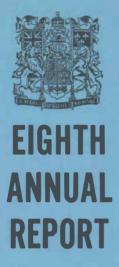
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GOVERNMENT DOCUMENTS



ON ACTIVITIES UNDER THE MARITIME MARSHLAND REHABILITATION ACT FOR THE FISCAL YEAR ENDED MARCH 31, 1957

MARITIME MARSHLAND REHABILITATION ADMINISTRATION CANADA DEPARTMENT OF AGRICULTURE

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EIGHTH ANNUAL REPORT ON ACTIVITIES UNDER THE MARITIME MARSHLAND REHABILITATION ACT 1956/57

INTRODUCTION

The Maritime Marshland Rehabilitation Act was passed by the Parliament of Canada on June 30, 1948. This Act defines the responsibilities of Canada and provided for the establishment of an organization, under the direction of the Minister of Agriculture to carry them out. The passing of the Act permitted the signing of agreements with the Provinces of Nova Scotia, New Brunswick and Prince Edward Island for the joint reclamation and development of tidal marshland.

The terms of the agreements define the responsibilities of Canada and the Provinces, and are briefly as follows:

Canada provides the necessary engineering services for all works and undertakes the construction or reconstruction of protective works required to prevent tidal flooding (dykes, aboiteaux and breakwaters). Canada also maintains the protective works until this responsibility is assumed by the Province concerned.

The Provinces organize and negotiate agreements with groups of marshland owners before any work is commenced. They undertake the construction and maintenance of fresh water drainage ditches, arrange for the necessary rights-of-way and responsible for the development and promotion of an effective land-use program.

The marshland areas of the Maritime Provinces are, for the most part, adjacent to rivers flowing into the Bay of Fundy, or lie along the banks of the upper reaches of the Bay itself. They are estimated to comprise some 100,000 acres, not all of which can or will be ultimately reclaimed. These particular lands or soils high in potential fertility, have contributed greatly to the agricultural production and economy of the areas in which they are located. Some were originally reclaimed over 320 years ago and as development progressed they formed essential parts of many Bay of Fundy farms, supplementing adjacent upland holdings. Various factors have contributed to the need for national assistance in maintaining protection for these areas. Without assistance the farms concerned could not survive as productive enterprises because the upland fields alone would be inadequate.

ORGANIZATION OF THE MARITIME MARSHLAND REHABILITATION ADMINISTRATION

The headquarters of the Administration was established during 1949 at Amherst, Nova Scotia. Work performed under the terms of the Act is directly controlled by a Director who is responsible to the Deputy Minister of Agriculture in Ottawa. The organization is as follows:

- (a) Administration and Accounting Branch
- (b) Engineering Branch -
 - (1) Surveys and design
 - (2) Construction
 - (3) Workshop and Equipment

The Engineering Branch is directed by a Chief Engineer and is primarily composed of professional and technical personnel. District Offices are maintained at Moncton, New Brunswick and Windsor, Nova Scotia. Field construction offices, and sub-district offices are established and maintained according to the requirements of the work to be undertaken. A limited amount of construction equipment is maintained and operated to supple-

that which is available from local construction firms.

MARITIME MARSHLAND REHABILITATION ADVISORY COMMITTEE

In accordance with Section 8 of the Maritime Marshland Rehabilitation Act an Advisory Committee was established in 1949. The Act states "No work shall be undertaken in any Province..... unless (a) the work has been recommended by an Advisory Committee....".

The Committee convened on three occasions during the past year (twenty eight meetings to date) to consider matters placed before it and to make recommendations respecting works to be undertaken to protect marsh areas, or projects, from tidal flooding.

To date the Provinces of Nova Scotia and New Brunswick have requested that consideration be given to 82 and 42 areas respectively (See Appendix I Active and Non-Active Projects). (Note: Variance with previous project listings is due to grouping or consolidating several smaller areas into large areas for purposes of administration). The recommendations of the Committee with respect to the reclamation of these areas has been as follows:

	N.S.	N.B.
Recommended complete reclamation	- 54	29
Recommended reclamation, portion of	area-15	5
Recommended no reclamation	- 3	7
Recommended no reclamation other tha	an	
temporary maintenance	-	1
Decision pending	- 3	-
Not yet considered	7	NATE OF THE PARTY
	82	42

It will be noted from the above table that the Committee has considered and dealt with all present projects or areas in New Brunswick.

Prince Edward Island requested that consideration be given to one area and the area and the Committee recommended it be reclaimed.

ACCOMPLISHMENTS TO DATE

(a) Projects and Acreages

No project or area is considered for reclamation unless it has been appropriately recommended by the Province concerned. During the past year the Province of Nova Scotia requested consideration be given to five areas, comprising 430 acres. No requests were received from New Brunswick or Prince Edward Island.

Appendix I lists those areas, Active and Non-Active Projects, with acreages, which have been, or are being considered as of March 31st, 1957.

A summary of acreages is as follows:

A. Active Projects

	Protected	Unprotected (Salt marsh)	Total
Nova Scotia	37,376	10,065	47,441
New Brunswick	35,737	3, 437	39, 174
Prince Edward Island	275	PART OF THE THE THE THE	275
	73, 388	13, 502	86, 890

It is considered the above acreage forms an integral part of some 500,000 acres

of farmland.

B. Non-Active Projects

Nova Scotia 2, 217

New Brunswick 1, 887

4, 104

Total acreage for which the Provinces have requested consideration

- 90,994.

Note: The discrepancy between this total and that of the previous report, except as noted above, is a result of additional areas being included with, or added to, projects which has been in existence for some time.

