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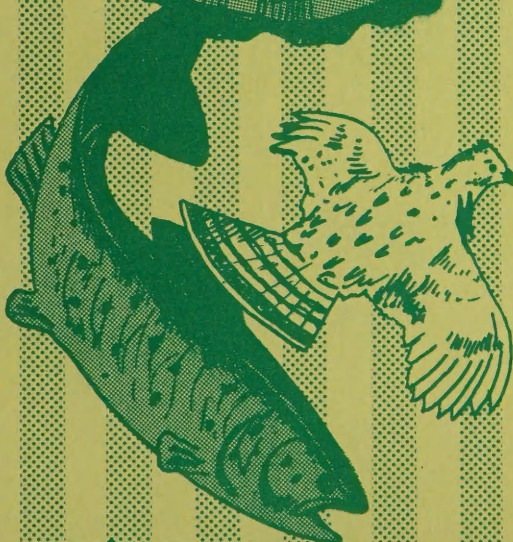
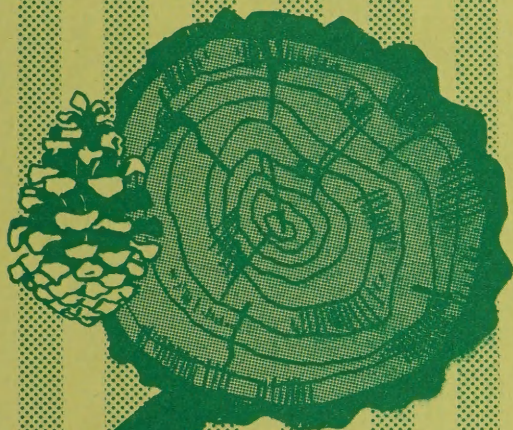


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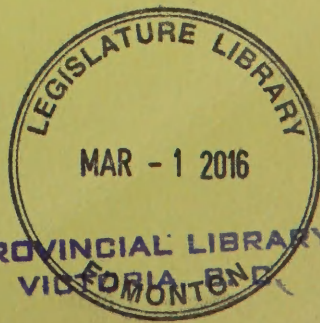


