEVADA
BLM
NEVADA STATE OFFICE
PH 3:18

RECEIVED
Bur. of Land Management

9:00 AM OCT-13 93

CLARK COUNTY, NEVADA
JOAN L. SWIFT, RECORDER
RECORDED AT REQUEST OF
PILOT PLANT INC
09-03-93 10:01 ISJ
BOOK: 930903 INST: 00661
FEE: 7.50 RPT: 00
CONFIRMED COPY HAS NOT BEEN COMPARED TO THE ORIGINAL

930903

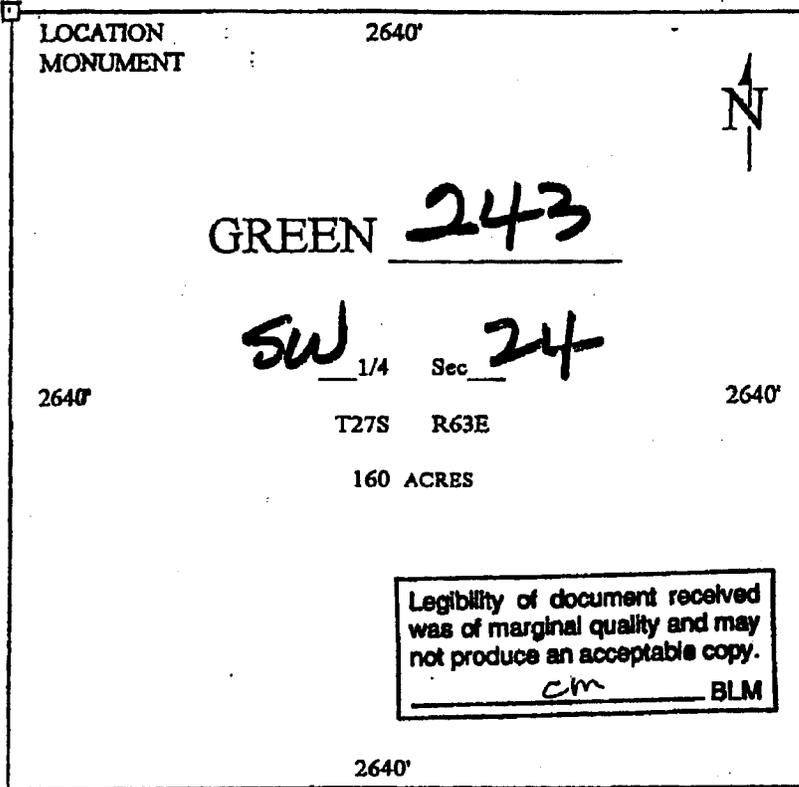
00660

PLACER MINING CLAIM MAP

SCALE: 1" = 500'

B.L.M.
NEVADA STATE OFFICE
93 OCT 13 PM 3:18

N.M.C.
682180



MAP OF THE GREEN 243 PLACER MINING CLAIM IN SECTION 24
TOWNSHIP 27S, RANGE 63E, MDB&M, IN THE SEARCHLIGHT MINING
DISTRICT, CLARK COUNTY, NEVADA.

LOCATED ON SEPT 2 1993 BY [Signature]
DONALD J. HALES, Agent for Locators
3021 West 1500 North, Plain City, Utah 84104

- LOCATORS:
- GEOTECH MINING INC., 2215 Lucerne Circle, Henderson, NV 89014
 - PILOT PLANT INC., 2215 Lucerne Circle, Henderson, NV 89014
 - CRESCENT CORPORATION, 2245 N. Green Valley Pky, Henderson, NV 89014
 - CARLWOOD DEVELOPMENTS INC., 2245 N. Green Valley Pky, Henderson, NV 89014
 - MINCOR INC., 2215 Lucerne Circle, Henderson, NV 89014
 - GEOSARCH INC., 2215 Lucerne Circle, Henderson, NV 89014
 - CAMEL INC., 2245 N. Green Valley Pky, Henderson, NV 89014
 - BROADWAY ENTERPRISES INC., 2245 N. Green Valley Pky, Henderson, NV 89014

RETURN TO: PILOT PLANT INC.
2215 LUCERNE CIRCLE
HENDERSON, NV 89014

Appendix 21 Page 2of 34 pages
Mining Claim Location and Administrative
Record Documents

RECEIVED
Bur. of Land Management
8:00 A.M. OCT 13 1993
NEVADA STATE OFFICE
RENO, NEVADA

NO. 00660
FILED AT THE REQUEST OF
PILOT PLANT INC
Date 09-03-93 at 10:01 M
FILE 64 PAGE 76
CLERK BLM
REC'D BY BLM FOR THE
CLARK COUNTY, NEVADA, RECORDS
JOAN L. SWIFF, RECORDER
Fw's 160.00 ISJ/BSB Deputy

MINING MAP
File 64 Page 76

NOTICE AND CERTIFICATE OF LOCATION
PLACER MINING CLAIM

TO ALL WHOM IT MAY CONCERN:

The undersigned hereby certify that they have caused to be located the BLUE 204 placer mining claim in the SE Quarter, Section 20, Township 27 S., Range 64 E., MDB&M, in the Searchlight Mining District, Clark County, State of Nevada, on the 1 day of September, 1993.

The names and addresses of the locators are:

Broadway Enterprises, Inc.	2245 N. Green Valley Pky., Henderson, NV	89014
Carlwood Development Inc.	2245 N. Green Valley Pky., Henderson, NV	89014
Geotech Mining Inc.	2215 Lucerne Circle, Henderson, NV	89014
Pilot Plant Inc.	2215 Lucerne Circle, Henderson, NV	89014
Crescent Corporation	2245 N. Green Valley Pky., Henderson, NV	89014
Mincor Inc.	2215 Lucerne Circle, Henderson, NV	89014
Geosearch Inc.	2215 Lucerne Circle, Henderson, NV	89014
Camel Inc.	2245 N. Green Valley Pky., Henderson, NV	89014

The number of acres claimed is 160.

The location monument stands at the northwest corner of the claim, at which point a copy of this Notice and Certificate of Location was duly posted.

The area claimed consists of the SE 1/4 of Section 20, Township 27 S., Range 64 E., MDB&M and is taken by legal subdivisions of the Public Land Surveys.

The area claimed is shown on the claim map filed with the county recorder. The location work consisted of making the claim map as provided in NRS 517.100.

Dated and signed this 1 day of September, 1993.

BROADWAY ENTERPRISES, INC.	CRESCENT CORPORATION
CARLWOOD DEVELOPMENT INC.	MINCOR INC.
GEOTECH MINING INC.	GEOSEARCH INC.
PILOT PLANT INC.	CAMEL INC.

N.M.C.
682222

By: Kathleen M. Stephen
Kathleen M. Stephen, Agent for Locators
P.O. Box 1237
Searchlight, NV 89046

RECEIVED
Bur. of Land Management

9:00
A.M. OCT-13 93

NEVADA STATE OFFICE
RENO, NEVADA

NEVADA STATE OFFICE
B.L.M.
93 OCT 13 PM 4:46

RETURN TO: Pilot Plant Inc.
2215 Lucerne Circle
Henderson, NV 89014

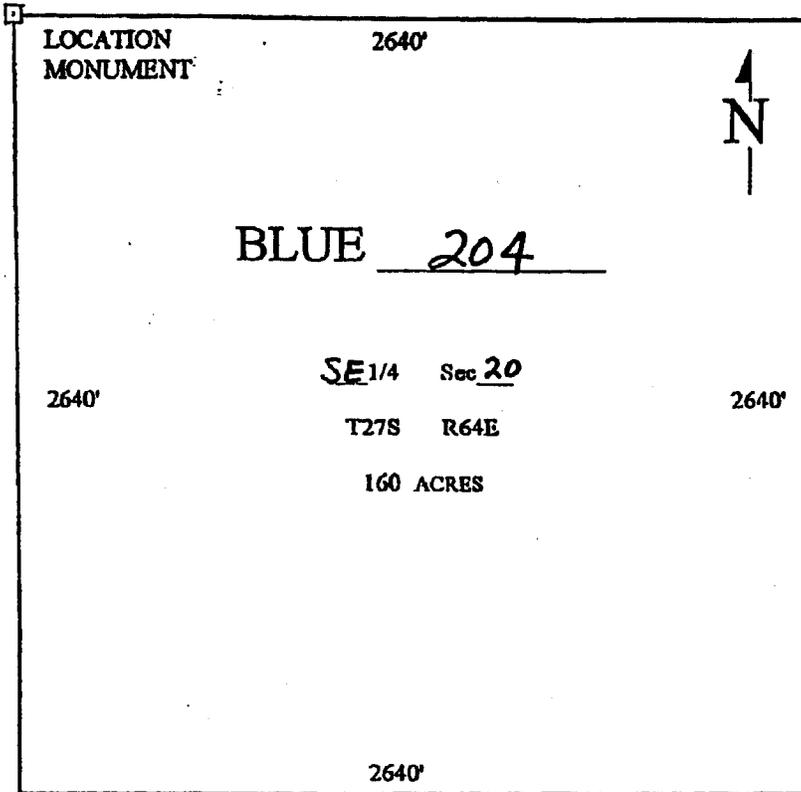
CLARK COUNTY, NEVADA
JOAN L. SWIFT, RECORDER
RECORDED AT REQUEST OF:
.OT PLANT INC.
09-03-93 14:33 NE1 1
BOOK: 930903 INST: 00987
FEE: 7.50 RPTT: .00
CERT. LOCATION MM 065 0018
CONFORMED COPY HAS NOT BEEN COMPARED TO THE ORIGINAL

930903

00986

PLACER MINING CLAIM MAP

SCALE: 1" = 500'



BLM OFFICE
NEVADA STATE OFFICE
93 OCT 13 PM 4:46

N.M.C.
682222

MAP OF THE BLUE 204 PLACER MINING CLAIM IN SECTION 20
TOWNSHIP 27S, RANGE 64E, MDB&M, IN THE SEARCHLIGHT MINING
DISTRICT, CLARK COUNTY, NEVADA.

LOCATED ON Sept. 1, 1993 BY Kathleen M. Stephen
KATHLEEN M. STEPHEN, Agent for Locators
P.O. Box 1237, Searchlight, NV 89046

LOCATORS:

- BROADWAY ENTERPRISES INC., 2245 N. Green Valley Pky, Henderson, NV 89014
- CARLWOOD DEVELOPMENTS INC., 2245 N. Green Valley Pky, Henderson, NV 89014
- GEOTECH MINING INC., 2215 Lucerne Circle, Henderson, NV 89014
- PILOT PLANT INC., 2215 Lucerne Circle, Henderson, NV 89014
- CRESCENT CORPORATION, 2243 N. Green Valley Pky, Henderson, NV 89014
- MINCOR INC., 2215 Lucerne Circle, Henderson, NV 89014
- GEOSARCI INC., 2215 Lucerne Circle, Henderson, NV 89014
- CAMEL INC., 2245 N. Green Valley Pky, Henderson, NV 89014

00986

Pilot Plant Inc.
9-3-93 14:33
65 18

RETURN TO: PILOT PLANT INC.
2215 LUCERNE CIRCLE
HENDERSON, NV 89014

Appendix 21 Page 4 of 34 pages
Mining Claim Location and Administrative
Record Documents

930903

Legibility of document received
was of marginal quality and may
not produce an acceptable copy.
cm BLM

Fee \$ 160 Ref. No. Fee by

Page 65 of 18

**NOTICE AND CERTIFICATE OF LOCATION
PLACER MINING CLAIM LOCATED BY THE ALIQUOT
PART OF THE RECTANGULAR SURVEY**

TO ALL WHOM IT MAY CONCERN:

The undersigned hereby certifies that they have caused to be located the Gray 333 Placer Mining Claim in the following quarter section(s):

<u>Quarter</u> SW¹/₄	<u>Section</u> 33	<u>Township</u> 27S	<u>Range</u> 63E	<u>Meridian</u> MDBM
in <u>Clark</u> County, Nevada, on the <u>3</u> day of <u>May</u> , 1999.				