(b) Protection to Various Utilities

The program of marshland protection is usually considered to protest agricultural land. However, the following utilities and urban properties are also afforded protection in that they are located on areas protected by dykes:

Nova Scotia -

- 19.2 miles paved road
- 18.2 miles gravel road
- 9.4 miles market road
- 22.6 miles railroad grade
- 12.7 miles power and telephone line poles
 - 1 sewage control station
 - 2 sewage disposal lines
 - 2 grave yards and connecting road
 - 1 gypsum plant

Town streets and property in 4 towns.

12 Aboiteaux which are also highway or road crossings.

New Brunswick -

- 9.8 miles paved road
- 20.2 miles gravel road
- 0.9 miles market road
- 10.5 miles railroad grade
 - 0.5 miles narrow gauge railroad
 - 0.2 miles sewage disposal line
 - 2 C.N.R. Stations
 - 1. 2 miles town streets and other property in town of Sackville.
 - 1 Gypsum plant
 - 5 aboiteaux which are also highway or road crossings.
 - 1 aboiteaux which is also a railroad river crossing Canadian Broadcastings Corporation (C. B. A.)
 Transmission towers and property.

(c) Property Owners

The number of property owners by counties according to information available, who are involved in the program of rehabilitation, and who have been organized into incorporate Marsh Bodies by the Provinces is approximately as follows:

Nova Scotia:

Annapolis Co. - 359
Colchester Co. - 268
Cumberland Co. - 290
Digby Co. - 16
Hants Co. - 369
Kings Co. - 400
Yarmouth Co. - 81
1783

New Brunswick:

Albert Co. 294
Westmorland Co. - 1210
1504

Prince Edward Island:

Queens Co. - 17

(d) Acreage gained by reclamation

During the process of reconstructing dykes and aboiteaux it is frequently necessary that the dyke lines and aboiteaux locations be set back from existing sites. In doing so some land previously protested is "turned out to sea". Conversely the new locations are sometimes outside existing structures and additional land is protected.

In the case of several projects land not previously protected, or land which has been "out to sea" for a number of years, is provided protection by new or relocated dykes and aboiteaux.

The net acreage gained to date has been as follows:

Nova Scotia 3759 acres
New Brunswick 4594 acres
Prince Edward Island 275 acres
8,628 acres

(e) Construction of Works - 1956

Construction of protective works continued at a rapid pace during 1956. Several new contracts were awarded for dyke construction. These, and those carried over from 1955, were completed. Progress was made in the installation and repair of aboiteaux, the placing of special dyke facing and stream bank protective works. The establishment of vegetative cover on dykes continued with generally satisfactory results. Work of this nature was mainly carried out on the following projects, others receiving clean up and maintenance care only:

Nova Scotia:

N.S.	4 Queen Anne,	Anna.	Co	continuation of protective dyke facing and
				facing and river bank control.

N.S. 8 Grand Pre, Kings Co. - reconstruction of large aboiteau and maintenance of other structures.

N.S. 13 Dentiballis, Anna Co. - continuation of protection dyke facing.

N.S. 14 Elderkin, Hants Co.

- construction of dyke and an aboiteau to reclaim additional land also clean up of works on other portions of this project.

N.S. 15 Isgonish, Col. Co. - repair to spillway structure

N.S. 18 Ryerson, Anna Co. - continuation of protective dyke facing.

N. S. 20 Advocate Cumb. Co. - continuation of protective dyke facing.

N.S. 23 Masstown, Col. Co. - construction of dyke and an aboiteau to reclaim additional land.

- N.S. 24 Noel Shore, Hants Co.
- construction of dyke and aboiteaux to protect land already reclaimed as well as to protect new areas.
- N.S. 27 Newport Town, Hants Co.
- protective dyke facing.
- N.S. 30 Allan River, Anna Co.
- maintenance of old structures and some protective dyke facing.
- N.S. 45 Barronsfield, Cumb Co.
- clean up of previous construction work and protective dyke facing.
- N.S. 53 John Lusby, Cumb Co.
- dyke facing and bringing protective structures up to standard.
- N.S. 54 Minudie, Cumb Co.
- completion of works, and preparation for dyke seeding as well as placement of dyke facing.
- N.S. 55 Seaman, Cumb Co.
- dyke facing.
- N.S. 56 Wellington, Kings Co.
- replacement of an aboiteau, reconstruction of dyke and dyke protection.
- N.S. 65 Bishop Beckwith, Kings Co.
- completion of dyke reconstruction and dyke protection.
- N.S. 69 Martock, Hants Co.
- Dyke facing and repair of large aboiteau.
- N.S. 71 Goose Bay, Yarmouth Co.
- installation of an aboiteau and sealing connecting dyke.
- N.S. 80 Starr's Point, Kings Co.
- completion of dyke and aboiteau construction.
- N.S. 82 Kentville, Kings Co.
- reconstruction of dyke and installation of aboiteaux.
- N.S. 85 Mantua Poplar Grove, Hants
- reconstruction of dyke, installation of aboiteaux and stream bank control measures.
- N.S. 87 Chignecto, Cumb Co.
- installation of an aboiteau to protect this marsh and that contained in Project N.B. 55 Missaquash, Westmorland Co. N.B.
- N. S. 102 Belcher Street, Kings Co.
- construction and reconstruction of dyke and aboiteaux to continue protection to certain areas and reclaim others; also installation of stream bank control measures.

New Brunswick

- N. B. 5 Westcock, West Co.
- continuation of protection to dyke.
- N.B. 6 Taylor Village, West Co.
- continuation of protection to dyke.
- N.B. 13 Dorchester, West Co.
- completion of large rock fill aboiteau.
- N.B. 17 New Horton, Albert Co.
- construction of dyke and two aboiteaux and placing of dyke facing to protect area.
- N.B. 27 College Bridge, West Co.
- construction of dyke and one aboiteau to reclaim additional area.