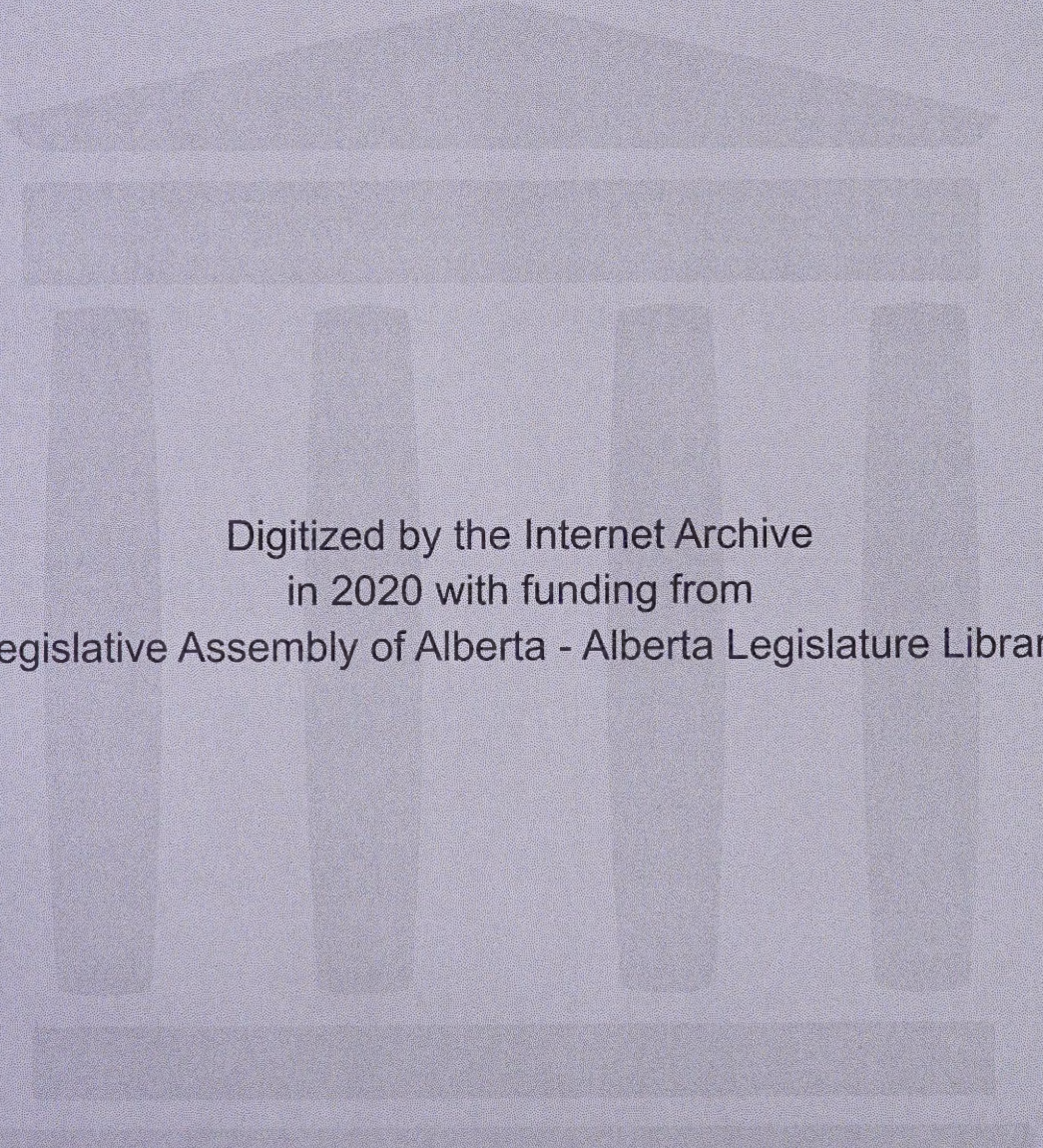
20th ANNUAL REPORT

FOR THE FISCAL YEAR
ENDED MARCH 31st, 1969



Department of Lands & Forests
of the Province of Alberta





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TWENTIETH
ANNUAL REPORT

OF THE
DEPARTMENT OF LANDS AND FORESTS
OF THE
PROVINCE OF ALBERTA

FOR THE
FISCAL YEAR ENDED MARCH 31st
1969



EDMONTON:
PRINTED BY L.S. WALL, QUEEN'S PRINTER

1969

TO THE HONOURABLE GRANT MacEWAN
Lieutenant-Governor of the Province of Alberta

SIR:

I have the honour to submit the Report of the Department of Lands and Forests for the fiscal year ended March 31st, 1969.

I have the honour, to be, Sir,

Your obedient servant,

DR. J. DONOVAN ROSS

Minister of Lands and Forests

Edmonton, December 15th, 1969.

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DEPARTMENT OF LANDS AND FORESTS

Dr. J. Donovan Ross	Minister of Lands and Forests
Dr. V.A. Wood	Deputy Minister of Lands and Forests
F.F. Pawlowski	Departmental Solicitor
D.S. Lawson	Director of Lands
R.G. Steele	Director of Forestry
R.D. Loomis	Adm. of Forest Management
S.R. Hughes	Adm. of Forest Protection
J.F. Hogan	Adm. of Forest Surveys
E.P. Shaver	Director of Provincial Parks
C.R. Harvie	Provincial Parks Planner
Dr. S.B. Smith	Director of Fish and Wildlife
C.G. Campbell	Fish and Wildlife Administrator
M.J. Paetz	Chief Fishery Biologist
G.R. Kerr	Chief Wildlife Biologist
T.A. Drinkwater	Director, Technical Division
A. McCallum	Administrative Accountant
H.E. Bennett	Registrar
W.A. West	Publicity Officer
R.J. Clark	Personnel Officer

EASTERN ROCKIES FOREST CONSERVATION BOARD

J.R.H. Hall	Chairman
A.T. Baker	Member

REPORT
of the
DEPARTMENT OF LANDS AND FORESTS
1968 - 1969

HONOURABLE Dr. J. DONOVAN ROSS,
Minister of Lands and Forests.

