

125.30
Barrow
1981

Canadian Wildlife Service
Cooperative Waterfowl Banding Project
Atlantic Region 1981

Introduction

The seventeenth consecutive year of cooperative banding was completed in 1981. Five bait banding stations and two airboats conducted banding operations in New Brunswick, Nova Scotia and Newfoundland - Labrador. Two new bait stations were operated at Snegamook Lake and Tinker Harbour, Labrador. Other bait banding areas were Terra Nova National Park, Newfoundland, Border Area, Nova Scotia and Bathurst, New Brunswick. The USA airboat operated in the Saint John River area near Fredericton and the CWS airboat operated various areas throughout Nova Scotia, New Brunswick and Newfoundland.

Results

A total of 3924 birds was banded in 1981 with Black Ducks, Green-winged Teal, and Blue-winged Teal being the most important numerically. Table 1 summarizes this year's banding results by province. The age and sex breakdown for the five bait stations and two airboats is shown in table form throughout Appendix A. The immature per adult ratio of 3.4 suggests that 1981 was a normal year for production.

Table 2 contains a cost analysis for this year's program. Over fifty percent of the funds was spent in Labrador on the two experimental stations.

DATA FILE

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CWS-AR
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Discussion

The most ambitious endeavor for 1981 was the establishment of the Snegamook Lake bait station and the resurrection of the Tinker Harbour bait station, both in Labrador. Because of the remoteness of these areas many unforeseen difficulties were encountered. Several individuals quit or did not show up for work because it interfered with their unemployment check. Rental of faulty equipment, high support costs and few birds all contributed to a frustrating effort in Labrador. Although only 72 birds were banded at Tinker Harbour and 27 at Snegamook Lake the outlook for 1982 is encouraging.

Bait trapping at Codroy, Newfoundland was terminated this year for night-lighting in an attempt to band more birds, eliminate excessive costs and the poaching problem. While banding the resident population was successful two attempts to band migrants were unproductive because poor weather, and an expensive engine failure terminated the effort. A total of 183 ducks was banded at Cordoy in 1981.

Bait trapping at Terra Nova National Park, Newfoundland was carried out jointly by a banding student and park personnel. Low numbers of migrant waterfowl were present this year and consequently only 19 birds were banded.

Bait trapping crews at the Border Area, Nova Scotia and at Bathurst, New Brunswick experienced successful years. The quota requirement for Black Ducks (500) was achieved by the Border station when combined with the airboat totals and 323 Black Ducks were banded at Bathurst. The Bathurst station also picked up approximately 100 recaptures.

The USA airboat night-lighting near Fredericton, New Brunswick had another exceptional year banding over one thousand birds, and meeting the Black Duck quota in less than two weeks.

A total of 1404 birds was banded by the CWS airboat working over a three month period. Extensive repairs hampered the airboat's production this year.

Recommendations

Top priority and financial assistance for 1982 should be allotted to banding in Labrador. Most equipment and banding supplies are on site at Tinker Harbour. Also, more productive areas were located near the end of this year's banding and competent help is available.

The Snegamook bait station should be replaced with a dog banding effort. No birds were captured by bait trapping but twenty-seven adult male molting Black Ducks and one adult male molting Canada Goose were captured by using a dog. Two other Black Ducks were recaptured both banded in Maine, U.S.A. It is believed that two dogs with handlers could band a large number of birds from that unique segment of the population and could also capture some local waterfowl.

The CWS airboat has been operating with an obsolete 35 year old engine that has finally given out. A decision whether to purchase a new or reconditioned engine and work areas on a limited basis or to acquire a new boat is required.

The USA airboat has had fantastic success the past two seasons in working an area by achieving their goal in a very short time and should be continued in 1982.

The Bathurst and Border area bait stations should be continued for quota requirements and to provide some stability to Atlantic Provinces data not likely to be attained at the other bait stations.