- N.B. 51 Shepody River Dam, Alberta Co.
- Completion of dam and adjacent dyke and repairs to aboiteau. The work carried on completed that required except for final grading, fencing, guard rails, etc.
- N.B. 54 Jones Creek, West Co.
- construction to an aboiteau and dyke required to protect area.
- N.B. 55 Missaquash, West Co.
- protection was provided for this area by means of the aboiteau constructed to protect marsh on Project N.S. 87 Chignecto, Cumberland Co. N.S.

(f) Special Projects

- 1. Annapolis River Dam. A complete study of this Project, which was an investigation to determine the feasibility of erecting a dam across the Annapolis River, was made prior to the current year. Such a structure, complete with adequate fresh-water discharge facilities, would protect approximately 4,300 acres of marshland and could be modified to serve as a highway crossing. During the past year discussions were continued with the Province of Nova Scotia with a view to jointly undertaking the construction of such a dam. These discussions brought about a satisfactory agreement and it is expected construction will commence late in 1957.
- 2. Tantramar River Dam. This project is similar to the one mentioned above and a similar study had been completed. A dam across the Tantramar river would add to existing protective works for the protection of 18,000 acres of marshland. Such a dam could be so located that it would serve as a highway crossing. Discussions with the Province of New Brunswick about an agreement for jointly undertaking the construction of this structure which will form a part of the Trans Canada Highway System replacing a timber bridge. Construction can be commenced late in the 1957-58 fiscal year.

MARITIME MARSHLAND REHABILITATION PROJECTS

A. Active Projects - Nova Scotia.

Note: Acreages are based on information abailable as at 31st March, 1957.

In most cases the salt marsh acreage indicated lies outside existing dyke and can not be reclaimed;

- (x) indicates that a portion of the salt marsh may be reclaimed;
- (o) indicates the entire area is salt or unprotected marsh. Protected Marsh includes dyke right-of-way creeks and roads.

Project No. Nam		Name of Marsh	Name of Marsh Location		Acreage ed or Unprotected Marsh (Salt)
N.S.	2	Windsor Forks	Hants Co.	465	S. 48 Centre Burl
N.S.	3	Falmouth Great Dyke	Hants Co.	975	42
N.S.	4	Queen Anne	Anna Co.	477	70
N.S.	5	Dugau	Anna Co.	172	27
N.S.	6	Saulnierville	Digby Co.	73	retaining by 161
N.S.	8	Grand Pre	Kings Co.	2533	176
N.S.	11	Truro Dykeland Park	Col. Co.	878	36
N.S.	12	Victoria Diamond Jubilee	Col. Co.	527	75
N.S.	13	Dentiballis	Anna. Co.	348	62
N.S.	14	Elderkin	Hants Co.	223	53
N.S.	15	Isgonish	Col. Co.	491	4
N.S.	16	Castle Frederick	Hants Co.	142	22
N.S.	17	Falmouth Village	Hants Co.	97	10
N.S.	18	Ryerson	Anna Co.	86	mil workers 7
N.S.	20	Advocate	Cumb. Co.	489	89
N.S.	21	Upper Nappan	Cumb. Co.	462	30
V.S.	23	Masstown	Col. Co.	919	372
N.S.	24	Noel Shore	Hants Co.	217	294
N.S.	27	Newport Town	Hants Co.	338	68
N.S.	28	Scott's Bay	Kings Co.		71 (0)
N.S.	30	Allan River	Anna Co.	123	246

Proj	ect	Name of Marsh	Location		Acreage d or Unprotected Marsh (Salt)
N. S.	41	Habitant	Kings Co.	677	We HEE- To a
N.S.	42	Amherst Point	Cumb. Co.	2249	302
N.S.	44	Converse	Cumb. Co.	811	26
N.S.	45	Barronsfield	Cumb. Co.	234	26
N.S.	46	River Hebert	Cumb. Co.	1065	150
N.S.	47	Selmah	Hants Co.	171	12
N.S.	48	Centre Burlington	Hants Co.	143	80
N.S.	49	Scotch Village	Hants Co.	87	3
N.S.	50	Herbert River	Hants Co.	59	10
N.S.	53	John Lusby	Cumb. Co.	818	1 20 5
N.S.	54	Minudie	Cumb. Co.	2528	452
N.S.	55	Seaman	Cumb. Co.	425	20
N.S.	56	Wellington	Kings Co.	3103	25
N.S.	57	New Minas	Kings Co.	253	84
N.S.	61	Kennetcock	Hants Co.	170	22
N.S.	62	McKay	Cumb. Co.	152	1
N.S.	63	Maccan	Cumb. Co.	150	78 (x)
N.S.	64	Glenholme	Col. Co.	240	171 (x)
N.S.	65	Bishop Beckwith	Kings Co.	587	116
N. S.	66	Flemming	Col. Co.		304 (o)
N.S.	67	Onslow North River	Col. Co.	496	48
N.S.	68	Tregothic	Hants Co.	576	20
N.S.	69	Martock	Hants Co.	1478	42
N.S.	70	Chegoggin	Yar. Co.	425	HILLIAN - I I I
N.S.	71	Goose Bay	Yar. Co.	230	5
N.S.	72	Horton	Kings Co.	237	229 (x)
N.S.	75	Armstrong	Hants Co.	53	3
N.S.	76	Farnham Dyke	Kings Co.	192	26