SIR:

I have the honour to submit the annual report of the Department of Lands and Forests for the fiscal year ended March 31st, 1969.

Respectfully submitted,

V.A. WOOD,

Deputy Minister.

Edmonton, December 15th, 1969.

PUBLIC LAND ADMINISTRATION**REPORT OF THE DIRECTOR OF LANDS***D.S. LAWSON*

During the past fiscal year the announced policy of emphasizing farm consolidation and enlargement is continuing. During 1968, the rural development program in Census Division 12 was extended to include a farm adjustment sector. To implement this part of the program, three farm adjustment committees were appointed in the St. Paul, Lac La Biche and Bonnyville areas. Functionally the committees, major roles involved the reviewing of applications for the agricultural use of public lands and recommending to the Minister of Lands and Forests the disposition which should be made of that land to best accomplish the objective of farm consolidation and enlargement. In addition, the committees make recommendations concerning the purchasing of privately owned non-viable farms so that the owners may make a transition from agriculture to other sectors of economic production.

Meetings have been held in Census Division 15 to explore the desirability of implementing a farm consolidation program in that area.

SPECIAL LAND USE

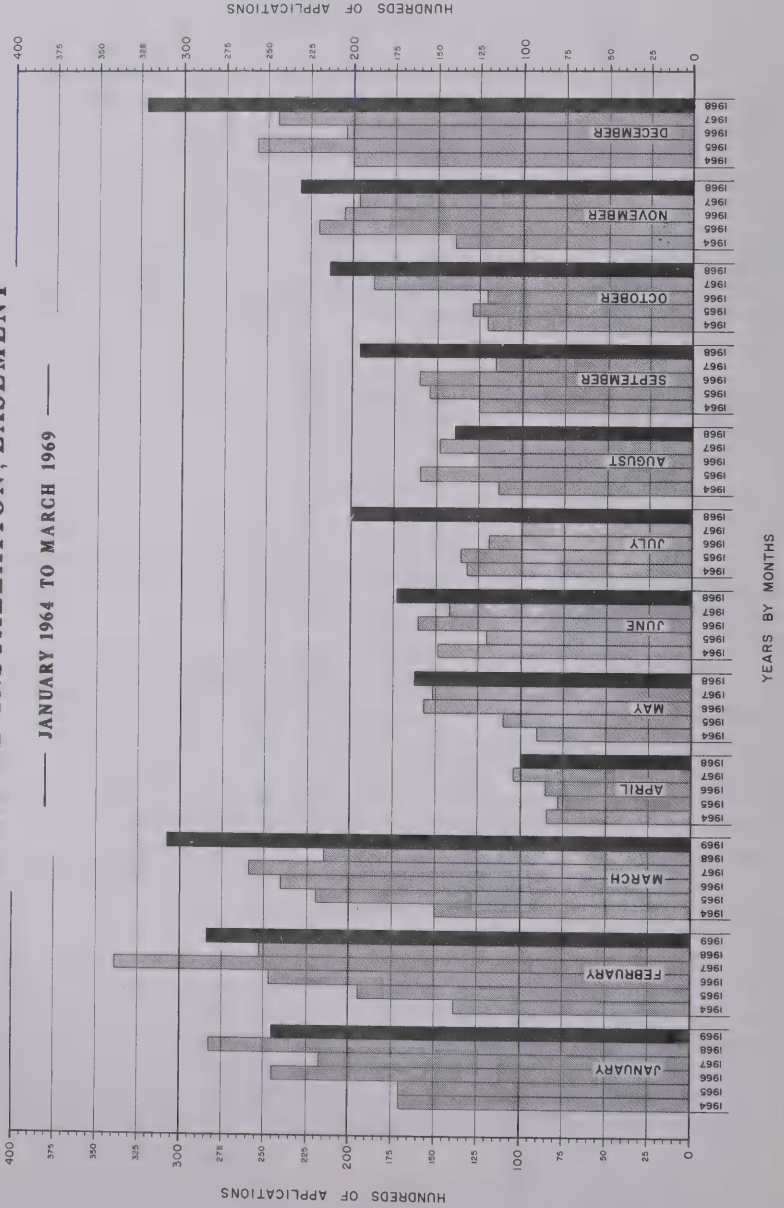
Public interest in recreational lands increased considerably throughout the fiscal year requiring staff to devote more time to written replies. In addition more telephone calls were received and visits to the office by the public increased.