The monument of location is located at the NW corner (northerly boundary) of the Claim, at which point this Notice and Certificate of Location was duly posted.

The names and addresses of the locators are:

Andrew L. Dall	P. O. Box 1611	GLOBE, AZ 85502
Shannon L. Dall	P. O. Box 1611	GLOBE, AZ 85502
Charlton S. Ager	6618 Copper Ann Drive	SPARKS, NV 89436
Caroline I. Ager	6618 Copper Ann Drive	SPARKS, NV 89436
Carol J. Ager	6618 Copper Ann Drive	SPARKS, NV 89436
Fred J. Toti	6618 Copper Ann Drive	SPARKS, NV 89436
George R. Stephen IV	P. O. Box 826	SEARCHLIGHT, NV 89046
Kathleen M. Stephen	P. O. Box 38	SEARCHLIGHT, NV 89046

604116

The Placer Claim is approximately 2,640 feet in the east - west direction and 2,640 feet in the north-south direction, being the SW¹/₄ (legal subdivision) of the above described section. Said Placer Claim contains 160 acres, more or less.

The work of location consisted of making a claim map as provided in NRS 517.100.

Dated this 3 day of May, 1999.

Recorder's Stamp

SIGNATURE OF LOCATOR:

NMC804116

By A. L. Dall
A. L. Dall (Locator)

CLARK COUNTY, NEVADA
JUDITH A. VANDEVER, RECORDER
RECORDED AT REQUEST OF:

A DALL

When recorded mail to:

Andrew L. Dall
P. O. Box 1611
Globe, AZ 85502
RECEIVED

05-05-99 10:18 DB1 1
BOOK: 990505 INST: 00661

FEE: 9.50 RPTT: .00
CERT LOCATION MM 074 0043
CONFORMED COPY HAS NOT BEEN COMPARED TO THE ORIGINAL

Bur. of Land Management

8:00 A.M. MAY 07 99

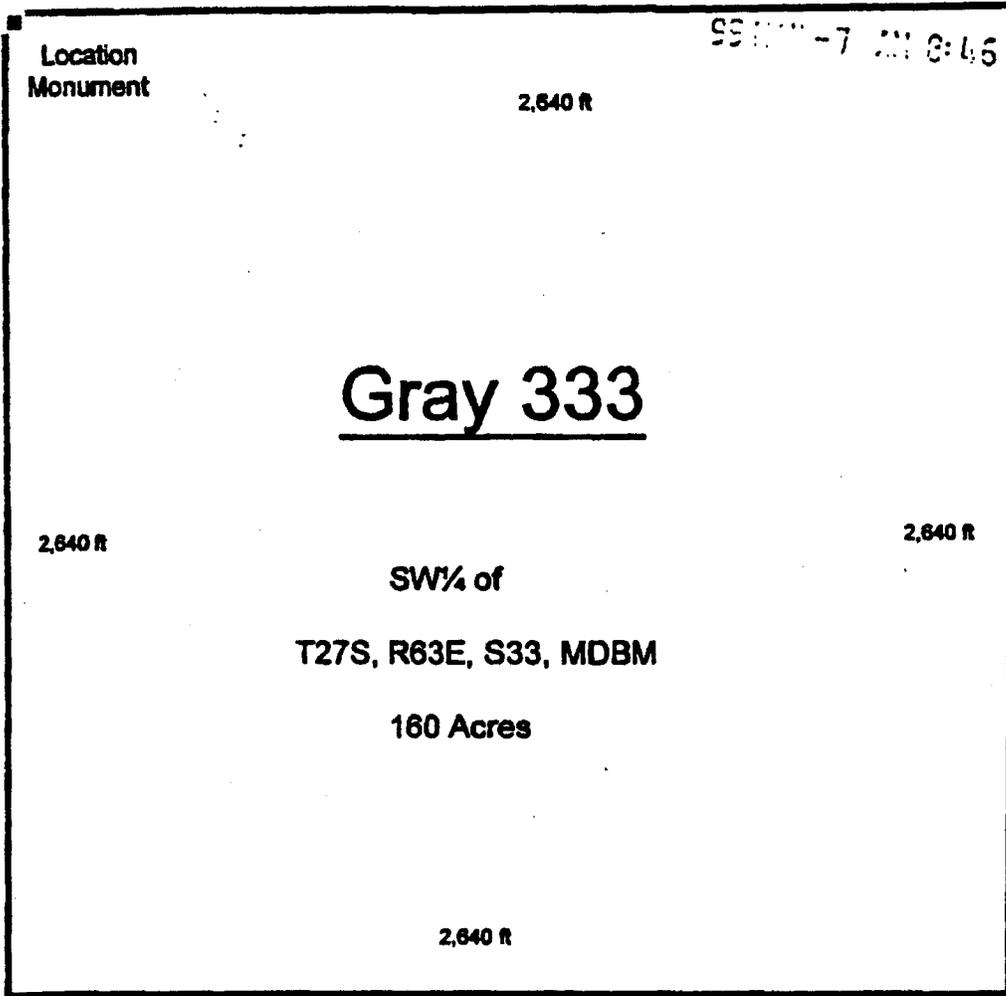
NEVADA STATE OFFICE
DENVER, NEVADA

990505

00643

Placer Mining Claim Map

Scale 1" = 500 ft.



NEVADA HMC
 ON VENDOR
 ON VENDOR
 ON VENDOR

Ch/Ber

The Placer Mining Claim Map above represents the below listed mining claims, part of the "Gray" group of claims:

Claim # Gray 333, in the SW 1/4 of Section 33, T27S, R63E, MDBM Clark Co., Nevada

Located on May 3, 1999 by A. L. Dall (Locator)

NMC804116

Locators:

Andrew L. Dall
 Shannon L. Dall
 Charlton S. Ager
 Caroline I. Ager
 Carol J. Ager
 Fred J. Toti
 George R. Stephen IV
 Kathleen M. Stephen

P. O. Box 1611, GLOBE, AZ 85502
 P. O. Box 1611, GLOBE, AZ 85502
 6618 Copper Ann Drive, SPARKS, NV 89436
 P. O. Box 826, SEARCHLIGHT, NV 89046
 P. O. Box 38, SEARCHLIGHT, NV 89046

RECEIVED
 Bur. of Land Management

8:00 A.M. MAY 07 99

NEVADA STATE OFFICE
 RENO, NEVADA

When Recorded return to:

Andrew L. Dall
 P. O. Box 1611
 Globe, AZ 85502

Appendix 21
 Mining Claim Location and Administrative
 Record Documents

Page 6 of 34 pages

Sheet 18 of 19

MINING MAP
 File 74 Page 43

TO: PAM REYNOLDS
 BUREAU OF LAND MANAGEMENT
 P.O. BOX 12000,
 RENO, NEVADA 89520

FROM: IAN MATHESON
 2215 LUCERNE CIRCLE,
 HENDERSON, NEVADA, 89014

DATE: SEPTEMBER 20, 1993

RE: NEW PLACER MINING CLAIMS FILED

682148
 N.M.C.
 — 682318
 N.M.C.

ENCLOSED PLEASE FIND A COPY OF OUR 1993 STAKING CONTROL LISTS FOR PLACER MINING CLAIMS STAKED AT THE BEGINING OF THE MONTH.

NUMBER OF CLAIMS STAKED	PAGE	1.	49	
		2.	48	
		3.	49	
		4.	25	

TOTAL CLAIMS		171	x \$ 135 = \$ 23,085	-----

NEVADA STATE OFFICE
 B.L.M. OFFICE
 93 OCT 13 PM 6:08

I HAVE ENCLOSED CHECK # 1749 FROM PILOT PLANT INC IMPREST ACCOUNT FOR \$ 23, 085.00 ALONG WITH A COPY OF THE NOTICE OF LOCATION AND THE MAP FOR EACH OF THE 171 CLAIMS FILED AT THE CLARK COUNTY RECORDERS OFFICE.

I TRUST YOU WILL FIND THIS IN ORDER.

RECEIVED
 Bur. of Land Management
 9:00 A.M. OCT 13 93
 NEVADA STATE OFFICE
 RENO, NEVADA

YOURS VERY TRULY,

[Handwritten Signature]
 IAN MATHESON

P.S. Would you please return me a copy with the BLM receipt.

RECEIVED
 Bur. of Land Management

9:00 A.M. OCT 13 93

NEVADA STATE OFFICE
 RENO, NEVADA

*Thanks -
 Ian*

TO: THE UNITED STATE DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 NEVADA STATE OFFICE
 850 HARVARD WAY
 P.O. BOX 12000, RENO, NEVADA 89520 - 0006

FROM: K. I. MATHESON,
 PRESIDENT,
 PILOT PLANT INC.,
 2215 LUCERNE CIRCLE,
 HENDERSON, NEVADA 89014

DATE: AUGUST 26, 1994

ENCLOSED PLEASE FIND THE FOLLOWING CHECK FOR THE RENTAL
 FEES FOR THE CLAIMS LOCATED IN THE ELDORADO VALLEY AS LISTED
 ON THE FOLLOWING SCHEDULES.

PILOT PLANT INC. IMPREST CHECK #2168 FOR \$ 17,900

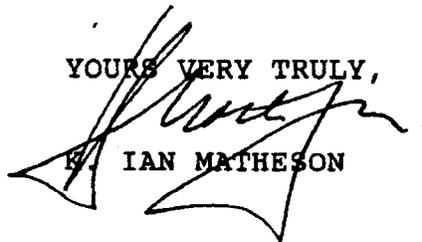
TOTAL CHECKS \$ 17,900

SUMMARY OF ELDORADO CLAIMS		
PAGE	NAME/CLAIM	NUMBER/CLAIMS
1	BROWN	35
2	BLACK	18
3	BLUE	20
	GREEN	27
4	ORANGE	20
	PINK	12
5	PURPLE	15
6	RED	24
	YELLOW	3
		--
		174
7	CHRISSIE	1
8	ARENA	4

		179 X 100 = \$ 17,900

I TRUST YOU WILL FIND THIS IN ORDER.