Project No.		Name of Marsh			Acreage Protected or Unprotected		
NO.		Name of Marsh			Marsh (Salt)		
N.S.	77	Princeport	Col. Co.	43	9		
N.S.	78	Athol	Cumb. Co.	116	32		
N.S.	79	Chambers	Hants Co.	56	2		
N.S.	80	Starr's Point	Kings Co.	280	304		
N.S.	81	Lower Truro	Col. Co.	399	25		
N.S.	82	Kentville		60	18		
N.S.		Mantua Poplar Grove	ARRESTED TO BE	321			
		Central Onslow		296 sw			
N.S.		Chignecto	Cumb. Co.	512	8		
		- Proposit of Internation		o) the Mivisory O			
N.S.		Burlington		48			
N.S.		Old Barns	Col. Co.	avoite (n) to			
N.S.		Belcher Street	Kings Co.	302			
N.S.		Avonport	Kings Co.	132	140 (x)		
N.S.	93	Green Hill	Hants Co.	28	60 (x)		
N.S.	95	Fort Lawrence - Amherst	Cumb. Co.	3400	-		
N.S.	96	Shipley	Cumb. Co.	223	14		
N.S.	97	Highland Village	Col. Co.	_	246 (o)		
N.S.	98	Stewiacke	Col. Co.	-	178 (o)		
N.S.	100	Wentworth	Hants Co.	127	38		
N.S.	101	Pereaux	Kings Co.	109	32		
N.S.	102	Chebogue River	Yar. Co.	SURFE.	1150 (o)		
N.S.	103	Annapolis River Dam	Anna. Co.	2583	1717		
N.S.	104	Sunny Slope	Hants Co.	30	See 31 Fee But		
N.S.	105	Belmont	Hants Co.	nn/	113 (o)		
N.S.	106	Fort Ellis	Col. Co.	176	maker 10 states		
N.S.	107	Hicks	Cumb. Co.	100	50 (o)		
N.S.	108	Argyle	Yar. Co.	No	60 (o)		
			Total		10,065		

A. Active Projects - Prince Edward Island

P.E.I 1 Johnston's River

Project

Queen's Co.

275

APPENDIX I

MARITIME MARSHLAND REHABILITATION PROJECTS

B. Non-Active Projects - Nova Scotia.

Note: These projects are those which:

- (a) have been incorporated into larger projects
- (b) were established for purposes of investigation
- (c) were established for purposes of investigation at the request of the Provinces.
- (d) were incorporated by the Provinces who have since requested they be dropped.
- (e) the Advisory Committee have recommended be dropped.

Acreages are indicated only for those projects included in (c) or (d) or (e) above.

0.00	Name of Marsh	Location		Acreage		
1	Comeau	Anna. Co.	(a)	Language (Co.	-15 III.	
7	Annapolis River Survey	Anna. Co.	(b)			
9	Woodworth	Anna. Co.	(a)			
10	Upper Belleisle	Anna. Co.	(a)			
19	Bridgetown	Anna. Co.	(d) & (a)	eletta Entrilini		
22	Gaspereau River Survey	Kings Co.	(b)			
25	Maitland	Hants Co.	(d)	34 (No surve	ey)	•
26	Stirling Brook	Hants Co.	(e)	99		
29	Pre Rond	Anna Co.	(a)			
31	Fox Bow	Anna Co.	(a)			,
32	Mount Anne	Anna Co.	(a)			
33	Windermere	Anna Co.	14 [2]			
34	Moschelle	Anna Co	100			
			1675			
35	Ricketson	Anna Co.	(a)			
36	Rossette	Anna Co.	(a)			
	7 9 10 19 22 25 26 29 31 32 33 34 35	1 Comeau 7 Annapolis River Survey 9 Woodworth 10 Upper Belleisle 19 Bridgetown 22 Gaspereau River Survey 25 Maitland 26 Stirling Brook 29 Pre Rond 31 Fox Bow 32 Mount Anne 33 Windermere 34 Moschelle 35 Ricketson	1 Comeau Anna. Co. 7 Annapolis River Survey Anna. Co. 9 Woodworth Anna. Co. 10 Upper Belleisle Anna. Co. 19 Bridgetown Anna. Co. 22 Gaspereau River Survey Kings Co. 25 Maitland Hants Co. 26 Stirling Brook Hants Co. 27 Pre Rond Anna Co. 31 Fox Bow Anna Co. 32 Mount Anne Anna Co. 33 Windermere Anna Co. 34 Moschelle Anna Co. 35 Ricketson Anna Co.	1 Comeau Anna. Co. (a) 7 Annapolis River Survey Anna. Co. (b) 9 Woodworth Anna. Co. (a) 10 Upper Belleisle Anna. Co. (a) 19 Bridgetown Anna. Co. (d) & (a) 22 Gaspereau River Survey Kings Co. (b) 25 Maitland Hants Co. (d) 26 Stirling Brook Hants Co. (e) 29 Pre Rond Anna Co. (a) 31 Fox Bow Anna Co. (a) 32 Mount Anne Anna Co. (a) 33 Windermere Anna Co. (a) 34 Moschelle Anna Co. (a) 35 Ricketson Anna Co. (a)	1 Comeau Anna. Co. (a) 7 Annapolis River Survey Anna. Co. (b) 9 Woodworth Anna. Co. (a) 10 Upper Belleisle Anna. Co. (a) 12 Gaspereau River Survey Kings Co. (b) 25 Maitland Hants Co. (d) 34 (No surve) 26 Stirling Brook Hants Co. (e) 99 29 Pre Rond Anna Co. (a) 31 Fox Bow Anna Co. (a) 32 Mount Anne Anna Co. (a) 33 Windermere Anna Co. (a) 34 Moschelle Anna Co. (a) 35 Ricketson Anna Co. (a)	1 Comeau Anna. Co. (a) 7 Annapolis River Survey Anna. Co. (b) 9 Woodworth Anna. Co. (a) 10 Upper Belleisle Anna. Co. (a) 11 Bridgetown Anna. Co. (d) & (a) 12 Gaspereau River Survey Kings Co. (b) 13 Maitland Hants Co. (d) 34 (No survey) 14 Stirling Brook Hants Co. (e) 99 15 Pre Rond Anna Co. (a) 16 Fox Bow Anna Co. (a) 17 Fox Bow Anna Co. (a) 18 Windermere Anna Co. (a) 19 Bridgetown Anna Co. (a) 19 Bridgetown Anna Co. (a) 10 Upper Belleisle Anna Co. (a) 10 Upper Belleisle Anna Co. (a) 11 Fox Bow Anna Co. (a) 12 Ricketson Anna Co. (a)

