

National and Regional Bird Conservation Initiatives

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L:DKrueper / Presentations / NABCI and Initiatives 2005.ppt

Regional Initiatives



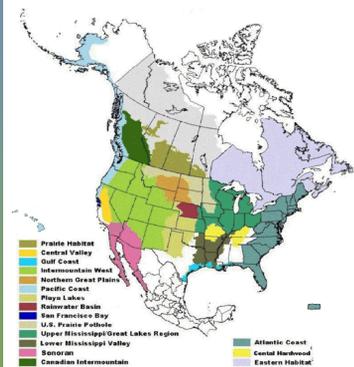
North American Waterfowl Management Plan
Plan nord-américain de gestion de la sauvagine
Plan de Manejo de Aves Acuáticas de Norteamérica

North American Waterfowl Management Plan

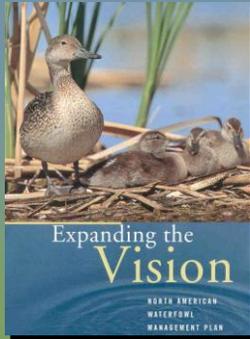
- Launched in 1986 to reverse declines in waterfowl.
- THE model for bird conservation initiatives.
- Joint Ventures are the implementation mechanisms that we have all agreed to support and participate in.



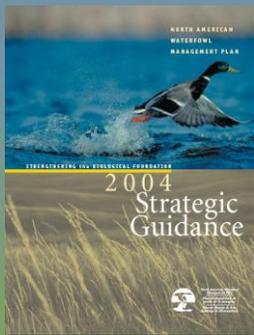
North American Joint Ventures



Expanded vision in 1998 to include more species and natural resources.



Latest update focuses on strengthening the biological foundation.



Population Objectives, Status, and Trends for Ducks

Table 1. Breeding population objectives, recent status, and long-term trends for ducks (1,000s of ducks)

Species/Species Group/Subspecies	Objective ^a	Average Population Size (1994-2003) ^b	Long-term Trend (1970-2003)
Mallard	8,200	8,640	No trend
Northern pintail	5,600	2,815	Decreasing
American black duck	640 ^c	533 ^c	Decreasing ^d
Mottled duck, Florida subspecies ^e	9.4 ^f	11 ^f	Increasing
Gadwall	1,500	2,963	Increasing
American wigeon	3,000	2,628	No trend
Green-winged teal	1,900	2,485	Increasing
Blue-winged and cinnamon teal	4,700	5,875	No trend
Northern shoveler	2,000	3,318	Increasing
Hawaiian duck ^g	5	2.5 ^h	No trend
Laysan duck ^g	30.5	0.3 ^h	No trend
Redhead	640	911	No trend
Canoebird	540	657	No trend
Lesser and greater scaup	6,300	4,017	Decreasing

.....and Geese

Table 3. Status and objectives for North American goose populations

In part

Species/population	Population Mean (2001-2003) ^a	Population Trend (1994-2003) ^a	Population Objective
CANADA GOOSE			
Atlantic	156,200	Increasing	150,000 ^d
Atlantic Flyway Resident	1,022,100	Increasing	650,000 ^{e,f}
North Atlantic	No estimate	No estimate	Not yet established
Southern James Bay	95,200	No trend	100,000 ^g
Mississippi Valley	325,200	No trend	375,000 ^g
Mississippi Flyway Giants	1,539,600	Increasing	1,000,000 ^g
Eastern Prairie	220,300	No trend	200,000 ^g
Western Prairie and Great Plains	651,300	Increasing	385,000 ^g
Tall Grass Prairie	421,900	No trend	250,000 ^g
Short Grass Prairie	160,600	Decreasing	150,000 ^g
Hi-Line	225,300	Increasing	80,000 ^g
Rocky Mountain	163,600	Increasing	117,000 ^g
Pacific	No estimate ^h	No estimate ^h	Not yet established
Lesser	No estimate	No estimate	Not yet established
Dusky	17,100	Increasing ^g	Avoid ESA listing
Cackling	166,300	No trend	250,000 ^g
Aleutian	43,000 ^h	Increasing	40,000 ^g
Vancouver	No estimate	No estimate	Not yet established
Taverner's	No estimate	No estimate	Not yet established