YOURS VERY TRULY,



IAN MATHESON

RECEIVED
 Bur. of Land Management
 9:00
 A.M. AUG 26 1994
 NEVADA STATE OFFICE
 RENO, NEVADA

TO: THE UNITED STATE DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEVADA STATE OFFICE
850 HARVARD WAY
P.O. BOX 12000, RENO, NEVADA 89520 - 0006

FROM: K. I. MATHESON
PRESIDENT,
PILOT PLANT INC.,
2215 LLUCERNE CIRCLE,
HENDERSON, NEVADA 89014

1995-1996 RENTAL FEES.

DATE: AUGUST 24, 1995 FILE: C-DR ELDSUM

ENCLOSED PLEASE FIND THE FOLLOWING CHECK FOR THE RENTAL FEES FOR THE CLAIMS LOCATED IN THE ELDERADO VALLEY AS LISTED ON THE FOLLOWING SCHEDULES:

PILOT PLANT INC. IMPREST CHECK # 2494 FOR \$17,500

SUMMARY OF ELDERADO CLAIMS

PAGE	NAME OF CLAIM	NUMBER/CLAIMS	
1	BROWN	35	
2	BLACK	18	
3	BLUE	20	
	GREEN	27	
4	ORANGE	20	
	PINK	12	
5	PURPLE	15	
6	RED	24	
	YELLOW	3	
7	CHRISSIE	1	
	TOTAL	175	X \$ 100 = \$ 17,500

I TRUST YOU WILL FIND THIS IN ORDER.

RECEIVED
Bur. of Land Management

9:00
A.M. AUG 25 95

NEVADA STATE OFFICE
RENO, NEVADA

YOURS VERY TRULY,

[Signature]
K. IAN MATHESON

Appendix 21

Mining Claim Location and Administrative
Record Documents

Page 9 of 34 pages

: THE UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEVADA STATE OFFICE
850 HARVARD WAY
P.O. BOX 12000,
RENO, NEVADA 89520 - 0006

FROM: K. I. MATHESON,
PRESIDENT
PILOT PLANT INC
2215 LUCERNE CIRCLE,
HENDERSON, NEVADA 89014

DATE: AUGUST 12, 1996 FILE: RENT FEES ELDORADO

ENCLOSED PLEASE FIND THE FOLLOWING CHECK FOR THE RENTAL FEES
FOR THE CLAIMS LOCATED IN THE ELDORADO VALLEY AS LISTED ON
THE FOLLOWING SCHEDULES:

PILOT PLANT INC., IMPREST CHECK # 2802 FOR \$ 17,900.

SUMMARY OF ELDORADO CLAIMS:

PAGE	NAME OF CLAIMS	NUMBER/CLAIMS
1	BROWN	35
2	BLACK	18
3	BLUE	20
	GREEN	27
4	ORANGE	20
	PINK	12
5	PURPLE	15
6	RED	24
	YELLOW	3
7	CHRISSIE	1
8	POWELL	4
	TOTAL	179 X \$ 100 = \$ 17,900

I TRUST YOU WILL FIND THIS IN ORDER.

YOURS VERY TRULY

K. I. MATHESON

96 AUG 21 AM 9:44

RCVD NSO BLM

BLM - COPY RECORDED FIRST
+ CACTUS TO VALLEY

TO: JOSEPHINE FAX 702 785 6606
BUREAU OF LAND MANAGEMENT TEL 702 785 6500
RENO, NEVADA

FROM: IAN MATHESON FAX 702 451 4939
2215 LUCERNE CIRCLE, TEL 702 451 4981
HENDERSON, NEVADA 89014

DATE: AUGUST 16, 1996 FILE #4CORRBLM

RE: QUIT CLAIMS FROM THE FOLLOWING LOCATORS TO
CACTUS GOLD CORP:

1. PILOT PLANT INC.
2. GEOSearch INC.
3. GEOTECH MINING INC.
4. MINCOR INC.
5. CARLWOOD DEVELOPMENT INC.
6. CAMEL INC.
7. BROADWAY ENTERPRISES INC.
8. CRESCENT CORPORATION

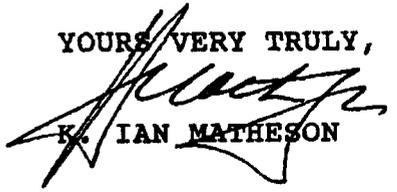
EACH LOCATOR IS QUIT CLAIMING 174 CLAIMS TO CACTUS GOLD CORP
INC.

2799

I HAVE ENCLOSED A CHECK FOR 174 CLAIMS X \$ 40 = \$ 6,960.

I TRUST YOU WILL FIND THIS IN ORDER.

YOURS VERY TRULY,


K. IAN MATHESON

RECEIVED
Bur. of Land Management

9:00
A.M. AUG 21 96

NEVADA STATE OFFICE
RENO, NEVADA

DEED TO PLACER MINING CLAIMS

THIS DEED TO PLACER MINING CLAIMS is made and delivered this 17 day of August 1994 by, Pilot Plant Inc. a Nevada Corporation (Grantor) to Cactus Gold Corp., a Nevada Corporation Grantee).

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada except for retaining certain royalty interests in said claims;

NOW, THEREFORE, in consideration of Ten Dollars and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, release and convey unto Grantee, and its assigns all Grantor's rights, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference except for royalty interests from the production of minerals from the claims which interest grantor specifically retains as set forth in a separate agreement between the parties dated even date herewith.

SUBJECT TO THE ROYALTY INTERESTS previously described, Grantee to have and to hold Grantor's interest in said claims, together with all and singularly the appurtenances and privileges thereunto belonging or anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantor's interest either in law or in equity, to its use and benefit and all such rights shall accrue to the use and benefit of the said Grantee and its assigns forever.

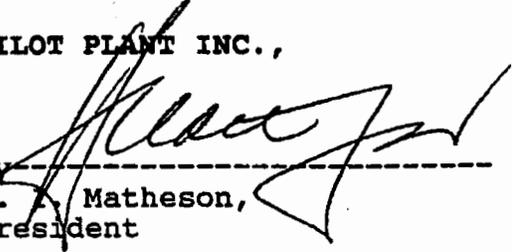
GRANTOR has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to make it recordable and sustaining.

RECEIVED
Bur. of Land Management
9:00
A.M. AUG 21 96
NEVADA STATE OFFICE
RENO, NEVADA

IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claims on the date first above written.

GRANTOR

PILOT PLANT INC.,

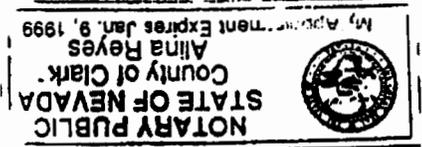
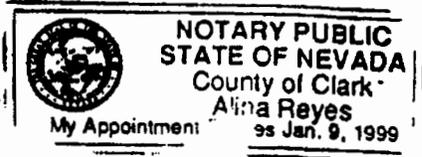
By 
K. I. Matheson,
President

ACKNOWLEDGEMENTS

STATE OF Nevada,
COUNTY OF Clark } s.s.

On August 5th 1996, personally appeared before me, a Notary Public K. I. Matheson who is known to me and identified himself to me and did subscribe and acknowledged that he executed the above deed as President of Pilot Plant Inc.


Notary Public



RECEIVED
Bur. of Land Management
9:00 A.M. AUG 21 96
NEVADA STATE OFFICE
RENO, NEVADA

EXHIBIT A

ELDORADO PROJECT PLACER CLAIMS

PAGE 1

	CLAIM NAME		LEGAL DESCRIPTION		NMC #
1.	BROWN	011	NW 1/4	S 01 T 27S R63E	682235
2.		012	NE 1/4		682236
3.		013	SW 1/4		682237
4.		014	SE 1/4		682238
5.		021	NW 1/4	S 02 T 27S R63E	682239
6.		022	NE 1/4		682240
7.		023	SW 1/4		682241
8.		024	SE 1/4		682242
9.		031	NW 1/4	S 03 T 27S R63E	682243
10.		032	NE 1/4		682244
11.		033	SW 1/4		682148
12.		034	SE 1/4		682149
13.		101	NW 1/4	S 10 T 27S R63E	682150
14.		102	NE 1/4		682151
15.		103	SW 1/4		682152
16.		104	SE 1/4		682153
17.		111	NW 1/4	S 11 T 27S R63E	682154
18.		112	NE 1/4		682155
19.		113	SW 1/4		682156
20.		114	SE 1/4		682157
21.		121	NW 1/4	S 12 T 27S R63E	682158
22.		122	NE 1/4		682159
23.		123	SW 1/4		682160
24.		124	SE 1/4		682161
25.		131	NW 1/4	S 13 T 27S R63E	682162
26.		133	SW 1/4		682163
27.		134	SE 1/4		682164
28.		141	NW 1/4	S 14 T 27S R63E	682165
29.		142	NE 1/4		682166
30.		143	SW 1/4		682167
31.		144	SE 1/4		682168
32.		151	NW 1/4	S 15 T 27S R63E	682317
33.		152	NE 1/4		682318
34.		153	SW 1/4		682169
35.		154	SE 1/4		682170

Appendix 21 Page 14 of 34 pages
Mining Claim Location and Administrative
Record Documents

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A.M. AUG 21 96

NEVADA STATE OFFICE
RENO, NEVADA

ELDORADO PROJECT PLACER CLAIMS

PAGE 2

	CLAIM NAME		LEGAL DESCRIPTION	NMC #
1.	BLACK	051	NW 1/4 S 05 T 27S R64E	682197
2.		053	SW 1/4	682198
3.		061	NW 1/4 S 06 T 27S R64E	682199
4.		062	NE 1/4	682200
5.		063	SW 1/4	682201
6.		064	SE 1/4	682202
7.		071	NW 1/4 S 07 T 27S R64E	682203
8.		072	NE 1/4	682204
9.		073	SW 1/4	682205
10.		074	SE 1/4	682206
11.		081	NW 1/4 S 08 T 27S R64E	682207
12.		083	SW 1/4	682208
13.		171	NW 1/4 S 17 T 27S R64E	682209
14.		173	SW 1/4	682210
15.		181	NW 1/4 S 18 T 27S R64E	682211
16.		182	NE 1/4	682212
17.		183	SW 1/4	682213
18.		184	SE 1/4	682214
1.	BLUE	191	NW 1/4 S 19 T 27S R64E	682215
2.		192	NE 1/4	682216
3.		193	SW 1/4	682217
4.		194	SE 1/4	682218
5.		201	NW 1/4 S 20 T 27S R64E	682219
6.		202	NE 1/4	682220
7.		203	SW 1/4	682221
8.		204	SE 1/4	682222
9.		211	NW 1/4 S 21 T 27S R64E	682223
10.		212	NE 1/4	682224
11.		213	SW 1/4	682225
12.		214	SE 1/4	682226

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 NEVADA STATE OFFICE
 RENO, NEVADA