*	Proje	ect	Name of Marsh	Location		Acreage	
Ä	N.S.	37	Walker	Anna Co.	(a)	MARITIMA MAR	
	Ň.S.	43	Annapolis Royal Town	Anna Co.	(a)	NOTE OF STREET ASSESSMENT	
	N.S.	51	Morse	Anna Co.	(a)		
	N.S.	52	Rossway	Digby Co.	(c)	718	
	N.S.	58	Granville Centre	Anna. Co.	(a)		
	N.S.	59	Brown Salt Pond	Yar. Co.	(d)	277	
	N.S.	60	Morse Bishop	Anna. Co.	(a)		
	N.S.	73	Mill	Anna. Co.	(a)		
	N.S.	74	Tupperville	Anna. Co.	(a)	Aoedila	
)	N.S.	83	Messenger	Anna. Co.	(a)		
	N.S.	84	Bartlett's Beach	Digby Co.	(d)	284	
	N.S.	89	Cogmagun	Hants Co.	(e)	637	
	N.S.	94	Mosherville	Hants Co.	(d)	102	
	N.S.	99	Upper Burlington	Hants Co.	(e)	66	
				Total		2,217	

MARITIME MARSHLAND REHABILITATION PROJECTS

A. Active Projects - New Brunswick.

Note: Acreages are based on information available as at 31st March, 1957.

In most cases the salt marsh acreage indicated lies outside existing dyke and can not be reclaimed;

- (x) indicates that a portion of the salt marsh may be reclaimed;
- (o) indicates the entire area is salt or unprotected marsh.

Protected marsh includes dyke right-of-way creeks and roads.

Project			Acreage		
No.	Name of Marsh	Location	Protecte Marsh	d or Unprotected Marsh (Salt)	
N.B. 4	Allison	West Co.	197	15	
N.B. 5	Westcock	West Co.	800	225	
N.B. 6	Taylor Village	West Co.	444	105	
N.B. 8	Coyle Landry	West Co.	305	37	
N.B. 11	Belliveau Village	West Co.	185	15	
N.B. 12	Pre d'en Haut	West Co.	113	28	
N.B. 13	Dorchester	West Co.	1716	61	
N.B. 14	Lower Coverdale	Albert Co.	1 54	15	
N.B. 15	Middle Coverdale	Albert Co.	31	21	
N.B. 16	Dixon Island	West Co.	330	70	
N.B. 17	New Horton	Albert Co.	789	107	
N.B. 18	Fox Creek	West Co.	96	13	
N.B. 19	Beaumont	West Co.	207	33	
N.B. 20	Gautreau Village	West Co.	209	21	
N.B. 21	Memramcook West	West Co.	1019	95	
N.B. 24	Aulac	West Co.	1957	534	
N.B. 25	Dock	West Co.	52	4	
N.B. 26	Dover	West Co.	43	9	
N. B. 27	College Bridge	West Co.	931	142	
N.B. 28	Upper Coverdale	Albert Co.	45	6	
N.B. 30	Calkins	Albert Co.	229	20	

Project No.	Name of Marsh	Location		Acreage Protected or Unprotected			
			Marsh				
N.B. 33	West Coverdale	Albert Co.	246	31			
N.B. 36	Boundary Creek	West Co.	51 meotram	11 JE			
N.B. 37	Sackville	West Co.	473	590			
N.B. 40		e of dyke and aboi	recommended that of teau be carried out a on of protective work	and			
			43	194			
N.B. 41	Turtle Creek	Albert Co.	103	115			
N.B. 43	Creek's	Albert Co.	99	The Tile of			
N.B. 45	Chartersville	West Co.	349	31			
N.B. 46	Wilson	West Co.	157	23			
N.B. 47	Hillsboro	Albert Co	955	82			
N.B. 50	Black River	St. John Co.	10000	31 (o)			
N.B. 51	Shepody River Dam	Albert Co.	5576	299			
N.B. 54	Jones Creek	West Co.	45	21			
N.B. 55	Missaguash	West Co.	231	30E 30			
N.B. 56	Tantramar River Dam	West Co.	17,557×	443 (x)			
			xincludes 5497				
			Class 4 & Pea	it.			

B. Non-Active Projects - New Brunswick

Note: These Projects are those which:

- (a) have been incorporated into larger projects
- (b) were established for purposes of investigation
- (c) were established for purposes of investigation at the request of the Provinces.
- (d) were incorporated by the Provinces who have since requested they be dropped.
- (e) the Advisory Committee have recommended be dropped.

Acreages are indicated only for those projects included in (c) or (d) or (e) above.