W. R. Barrow

Table 1. Total species banded by province - 1981

Species	New Brunswick	Nova Scotia	Newfoundland	Total
Black Duck	1047	733	106	1886
Mallard	34	11	-	45
Black X Mallard	38	11	-	49
Green-winged Teal	154	246	109	509
Blue-winged Teal	665	207	20	892
American Wigeon	57	56	16	129
Pintail	20	24	70	112
Wood Duck	47	22	1	72
Ring-necked Duck	23	119	1	143
Shoveler	26	6	1	33
Goldeneye	11	-	-	11
Hooded Merganser	-	5	-	5
Red-breasted Merganser	1	-	1	2
American Coot	-	12	-	12
Common Gallinule	1	3	-	4
Pied-billed Grebe	-	19	-	19
Canada Goose	-	-	1	1
	2124	1474	326	3924

Appendix A. Age and Sex Breakdown - Border Area 1981

SPECIES	LOCAL				HATCHING YEAR				AFTER HATCHING YEAR				TOTALS			
	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total
Black Duck	13	11	-	24	228	121	-	349	56	43	-	99	297	175	1	473
Black X Mall.	3	-	-	3	5	1	-	6	-	1	-	1	8	2	-	10
Mallard	-	-	-	-	-	2	-	2	2	-	-	2	2	2	-	4
B.w. Teal	6	4	-	10	9	11	-	20	12	6	-	18	27	21	-	48
G.w. Teal	-	-	-	-	7	8	-	15	38	11	-	49	45	19	-	64
Wood Duck	-	-	-	-	-	-	-	-	2	-	-	2	2	-	-	2
R.n. Duck	29	34	-	63	2	6	-	8	1	8	-	9	32	48	-	80
Hooded Merg.	-	-	-	-	-	2	-	2	-	-	-	-	-	2	-	2
A. Coot	-	-	8	8	-	-	-	-	-	-	2	2	-	-	10	10
P.b. Grebe	-	-	4	4	-	-	14	14	-	-	1	1	-	-	19	19
Totals	51	49	12	112	251	151	14	416	111	69	3	183	413	269	30	712

Black Duck total includes 1 replaced band

Appendix A. Age and sex breakdown - Bathurst, New Brunswick, 1981

SPECIES	LOCAL				HATCHING YEAR				AFTER HATCHING YEAR				TOTALS			
	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total
Black Duck					90	68	-	158	64	58	1	123	154	126	1	281
Mall. X Black					17	-	-	17	15	-	-	15	32	-	-	32
Mallard					2	-	-	2	1	1	-	2	3	1	-	4
G.w. Teal					-	4	-	4	-	-	-	-	-	4	-	4
Pintail					-	1	-	1	-	-	-	-	-	1	-	1
R.b. Merg.					1	-	-	1	-	-	-	-	1	-	-	1
Total					110	73		183	80	59	1	140	190	132	1	323

Black Duck total includes one replaced band

Appendix A . Age and Sex Breakdown - USA Airboat 1981
 Saint John River, New Brunswick

SPECIES	LOCAL				HATCHING YEAR				AFTER HATCHING YEAR				TOTALS			
	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total
Am. g.w. Teal	46	48	-	94	9	3	-	12	20	3	-	23	75	54	-	129
B.w. Teal	218	169	-	387	34	22	-	56	89	25	-	114	341	216	-	557
Shoveler	13	11	-	24	-	-	-	-	1	-	-	1	14	11	-	25
Wood Duck	13	12	-	25	-	-	-	-	9	-	-	9	22	12	-	34
Am. Wigeon	15	22	-	37	3	1	-	4	8	3	-	11	26	26	-	52
C. Goldeneye	4	5	-	9	2	-	-	2	-	-	-	-	6	5	-	11
R.n. Duck	1	2	-	3	-	-	-	-	-	-	-	-	1	2	-	3
Black Duck	133	127	-	260	110	129	-	239	2	10	-	12	245	266	-	511
Mallard	-	4	-	4	3	6	-	9	4	1	-	5	7	11	-	18
Mal. x Blk.	1	-	-	1	4	-	-	4	-	-	-	-	5	-	-	5
Pintail	6	4	-	10	1	1	-	2	-	-	-	-	7	5	-	12
Total	450	404	-	854	166	162	-	328	133	42	-	175	749	608	-	1357