ELDORADO PROJECT PLACER CLAIMS

PAGE 3

	CLAIM NAME		LEGAL DESCRIPTION	NMC #
13.	BLUE	291	NW 1/4 S 29 T 27S R64E	682227
14.		292	NE 1/4	682228
15.		293	SW 1/4	682229
16.		294	SE 1/4	682230
17.		301	NW 1/4 S 30 T 27S R64E	682231
18.		302	NE 1/4	682232
19.		303	SW 1/4	682233
20.		304	SE 1/4	682234
1.	GREEN	221	NW 1/4 S 22 T 27S R63E	682171
2.		222	NE 1/4	682172
3.		223	SW 1/4	682173
4.		224	SE 1/4	682174
5.		231	NW 1/4 S 23 T 27S R63E	682704
6.		232	NE 1/4	682175
7.		233	SW 1/4	682176
8.		234	SE 1/4	682177
9.		241	NW 1/4 S 24 T 27S R63E	682178
10.		242	NE 1/4	682179
11.		243	SW 1/4	682180
12.		244	SE 1/4	682181
13.		251	NW 1/4 S 25 T 27S R63E	682182
14.		252	NE 1/4	682183
15.		253	SW 1/4	682184
16.		254	SE 1/4	682185
17.		261	NW 1/4 S 26 T 27S R63E	682186
18.		263	SW 1/4	682187
19.		271	NW 1/4 S 27 T 27S R63E	682188
20.		272	NE 1/4	682189
21.		351	NW 1/4 S 35 T 27S R63E	682190
22.		352	NE 1/4	682191
23.		354	SE 1/4	682192
24.		361	NW 1/4 S 36 T 27S R63E	682193
25.		362	NE 1/4	682194
26.		363	SW 1/4	682195
27.		364	SE 1/4	682196

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Bur. of Land Management

9:00
A.M. AUG 21 96

NEVADA STATE OFFICE
RENO, NEVADA

ELDORADO PROJECT PLACER CLAIMS

PAGE 4

	CLAIM NAME		LEGAL DESCRIPTION		NMC #
1.	ORANGE	281	NW 1/4	S 28 T 26S R64E	682245
2.		282	NE 1/4		682246
3.		283	SW 1/4		682247
4.		284	SE 1/4		682248
5.		291	NW 1/4	S 29 T 26S R64E	682249
6.		292	NE 1/4		682250
7.		293	SW 1/4		682251
8.		294	SE 1/4		682252
9.		301	NW 1/4	S 30 T 26S R64E	693709
10.		302	NE 1/4		693710
11.		303	SW 1/4		693711
12.		304	SE 1/4		693712
13.		311	NW 1/4	S 31 T 26S R64E	682253
14.		312	NE 1/4		682254
15.		313	SW 1/4		682255
16.		314	SE 1/4		682256
17.		321	NW 1/4	S 32 T 26S R64E	682257
18.		322	NE 1/4		682258
19.		323	SW 1/4		682259
20.		324	SE 1/4		682260
1.	PINK	202	NE 1/4	S 20 T 26S R63E	682261
2.		204	E1/2SE1/4		682262
3.		211	NW 1/4	S 21 T 26S R63E	682263
4.		212	NE 1/4		682264
5.		213	SW 1/4		682265
6.		214	SE 1/4		682266
7.		281	NW 1/4	S 28 T 26S R63E	682267
8.		282	NE 1/4		682268
9.		284	SE 1/4		682269
10.		323	SW 1/4	S 32 T 26S R63E	682270
11.		324	SE 1/4		682271
12.		332	NE 1/4	S 33 T 26S R63E	682272

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Bur. of Land Management

9:00
A.M. AUG 21 96.

NEVADA STATE OFFICE
RENO, NEVADA

ELDORADO PROJECT PLACER CLAIMS

PAGE 5

	CLAIM NAME	LEGAL DESCRIPTION	NMC #
1.	PURPLE 041	NW 1/4 S 04 T 27S R63E	682273
2.	042	NE 1/4	682274
3.	043	SW 1/4	682275
4.	044	SE 1/4	682276
5.	052	NE 1/4 S 05 T 27S R63E	682277
6.	053	SW 1/4	682278
7.	054	SE 1/4	682279
8.	063	SW 1/4 S 06 T 27S R63E	682280
9.	064	SE 1/4	682281
10.	071	NW 1/4 S 07 T 27S R63E	682282
11.	072	NE 1/4	682283
12.	081	NW 1/4 S 08 T 27S R63E	682284
13.	082	NE 1/4	682285
14.	091	NW 1/4 S 09 T 27S R63E	682286
15.	092	NE 1/4	682287

Appendix 21 Page 18 of 34 pages
 Mining Claim Location and Administrative
 Record Documents

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 RENO, NEVADA

ELDORADO PROJECT PLACER CLAIMS

PAGE 6

CLAIM NAME	LEGAL DESCRIPTION	NMC #
1. RED 251	NW 1/4 S 25 T 26S R63E	682288
2. 252	NE 1/4	682289
3. 253	SW 1/4	682290
4. 254	SE 1/4	682291
5. 261	NW 1/4 S 26 T 26S R63E	682292
6. 262	NE 1/4	682293
7. 263	SW 1/4	682294
8. 264	SE 1/4	682295
9. 271	NW 1/4 S 27 T 26S R63E	682296
10. 272	NE 1/4	682297
11. 273	SW 1/4	682298
12. 274	SE 1/4	682299
13. 341	NW 1/4 S 34 T 26S R63E	682300
14. 342	NE 1/4	682301
15. 343	SW 1/4	682302
16. 344	SE 1/4	682303
17. 351	NW 1/4 S 35 T 26S R63E	682304
18. 352	NE 1/4	682305
19. 353	SW 1/4	682306
20. 354	SE 1/4	682307
21. 361	NW 1/4 S 36 T 26S R63E	682308
22. 362	NE 1/4	682309
23. 363	SW 1/4	682310
24. 364	SE 1/4	682311
1. YELLOW 011	NW 1/4 S 01 T 28 S R63E	682312
2. 022	NE 1/4 S 02 T 28 S R63E	682313
3. 122	NE 1/4 S 12 T 28 S R63E	682314

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9:00 A.M. AUG 21 96

NEVADA STATE OFFICE
RENO, NEVADA

CLARK COUNTY, NEVADA
JUDITH A. VANDEVER, RECORDER
RECORDED AT REQUEST OF:

K. MATHESON

08-16-96 11:08 BJB 8
BOOK: 960816 INST: 00988

FEE: 14.00 RPTT: EX#009

DEED
CONFORMED COPY HAS NOT BEEN COMPARED TO THE ORIGINAL

Deed to Placer Mining Claims

5

THIS DEED TO PLACER MINING CLAIMS is conveyed and delivered on this 11 th day of July, 2000 by Andrew L. Dall (Grantor) to Cactus Gold Corp., a Nevada Corporation (Grantee).

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, quitclaim, release and convey unto Grantee, and its assigns all Grantor's right, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference.

GRANTEES TO HAVE AND TO HOLD one hundred (100 %) of Grantors interest in said claims, together with all and singular the appurtenances and privileges thereunto belonging to anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantors, either in law or in equity, to its use and benefit and in behalf of the said Grantees and its assigns forever.

GRANTOR REPRESENTS that it or any parties in concert with Grantors have made no conveyances, assignments or incurred any other obligations, liens or other encumbrances on the interest in the claims conveyed herein since Grantors acquisition of any beneficial interest in the claims. Grantors has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to Placer Mining Claims to make it recordable and sustaining.

IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claims on the date first above written.

RECEIVED
Bur. of Land Management

7:30 A.M. AUG 30 2000

NEVADA STATE OFFICE
RENO, NEVADA

GRANTOR

Andrew L. Dall
Andrew L. Dall

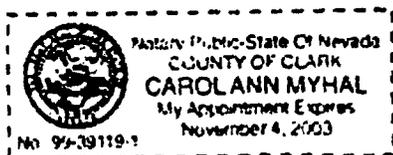
ACKNOWLEDGEMENTS

STATE OF NEVADA)

) s. s.

COUNTY OF CLARK)

On July 11 th, 2000, personally appeared before me, a Notary Public Andrew L. Dall who is known to me and identified himself to me and did subscribe and acknowledged that he executed the above deed.



Carolann Myhal
Notary Public

Deed to Placer Mining Claims

5

THIS DEED TO PLACER MINING CLAIMS is conveyed and delivered on this 7th day of JULY, 2000 by Shannon L. Dall (Grantor) to Cactus Gold Corp., a Nevada Corporation (Grantee).

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, quitclaim, release and convey unto Grantee, and its assigns all Grantor's right, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference.

GRANTEES TO HAVE AND TO HOLD one hundred (100 %) of Grantors interest in said claims, together with all and singular the appurtenances and privileges thereunto belonging to anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantors, either in law or in equity, to its use and benefit and in behalf of the said Grantees and its assigns forever.

GRANTOR REPRESENTS that it or any parties in concert with Grantors have made no conveyances, assignments or incurred any other obligations, liens or other encumbrances on the interest in the claims conveyed herein since Grantors acquisition of any beneficial interest in the claims. Grantors has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to Placer Mining Claims to make it recordable and sustaining.

IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claims on the date first above written.

RECEIVED
Bur. of Land Management

7:30 A.M. AUG 30 2000

GRANTOR

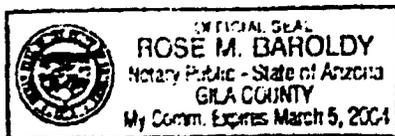
Shannon L. Dall
Shannon L. Dall

NEVADA STATE OFFICE
RENO, NEVADA

ACKNOWLEDGEMENTS

STATE OF ~~NEVADA~~ ARIZONA)
COUNTY OF CLARK GILA) s. s.

On JULY 7, 2000, personally appeared before me, a Notary Public Shannon L. Dall who is known to me and identified himself to me and did subscribe and acknowledged that he executed the above deed.



Rose M. Baroldy
Notary Public

Deed to Placer Mining Claims

5

THIS DEED TO PLACER MINING CLAIMS is conveyed and delivered on this 19th day of July, 2000 by Charlton S. Ager (Grantor) to Cactus Gold Corp., a Nevada Corporation (Grantee).

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, quitclaim, release and convey unto Grantee, and its assigns all Grantor's right, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference.

GRANTEES TO HAVE AND TO HOLD one hundred (100 %) of Grantors interest in said claims, together with all and singular the appurtenances and privileges thereunto belonging to anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantors, either in law or in equity, to its use and benefit and in behalf of the said Grantees and its assigns forever.

GRANTOR REPRESENTS that it or any parties in concert with Grantors have made no conveyances, assignments or incurred any other obligations, liens or other encumbrances on the interest in the claims conveyed herein since Grantors acquisition of any beneficial interest in the claims. Grantors has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to Placer Mining Claims to make it recordable and sustaining.

IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claims on the date first above written.

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7:30
A.M. AUG 30 2000

NEVADA STATE OFFICE
RENO, NEVADA

WASHINGTON
STATE OF NEVADA
CLARK
COUNTY OF CLARK

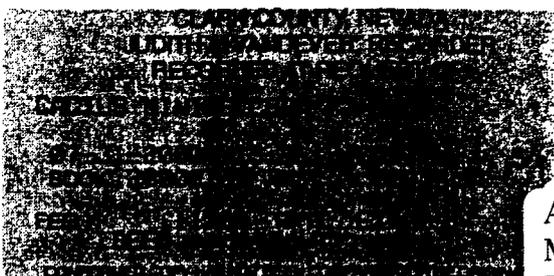
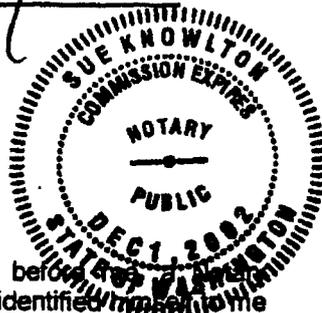
GRANTOR

Charlton S. Ager
Charlton S. Ager

ACKNOWLEDGEMENTS

s. s.