	Name of Marsh	Location	Acreage	11-11(1)
N. B. 1	Upper Dyke	Albert Co. (a)	Many - Just	
N.B. 2	Germantown	Albert Co. (a)		- CAN
N.B. 3	Tantramar West	West. Co. (a)		
N.B. 7	Hopewell Hill	Albert Co. (a)		
N.B. 9	Harvey	Albert Co. (a)		
N.B. 10	Shepody River Survey	Albert Co. (b)		
N.B. 22	Tantramar River Survey	West Co. (b)		
N.B. 23				
	Survey	West Co. (b)		
N.B. 29	Log Lake	West Co. (a)		SHOW IN
N.B. 31	Baie Verte	West Co. (e)	488	France.
N.B. 32	Salem	Albert Co. (d)	65	
N.B. 34	Coverdale	Albert Co. (e)	59	
N.B. 35	Waterside	Albert Co. (e)	684	
N. B. 38	Rockland	West Co. (e)	234	
N.B. 39	Chance Harbour	St. John Co. (c) & (e)	25	
N.B. 42	Jones	West Co. (d)	135	
N.B. 44	Coles Island	West Co. (a)		
N.B. 48	McAlmon	Albert Co. (e)	67	
N. B. 49	La Coupe	West Co. (a)		
N.B. 52	Little River	St. John Co. (e)	130	
N.B. 53	Great Marsh	West Co. (a)		H.
		Total	1,887	
	TOT.	ALS BY PROVINCES		

	Active Pro	ojects	Non-Active Projects		
1100	Protected	Unprotected		TOTAL	
N.S.	37, 376	10,065	2, 217	49,658	
N.B.	35,737	3, 437	1,887	41,061	
P.E.I.	275	-		275	
- 1	73, 388	13,502	4, 104	90,994	

APPENDIX II

Expenditures - Fiscal Years:					1949 - 1956	1956 - 1957
Administration					\$ 326, 404.24	35,912.53
Surveys and Engineering					1, 169, 368.11	120, 453.19
Workshop and Construction Supe	rvision				1,499,354.44	366, 406.60
workshop and construction bape	1 1131011				1, 1//, 551. 11	300, 400.00
Construction and Maintenance of	Projec	te	and			
Special Surveys:	Trojec	,	and			
Special bulveys.						
Advocate Marsh	Nova S	coti	a		110,890.18	4,868.52
Allan River Marsh	11	11			6,075.23	6, 337. 62
Amherst Point Marsh	- 11	11			136, 922.33	1, 188. 11
Annapolis Royal Town Marsh	11	11			25, 373.03	2, 124.03
Annapolis River Survey	11	11			27,049.60	2, 121, 03
Annapolis River Dam	11	11			-	rd Adriantic season
Armstrong Marsh	11	11			13, 366.98	292.64
Argyle Marsh	11	11			-	
Athol Marsh	11	11			16, 225. 29	988.35
Avonport Marsh	11	11			5,680.70	,00.33
Barronsfield Marsh	11	11		.17	64, 961. 78	4,481.70
Bartlett's Beach Marsh	11	11			2, 644.17	-
Belmont Marsh	11	11			2, 011.11	IN HELDY GUILLING
Belcher Street	11	11			356.12	102, 994.03
Bishop Beckwith Marsh	11	11			126, 690.06	34, 801.40
Burlington Marsh	11	11			312.85	28.80
Burntcoat Marsh	- 11	11			-	_
Castle Frederick Marsh	11	11			44, 337. 15	204.24
Central Onslow Marsh	11	11			35, 255. 33	1,092.94
Centre Burlington Marsh	11	11			32,009.00	76. 20
Chambers Marsh	11	11			14, 988.11	220.32
Chegoggin Marsh	11	11			30,626.03	-
Chignecto Marsh	11	11		- 1	572.01	36, 703.34
Comeau Marsh	11	11			36, 603.80	1, 361.60
Converse Marsh	11	11			125, 455. 44	1,459.78
Dentiballis Marsh	11	11			87, 223.04	4,877.75
Dugau Marsh	11	11			24,072.01	296.46
Elderkin Marsh	11	11			40,715.53	18, 737. 68
Falmouth Great Dyke Marsh	11	11			108, 483. 26	3,086.04
Falmouth Village Marsh	11	11			31, 369.86	1, 369, 46
Farnham Dyke Marsh	11	11			32, 563.04	115.00
Fort Belcher Marsh	- 11	11			38, 220. 28	2,572.89
Fort Ellis Marsh	11	11			-	2, 3, 2. 0,
Fox Bow Marsh	11	11			16,701.02	128.06
Fort Lawrence - Amherst Marsh	11	11			-	735.55
Glenholme Marsh	11	11			2, 256.37	174.35
Grand Pre Marsh	11	11			113, 989.87	49. 251. 92
Goose Bay Marsh	11	11			113, 767.01	27, 985.33
Granville Centre Marsh	11	11			22, 992.80	1,531.70
Greenhill Marsh	11	11	760		353.61	558.30
Habitant Marsh	11	11			12, 415.84	439.33
Herbert River Marsh	11	11			21, 805.30	281.78
Horton Marsh	11	11			2, 153.33	217.35
Hicks Marsh	11	11			-,	
Isgonish Marsh	11	11 (See	below)	164, 741.82*	6.925.70
\$2,350,650,078 TO,000,068,78		,		and to sel a	or Manay Streets Bree	or headership

^{*}This is a joint project with the Province of Nova Scotia. Of the above amount \$56,821.10 was refunded by the Province and in addition to it expenditures of \$46,745.42 were made, which amount was also refunded. Total Provincial contribution was \$103,566.52.