Blue-winged Teal total includes one replaced band

Appendix A . Age and Sex Breakdown, CWS Airboat - 1981

SPECIES	LOCAL				HATCHING YEAR				AFTER HATCHING YEAR				TOTALS			
	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total
Black Duck	43	42	-	85	238	191	4	433	11	36	-	47	292	269	4	565
B.w. Teal	30	22	-	52	83	56	-	139	69	27	-	96	182	105	-	287
G.w. Teal	8	19	-	27	64	60	-	124	85	49	-	134	157	128	-	285
Am. Wigeon	25	24	-	49	11	4	-	15	8	5	-	13	44	33	-	77
Pintail	10	3	-	13	24	17	-	41	-	3	-	3	34	23	-	57
R.n. Duck	18	26	-	44	2	3	-	5	3	8	-	11	23	37	-	60
Wood Duck	2	-	-	2	1	1	-	2	27	3	-	30	30	4	-	34
N. Shoveler	1	1	-	2	-	1	1	2	1	3	-	4	2	5	1	8
H. Merg.	-	1	-	1	1	1	-	2	-	-	-	-	1	2	-	3
R.b. Merg.	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1
Am. Coot	-	-	1	1	-	-	-	-	-	-	1	1	-	-	2	2
C. Gallinule	-	-	4	4	-	-	-	-	-	-	-	-	-	-	4	4
Blk X Mal. X Hyb.	-	-	-	-	1	1	-	2	-	-	-	-	1	1	-	2
Mallard	5	5	-	10	5	-	-	5	-	4	-	4	10	9	-	19
Totals	142	143	5	290	430	335	5	770	204	139	1	344	776	617	11	1404

Appendix A . Age and Sex Breakdown - Tinker Harbour, Labrador 1981

Species	Local				Hatch Year				After Hatch Year				Unk. Male	Totals			
	M	F	U	T	M	F	U	T	M	F	U	T		M	F	U	T
Pintail	13	16	-	29	4	6	-	10	1	2	-	3		18	24	-	42
G.w. Teal	2	2	-	4	6	5	-	11	9	2	-	11	1	18	9	-	27
Black Duck	2	-	-	2	-	-	-	-	1	-	-	1		3	-	-	3
Totals	17	18	-	35	10	11	-	21	11	4	-	15	1	39	33	-	72

Appendix A . Age and Sex Breakdown - Newfoundland-Labrador Banding 1981

Area	Species	Local	Hatch Year	After Hatch Year	Unknown M	Totals
Tinker Harbour*	Pintail	29	10	3	-	42
	G.w. Teal	4	11	11	1	27
	Black Duck	2	-	1	-	3
	Total	35	21	15	1	72
Snegamook Lake**	Black Duck			27		27
	Canada Goose			1		1
	Total			28		28
Terra Nova Nat'l. Park*	Black Duck		14	5		19
Codroy River***	Green-winged Teal	6	60	11		77
	Black Duck	14	21	4		39
	Pintail	10	18	-		28
	Blue-winged Teal	14	5	1		20
	Am. Wigeon	14	2	0		16
	Wood Duck	-	-	1		1
	Shoveler	1	-	-		1
	R.b. Merganser	-	-	1		1
	Total	59	106	18		183
Birchy Basin***	Black Duck	6	9	3		18
	Green-winged Teal	1	2	2		5
	Ring-necked Duck	-	-	1		1
	Total	7	11	6		24

* Bait Banding

** Dog Banding

*** Night-lighting

Appendix A . Age and Sex Breakdown, Dog Banding, 1981

SPECIES	LOCAL				HATCHING YEAR				AFTER HATCHING YEAR				TOTALS			
	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total	Male	Female	Unk.	Total
Black Duck*									27				27			27
Canada Goose*									1				1			1
Black Duck	4	3											4	3		7
Pintail		2												2		2
Total	4	5							28				32	5		37

*Birds banded at Snegamook Lake, Labrador

Table 2. Co-operative Waterfowl Banding Cost Analysis - Atlantic Provinces - 1981

Station	Salaries	Cracked Corn	Vehicle Food & Lodging	Air Charter Boat Rentals	Material Supplies & Repairs	Total Cost	No. of Birds	Cost/ Bird	No. of Black Ducks	Cost/ Black Ducks
Border Area	*1980.00 1825.00	*106.40 301.90	*198.86	-	*30.00 18.00	4460.16	712	6.26	473	9.42
Bathurst	*2105.00 400.00	*62.80 42.00	*172.00	-	18.00	2799.80	323	8.67	281	9.96
Snegamook Lk.	*4188.75 1250.00	145.00	*106.75 350.00	*1247.00 2470.00	*25.00	9782.50	28	349.38	27	362.31
Tinker Hrb.	*6400.00 2250.00	229.40	*2817.34 150.00	*3756.25	*225.00 276.58	16104.57	72	223.67	3	5368.19
CWS Airboat	*3200.00 2325.00	-	*1657.23 650.00		2989.58	10821.81	1404	7.71	565	19.15
USA Airboat	**1800.00 500.00	-	*150.00 **866.00	*100.00 **506.00	**140.00	4062.00	1357	2.99	511	7.95
Terra Nova National Park	*750.00 750.00	*52.00	*677.46	-	-	2229.46	19	117.34	19	117.34
	29723.75	939.50	7795.64	8079.25	3722.16	50260.30	3915	12.84	1879	26.75