On July 19th, 2000, personally appeared before me Charlton S. Ager Public who is known to me and identified to me and did subscribe and acknowledged that he executed the above deed.



Sue Knowlton
Notary Public

Deed to Placer Mining Claims

5

THIS DEED TO PLACER MINING CLAIMS is conveyed and delivered on this 19th day of July, 2000 by Caroline I. Ager (Grantor) to Cactus Gold Corp., a Nevada Corporation (Grantee).

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, quitclaim, release and convey unto Grantee, and its assigns all Grantor's right, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference.

GRANTEES TO HAVE AND TO HOLD one hundred (100 %) of Grantors interest in said claims, together with all and singular the appurtenances and privileges thereunto belonging to anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantors, either in law or in equity, to its use and benefit and in behalf of the said Grantees and its assigns forever.

GRANTOR REPRESENTS that it or any parties in concert with Grantors have made no conveyances, assignments or incurred any other obligations, liens or other encumbrances on the interest in the claims conveyed herein since Grantors acquisition of any beneficial interest in the claims. Grantors has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to Placer Mining Claims to make it recordable and sustaining.

IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claims and the same are as above written.

7:30 A.M. AUG 30 2000

NEVADA STATE OFFICE RENO, NEVADA

GRANTOR

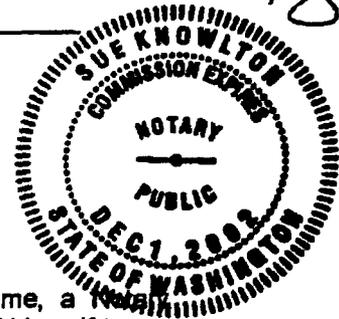
Handwritten signature of Caroline I. Ager

Caroline I. Ager

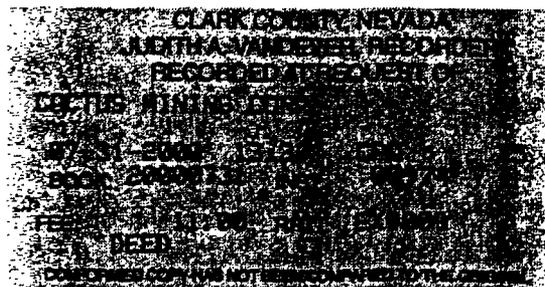
ACKNOWLEDGEMENTS

Washington
STATE OF NEVADA
with Com.
COUNTY OF CLARK

)
s. s.



On July 19, 2000, personally appeared before me, a Notary Public, Caroline I. Ager who is known to me and identified himself to me and did subscribe and acknowledged that he executed the above deed.



Handwritten signature of Sue Knowlton
Notary Public

Deed to Placer Mining Claims

6

THIS DEED TO PLACER MINING CLAIMS is conveyed and delivered on this 19th day of July, 2000 by Carol J. Ager (Grantor) to Cactus Gold Corp., a Nevada Corporation (Grantee).

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, quitclaim, release and convey unto Grantee, and its assigns all Grantor's right, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference.

GRANTEES TO HAVE AND TO HOLD one hundred (100 %) of Grantors interest in said claims, together with all and singular the appurtenances and privileges thereunto belonging to anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantors, either in law or in equity, to its use and benefit and in behalf of the said Grantees and its assigns forever.

GRANTOR REPRESENTS that it or any parties in concert with Grantors have made no conveyances, assignments or incurred any other obligations, liens or other encumbrances on the interest in the claims conveyed herein since Grantors acquisition of any beneficial interest in the claims. Grantors has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to Placer Mining Claims to make it recordable and sustaining.

IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claim on the date first above written.

Bur. of Land Management

7:30 A.M. AUG 30 2000

NEVADA STATE OFFICE
RENO, NEVADA

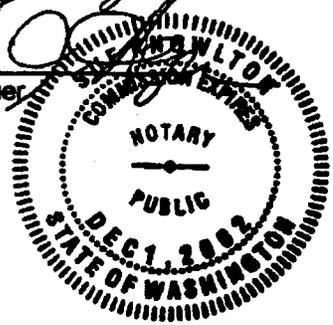
GRANTOR
Carol J. Ager
Carol J. Ager

ACKNOWLEDGEMENTS

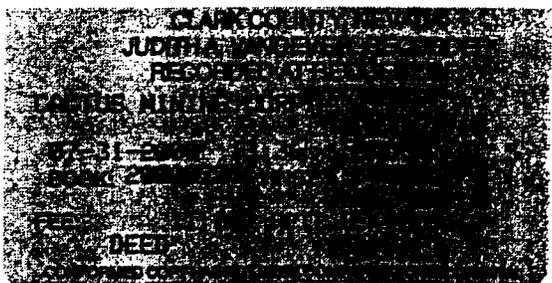
Washington
STATE OF NEVADA
Clark County
COUNTY OF CLARK

)
) s. s.
)

On July 19th, 2000, personally appeared before me, a Notary Public Carol J. Ager who is known to me and identified himself to me and did subscribe and acknowledged that he executed the above deed.



Sue Krumpton
Notary Public



20000712
00827

Deed to Placer Mining Claims

THIS DEED TO PLACER MINING CLAIMS is conveyed and delivered on this 10th day of July, 2000 by Fred J. Toti (Grantor) to Cactus Gold Corp., a Nevada Corporation (Grantee).

(5)

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, quitclaim, release and convey unto Grantee, and its assigns all Grantor's right, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference.

GRANTEES TO HAVE AND TO HOLD one hundred (100 %) of Grantors interest in said claims, together with all and singular the appurtenances and privileges thereunto belonging to anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantors, either in law or in equity, to its use and benefit and in behalf of the said Grantees and its assigns forever.

GRANTOR REPRESENTS that it or any parties in concert with Grantors have made no conveyances, assignments or incurred any other obligations, liens or other encumbrances on the interest in the claims conveyed herein since Grantors acquisition of any beneficial interest in the claims. Grantors has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to Placer Mining Claims to make it recordable and sustaining.

IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claims on the date first above written.

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Bur. of Land Management

7:30 A.M. AUG 30 2000

NEVADA STATE OFFICE
RENO, NEVADA

GRANTOR

Fred J. Toti
Fred J. Toti

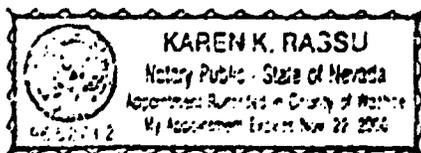
ACKNOWLEDGEMENTS

STATE OF NEVADA

COUNTY OF CLARK *W. J. Me*

)
) s. s.
)

On July 10, 2000, personally appeared before me, a Notary Public Fred J. Toti who is known to me and identified himself to me and did subscribe and acknowledged that he executed the above deed.



Karen K. Rassu
Notary Public

20000705
00690

Deed to Placer Mining Claims

THIS DEED TO PLACER MINING CLAIMS is conveyed and delivered on this 6th day of July, 2000 by George R. Stephen IV (Grantor) to Cactus Gold Corp., a Nevada Corporation (Grantee).

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, quitclaim, release and convey unto Grantee, and its assigns all Grantor's right, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference.

GRANTEES TO HAVE AND TO HOLD one hundred (100 %) of Grantors interest in said claims, together with all and singular the appurtenances and privileges thereunto belonging to anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantors, either in law or in equity, to its use and benefit and in behalf of the said Grantees and its assigns forever.

GRANTOR REPRESENTS that it or any parties in concert with Grantors have made no conveyances, assignments or incurred any other obligations, liens or other encumbrances on the interest in the claims conveyed herein since Grantors acquisition of any beneficial interest in the claims. Grantors has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to Placer Mining Claims to make it recordable and sustaining.

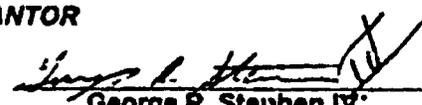
IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claims on the date first above written.

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Bur. of Land Management

7:30 A.M. AUG 30 2000

NEVADA STATE OFFICE
RENO, NEVADA

GRANTOR

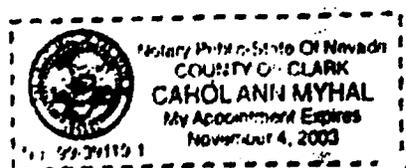

George R. Stephen IV

ACKNOWLEDGEMENTS

STATE OF NEVADA)
)
COUNTY OF CLARK)

s. s.

On July 6th, 2000, personally appeared before me, a Notary Public George R. Stephen IV who is known to me and identified himself to me and did subscribe and acknowledged that he executed the above deed.




Notary Public

20000706
.00689

Deed to Placer Mining Claims

THIS DEED TO PLACER MINING CLAIMS is conveyed and delivered on this 6th day of July, 2000 by Kathy M. Stephen (Grantor) to Cactus Gold Corp., a Nevada Corporation (Grantee).

(6)

WHEREAS, Grantor wishes to grant and convey to Grantee all of its right, title and interest in certain placer mining claims located in Clark County, Nevada:

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantors agree as follows:

CONVEYANCE OF CLAIM: Grantor in its own behalf and in behalf of its heirs, representatives and any of its assigns and/or successors in interest do hereby grant, assign, quitclaim, release and convey unto Grantee, and its assigns all Grantor's right, title and interest in and to the placer mining claims described in Exhibit "A" attached hereto and incorporated herein by reference.

GRANTEES TO HAVE AND TO HOLD one hundred (100 %) of Grantors interest in said claims, together with all and singular the appurtenances and privileges thereunto belonging to anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of Grantors, either in law or in equity, to its use and benefit and in behalf of the said Grantees and its assigns forever.

GRANTOR REPRESENTS that it or any parties in concert with Grantors have made no conveyances, assignments or incurred any other obligations, liens or other encumbrances on the interest in the claims conveyed herein since Grantors acquisition of any beneficial interest in the claims. Grantors has to the best of its knowledge the sole right to convey the claims and covenant to make any correction in the form and substance of this Deed to Placer Mining Claims to make it recordable and sustaining.

IN WITNESS WHEREOF, the parties have executed this Grantor's Deed to Placer Mining Claims on the date first above written.

RECEIVED
Bur. of Land Management

GRANTOR

7:30 A.M. AUG 30 2000

Kathy M. Stephen
Kathy M. Stephen

NEVADA STATE OFFICE
RENO, NEVADA
STATE OF NEVADA
COUNTY OF CLARK

ACKNOWLEDGEMENTS

)
) s. s.
)

On July 6th, 2000, personally appeared before me, a Notary Public Kathleen M. Stephen who is known to me and identified himself to me and did subscribe and acknowledged that he executed the above deed.