Habitat Objectives by Joint Venture

Table 5. Joint Venture Habitat Objectives (acres)

Joint Venture	Protect/Secure	Restore/Enhance
Atlantic Coast	945,000	209,790
Central Valley Habitat	200,000	734,555
Eastern Habitat	1,435,230	1,221,550
Gulf Coast	1,129,972	921,016
Intermountain West	1,500,000	1,000,000
Lower Mississippi Valley	407,000	2,046,000
Pacific Coast (United States)	249,000	108,000
Pacific Coast (Canada)	390,696	105,155
Playa Lakes	400,000	1,200,000
Prairie Habitat	6,672,240 ^a	-
Prairie Pothole	1,891,315	-
Rainwater Basin	50,000	-
San Francisco Bay	107,000	-
Upper Mississippi/Great Lakes	758,572 ^a	-



^a Habitat objective is to conserve additional acres through a combination of securement, protection, re- and management.

North American Wetlands Conservation Act

\$600 million NAWCA funds invested

\$1.7 billion in partner contributions

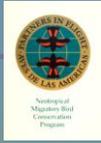
20.9 million acres of wetlands and associated uplands improved

FY05 authorization \$55 million



Regional Initiatives

Partners in Flight



- Formed in 1990 under the leadership of NFWF to address long-term declines in migratory landbirds that breed in the U.S. and Canada and winter in the Neotropics.
- PIF expanded quickly to include all birds but waterfowl.
- Shorebird and Waterbird initiatives spun off.

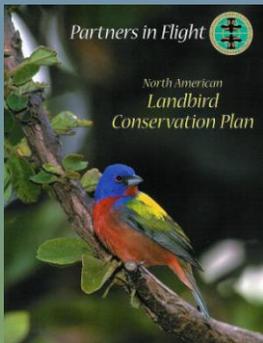
Regional Initiatives

Partners in Flight



- Grants from IAFWA funded 4 Regional Coordinators for 7 years, a critical factor in advancing the partnership.
- Bird Conservation Plans have been completed for most states or Physiographic Areas.
- National Coordinator position established in FWS.





January 2004



Species Scope

448 species of landbirds in the U. S. and Canada



Information for Each of 448 Species

Assessment Scores
 Population Size Estimates
 Population Objective – Based on 1970s
 Maintain
 Maintain/Increase
 Increase by 50%
 Increase by 100%

Conservation Action Category
 IM, MA, PR

Monitoring Need Category
 Mo1, Mo2, Mo3



Foundation - Global Scores Database

Threats
 TB

Simple system but taking years and hundreds of experts to properly score species

System for reaching consensus at tri-national level

Future vulnerability
 Low - Score 1
 High - Score 5



Information for Each of 448 Species

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Stepping Down Population Objectives and Monitoring Needs