Planning and development of various recreation subdivisions were carried out and it is expected to advertise the Burnstick and Capt. Ayre subdivisions during the next fiscal year. Lots near Calgary have all been leased and consideration to new sites is being given. Since the prime areas lie within the Forest Reserve it is necessary to co-ordinate the selection with the Eastern Rockies Forest Conservation Board and the Alberta Forest Service. Demand for lots in subdivisions near Edmonton has remained high and plans were made to complete road construction in the Calling Lake Subdivision as well as develop a new subdivision at Lesser Slave Lake. Through co-operation with the County of Thorhild drainage was carried out in the Long Lake subdivision making lots available which were previously subject to intermittent flooding.

Interest in oil and gas development on public lands continued to increase and in addition there was a flurry of interest in the exploration for elemental sulphur. Again this year the activity was mostly in the green zone with a total of 778 leases applied for for purposes of wellsites and battery sites in the green zone. Other ancillary surface rights are required in connection with a wellsite or battery site and the total number of applications from petroleum and timber companies is shown on the graph. These applications were handled by the Special Land Use Section and indicate the low and peak months as well as the increase in activity.

More interest was shown in surface rights for coal development. One lease was issued in the Luscar area and another is being negotiated in the Grande Cache area. Exploration of coal reserves increased suddenly and further developments are expected during the next fiscal year.

**APPLICATIONS FOR MINERAL SURFACE LEASE,
LICENCE OF OCCUPATION, PIPELINE AGREEMENT,
PIPELINE INSTALLATION, EASEMENT**



The number of agreements issued for pipeline rights of way continued to increase.

There were 956 Miscellaneous Permits issued during the fiscal year. A new procedure was adopted in dealing with construction campsites thereby eliminating the need for many permits which were issued for this use in previous years.

HOMESTEAD SALES

During the past fiscal year there has been a marked decrease in the number of homestead sale applications received and the number of homestead sale contracts issued.

The decrease in interest may be attributed to generally poor crops for several years, the marketing situation and the fact that the department has retarded the surveying and opening up of new lands for homesteading.

Most of the lands available for homesteading are now located in the northern areas of the province, and changes in our land settlement policy may occur with the introduction of the farm consolidation and enlargement program in Census Division 15 in 1969.

SALES, CULTIVATION LEASES AND SAND AND GRAVEL

During the fiscal year 130 parcels of land were offered for sale by public auction of which 120 were sold. The highest price per acre received was \$171.00, for 160 acres of raw land in the Foremost area, sold on March 3, 1969, against an upset price of \$72.00 per acre. The average price per acre received was \$27.20 per acre.

During the year administration and control of the following land was transferred: Department of Municipal Affairs (250 parcels); St. Mary and Milk Rivers Development (5); Department of Public Works (3); Department of Agriculture (4); Her Majesty the Queen (2); Department of Highways (1); Department of Transport (1).

During the year this section became more involved in the farm consolidation and enlargement programs with staff members attending Farm Adjustment Committee meetings at Edson, Lac La Biche, Bonnyville and St. Paul. The section also becomes involved in the acquisition of lands purchased under the Land Assembly Program.

