

Christmas Bird Count

NCCH North Carolina Cape Hatteras

Study#: CAHA - 00079

Permit#: CAHA - 2013-SCI - 0017

Start Date: December 27, 2013

Expiration Date: December 31, 2014

Investigator's Annual Report (IAR)

Principal Investigator: Patricia J. Moore

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Tally pages example

Copy of Research Permit

March 4, 2014

Patricia J. Moore

CHRISTMAS BIRD COUNT (NCCH: NORTH CAROLINA CAPE HATTERAS)

Permit#: CAHA - 2013-SCI - 0017

Research Methods

The Cape Hatteras Christmas Bird Count is traditionally divided into 10-12 sectors, eight of which are located within CAHA significant areas. The areas that are covered by the Research Permit were studied on 12/27/13 by ten people in four teams. The co-investigators listed on the research permit have participated regularly in the count, thus lending expertise and consistency in techniques of finding and identifying species. Because they traditionally work in teams, bird identification is a group effort.

The compiler prepares and distributes, prior to the count, a check list that is based on the historical findings within the count area. A copy of the check list is attached. It is a record of Area 8 species seen on 12/27/13.

Beginning early in the day, with check lists in hand, the teams move through their sectors by foot and by personal vehicle. They search for and tally **all birds seen and heard**. Binoculars and telescopes are used. At the end of the day the counters meet for a tally/compilation to turn in their findings. The compiler, using a master list, gathers the findings, consolidates the information, and sends it to National Audubon. The data sent includes a list of species and their numbers, the effort involved as to distances and hours, the day's weather, and a brief comment section.

In the case of this special research permit, the information is also being shared with CAHA.

Study Locations

The Cape Hatteras Christmas Bird Count circle encompasses the South end of Hatteras Island. All of accessible CAHA has been involved since 1981. **See attached map for 2013 locations** that correspond with the following:

Area 1 - Loran Road, Ranger Station

Area 2 - Open Pond Road west to the ponds and toward Frisco Campground water tank

Area 3 - Salt Pond, Salt Pond Road, Interdunal Road, By-pass road and pond

Area 4 - Ramps 43, 44 and Cape Point

Area 5 - Ramp 45, beach from "drain" through "Hook" toward Cape Point

Area 6 - Cape Point Campground and pond area northwest of campground

Area 7 - From Rte. 12, airport area, Frisco Campground, Open Pond Road to water tank, Frisco Beach from old pier to the "drain" on the Frisco side of Ramp 45

Area 8 - Hatteras Inlet from Ramp 55, Pole Road, sound side and beach areas,

Results

A diversity of habitats resulted in a wide range of species as indicated on the attached **Chart of Data Collected**. The number of species found within CAHA: 90; within the entire count: 118. The average number for the entire count from 1981 through 2013: 133. The most success in 2013 was found in Salt Pond Area 3 with 40 species that included waterfowl, wading birds, and gulls. In Area 8, Hatteras Inlet, with 38 species, a good showing of the usual gulls was augmented by the land birds such as the sparrows and warblers that are found in the vegetated areas along the Pole Road.

Summary

Not a typical day. Species numbers were low. Other counts in the Outer Banks area had similar disappointing results. Notably missing were the usual shorebirds along the beaches from Ramp 43 to Hatteras Inlet.

Now that the count within CAHA is being established as research according to CAHA standards, it will be interesting to compare results of 2013 with those of 2014 and beyond. The Cape Hatteras Christmas Count teams look forward to being of help with the Parks' ongoing Inventory and Monitoring Program.

Study#: CAHA - 00079, Principal Investigator: Patricia J. Moore

CAPE HATTERAS CHRISTMAS BIRD COUNT - - 27 DECEMBER 2013 - - DATA COLLECTED

See attached page for details

SPECIES	AREA 1 Loran Rd	AREA 2 Open Pond	AREA 3 Salt Pond	AREA 4 Ramps 43,44 Cape Point	AREA 5 Ramp 45 Hook	AREA 6 Cape Point Campground	AREA 7 Frisco Beach	AREA 8 Hatteras Inlet
Canada Goose			40					
Tundra Swan			11					
Gadwall			250					
American Black Duck			212					
Mallard			20					
Northern Shoveler			210					
Northern Pintail			85					
Green-winged Teal			41					
Redhead			4					
Lesser Scaup			2					
Surf Scoter				10				
Black Scoter				150				1
Bufflehead			3					53
Hooded Merganser								3
Red-breasted Merganser			5	20				
Ruddy Duck			237					
Red-throated Loon				30	6			
Pied-billed Grebe	1		2					
Horned Grebe			1	8				
Northern Gannet	4			400	40		26	81
Brown Pelican	6		24	30	10		8	142
Double-crested Cormorant	15			250	150		8	451
Great Blue Heron	1	1	1					1
Great Egret	1	1	8					
Black-crowned Night Heron			1					
White Ibis			7					10
Turkey Vulture			8		3		31	