CWS Funds
*Co-op Funds
**Bureau Sport Fisheries and Wildlife

Total CWS Funds 16940.46
Total Co-op Funds 30007.84
Total BSF & W Funds 3312.00

Nine dog banded birds are not included in above station totals.

Breakdown of Co-operative Spending

Atlantic Provinces

1981

1981 Balance		840.85
1982 Grant in Aid		30,030.90
1982 Expenses	- Salaries	18,623.75
	Corn	221.20
	Travel	5,779.64
	Air & Boat charter	5,103.25
	Supplies & Repairs	280.00
	Service charges	26.02
		30,033.86
		30,871.75
BALANCE		<u>837.89</u>

Approved by:

W. R. WhitmanW. R. Whitman
Surveys Biologist
CWS

Submitted by:

W. R. BarrowW. R. Barrow
Wildlife Technician
CWS

Summary of Preseason Banding
 Atlantic Provinces
 July 21 - September 29, 1981
 Permit # 10417

Agency	Station	Black Duck	Mallard	Blk. X Mallard	G.-w. Teal	B.-w. Teal	Am. Wigeon	Pintail	Northern Shoveler	Wood Duck	R.-n. Duck	Common Goldeneye	Hooded Merganser	R.-b. Merganser	Canada Goose	Misc. sp*	Total
CWS	N.B.-N.S. Border	473	4	10	64	48				2	80		2			29	712
CWS	N.B.N.R. Bathurst	281	4	32	4			1						1			323
CWS	Tinker Hrb.	3			27			42									72
CWS	Dog banding Maritimes & Snegamook Lk.	34						2							1		37
CWS & DOE	Terra Nova National Park	19															19
B.S. F&W USA	USA Airboat	511	18	5	129	557	52	12	25	34	3	11					1357
CWS	CWS Airboat	565	19	2	285	287	77	57	8	34	60		3	1		6	1404
TOTAL		1886	45	99	509	892	129	114	33	70	143	11	5	2	1	35	3924

Misc. species consist of: American Coot - 12; Common Gallinule - 4; Pied-billed Grebe - 19

Three replaced bands, 2 Black Duck and 1 Blue-winged Teal are included in above totals.

CREW LEADER REPORT
1981 Co-operative Banding Program
Atlantic Flyway

1981 Preseason Banding Report by: G. Simard

Banding Station Location: Snegamook Lake, Labrador

Co-ordinates: 543 0614 Period Operated: 1 July - 1 August

Names and Addresses of Crew:

Greg Simard
Swanton, Vt.
U.S.A.

Terry Best
Goose Bay, Lab.

Jarvis Latto
Lans-Aux Clair
Lab.

Summary of Birds Banded (See Banding Office Instructions)

Species	L	HY	AHY	*	*	Total
Black Duck			27			27
Canada Goose			1			1
Grand Total			28			28

*Blank columns for additional age designations. Please enter Alpha Code which applies at head of column.

Remarks (Birds present, bait, traps, problems, and recommendations):

Very poor year as only birds banded were with a dog.

Station:

Period covered:

Reporter's name:

ACTUAL DIRECT COSTS (at Station only)

	<u>Name and/or item</u>	<u>Cost</u>
A. Salaries		
(Leader and crew)	Simard, Latto, Best	4188.75
	Barrow - Wade	1250.00

B. Volunteer Labour		
(Name and hours)	.....	.....

C. Subsistence		
1. Travel to job		
area (names)	Air charter	1247.00
	Air charter	2470.00

2. Meals (names)	Simard	106.75
	Barrow & Wade	350.00

3. Lodging (names)	.....	.....

D. Operation of Equipment (Actual Cost, do not figure depreciation)

- 1. Vehicles
- 2. Boats
- 3. Planes
- 4. Helicopters
- 5. Other (list)