The following indicates the monies collected during the year from public land and tax recovery sales:

New Sales	Principal	Interest
Agricultural Farm Sales	\$ 150,339.16	\$ 2,124.66
T.R. Agricultural Farm Sales	nil	nil
Public Land Sales	\$ 289,994.69	\$ 5,267.17
T.R. Sales	\$ 1,168.80	nil
Farm Consolidation Sales	\$ 8,854.84	nil

The total collections made during the year were:

	Principal	Interest
Agricultural Farm Sales	\$ 423,194.48	\$ 72,629.21
T.R. Agricultural Farm Sales	\$ 7,104.34	\$ 1,398.04
Public Land Sales	\$ 601,672.77	\$ 67,526.46
T.R. Sales	\$ 10,665.00	\$ 1,208.50
Farm Consolidation Sales	\$ 13,171.10	nil

Total collections include existing and new sales.

During the year, under the Crown Cultivation Lease Act, the department paid out on account of taxes \$83,052.20. The total assessment of lands under cultivation lease, exclusive of clearing project leases, was \$1,175,640.00.

GRAZING

The demand for grazing on public lands continued in 1968. The open grassland areas of Alberta are fully utilized and therefore the wooded areas of Alberta provide the only new native grazing available. To encourage the development and improvement of these wooded areas, the Grazing Lease Improvement Regulations authorize financial assistance for grazing lessees wishing to convert brush covered public lands to improved pasture. Sixty-two applications for such assistance received from individuals holding grazing leases were approved this fiscal year.

Community pasture organizations (grazing associations) leasing grazing land from the department may obtain financial assistance for similar range improvement projects through an ARDA program. Under this program, the Canada and Alberta Governments pay two-thirds and the community pasture organization pays one-third of the cost of the improvement project. Payments to two grazing associations were made this year.

Grazing conditions in 1968 ranged from good to very good in southern and west central Alberta; poor to fair in east central Alberta; and fair to good in the Peace River region. Late summer and fall moisture improved the moisture situation from earlier in the year over most of the grazing areas of Alberta. Early frosts in the late summer shortened the grazing season in the north Peace region.

The Range Survey concentrated on two areas of work in 1968. Most of the season was spent on establishing "bench marks" for the use of the Appraisal Section and other interested personnel. More than 30 bench marks, areas containing typical tracts of good to excellent condition native ranges, representative of the more common range types found in southern and south central Alberta were selected, analyzed and reported in detail.

In addition to the bench mark studies, the Range Survey inspected several community pastures and grazing reserves and provided range management plans to the personnel responsible for developing and managing the pastures and reserve areas.

Members of the grazing field staff assisted various members of the division's Appraisal Section in the identification of native plants and in the determination of grazing capacity.

Mounted specimens of range plants were added to the department's herbarium of over 500 species in Edmonton. Mounted plants were also provided to field offices at Lethbridge, Calgary, Grande Prairie and Peace River, where smaller herbaria were established this year.

During 1968 Grazing Lease Administration personnel continued the program started in 1967 of having grazing permittees who held land suitable for grazing purposes only apply to have their permits converted to long term grazing leases. The program was favourably accepted by the permittees and resulted in a considerable increase in the number of grazing leases issued over previous years.

The program of requesting grazing lessees who held two or more leases to consolidate their leases to avoid duplication in billing notices for rental, stock return forms and renewals, continued in 1968.

The availability of loan capital through the Farm Credit Corporation and the Industrial Development Bank resulted in an increase of the number of ranches being sold and, subsequently, an increase of the number of grazing leases being assigned during the 1968 season. The increase in the number of assignments of leases submitted for registration resulted in extra work load on the inspection staff who are required to appraise the assignment transactions to determine the consideration involved.