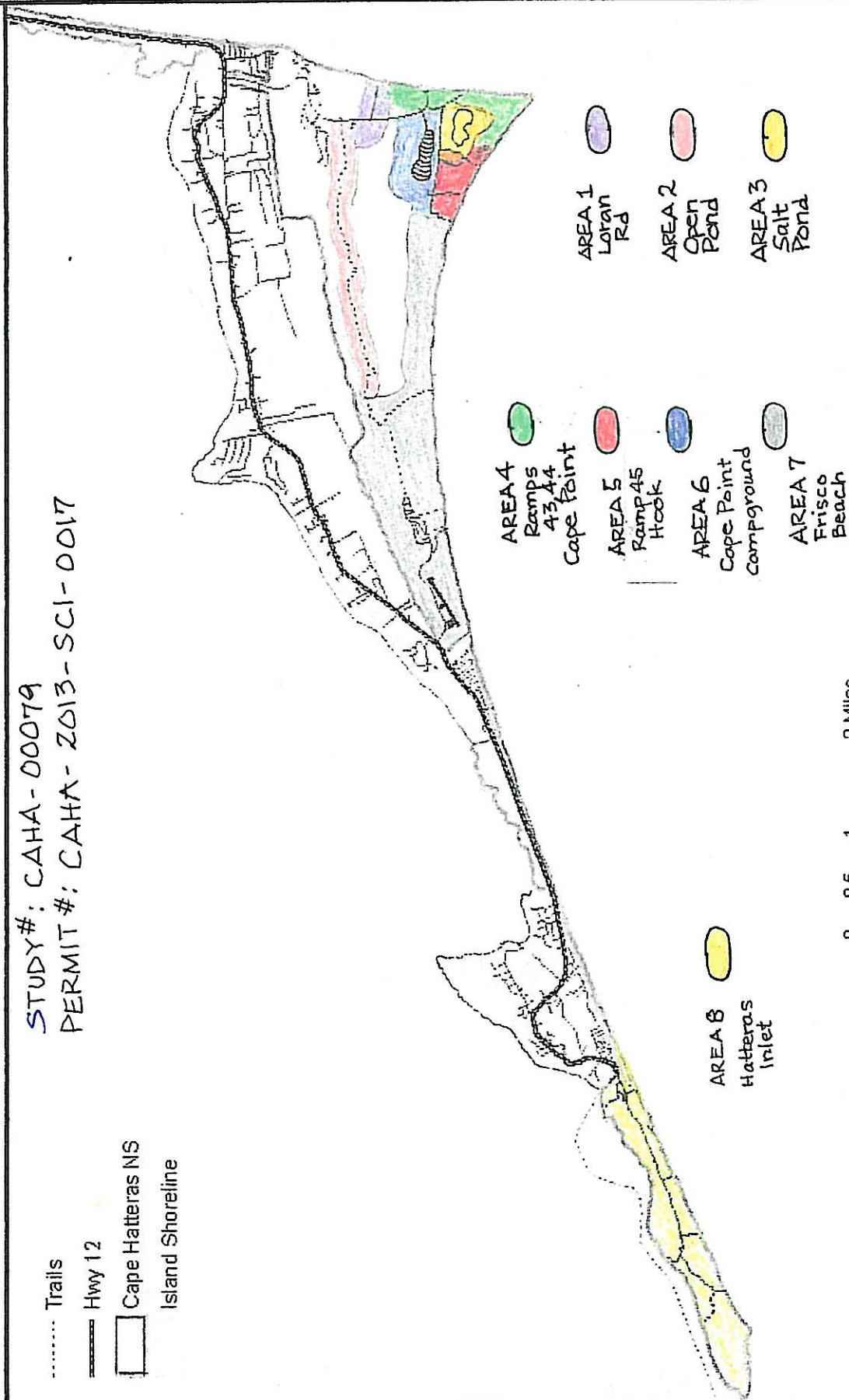
SPECIES	Loran Rd	Open Pond	Salt Pond	Ramps 43,44 Cape Point	Ramp 45 Hook	Cape Point Campground	Frisco Beach	Hatteras Inlet
Northern Harrier			1			1		
Sharp-shinned Hawk								1
Red-shouldered Hawk		1						
American Kestrel						1	2	
Merlin			1					
American Coot			100					
Black-bellied Plover				1				3
Semipalmated Plover			1	2				
Killdeer			11		10			5
Willet				5	4		1	
Ruddy Turnstone			1					
Sanderling	3			15	15			2
Dunlin			3					
Laughing Gull					1			
Bonaparte's Gull			20	50	25			1
Ring-billed Gull	10		12	150	300		25	23
Herring Gull	7	1	30	500	2500		29	104
Lesser Black-backed Gull	2		10	40	500		1	5
Glaucous Gull					1			
Great Black-backed Gull	12		6	150	300		23	41
Royal Tern								2
Razorbill				5				
Mourning Dove		7					7	5
Great Horned Owl		1						
Belted Kingfisher			1					2
Red-bellied Woodpecker		3						
Yellow-bellied Sapsucker		1						
Downy Woodpecker		1						
Northern Flicker		3					2	2
Eastern Pewee		3						
Blue-headed Vireo		2						