E. Materials and Supplies (Expendable) (Prorate where necessary)

Corn	145.00
Misc. supplies	25.00
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F. Other (List and prorate as necessary)

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G. Were Co-operative State funds used in any of the above expenditures?

yes no

Date prepared November 27, 1981

CREW LEADER REPORT
1981 Co-operative Banding Program
Atlantic Flyway

1981 Preseason Banding Report by: Spalding & Flemming

Banding Station Location: Amherst, Nova Scotia

Co-ordinates: 454 0671 Period Operated: July 29 - September 5

Names and Addresses of Crew:

Edgar Spalding
Economy, Nova Scotia

Ian Flemming
Antigonish, Nova Scotia

Summary of Birds Banded (See Banding Office Instructions)

Species	L	HY	AHY	*	*	Total
Black Duck	24	349	99	1		473
Blk X Mallard	3	6	1			10
Mallard		2	2			4
B.-w. Teal	10	20	18			48
G.-w. Teal		15	49			64
Wood Duck			2			2
R.-n. Duck	63	8	9			80
H. Merganser		2				2
A. Coot	8		2			10
P.-b. Grebe	4	14	1			19
Grand Total	112	416	183	1		712

*Blank columns for additional age designations. Please enter Alpha Code which applies at head of column.

Remarks (Birds present, bait, traps, problems, and recommendations):

Good year with Black Duck quota requirement met. Total waterfowl figure was down as Blue-winged Teal and Black Ducks were slow migrating because of very warm weather during the latter half of the banding period.

Station:

Period covered:

Reporter's name:

ACTUAL DIRECT COSTS (at Station only)

	<u>Name and/or item</u>	<u>Cost</u>
A. Salaries		
(Leader and crew)	E. Spalding S. Flemming	1980.00
	W. R. Barrow - S. Flemming	1825.00

B. Volunteer Labour		
(Name and hours)	.....	.....

C. Subsistence		
1. Travel to job		
area (names)	S. Flemming	198.86

2. Meals (names)	.....	.....

3. Lodging (names)	.....	.....

D. Operation of Equipment (Actual Cost, do not figure depreciation)

- 1. Vehicles
- 2. Boats
- 3. Planes
- 4. Helicopters
- 5. Other (list)

E. Materials and Supplies (Expendable) (Prorate where necessary)

Corn	301.90
Corn	106.40
Supplies	30.00
Supplies	18.00

F. Other (List and prorate as necessary)

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G. Were Co-operative State funds used in any of the above expenditures?

yes no

Date prepared November 27, 1981

CREW LEADER REPORT
1981 Co-operative Banding Program
Atlantic Flyway

1981 Preseason Banding Report by: W. R. Barrow

Banding Station Location: Terra Nova National Park

Co-ordinates: 483-0535 Period Operated: 15 Sept 30 Oct

Names and Addresses of Crew: E. Wade
Fredericton, N.B.

Summary of Birds Banded (See Banding Office Instructions)

Species	L	HY	AHY	*	*	Total
Black Duck	-	14	5			19
Grand Total						

*Blank columns for additional age designations. Please enter Alpha Code which applies at head of column.

Remarks (Birds present, bait, traps, problems, and recommendations):

Very few migrants around trapping location contributed to poor success.

Station:

Period covered:

Reporter's name:

ACTUAL DIRECT COSTS (at Station only)

	<u>Name and/or item</u>	<u>Cost</u>
A. Salaries		
(Leader and crew)	E. Wade	1500.00

B. Volunteer Labour		
(Name and hours)	National Park personnel	

C. Subsistence		
1. Travel to job		
area (names)	E. Wade	677.46

2. Meals (names)	.....	.....

3. Lodging (names)	.....	.....

D. Operation of Equipment (Actual Cost, do not figure depreciation)

- 1. Vehicles
- 2. Boats
- 3. Planes
- 4. Helicopters
- 5. Other (list).....

E. Materials and Supplies (Expendable) (Prorate where necessary)

corn	52.00
.....
.....

F. Other (List and prorate as necessary)

.....
.....
.....

G. Were Co-operative State funds used in any of the above expenditures?

yes no

Date prepared November 26, 1981

CREW LEADER REPORT
1981 Co-operative Banding Program
Atlantic Flyway

1981 Preseason Banding Report by: John Lortie

Banding Station Location: Bathurst, New Brunswick

Co-ordinates: 473 0653 Period Operated: September 3, 1981-

October 27, 1981

Names and Addresses of Crew:

John Lortie
Orno, Maine, U.S.A.