Northern
Rockies
BCR –
Idaho Example

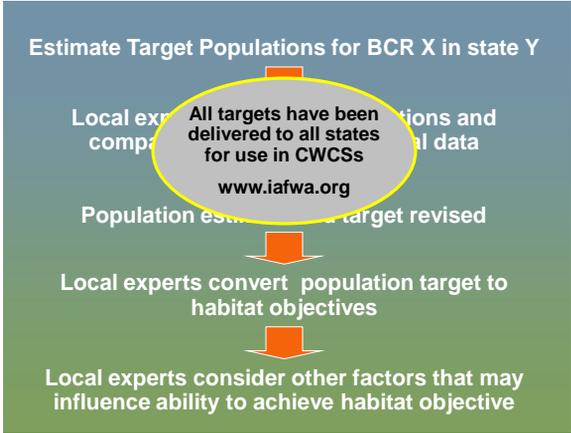


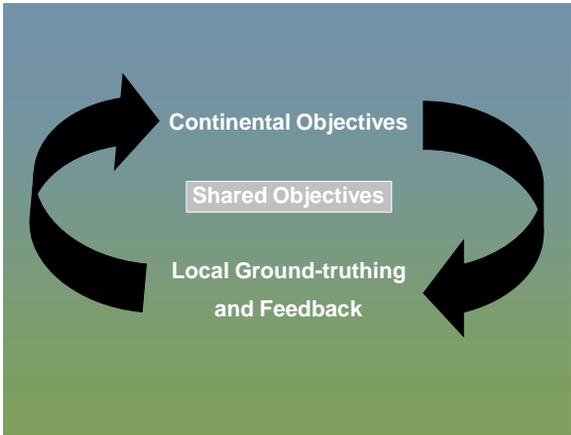
Riparian Watch List Species



	Estimated Population	Continental Target Objective	Continental Target Population
Dusky Grouse	3,800	2.0	7,600
Calliope Hummingbird	180,000	1.0	180,000
Rufous Hummingbird	95,000	2.0	190,000
Willow Flycatcher	130,000	1.5	200,000







Riparian Watch List Species

	Monitoring	
	Need	Solution
Dusky Grouse	Mo2	Special high-elevation/ Work w state programs
Calliope Hummingbird	Mo2	Special high-elevation
Rufous Hummingbird	None	
Willow Flycatcher	None	

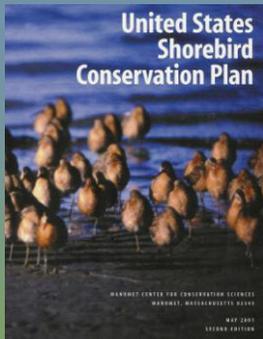
Species Scope



Now working with Mexico to bring another 500+ landbird species into the plan.

Mexican species assessment is nearly completed (2007 expected release).

United States Shorebird Conservation Plan



May 2001

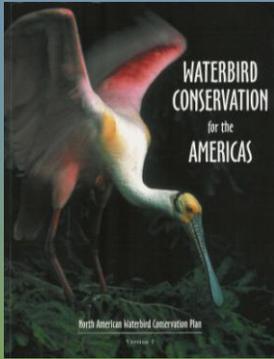
Regional Initiatives



U. S. Shorebird Conservation Plan

- Goals are to ensure adequate shorebird habitat is maintained at the local level and to maintain or restore shorebird populations at the continental and hemispheric levels.
- National assessments were used to step down objectives into 11 regional conservation plans.
- National Coordinator position established in FWS.





2002

Regional Initiatives



Waterbird Conservation for the Americas

- Goal is that the distribution, diversity, and abundance of populations and habitats of waterbirds are conserved throughout North America, Central America, and the Caribbean.
- National Coordinator position Established in FWS.





Waterbird Planning Regions

In part

TABLE 2. Conservation Status and Distribution of Colonial Waterbirds

CATEGORY OF CONSERVATION CONCERN ^a	DISTRIBUTION ^b				
	North America	Western Hemisphere	Northern Hemisphere	Cosmopolitan	Peripheral
Highly Impaired	Audubon Storm-Petrel Newell's Shearwater Townsend's Shearwater	Black-capped Petrel	Black-footed Albatross	Audubon's Shearwater Band-rumped Storm-Petrel	Pomarine Petrel ^c Tahiti Petrel ^c Polynesian Storm-Petrel ^c
High Concern	Bonin's Petrel Black-vousted Shearwater Franklin's Cormorant Cape's Murrelet Forster's Murrelet Least Storm-Petrel Xantus's Murrelet	Bare-throated Tiger Heron ^d Black Skimmer Black Storm-Petrel Blue-faced Booby Blue-gray Noddy Christmas Shearwater Greater Shearwater ^e Jaeger Least Tern Little Blue Heron Magnificent Frigatebird Pink-footed Shearwater ^e Seal Kite Snowy Egret Tricolored Heron Wood Stork	Albatross Tern Ancient Murrelet Laysan Albatross Masked Booby Pomarine Cormorant Red-faced Cormorant Red-legged Kittiwake Rose's Gull Short-tailed Albatross ^f	Arctic Tern Booby Tern Brown Booby Gull-billed Tern Masked Booby Red-billed Tropicbird Red-footed Booby Roseate Tern White-tailed Tropicbird	Herald Petrel ^c Little Gull Little Tern