In 1968, the Municipal Government Act was assented to which authorized Counties, Municipal Districts and Improvement Districts to administer the disposition of road allowances within their boundaries. All road allowance leases located in southern Alberta, south of Township 35, which had been leased by this department to local farmers and ranchers, were cancelled and the lessees notified to contact their local governments if they wished to continue leasing the road allowances in question.

Six Letters of Appointment for the rounding up of wild horses were in effect, four applications for new appointments were being considered and five Letters of Appointment expired during the fiscal year. Approximately 190 horses were rounded up between April 1, 1968 and March 31, 1969.

For 1968 the grazing rental and taxes for grazing leases, grazing permits and road allowance leases were calculated on the same basis as 1967, using the percentages of forage values as fixed by Order-in-Council 1655/62. These percentages are 20% for the South Grazing District, 16 2/3% for the Central Grazing District and 12 1/2% for the North Grazing District.

The formula for determining the forage value of an acre held under one of these three dispositions is as follows:

$$\frac{250 \times P}{cc}$$

where 250 represents the estimated gain expressed in pounds of beef, P represents the average price of beef and cc represents the carrying capacity expressed in the number of acres required to graze one animal unit (1,000 pound cow with calf under 6 months of age or their equivalent) for the year.

The average price of beef for the latter six month period of 1967 was 23.72 cents per pound as compared to 22.23 cents per pound for the same period in 1966. The combined rental and tax charges for grazing leases and road allowance leases for the period from January 1 to December 31, 1968, and on grazing permits for the period from April 1 to March 31, 1969 were set for each district as follows:

RENTAL AND TAXES PER ACRE FOR 1968

Carrying Capacity Zone	A	B	C
	Southern District 20%	Central District 16 2/3%	Northern District 12 1/2%
24	49 1/2¢	41 1/4¢	31¢
32	37¢	31¢	23 1/4¢
40	29 3/4¢	24 3/4¢	18 1/2¢
50	23 3/4¢	19 3/4¢	14 3/4¢
60	19 3/4¢	16 1/2¢	12 1/4¢

During the 1968 session of the Legislature, the Grazing Lease Taxation Act was repealed effective January 1, 1970 and consequently all grazing leases and permits will be subject to taxation by the appropriate Municipal District, County or Improvement District commencing in 1970.

1968 HEAD TAX GRAZING RENTAL

For 1968 the head tax grazing rental was established as follows:

- Grazing District A — (Southern District): \$1.00 per animal unit month
- Grazing District B — (Central District): \$.80 per animal unit month
- Grazing District C — (Northern District): \$.60 per animal unit month

GRAZING ASSOCIATION LEASES

Association	Map Location	Acreage	No. of Members	Head of Stock
1. Barnwell Grazing Association	63	3,127.05	34	232
2. Basin Valley Grazing Association	74	1,713.56	10	262
3. Bear Canyon Grazing Association	35	1,433.5	7	38
4. Beaver Valley Grazing Association	67	3,375.66	8	187
5. Big 4 Lease Association	14	3,035.0	6	271
6. Blackfoot Grazing Association	28	24,550.89	64	1,302
7. Blue Field Grazing Association	6	11,726.14	13	574