Summary of Birds Banded (See Banding Office Instructions)

Species	L	HY	AHY	*	*	Total
Black Duck	-	158	123			281
Blk. X Mal.	-	17	15			32
Mallard	-	2	2			4
G.w. Teal	-	4	-			4
Pintail	-	1	-			1
R.b.Merganser	-	1	-			1
Grand Total	-	183	140			323

*Blank columns for additional age designations. Please enter Alpha Code which applies at head of column.

Remarks (Birds present, bait, traps, problems, and recommendations):

Slow compared to previous years. Fine weather throughout most of the trapping season enabled birds to stay along coast and out of the trapping area.

Station: Bathurst, N.B.

Period covered: Sept. - Oct.

Reporter's name: J. Lortie

ACTUAL DIRECT COSTS (at Station only)

	<u>Name and/or item</u>	<u>Cost</u>
A. Salaries		
(Leader and crew)	J. Lortie	2015.00
	W. R. Barrow	400.00
B. Volunteer Labour		
(Name and hours)	T. Megher	
	C. MacAlleenan	
C. Subsistence		
1. Travel to job		
area (names)	J. Lortie	172.00
2. Meals (names)		
3. Lodging (names)		

D. Operation of Equipment (Actual Cost, do not figure depreciation)

- 1. Vehicles
- 2. Boats
- 3. Planes
- 4. Helicopters
- 5. Other (list)

E. Materials and Supplies (Expendable) (Prorate where necessary)

Supplies	18.00
corn	62.00
corn	42.00

F. Other (List and prorate as necessary)

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.....
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G. Were Co-operative State funds used in any of the above expenditures?

yes no

Date prepared November 26, 1981

CREW LEADER REPORT
1981 Co-operative Banding Program
Atlantic Flyway

1981 Preseason Banding Report by: B. McKee, V. Stotts

Banding Station Location: Tinker Hrb. Lab.

Co-ordinates: S41-0574 Period Operated: 13 July - 23 Aug.

Names and Addresses of Crew:

Robert McKee Maryland, U.S.A.	Vern Stotts Maryland, U.S.A.	Murray & Ken Michelin Rigolet, Lab.
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Summary of Birds Banded (See Banding Office Instructions)

Species	L	HY	AHY	*	*	Total
Pintail	29	10	3			42
G.w. Teal	4	11	11	1		27
Black Duck	2	-	1			3
Grand Total	35	21	15	1		72

*Blank columns for additional age designations. Please enter Alpha Code which applies at head of column.

Remarks (Birds present, bait, traps, problems, and recommendations):

Experimental station overcame many hardships which should contribute to a successful season next year.

Station:

Period covered:

Reporter's name:

ACTUAL DIRECT COSTS (at Station only)

	<u>Name and/or item</u>	<u>Cost</u>
A. Salaries		
(Leader and crew)	McKee-Stotts-Michelin	6400.00
	Whitman & Barrow	2250.00
B. Volunteer Labour		
(Name and hours)		
C. Subsistence		
1. Travel to job		
area (names)	Air and Boat charter	3756.25
2. Meals (names)		
		2817.34
3. Lodging (names)	McKee-Stotts-Whitman	150.00

D. Operation of Equipment (Actual Cost, do not figure depreciation)

- 1. Vehicles
- 2. Boats
- 3. Planes
- 4. Helicopters
- 5. Other (list)

E. Materials and Supplies (Expendable) (Prorate where necessary)

Material & Supplies	225.00
.....	276.58
.....	

F. Other (List and prorate as necessary)

.....

.....

.....

G. Were Co-operative State funds used in any of the above expenditures?

yes no

Date prepared November 27, 1981

CREW LEADER REPORT
1981 Co-operative Banding Program
Atlantic Flyway

1981 Preseason Banding Report by: W. R. Barrow

Banding Station Location: CWS Airboat - Maritimes

Co-ordinates: _____ Period Operated: July 21, 1981

Names and Addresses of Crew:

Eric Wade	Mike Green	Randy Hicks	Tim Bowman
Fredericton, N.B.	Sackville, N.B.	Sackville, N.B.	Maine, U.S.A.