Construction and Maintenance of Projects, and Special Surveys: (Cont'd)

John Lucky Manch	NT	C		00 (70 3/	12 040 24
John Lusby Marsh Kennetcook Marsh	Nova	Scotia		98, 679.36 45, 146.66	13, 848. 24 536. 65
Kentville Marsh	11	11		582.05	13,650.64
Lower Truro Marsh	11	11		48,874.78	941.21
Maccan Marsh	11	11			2, 393.56
Mantua-Poplar Grove Marsh	11	11		27, 622. 62 4, 420. 36	
Martock Marsh	11	11			67, 207. 26
McKay Marsh	11	11		121, 360.10	12, 273. 22 367. 11
Masstown Marsh	11	11		16, 636. 51 62, 418.88	
Messenger Marsh	11	11	ar a little		85, 145. 98
Mill Marsh	11	11		1,085.95	1,150.16
Minudie Marsh	11	11		5, 147.85	849.30
	11	11		114,831.30	9,945.39
Morse Marsh	11	"		2, 623.67	121 50
Morse Bishop Marsh	11			997.59	131.50
Moschelle Marsh	11	11		26, 767.74	1,875.94
Mount Anne Marsh				57, 376. 11	878.94
Nappan River Marsh	11	11		-	-
New Minas Marsh	11	11		90,086.54	1,888.99
Newport Town Marsh	11	11		45,900.79	8,646.87
Noel Shore Marsh	11	11		23, 207.63	85,063.87
Onslow North River Marsh	11	11		57,922.65	1,726.46
Pre Rond Marsh	11	11		7,007.51	401.85
Princeport Marsh	11	11		8,891.36	1,032.67
Pereaux Marsh	11	11		Co part	2, 450.25
Queen Anne Marsh	11	11		158, 123. 29	4,651.65
Ripley Marsh	11	11		-	APPRICATION
Ricketson Marsh	11	11		985,75	40.95
River Hebert Marsh	11	11		219,742.02	4,319.89
Rosette Marsh	11	11		1, 156.35	482.40
Round Marsh	11	11		30, 177. 27	1,771.21
Ryerson Marsh	11	11		33,054.30	3, 564.35
Rhynds Creek Marsh	11	11		7	-
Saulnierville Marsh	11	11		6,917.39	
Scotch Village Marsh	11	11		13,546.86	8.00
Seaman Marsh	11	11		20,862.80	4,934.33
Selmah Marsh	11	11		25, 745.19	21.25
Shipley Marsh	11	11		679.97	600.33
South Side Marsh	11	- 11		trade and	THEO
St. Croix Marsh	11	11		71,591.06	6,942.79
Starr's Point Marsh	11	11		70,633.74	17,781.18
Sunny Slope Marsh	11	11		- 1117	M 45 X 75
Tregothic Marsh	11	11		38,866.39	7,499.63
Truro Dykeland Park Marsh	11	11		95, 483.20	5, 258.47
Tupperville Marsh	11	11		12, 232. 25	733.35
Upper Belleisle Marsh	11	11		31, 299.45	220.38
Upper Nappan Marsh	11	11		52, 200.40	222.08
Victoria Diamond Jubilee Marsh	11	11		77,782.81	103.98
Walker Marsh	11	11		2,480.51	471.60
Wellington Marsh	11	11		24, 477.42	27,975.93
Windermere Marsh	11	11		44, 419.17	4, 185.33
Windsor Forks Marsh	11	11		61, 131.19	688.59
Woodworth Marsh	11	11		21,021.71	451.38
Wentworth Marsh	n eroi	H made		-	508.75
Sub-total for Nova Scotia Pr			\$3	3, 558, 650.67	\$724, 352.13
	130				ATT OF THE RESIDENCE

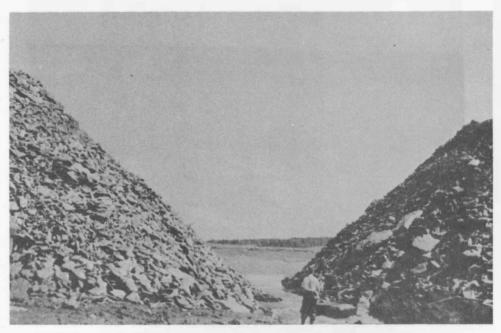
Construction and Maintenance of Projects, and Special Surveys: (Cont'd)

Allison Marsh	New Bruns	wick	18,590.06	169.18
Aulac Marsh	11 11		231, 736.09	9,069.14
Baie Verte Marsh	11 11		923.03	-
Beaumont Marsh	11 11		50, 131.41	178.13
Belliveau Marsh	11 11		21, 756. 25	-
Boundary Creek Marsh	11 11		4, 143.80	124.30
Calkins Marsh	11 11		94,534.55	4, 286.63
Chartersville Marsh	11 11		46, 127.33	2,968.92
Coles Island Marsh	11 11		43,539.46	2, 603.22
College Bridge Marsh	11 11		45,549.42	31,410.68
Coverdale Marsh	11 11		19.31	-
Coyle Landry Marsh	11 11		40,340.32	715.23
Creek's Marsh	11 11		9,689.23	229.55
Dixon Island Marsh	11 11		61, 471.31	505.18
Dock Marsh	11 11		7, 164.85	-
Dorchester Marsh	11 11		216, 789.71	38, 708.22
Dover Marsh	tr tr		12,499.30	114.35
Fox Creek Marsh	11 11		30,638.03	130.64
Great Marsh	11 11		4, 229.92	1,341.42
Gautreau Village Marsh	11 11		70,947.74	187.05
Germantown Marsh	11 11		11, 909.61	_
Hillsboro Marsh	11 11		131, 594.11	2, 587. 97
Hopewell Hill Marsh	11 11		72, 406.13	
Jones Marsh	11 11		4, 803.31	6,816.35
Log Lake Marsh	11 11		36, 428. 90	4, 649. 59
Lower Coverdale Marsh	11 11		32,088.39	39.60
Memramcook West Marsh			164, 392.73	3,406.43
Middle Coverdale Marsh	11 11		13, 605. 62	1, 107.62
	11 11		13, 003. 02	10, 821.00
Missaguash Marsh	11 11		1 000 05	
New Horton Marsh	11 11		1,008.95	79, 578. 49
Pre d'en Haut Marsh	" "		30,791.61	307.44
Sackville Marsh	11 11		56, 289.11	305.82
Shepody River Dam	11 11		1, 270, 142, 71	240, 253.67
Shepody River Survey			26, 334.47	
Tantramar River Survey	11 11		23, 201.48	
Tantramar West Marsh	11 11		27, 207. 83	2, 942.85
Taylor Village Marsh	11 11		75, 810.86	3, 738. 13
Turtle Creek Marsh	11 11		21, 154.11	1,496.67
Upper Coverdale Marsh	11 11		16,405.57	404.25
Upper Dyke Marsh	11 11		11, 149. 33	
Westcock Marsh	11 11		136, 840.36	7,672.05
West Coverdale Marsh	11 11		51, 217. 87	2, 474. 47
Wilson Marsh	11 11		27,720.71	-
Woodpoint Marsh	11 11		676.01	-
Sub-total for N	New Brunswick P	rojects	\$3, 254, 000.90	461, 344. 24
Johnston's River Marsh	P.E.I.		19,712.52	
Total expenditure for Proj	ects anart from	administra	tion.	
engineering and super		6, 832, 364.09	1, 185, 696, 37	
ongmeeting and super				
Total Expendit	ure		\$9,827,490.88	1, 708, 468.69
•				