SPECIES	Loran Rd	Open Pond	Salt Pond	Ramps 43,44 Cape Point	Ramp 45 Hook	Cape Point Campground	Frisco Beach	Hatteras Inlet
Blue Jay		1						
American Crow		27	6				5	
Tree Swallow								15
Brown Creeper		1						
Carolina Wren		3					4	2
House Wren								4
Marsh Wren			1					
Golden-crowned Kinglet		12						
Ruby-crowned Kinglet		2						
Hermit Thrush		1						
American Robin		230					1	2
Gray Catbird								5
Northern Mockingbird		1	2				16	
Brown Thrasher							1	
Cedar Waxwing		15						
Orange-crowned Warbler		1						1
Yellow-rumped Warbler	60	360					111	328
Pine Warbler		2						
Palm Warbler			8					
Common Yellowthroat							2	3
Eastern Towhee								7
Savannah Sparrow			9				2	
Fox Sparrow		1						
Song Sparrow	2	3					5	5
Swamp Sparrow		8						5
Snow Bunting								1
Northern Cardinal		4					3	3
Red-winged Blackbird		290						14
Eastern Meadowlark						12		
Boat-tailed Grackle			6	4	6			63
Brown-headed Cowbird								4
American Goldfinch								1
	13	30	40	19	16	3	22	38

Christmas Bird Count Coverage Area 27 December 2013

STUDY #: CAHA-00079
PERMIT #: CAHA-2013-SCI-0017

- Trails
- ===== Hwy 12
- Cape Hatteras NS
- Island Shoreline



③

Distances traveled:

Total	
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Gr. Cormorant

Hours feeder watching

Least Sandpiper

Purple Sandpiper _____
Dunlin _____
Short-b. Dowitcher _____
Wilson's Snipe _____
Amer. Woodcock _____

Laughing Gull _____
Bonaparte's Gull 1 1
Ring-billed Gull 11 + 12 23
California Gull _____
Herring Gull 10 15 10 9 164
Thayer's Gull _____
Iceland Gull _____
Lesser Black-b. Gull 11 5
Glaucous Gull _____
Great Black-b. Gull 11 11 11 11 11 11 6 41
Black-le. Kittiwake _____
Forster's Tern _____
Royal Tern 11 2
Razorbill _____

Rock Pigeon _____
Eur. Collared Dove _____
Mourning Dove 11 5
E. Screech Owl _____
Gr. Horned Owl _____
Short-eared Owl _____

Ruby-thr. Hummingbird _____
Archilochus sp. _____
Hummingbird sp. _____

Belted Kingfisher 11 2
Red-b. Woodpecker _____
Yellow-b. Sapsucker _____
Downy Woodpecker _____
Northern Flicker 11 2

Eastern Phoebe _____
White-eyed Vireo _____
Blue-headed Vireo _____

Blue Jay _____
American Crow _____
Fish Crow _____
Tree Swallow 15 15

Red-br. Nuthatch _____
Brown Creeper _____
Carolina Wren 1 + 1 1 + 1 = 2
House Wren 111 4
Winter Wren _____
Sedge Wren _____
Marsh Wren _____

Blue-gr. Gnatcatcher _____
Golden-cr. Kinglet _____
Ruby-cr. Kinglet _____
Eastern Bluebird _____

Hermit Thrush _____
American Robin _____
Gray Catbird 11 5
N. Mockingbird 11 2
Brown Thrasher _____
Eur. Starling _____
American Pipit _____
Cedar Waxwing _____

Orange-cr. Warbler 1 1
Northern Parula _____
Yellow-rum. Warbler 11 15 40 10 50 10 25 35 10 50 325
Yellow-thr. Warbler _____
Pine Warbler _____
Prairie Warbler _____
Palm Warbler _____
Bl. & Wh. Warbler _____
Ovenbird _____
Common Yellowthroat 11 3

Eastern Towhee 11 7
Chipping Sparrow _____
Field Sparrow _____
Savannah Sparrow _____
"Ipswich" Sparrow _____
Nelson's Sparrow _____
Saltmarsh Sparrow _____
Seaside Sparrow _____
Fox Sparrow _____
Song Sparrow 11 5
Swamp Sparrow 11 5
White-thr. Sparrow _____
White-cr. Sparrow _____
Dark-eyed Junco _____

Snow Bunting 1 1
Northern Cardinal 111 3
Painted Bunting _____

Red-w. Blackbird 10 14
E. Meadowlark _____
Common Grackle _____
B.-tailed Grackle 22 + 2 + 4 1 34 63
Brown-h. Cowbird 4 4
Baltimore Oriole _____

House Finch _____
Pine Siskin _____
American Goldfinch 11 1
House Sparrow _____

Use this space for birds not on the list. Check with
Compiler to see if documentation is necessary.