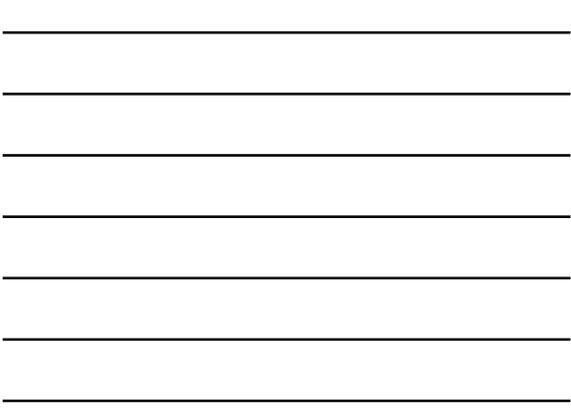


APPENDIX 1. Names, Estimated Population Sizes, and Conservation Status of Waterbirds

COLONIAL OR SEMI-COLONIAL BREEDERS

In part

#	Scientific Name	English Name ^b	Estimated Population in Plan Area	Conservation Status Assessment Factor Scores and Categories of Concern ^c					Category	Risk	
				PT	PS	TB	TN	ND			
1	<i>Stercorarius alba</i>	Great Shear	Inadequate information	5	4	na	2	na	3	Moderate	3a
2	<i>Stercorarius macrorhynchos</i>	Scott's Tropic Shear	Inadequate information	3	4	na	2	na	1	Moderate	3a
3	<i>Stercorarius pomarinus</i>	Pomarine Jaeger	20,000 - 40,000 breeders	3	3	3	2	1	1	Low	4a
4	<i>Stercorarius pomarinus</i>	Parasitic Jaeger	Inadequate information	3	3	3	2	1	1	Low	4a
5	<i>Stercorarius pomarinus</i>	Long-tailed Jaeger	>150,000 individuals (U.S.)	3	2	3	2	1	1	Low	4a
6	<i>Puffinus pacificus</i>	Black Skimmer	69,000 - 70,000 breeders	4	2	4	3	3	3	High	2a
7	<i>Larus delawarensis</i>	Herring Gull	350,000 breeders	3	2	4	2	3	4	Moderate	3b
8	<i>Larus calurus</i>	Mew Gull	100,000 - 240,000 breeders	4	2	1	1	2	2	Not currently at risk	5
9	<i>Larus delawarensis</i>	Ring-billed Gull	>1,700,000 breeders	1	1	1	1	1	1	Not currently at risk	5
10	<i>Larus californicus</i>	California Gull	>414,000 breeders	3	2	3	2	2	3	Moderate	3b
11	<i>Larus marinus</i>	Great Black-backed Gull	111,430 breeders	2	2	2	2	2	2	Not currently at risk	5
12	<i>Larus delawarensis</i>	Ring-billed Gull	~800,000	3	2	2	2	2	3	Low	4a
13	<i>Larus occidentalis</i>	Western Gull	~577,000 breeders	3	2	2	2	2	4	Low	4a
14	<i>Larus fuscus</i>	Yellow-footed Gull	40,000 breeders	3	3	3	3	3	5	Moderate	3b
15	<i>Larus hyperboreus</i>	Common Gull	100,200 breeders	3	2	1	1	1	1	Not currently at risk	5
16	<i>Larus glaucopterus</i>	Island Gull	>100,000 individuals	3	2	3	3	2	2	Low	4a
17	<i>Larus delawarensis</i>	Thrift Gull	>100,000 individuals in Canada	3	2	1	1	1	1	Moderate	3b
18	<i>Larus californicus</i>	Herring Gull	~246,000 breeders	3	2	3	2	1	1	Low	4a
19	<i>Larus schreibersii</i>	Slip-billed Gull	Inadequate information	4	3	3	3	3	3	Inadequate information available to assess risk	5
20	<i>Larus hyperboreus</i>	Lesser Black-backed Gull	Inadequate information	3	3	3	3	3	3	Moderate	3b
21	<i>Larus ridibundus</i>	Black-headed Gull	407 breeders, 400 non-breeders	3	3	3	3	4	3	Moderate	3b
22	<i>Larus delawarensis</i>	Bonaparte's Gull	Inadequate information	3	2	3	3	2	2	Moderate	3b
23	<i>Larus delawarensis</i>	Laughing Gull	378,000 - 530,000 breeders	3	2	3	3	2	3	Not currently at risk	5
24	<i>Larus pacificus</i>	Franklin's Gull	315,000 - 300,000 breeders	3	2	4	3	2	2	Moderate	3b
25	<i>Larus minutus</i>	Little Gull	170,000 breeders	4	3	3	3	3	4	High	2a
26	<i>Puffinus pacificus</i>	Booby Gull	>2,400 breeders	3	4	3	3	4	1	Moderate	3b
27	<i>Puffinus pacificus</i>	Booby Gull	>200 breeders	3	5	2	3	4	1	High	2a
28	<i>Puffinus pacificus</i>	Booby's Gull	>200,000 - 400,000 breeders	3	2	2	2	2	1	Low	4a
29	<i>Puffinus pacificus</i>	Black-legged Kittiwake	3,120,000 breeders	3	1	2	2	2	1	Not currently at risk	5
30	<i>Puffinus pacificus</i>	Red-legged Kittiwake	100,000 - 180,000 individuals at breeding colonies	4	3	4	3	3	3	High	2a