Noel Shore Marsh, Hants Co., N.S.—Advantage was taken of a rock ledge by using it as a foundation for the aboiteau sluice. Normally sluices are set on marsh earth foundations, rock ledges not being common. A cement bed was laid and the timber sluice anchored to it and the rock formation below.

(Photo N.S. 24//27)



Rock fill, just prior to closure at low tide, during construction of the large aboiteau at Noel Shore. This structure eliminated the need for rebuilding other aboiteaux and adjacent dyke and also reclaimed an area of marsh which would not otherwise be protected.

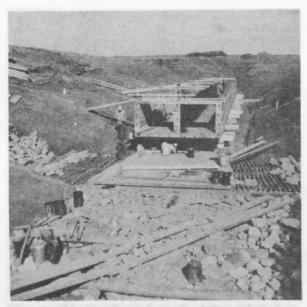
(Photo N.S. 24//28)



Mantua-Poplar Grove Marsh, Hants Co., N.S.—Rock facing placed to prevent undercutting of the road grade which also serves as a section of dyke to protect this marsh.

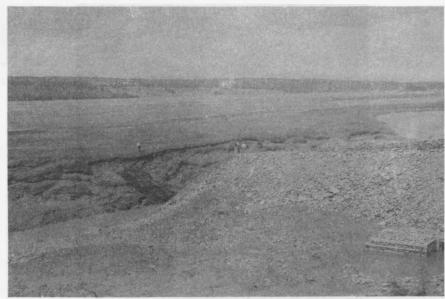
(Photo N.S. 85//1)





Missaguash Marsh, Westmorland Co., N.B. and Chignecto Marsh, Cumb. Co., N.S.—The sluice under erection above, forms a part of a single aboiteau constructed to protect these marshes. This single structure, when completed eliminated the need for rebuilding several miles of dyke and several aboiteaux which were located upstream from this site. The fill placed in this structure, after the above sluice was completed, was earth supported with brush and pickets appropriately placed. Steel gates were installed.

(Photo N.S. 87//10)



New Horton Marsh, Albert Co., N.B.—The fill of one of two aboiteaux required to protect some 800 acres of marsh which had been "out to sea" for a number of years. The fill in this instance was quarried rock blanketed with finer material. At the time the above photo, closure across the tidal stream had not been made. One cribbed wingwall protecting the upstream end of the discharge sluice may be observed in the lower right corner. Across the tidal stream an old dyke is in evidence. A new dyke was constructed in approximately the same location to connect with the completed aboiteau.

(Photo N.B. 17//69)



The newly constructed earth dyke referred to above. The sea side of this dyke has been protected against wave action by the rock facing shown.

(Photo N.B. 17//68)



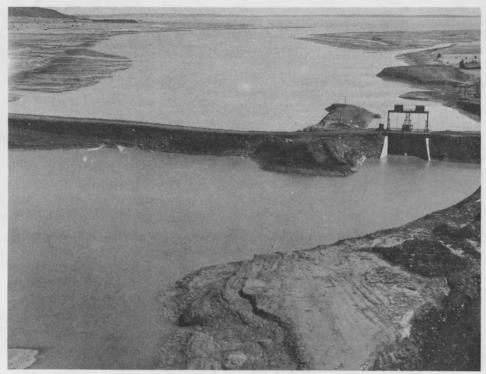
New Horton Marsh, Albert Co., N.B.—This is the sluice of the second aboiteau required to protect this marsh. Physical features were such that an aboiteau at this location, with a very short section of connecting dyke was all that was required. Advantage was taken of the rock formation to provide a solid sluice foundation. Note the tide mark on the rock face. This sluice was floated into place on a falling tide after the bed and cribbed wingwalls had been placed.

(Photo N.B. 17//28)



Placing of the fill in the second aboiteau protecting New Horton Marsh. Rock fill is being advanced on the downstream portion of the fill. A core of fine material was placed to reduce and almost eliminate the flow through the fill as shown above. The sluice shown in the previous photo is located below the cut bank in the very immediate foreground.

(Photo N.B. 17//36)



The Shepody River Dam, Albert Co., N.B.—Rock fill and fresh water discharge facilities prior to the fill being brought to final grade and cross-section. This is the upstream side of the structure as one looks towards the mouth of the Shepody River. The marsh shown in the upper right corner is protected by dyke which connects with the left or north end of the dam. The balance of the marsh protected lies upstream of this structure.

(Photo N.B. 51//526)



The downstream side of the Shepody River dam as one looks upstream. The flow through the dam was reduced considerably as additional fill was placed and silting in the old river channel took place. Since the above two photos of this structure were taken the fill has been brought to final cross-section, guard rails placed and the sight generally graded and cleaned up.

(Photo N.B. 51//530)