Summary of Birds Banded (See Banding Office Instructions)

Species	L	HY	AHY	*	*	Total
Black Duck	85	437	47			565
Mallard	10	5	4			19
Blk X Mallard		2				2
G.-w. Teal	27	124	134			285
B.-w. Teal	52	139	96			287
Am. Wigeon	49	15	13			77
Pintail	13	41	3			57
R.-n. Duck	44	5	11			60
N. Shoveler	2	2	4			8
H. Merganser	1	2				3
R.-b. Merganser			1			1
Am. Coot	1		1			2
C. Gallinule	4					4
Wood Duck	2	2	30			34
Grand Total	290	770	344			1404

*Blank columns for additional age designations. Please enter Alpha Code which applies at head of column.

Remarks (Birds present, bait, traps, problems, and recommendations):

Untimely breakdowns limited production in key areas during 1981

Station: CWS Airboat

Period covered: 21 July - 30 Sept.

Reporter's name: W. R. Barrow

ACTUAL DIRECT COSTS (at Station only)

	<u>Name and/or item</u>	<u>Cost</u>
A. Salaries		
(Leader and crew)	Mike Green	1500.00
	Tim Bowman	1500.00
	E. Wade	1525.00
	R. Hicks - W. Barrow	1000.00
B. Volunteer Labour		
(Name and hours)		
C. Subsistence		
1. Travel to job		
area (names)	Green, Wade, Bowman, Hicks	1657.23
2. Meals (names)		
3. Lodging (names)		

D. Operation of Equipment (Actual Cost, do not figure depreciation)

- | | | |
|-----------------|-------------|--------|
| 1. Vehicles | 4 X 4 truck | 650.00 |
| 2. Boats | | |
| 3. Planes | | |
| 4. Helicopters | | |
| 5. Other (list) | | |

E. Materials and Supplies (Expendable) (Prorate where necessary)

repairs & supplies 2989.58

F. Other (List and prorate as necessary)

G. Were Co-operative State funds used in any of the above expenditures?

yes no

Date prepared November 26, 1981

CREW LEADER REPORT
1981 Co-operative Banding Program
Atlantic Flyway

1981 Preseason Banding Report by: Harold Laskowski

Banding Station Location: Saint John River, Fredericton

Co-ordinates: — Period Operated: 22 July - 30 July

Names and Addresses of Crew:

Harold Laskowski	Mike McMinn	Eric Wade
Great Swan NWR	Mackay Is., NWR	Fredericton, N.B.
U.S.A.	U.S.A.	

Summary of Birds Banded (See Banding Office Instructions)

Species	L	HY	AHY	*	*	Total
Am.G.-w.Teal	94	12	23			129
B-w.-Teal	387	56	114			557
Shoveler	24		1			25
Wood Duck	25		9			34
Am. Wigeon	37	4	11			52
C. Goldeneye	9	2	-			11
R.-n. Duck	3					3
Black Duck	260	239	12			511
Mallard	4	9	5			18
Grand BTK X Mal.	1	4				5
Total Pintail	10	2				12

*Blank columns for additional age designations. Please enter Alpha Code which applies at head of column.

(Total 854 328 175 1357

Remarks (Birds present, bait, traps, problems, and recommendations):

Everything went Great!

Station: Saint John River Marshes, N.B.
Fredericton

Period covered: July 22 - July 30, 1981

Reporter's name: Harold Laskowski

ACTUAL DIRECT COSTS (at Station only)

	<u>Name and/or item</u>	<u>Cost</u> U.S.\$
A. Salaries (Leader and crew)	Harold Laskowski	900
	Michael McMinn	900
	Eric Wade 9 days	500
B. Volunteer Labour (Name and hours)		
C. Subsistence		
1. Travel to job area (names)	M. McMinn	\$200. Gov. Veh.
2. Meals (names)	H. Laskowski	253
	M. McMinn	253
3. Lodging (names)	H. Laskowski	80
	M. McMinn	80

D. Operation of Equipment (Actual Cost, do not figure depreciation)

1. Vehicles 86 fuel
2. Boats 420
3. Planes 100
4. Helicopters
5. Other (list)

E. Materials and Supplies (Expendable) (Prorate where necessary)

Misc. 40
.....
.....

F. Other (List and prorate as necessary)

Boat repairs 100
.....
.....

G. Were Co-operative State funds used in any of the above expenditures?

yes no

Date prepared November 26, 1981