Carolann Myhal
Notary Public

Exhibit "A"

COUNT	CLAIM NAME	QUARTER	SECTION	TOWNSHIP	RANGE	NMC #
1	BLUE - 321	NW	32	27S	64E	804090 ✓
2	BLUE - 322	NE	32	27S	64E	804091 ✓
3	BLUE - 323	SW	32	27S	64E	804092 ✓
4	BLUE - 324	SE	32	27S	64E	804093 ✓
5	GOLD 51	NW	5	28S	64E	804094 ✓
6	GOLD 62	NE	6	28S	64E	804095 ✓
7	GOLD 63	SW	6	28S	64E	804096 ✓
8	GOLD 64	SE	6	28S	64E	804097 ✓
9	GOLD 72	NE	7	28S	64E	804098 ✓
10	GRAY 191	NW	19	27S	63E	804099 ✓
11	GRAY 192	NE	19	27S	63E	804100 ✓
12	GRAY 201	NW	20	27S	63E	804101 ✓
13	GRAY 202	NE	20	27S	63E	804102 ✓
14	GRAY 204	SE	20	27S	63E	804103 ✓
15	GRAY 211	NW	21	27S	63E	804104 ✓
16	GRAY 212	NE	21	27S	63E	804105 ✓
17	GRAY 213	SW	21	27S	63E	804106 ✓
18	GRAY 214	SE	21	27S	63E	804107 ✓
19	GRAY 281	NW	28	27S	63E	804108 ✓
20	GRAY 282	NE	28	27S	63E	804109 ✓
21	GRAY 283	SW	28	27S	63E	804110 ✓
22	GRAY 284	SE	28	27S	63E	804111 ✓
23	GRAY 292	NE	29	27S	63E	804112 ✓
24	GRAY 294	SE	29	27S	63E	804113 ✓
25	GRAY 331	NW	33	27S	63E	804114 ✓
26	GRAY 332	NE	33	27S	63E	804115 ✓
27	GRAY 333	SW	33	27S	63E	804116 ✓
28	GRAY 334	SE	33	27S	63E	804117 ✓

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7:30 A.M. AUG 30 2000

NEVADA STATE OFFICE
RENO, NEVADA

Exhibit "A"

COUNT	CLAIM NAME	QUARTER	SECTION	TOWNSHIP	RANGE	NMC #
29	GREEN - 273	SW	27	27S	63E	804118 ✓
30	GREEN - 274	SE	27	27S	63E	804119 ✓
31	GREEN - 341	NW	34	27S	63E	804120 ✓
32	GREEN - 342	NE	34	27S	63E	804121 ✓
33	GREEN - 343	SW	34	27S	63E	804122 ✓
34	GREEN - 344	SE	34	27S	63E	804123 ✓
35	GREEN - 353	SW	35	27S	63E	804124 ✓
36	ORANGE - 191	NW	19	26S	64E	804125 ✓
37	ORANGE - 193	SW	19	26S	64E	804126 ✓
38	PEACH 42	NE	4	28S	63E	804127 ✓
39	PEACH 44	SE	4	28S	63E	804128 ✓
40	PEACH 92	NE	9	28S	63E	804129 ✓
41	PINK - 311	NW	31	26S	63E	804130 ✓
42	PINK - 312	NE	31	26S	63E	804131 ✓
43	PINK - 331	NW	33	26S	63E	804132 ✓
44	PURPLE - 73	SW	7	27S	63E	804133 ✓
45	PURPLE - 74	SE	7	27S	63E	804134 ✓
46	PURPLE - 83	SW	8	27S	63E	804135 ✓
47	PURPLE - 84	SE	8	27S	63E	804136 ✓
48	PURPLE - 93	SW	9	27S	63E	804137 ✓
49	PURPLE - 94	SE	9	27S	63E	804138 ✓
50	PURPLE - 161	NW	16	27S	63E	804139 ✓
51	PURPLE - 162	NE	16	27S	63E	804140 ✓
52	PURPLE - 163	SW	16	27S	63E	804141 ✓
53	PURPLE - 164	SE	16	27S	63E	804142 ✓

RECEIVED
Bur. of Land Management

7:30 A.M. AUG 30 2000

NEVADA STATE OFFICE

RECEIVED
 Bur. of Land Management

7:30
 A.M. **AUG 30 2000**

Exhibit "A"

NEVADA STATE OFFICE
 RENO, NEVADA

COUNT	CLAIM NAME	QUARTER	SECTION	TOWNSHIP	RANGE	NMC #
54	PURPLE - 171	NW	17	27S	63E	804143 ✓
55	PURPLE - 172	NE	17	27S	63E	804144 ✓
56	PURPLE - 173	SW	17	27S	63E	804145 ✓
57	PURPLE - 174	SE	17	27S	63E	804146 ✓
58	PURPLE - 181	NW	18	27S	63E	804147 ✓
59	PURPLE - 182	NE	18	27S	63E	804148 ✓
60	PURPLE - 183	SW	18	27S	63E	804149 ✓
61	PURPLE - 184	SE	18	27S	63E	804150 ✓
62	RED - 221	NW	22	26S	63E	804151 ✓
63	RED - 222	NE	22	26S	63E	804152 ✓
64	RED - 223	SW	22	26S	63E	804153 ✓
65	RED - 224	SE	22	26S	63E	804154 ✓
66	RED - 231	NW	23	26S	63E	804155 ✓
67	RED - 232	NE	23	26S	63E	804156 ✓
68	RED - 233	SW	23	26S	63E	804157 ✓
69	RED - 234	SE	23	26S	63E	804158 ✓
70	RED - 241	NW	24	26S	63E	804159 ✓
71	RED - 242	NE	24	26S	63E	804160 ✓
72	RED - 243	SW	24	26S	63E	804161 ✓
73	RED - 244	SE	24	26S	63E	804162 ✓
74	YELLOW - 13	SW	1	28S	63E	804163 ✓
75	YELLOW - 21	NW	2	28S	63E	804164 ✓
76	YELLOW - 23	SW	2	28S	63E	804165 ✓
77	YELLOW - 24	SE	2	28S	63E	804166 ✓
78	YELLOW - 31	NW	3	28S	63E	804167 ✓
79	YELLOW - 32	NE	3	28S	63E	804168 ✓
80	YELLOW - 33	SW	3	28S	63E	804169 ✓
81	YELLOW - 34	SE	3	28S	63E	804170 ✓
82	YELLOW - 101	NW	10	28S	63E	804171 ✓
83	YELLOW - 102	NE	10	28S	63E	804172 ✓
84	YELLOW - 103	SW	10	28S	63E	804173 ✓
85	YELLOW - 104	SE	10	28S	63E	804174 ✓

Exhibit "A"

COUNT	CLAIM NAME	QUARTER	SECTION	TOWNSHIP	RANGE	NMC #
86	YELLOW - 111	NW	11	28S	63E	804175 ✓
87	YELLOW - 112	NE	11	28S	63E	804176 ✓
88	YELLOW - 113	SW	11	28S	63E	804177 ✓
89	YELLOW - 114	SE	11	28S	63E	804178 ✓
90	YELLOW - 121	NW	12	28S	63E	804179 ✓
91	YELLOW - 123	SW	12	28S	63E	804180 ✓
92	YELLOW - 124	SE	12	28S	63E	804181 ✓

RECEIVED
Bur. of Land Management

7:50
AUG 30 2000

NEVADA STATE OFFICE
RENO, NEVADA



Licensing Internet Query

This site allows you to locate license information

Profession: Notary Public Appointment

Name: KNOWLTON,SUE

Status: Active

City: BLAINE

State: WA

Zip: 98230

County: Whatcom

Prof Code / Endorsement: 25601

Expiration Date: 12/1/06

Certification Date: 12/1/02

Certification / Dealer Number: 50464

First Issued: 10/25/90

Information Current as of : 8/30/04

| Search |

Use of lists of individuals provided on this site for commercial purposes is prohibited under RCW 42.17.260(9), as defined by the Attorney General of the State of Washington.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIPT AND ACCOUNTING ADVICE

NO. 2485941 27

BV/NV

05/07/99

Subject: NEW CLAIMS/MAINT AND LOC FEES
Applicant: BLUE 321 ETAL

2	3	50	920.00
2	3	58	9,200.00
2	3	59	2,300.00

ANDREW L DALL
BOX 1611
GLOBE AZ 85502

Remitter: CACTUS MINING CORP
801 STILLWATER LANE
HENDERSON NV 89014

Assignor:

LEASE MANAGEMENT DATA NEW UPDATE PAYMENT

ORIGINAL SERIAL NO.	ASG.	TYPE	ST.	CTY.	FUND SYMBOL	ACRES/UNITS	RATE
NMC 804090-804181							

AMOUNT	ANV. DATE	EXP. DATE	BILL CYC.	S/C	DISTRICT	NEXT BILL	MISC. DATA	U of M	ACTUAL UNITS

ASSIGNMENT SERIAL NO.	ASG.	TYPE	ST.	CTY.	FUND SYMBOL	ACRES/UNITS	RATE

AMOUNT	ANV. DATE	EXP. DATE	BILL CYC.	S/C	DISTRICT	NEXT BILL	MISC. DATA	U of M	ACTUAL UNITS

APPLY REMITTANCE

ACTION	FUND SYMBOL	CTY.	AMOUNT
FILING FEE			
RENTAL			
UNEARNED			
REFUND			
TOTAL			
AMOUNT DUE			

Remarks:

50.5728/99
90 6/1/99 [974]

W

Appendix 21 Page 33 of 34 pages
Mining Claim Location and Administrative
Record Documents

BY:

DATE:

Lease in Escrow?
 KGS? Of Interest?
 Auto Escalates? Operator Rights?
 Auto Renew? Operator
Bond Filed?

FOR MMS USE ONLY

BILLEE	FOREST REFUGE
NUMBER	
OCS SECTION	
CODE	

Form 1370-18
(July 1984)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

113362

Date 5-7-99 *for BLM*

TEMPORARY RECEIPT

Received \$ 12420 *#2240* \$12420. *for BLM*

On account of New claims (92) maintained Loc Fees

Received from: Blue 321 et al

Cactus Mining Corp

801 Stillue Ln

Henderson, NV 89014



ACCOUNTING COPY

Credit is subject to
clearing of any checks
This is not a permit,
license, or lease.

NAME: CACTUS MINING CORP.

FILE TYP/NR C 16833-1996 ST NEVADA INC ON AUG 7, 1996 FOR PERPETUAL
STATUS: CURRENT LIST AS OF : 09-09-03 NUMBER OF PAGES FILED: 4 RAA

TYPE: REGULAR

PURPOSE: ALL LEGAL ACTIVITIES

080796 FILING FEE \$125.00

CAPITAL:

PAR SHRS: PAR VAL: \$.000 NR NO PAR SHRS: 25,000

RA NBR: 17321

LIST OF OFFICERS FOR 03 - 04 FILED ON 09-09-03		ANNUAL LO	JPH
RA	ROBERT D. MCDOUGAL	SUITE 420	ACCEPTED 092497
	100 WEST GROVE ST	RENO	NV 89509
PRES	CHUCK AGER		092497
	100 W GROVE ST STE 420	RENO	NV 89509 + 9
SECT	CHUCK AGER		092497
	100 W GROVE ST STE 420	RENO	NV 89509 + 9
TRES	CHUCK AGER		092497
	100 W GROVE ST STE 420	RENO	NV 89509 + 9

CMD?