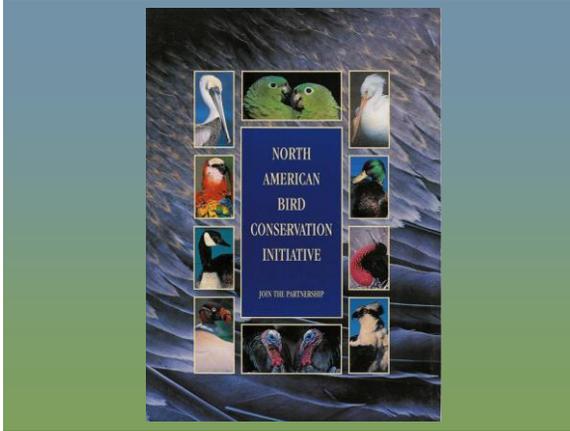
Distribution and Activity by Planning Unit

In part

APPENDIX 3. Distribution and activity of colonial waterbird species presented by Bird Conservation Regions (BCRs) and adjacent Pelagic Bird Conservation Regions (PBCRs, shown in parentheses). Activities are: h = breeding; n = wintering + migratory/dispersal; p = occurs pelagically during wintering and/or non-breeding. Note: US Pacific Islands are included with BCR 67 and mx = interior Mexican BCRs combined (43-56, 58-61) (P5, 60). BCRs have not been established in the Caribbean and Central America.

Planning Unit	1	2	3	4	5	6	7	8	9
Albatross/Bering Sea Islands (East Bering Sea)	h	p	h	bp	h	h	h	h	h
Western Alaska (East Bering Sea)	h	h	bp	bp	bp	h	h	h	h
Arctic Thaw and Moorland (Chukchi & Bering Seas, also Arctic Ocean and Hudson Bay)	h	h	h	h	h	h	h	h	h
Northwestern Bering Sea	h	h	h	h	h	h	h	h	h
North Pacific Bering Sea (Gulf of Alaska, California Current)	h	h	h	h	h	h	h	h	h
Boreal Tundra Plains	h	h	h	h	h	h	h	h	h
High Shield and Hudson Plains (Pawnee/Andalus-Labrador Shelf, also Hudson Bay)	h	h	h	h	h	h	h	h	h
Boreal Subarctic Shield (Northwest/Andalus-Labrador Shelf)	h	h	h	h	h	h	h	h	h
Great Basin	h	h	h	h	h	h	h	h	h





Regional Initiatives

North American Bird Conservation Initiative



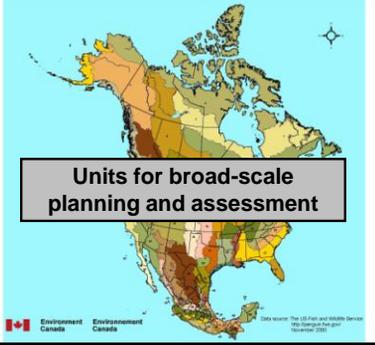
- NABCI was created as a forum where bird conservation initiatives can work together in an efficient manner to achieve shared objectives.
- The FWS created a permanent position for the US NABCI Coordinator.

NABCI Vision



To achieve regionally based, biologically driven, landscape-oriented partnerships delivering the full spectrum of bird conservation across the entirety of the North American continent.

BIRD CONSERVATION REGIONS OF NORTH AMERICA



Current High-priority NABCI Task
Coordinated Bird Monitoring

- | | |
|---|---|
| Atlantic Seaduck Survey | Monitoring Avian Productivity and Survivorship |
| Audubon Christmas Bird Count | MoSI |
| BBIRD | Mourning Dove Call-Count Survey |
| Bird Band Laboratory | Nest Box Network |
| Birds in Forested Landscapes | Night Bird Monitoring |
| Breeding Bird Census | Nihoa Finch Count |
| Breeding Bird Survey | Nihoa Millerbird Count |
| Canadian Bird Checklist Program | No. American Migration Count (Fall) |
| Canadian Lakes Loon Survey | No. American Migration Count (Spring) |
| Cerulean Warbler Atlas Project | Pelita Count |
| Colonial Waterbird Inventory and Monitoring Program | Pre-season Waterfowl Banding Program (Canada) |
| Etudes des populations d'oiseaux du Quebec | Project Feeder Watch (CLO) |
| Forest Bird Monitoring Program (Ontario) | Project Martinwatch |
| Forest Bird Monitoring Program (USFS-Region 1) | Project Pigeon Watch |
| Gulf Coast Redhead Survey | Purple Martin Scout-arrival Survey |
| Hawaiian Crow | Sandhill Crane Harvest Survey |
| House Finch Disease Survey (CLO) | Satellite Imagery (Goose and Brant Productivity Forecast) |
| International Shorebird Survey | Speckled Eider Winter Survey |
| July Duck Production Survey | Spring Sandhill Crane Survey |
| Kirtland's Warbler Count | Stellar's Eider Spring Migration Counts |
| Laysan Duck Count | Thanksgiving Bird Count |
| Laysan Finch Count | Tundra Swah Survey |
| Maritimes Shorebird Survey | Urban Bird Monitoring Program |
| Marsh Monitoring Program | Waterfowl Parts Survey |
| May Breeding Waterfowl and Habitat Surveys | Western Raptor Migration Monitoring Project |
| Mexico Mid-Winter Waterfowl Surveys | Whooping Crane Count |
| Mid-Winter Bald Eagle Survey | Woodcock Singing Ground Survey |
| Mid-Winter Waterfowl Survey | |
| Migration Monitoring Program | |
| Migratory Bird Harvest Information Survey | |