PA1=MENU PF3=PAGE-> PF5=END INQ

4- 1 Sess-1 10.131.152.1 TP02SX0A 1/8

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

080796 \$
Filing Fee #125

AUG 07 1996

ARTICLES OF INCORPORATION

DEAN HELLER SECRETARY OF STATE

No. 116833-96

OF

CACTUS MINING CORP.

The undersigned, for the purpose of forming a corporation, pursuant to and by virtue of Chapter 78 of Nevada Revised Statutes, hereby adopts and acknowledges the following Articles of Incorporation.

ARTICLE I

NAME

Section 1.1. The name of the corporation is Cactus Mining Corp.

ARTICLE II

RESIDENT AGENT AND REGISTERED OFFICE

Section 2.1. The name of the initial resident agent and the street address of the initial registered office in the State of Nevada where process may be served upon the corporation is Kenneth Iaa Matheson, 2215 Lucerne Circle, Henderson, Nevada 89014. The corporation may, from time to time, in the manner provided by law, change the resident agent and the registered office within the State of Nevada. The corporation may also maintain an office or offices for the conduct of its business, either within or without the State of Nevada.

ARTICLE III

CAPITAL STOCK

Section 3.1. Authorized Shares. The aggregate number of shares which the corporation shall have authority to issue shall consist of 25,000 shares of common stock having no par value.

Section 3.2. Consideration for Shares. The shares of the corporations's stock authorized by Section 3.1 shall be issued for such consideration as shall be fixed, from time to time, by the Board of Directors.

Section 3.3. Assessment of Stock. The capital stock of this corporation, after the amount of the subscription price has been fully paid, shall not be assessable or assessed. No stockholder of the corporation is individually liable for the debts of liabilities of the corporation.

Section 3.4. Cumulative Voting For Directors. Each holder of stock possessing voting power is entitled to as many votes as equal the number of his shares of stock multiplied by the number of directors to be elected, and he may cast all of such votes for a single director or may distribute them among the number to be voted for or any two or more of them, as he may see fit.

Section 3.5. Preemptive Rights. No stockholder of the corporation shall have any preemptive rights.

ARTICLE IV

DIRECTORS AND OFFICERS

Section 4.1. Number of Directors. The members of the governing board of the corporation are styled as directors. The number of directors may be changed from time to time in such a manner as shall be provided in the bylaws of the corporation.

Section 4.2. Initial Directors. The name and street address of the director constituting the first Board of Directors, which shall be one (1) in number, is:

NAME	ADDRESS
Charles A. Ager c/o	801 Stillwater Henderson, Nevada 89014

Section 4.3. Limited Liability Of Directors And Officers. No director or officer of the corporation shall be personally liable to the corporation or any of its stockholders for damages for breach of fiduciary duty as a director or officer; provided, however, that the foregoing provision does not eliminate or limit the liability of a director or officer of the corporation for:

- (a) Acts or omissions which involve intentional misconduct, fraud or a knowing violation of law; or

(b) The payment of distributions in violation of Nevada Revised Statutes 78.300.

Section 4.4. Payment of Expenses. In addition to any other rights of indemnification permitted by the law of the State of Nevada as may be provided for by the corporation in its bylaws or by agreement, the expenses of officers and directors incurred in defending a civil or criminal action, suit or proceeding, involving alleged acts or omissions of such officer or director in his or her capacity as an officer or director of the corporation, must be paid, by the corporation or through insurance purchased and maintained by the corporation or through other financial arrangements made by the corporation, as they are incurred and in advance of the final disposition of the action, suit or proceeding, upon receipt of an undertaking by or on behalf of the director or officer to repay the amount if it is ultimately determined by a court of competent jurisdiction that he or she is not entitled to be indemnified by the corporation.

Section 4.5. Repeal and Conflicts. Any repeal or modification of Section 4.3 or 4.4 approved by the stockholders of the corporation shall be prospective only. In the event of any conflict between Section 4.3 or 4.4 and any other Article of the coproation's Articles of Incorporation, the terms and provisions of Section 4.3 or 4.4 shall control.

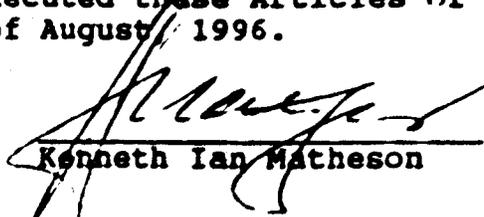
ARTICLE V

INCORPORATOR

Section 5.1. The name and street address of the incorporator signing these Articles of Incorporation is:

NAME	ADDRESS
Kenneth Ian Matheson	2215 Lucerne Circle, Henderson, Nevada 89014

IN WITNESS WHEREOF, I have executed these Articles of Incorporation this 1 st day of August, 1996.


Kenneth Ian Matheson

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF THE
STATE OF NEVADA

AUG 07 1996

DEAN HELLER SECRETARY OF STATE

No. 168-33-96

**CERTIFICATE OF ACCEPTANCE
OF APPOINTMENT BY RESIDENT AGENT
IN THE MATTER OF
CACTUS MINING CORP**

KENNETH IAN MATHESON hereby certifies that:

1. He has accepted the appointment as Resident Agent of the above corporation in accordance with Chapter 78, Nevada Revised Statutes; and
2. The registered office of the corporation in this State is located at 2215 Lucerne Circle, Henderson, Nevada 89014, County of Clark, State of Nevada.

IN WITNESS WHEREOF, I have hereunto set my hand this 2 nd day of August, 1996

RESIDENT AGENT

KENNETH IAN MATHESON



The Corporation's duly appointed Resident Agent in the State of Nevada upon whom process can be served is:

Kenneth IAN Matheson
2215 Lucerne Circle
Henderson, NV. 89014

FOR OFFICE USE ONLY

FILED (DATE)

96-97-100
97-98-85
Rein 60
RA 15
cert 10
\$260
SEP 24 1997
FILED
Dean Heller
Secretary of State

RV 7-1-97

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information has been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15.00 penalty must be added for failure to file this form by the deadline indicated at the top of this form.
4. Make your check payable to the Secretary of State. If you need a receipt, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, Capitol Complex, Carson City, NV 89710 (702) 687-5105

(R) Receipt No. FY9800013160
CACTUS MINING CORP.
09/04/1997 Current Balance 260.00

Printed By KR

FILING FEE: \$85.00 LATE PENALTY: \$15.00

NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
Chuck Ager	PRESIDENT	17146 20th Ave.	Sweeney	BC	89429
NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
Chuck Ager	SECRETARY	17146 20th Ave.	Sweeney	BC	89429
NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
Chuck Ager	TREASURER	17146 20th Ave.	Sweeney	BC	89429
NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
	DIRECTOR				
NAME	TITLE(S)	STREET ADDRESS	CITY	ST	ZIP
	DIRECTOR				

Signature of Chuck Ager

TITLE(S) President

Date 9/5/97

STATE OF NEVADA
SECRETARY OF STATE

CERTIFICATE OF REINSTATEMENT

I, DEAN HELLER, the duly elected Secretary of State of the State of Nevada, do hereby certify that

CACTUS MINIG CORP.

a corporation formed under the laws of the State of NEVADA having paid all filing fees, licenses, penalties and costs, in accordance with the provisions of Title 7 of the Nevada Revised Statutes, as amended, for the years and in the amounts as follows:

1996-1997	LIST OF OFFICERS + PENALTY	\$100.00
1997-1998	LIST OF OFFICERS	\$ 85.00
REINSTATEMENT		\$ 50.00

and otherwise complied with the provisions of said section, the said corporation has been reinstated, and that by virtue of such reinstatement it is authorized to transact its business in the same manner as if the aforesaid filing fees, licenses, penalties and costs had been paid when due.

IN WITNESS WHEREOF, I have hereunto set my hand and

affixed the Great Seal of State, at my office in Carson

City, Nevada, this 24TH day of

SEPTEMBER, A.D., 1997.



Secretary of State

By _____ Deputy

Deputy

17321

AUG-07-1997 11:13

RECEIVED

7020761349

08/07/97 11:13:27

NY-10-16

SECRET

RECEIVED STATE TO B

Page 003

Receipt No.

EY9800013160

CACTUS MINING CORP.

09/04/1997

260.00

**CERTIFICATE OF CHANGE
OF RESIDENT AGENT AND/OR
LOCATION OF REGISTERED OFFICE**
(corporations only)

Cactus Mining Corp.

The undersigned is (are) officer(s) of the filing of this document with the Secretary of State

Reason for Change: Change of Resident Agent Change of Location of Registered Office

The former resident agent(s) and location of the registered office was:

Resident Agent: Kenneth Ian Matheson
Street No.: 2215 Lucent Circle
City: Henderson, NV, 89014

The resident agent and location of the registered office is changed to:

Resident Agent: Robert McDough
Street No.: 100 W. Grove St. Suite 420
City: Reno, NV, 89509

NOTE: For a corporation to file this certificate the signature of one officer is required. The certificate does not become effective until it is recorded.

H. Charles Adams 8/7/97

Certificate of Appointment of Appointment by Resident Agent: I, Robert McDough
Resident Agent for the above-named corporation

[Signature] 8/7/97

NOTE:

The fee is \$15.00 for filing either a certificate of change of location of the registered office or a new filing of a resident agent.

File with the Secretary of State, Capitol Complex, Carson City, Nevada 89710

Form 1101

FILED
SEP 24 1997

Secretary of State

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

FILE NUM

CACTUS MINING CORP.

15833-1995

FOR THE PERIOD AUG 1998 TO 1999. DUE BY AUG 31, 1998.

Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY
FILED (DATE)

ROBERT D MCCOUGAL

100 W GROVE ST STE 240
RENO NV 89509

420

FILED JF

JUL 21 1998

Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an annual list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment file stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4786. (702) 687-5203.

FILING FEE: \$85.00 PENALTY: \$15.00

NAME CHUCK AGER	TITLE(S) PRESIDENT
P.O. BOX	STREET ADDRESS 17146 20TH AVE
	CITY SURREY BC
	ST. CA
	ZIP V4P2R 9
NAME CHUCK AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 17146 20TH AVE
	CITY SURREY BC
	ST. CA
	ZIP V4P2R 9
NAME CHUCK AGER	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 17146 20TH AVE
	CITY SURREY BC
	ST. CA
	ZIP V4P2R 9
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS

Appendix 22 Page 10 of 17 pages
Corporate Data: Cactus Mining Corporation

I hereby certify this annual list.

Signature of Officer *Charles Ager PRES*

Date *June 27/98*

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF

FILE NUM

CACTUS MINING CORP.

16833-1996

FOR THE PERIOD AUG 1999 TO 2000. DUE BY AUG 31, 1999.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY
FILED (DATE)

ROBERT D MCDOUGAL

100 W GROVE ST STE 420
RENO NV 89509

FILED

SEP 03 1999

State of Nevada
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

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5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4786. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME CHUCK AGER	TITLE(S) PRESIDENT
P.O. BOX	STREET ADDRESS 17146 20TH AVE
	CITY SURREY BC
	ST. CA
	ZIP V4P2R 9
NAME CHUCK AGER	TITLE(S) SECRETARY
P.O. BOX	STREET ADDRESS 17146 20TH AVE
	CITY SURREY BC
	ST. CA
	ZIP V4P2R 9
NAME CHUCK AGER	TITLE(S) TREASURER
P.O. BOX	STREET ADDRESS 17146 20TH AVE
	CITY SURREY BC
	ST. CA
	ZIP V4P2R 9
NAME	TITLE(S) DIRECTOR
P.O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP
NAME	
P.O. BOX	STREET ADDRESS

Appendix 22

Page 11 of 17 pages

Corporate Data: Cactus Mining Corporation

I hereby certify this annual list

X Signature of Officer

Charles A Ager

Date

AUG 9/99

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

CACTUS MINING CORP.

FILE NUMBER

16833-199

FOR THE PERIOD AUG 2000 TO 2001. DUE BY AUG 31, 2000.

The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY

FILED (DATE)

RV 05/10/01

Jnc:
Cwg

ROBERT D MCDOUGAL

100 W GROVE ST STE 420
RENO NV 89509

FILED

JUN - 5 2001

Dean Heller
Secretary of State

00/01 - 100
Reur - 50
150

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. Include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before its due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment form stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4786. (775) 684-5708.

FILING FEE: \$85.00

PENALTY: \$15.00

NAME	TITLE(S)
CHUCK AGER	PRESIDENT
P.O. BOX	STREET ADDRESS
	17146 20TH AVE
CITY	ST.
SURREY BC	CA
ZIP	V4P2R 9
NAME	TITLE(S)
CHUCK AGER	SECRETARY
P.O. BOX	STREET ADDRESS
	17146 20TH AVE
CITY	ST.
SURREY BC	CA
ZIP	V4P2R 9
NAME	TITLE(S)
CHUCK AGER	TREASURER
P.O. BOX	STREET ADDRESS
	17146 20TH AVE
CITY	ST.
SURREY BC	CA
ZIP	V4P2R 9
NAME	TITLE(S)
	DIRECTOR
P.O. BOX	STREET ADDRESS
CITY	ST.
ZIP	
NAME	TITLE(S)
	DIRECTOR
P.O. BOX	STREET ADDRESS
CITY	ST.
ZIP	



Appendix 22

Page 12 of 17 pages

Corporate Data: Cactus Mining Corporation

I hereby certify this annual list.

Signature of Officer

Charles Ager

Date

AUG 14, 2000

STATE OF NEVADA
SECRETARY OF STATE

CERTIFICATE OF REINSTATEMENT

I, **DEAN HELLER**, the duly elected Secretary of State of the State of Nevada, do hereby certify that **CACTUS MINING CORP.** a corporation formed under the laws of the State of **NEVADA** having paid all filing fees, licenses, penalties and costs, in accordance with the provisions of Title 7 of the Nevada Revised Statutes as amended, for the years and in the amounts as follows:

2000-2001	List of Officers + penalty	\$100.00
Reinstatement		\$50.00
total		\$150.00

and otherwise complied with the provisions of said section, the said corporation has been reinstated, and that by virtue of such reinstatement it is authorized to transact its business in the same manner as if the aforesaid filing fees, licenses, penalties and costs had been paid when due.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office in Carson City, Nevada, on **June 5, 2001**.

Dean Heller

Secretary of State

By: *[Signature]*

Certification Clerk



CACTUS MINING CORP.

16833-199

FOR THE PERIOD AUG 2001 TO 2002. DUE BY AUG 31, 2001. The Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

ROBERT D MCDOUGAL
100 W GROVE ST STE 420
RENO NV 89509

FOR OFFICE USE ONLY
FILED (DATE)

135-
50
185.00

FILED - JF

SEP 26 2001

Dean Heller
Secretary of State

IF THE ABOVE INFORMATION IS INCORRECT, PLEASE CHECK THIS BOX AND A CHANGE OF RESIDENT AGENT/ADDRESS FORM WILL BE SENT.

PLEASE READ INSTRUCTIONS BEFORE COMPLETING AND RETURNING THIS FORM.

1. include the names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer and all Directors must be named. There must be at least one director. Last year's information may have been preprinted. If you need to make changes, cross out the incorrect information and insert the new information above it. An officer must sign the form. FORM WILL BE RETURNED IF UNSIGNED.
2. If there are additional directors, attach a list of them to this form.
3. Return the completed form with the \$85.00 filing fee. A \$15 penalty must be added for failure to file this form by the deadline. An annual list received more than 60 days before the due date shall be deemed an amended list for the previous year.
4. Make your check payable to the Secretary of State. Your canceled check will constitute a certificate to transact business per NRS 78.155. If you need the below attachment not stamped, enclose a self-addressed stamped envelope. To receive a certified copy, enclose a copy of this completed form, an additional \$10.00 and appropriate instructions.
5. Return the completed form to: Secretary of State, 101 North Carson Street, Suite #3, Carson City, NV 89701-4726. 7:30 a.m. - 5:00 p.m.

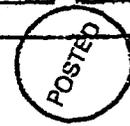
FILING FEE: \$85.00 PENALTY: \$15.00

NAME CHUCK AGER	TITLE(S) PRESIDENT
P.O. BOX STREET ADDRESS 17146 20TH AVE	CITY SURREY BC ST. CA ZIP V4P2R 9
NAME CHUCK AGER	TITLE(S) SECRETARY
P.O. BOX STREET ADDRESS 17146 20TH AVE	CITY SURPEY BC ST. CA ZIP V4P2R 9
NAME CHUCK AGER	TITLE(S) TREASURER
P.O. BOX STREET ADDRESS 17146 20TH AVE	CITY SURREY BC ST. CA ZIP V4P2R 9
NAME	TITLE(S) DIRECTOR
P.O. BOX STREET ADDRESS	CITY ST. ZIP
NAME	TITLE(S) DIRECTOR
P.O. BOX STREET ADDRESS	CITY ST. ZIP

Appendix 22 Page 14 of 17 pages
Corporate Data: Cactus Mining Corporation

I hereby certify this annual list

[Signature] *Asst. Treas.* *9/17/01*



CERTIFICATE

STATE OF NEVADA - SECRETARY OF STATE

CACTUS MINING CORP.

FEE NUMBER

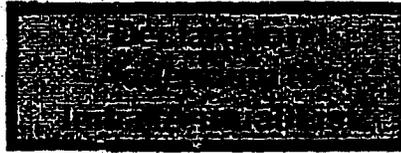
16833-1996

FOR THE PERIOD AUG 2001 TO 2002. DUE BY AUG 31, 2001.



DEAN HELLER
Secretary of State

202 North Carson Street
Carson City, Nevada 89701-4201
(775) 684 5708



Office Use Only:

General instructions for this form:

1. Please print legibly or type; Black Ink Only.
2. Complete all fields.
3. Ensure that document is signed in signature field.

Addendum to Initial/Annual
List for Declaration
 (Pursuant to NRS)
 - Remit in Duplicate -

FILED - JF

SEP 26 2001

Dean Heller
Secretary of State

1. Name of Entity:

CACTUS MINING CORP.

2. File number of Entity:

16833-1996

Declaration:

I declare, to the best of my knowledge, under penalty of perjury, that the above entity has complied with the provision of chapter 364A of NRS.

3. Signature:

 *Aust. Treas.* *9/26/01*
 Signature (as required by NRS for initial/annual lists) Title Date

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:

CACTUS MINING CORP.

FILE NUMBER

16833-1996

FOR THE PERIOD AUG 2002 TO 2003. DUE BY AUG 31, 2002.

Corporation's duly appointed resident agent in the State of Nevada upon whom process can be served is:

RA# 17321

FOR OFFICE USE ONLY

FILED (DATE)

FILED # _____

JUL 22 2002

IN THE OFFICE OF
Dean Heller
 DEAN HELLER, SECRETARY OF STATE

ROBERT D MCDUGAL

100 W GROVE ST STE 420
 RENO NV 89509

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FILING FEE: \$85.00

PENALTY: \$50.00

	TITLE(S)
	PRESIDENT

JCK AGER DX	STREET ADDRESS 100 W GROVE ST. STE 420 17146 20TH AVE	CITY RENO SURREY BC	ST. NV CA	ZIP 89509 V4P2R 9
----------------	--	--------------------------------------	----------------------------	------------------------------------

	TITLE(S)
	SECRETARY

JCK AGER DX	STREET ADDRESS 100 W GROVE ST. STE 420 17146 20TH AVE	CITY RENO SURREY BC	ST. NV CA	ZIP 89509 V4P2R 9
----------------	--	--------------------------------------	----------------------------	------------------------------------

	TITLE(S)
	TREASURER

CK AGER X	STREET ADDRESS 100 W GROVE ST. STE 420 17146 20TH AVE	CITY RENO SURREY BC	ST. NV CA	ZIP 89509 V4P2R 9
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	TITLE(S)
	DIRECTOR

X	STREET ADDRESS	CITY	ST.	ZIP
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Appendix 22

Page 16 of 17 pages

Corporate Data: Cactus Mining Corporation

X	STREET ADDRESS	CITY	ST.	ZIP
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to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

ANNUAL LIST OF OFFICERS, DIRECTORS AND AGENTS OF:
CACTUS MINING CORP.

FILE NUMBER
 16833-1996

FOR THE PERIOD AUG 2003 TO 2004. DUE BY AUG 31, 2003.
 The Corporation's duly appointed resident agent in the
 State of Nevada upon whom process can be served is:

RA# 17321

ROBERT D MCDOUGAL
 100 W GROVE ST STE 420
 RENO NV 89509

FOR OFFICE USE ONLY

FILED (DATE)
 135

FILED # _____

SEP 09 2003

IN THE OFFICE OF
Don Hill
 DEAN HELLER, SECRETARY OF STATE

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FILING FEE: \$85.00 PENALTY: \$50.00

NAME CHUCK AGER	TITLE(S) PRESIDENT
P. O. BOX	STREET ADDRESS 100 W GROVE ST STE 420
	CITY RENO
	ST. NV
	ZIP 89509 9
NAME CHUCK AGER	TITLE(S) SECRETARY
P. O. BOX	STREET ADDRESS 100 W GROVE ST STE 420
	CITY RENO
	ST. NV
	ZIP 89509 9
NAME CHUCK AGER	TITLE(S) TREASURER
P. O. BOX	STREET ADDRESS 100 W GROVE ST STE 420
	CITY RENO
	ST. NV
	ZIP 89509 9
NAME	TITLE(S) DIRECTOR
P. O. BOX	STREET ADDRESS
	CITY
	ST.
	ZIP
NAME	
P. O. BOX	STREET ADDRESS

Appendix 22 Page 17 of 17 pages
 Corporate Data: Cactus Mining Corporation

I declare to the best of my knowledge under penalty of perjury, that the above mentioned entity has complied with the provisions of chapter 364A of NRS.

X Signature of Officer *Robert D McDougal*

Date *Aug 20/03*

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