PUBLIC LAND ADMINISTRATION

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	Association	Map Location	Acreage	No. of Members	Head of Stock
8.	Boon Creek Cattle Association	82	7,149.62	7	248
9.	Boundary Creek Grazing Association	3	636.84	8	140
10.	Bow Island - Forty Mile Grazing Association	9	28,967.43	41	1,251
11.	B.T. Grazing Co-operative Ltd.	17	26,234.99	39	904
12.	Bunker Hill Grazing Association	75	6,397.19	5	338
13.	Burkes Lake Stockmans Association	32	3,622.0	12	425
14.	Butcher Creek Grazing Co-op Ltd.	60	1,432.41	12	231
15.	Campbell Creek Grazing Association	53	7,679.5	5	146
16.	Carcajou Grazing Association	48	2,110.9	6	-
17.	Castle River Stock Association	27	6,159.192	9	303
18.	Chauvin District Grazing Association	21	1,113.0	11	227
19.	Clear Hills Community Grazing Association	55	8,877.4	14	626
20.	Clear River Grazing Association	44	3,491.60	2	66
21.	Clearwater Cattle Society	64	3,123.8	3	65
22.	Comrey Grazing Co-operative Ltd.	1	29,953.68	20	1,427
23.	Cressday Grazing Association	80	12,032.66	11	466
24.	Cresthill Farmers Community Cattle Grazing Lease	19	13,754.04	10	623
25.	Deimuth Lease Association	8	1,716.08	5	84
26.	Drowning Ford Grazing Association	25	33,069.5	80	1,701
27.	Dunn Lake Cattle Association	20	3,446.09	14	247
28.	Eastern Irrigation District	31	4,879.89	6	318
29.	East Peoria Smoky Grazing Association	56	9,134.9	11	277
30.	Elk Island Grazing Association	34	1,936.39	5	87

DEPARTMENT OF LANDS AND FORESTS

	Association	Map Location	Acreage	No. of Members	Head of Stock
31.	Fincastle Grazing Association	71	772.04	26	267
32.	Fir Grove Stock Association	5	4,342.677	5	212
33.	Four Mile Creek Stock Improvement Association	43	20,622.15	11	544
34.	Frog Lake Cattle Association	42	10,288.57	9	829
35.	Garnier Lake Grazing Association	58	17,842.3	10	464
36.	Goodfare Grazing Association	76	6,663.3	13	125
37.	Green Prairie Grazing Group	13	2,875.0	5	114
38.	Hays Stock Grazing Association	37	15,458.804	60	1,523
39.	Highland Grazing Association	11	8,222.25	10	423
40.	Island Lake Grazing Association	47	5,760.19	5	400
41.	Jake's Butte Grazing Association	78	3,983.0	17	332
42.	Jumping Pound Stock Association	15	12,785.44	8	848
43.	Keg River Community Livestock Improvement Association	41	1,550.0	5	109
44.	Lakes Grazing Association	18	1,906.76	3	247
45.	Lekenwa Cliff Grazing Association	52	1,598.0	5	116
46.	Little Bow Grazing Association	30	4,337.10	9	369
47.	Little Smoky Grazing Association	39	11,086.10	11	515
48.	Lobley Grazing Association	62	5,033.5	5	191
49.	Lomond Grazing Association	24	82,311.46	175	5,038
50.	Long Valley Grazing Association	36	4,349.7	6	192
51.	Look Lee Grazing Association	73	5,315.5	5	181
52.	Lucky Lake Grazing Association	33	5,595.5	8	294
53.	Many Island Lake Grazing Association	10	17,565.28	34	896
54.	M.C.M. Grazing Association	83	973.0	5	-

PUBLIC LAND ADMINISTRATION

19

	Association	Map Location	Acreage	No. of Members	Head of Stock
55.	Milk River Co-op Grazing Association Limited	50	12,643.92	23	803
56.	Nemiscam Community Pasture Organization #1	7	4,780.6	28	297
57.	Nemiscam Community Pasture Organization #2	45	33,951.39	38	1,203
58.	North Eaglesham Grazing Association	49	2,889.0	9	162
59.	North Goodwin Stock Improvement Association	72	12,913.8	15	460
60.	North Group Cattle Association	22	10,571.42	8	794
61.	North Wapiti Stock Improvement Association	69	5,996.74	5	129
62.	Old Frontier Grazing Association	54	10,207.35	13	1,893
63.	Peace Valley Stockmens Association	79	7,502.8	5	276
64.	Pipeline Grazing Association	23	30,332.38	18	1,197
65.	Poll Haven Community Pasture	4	10,462.2	42	715
66.	Rainy Hills Grazing Co-op Ltd.	12	19,184.24	19	707
67.	Ross Lake Community Pasture Association	2	4,473.0	24	501
68.	Round Up Ranch Co-op Limited	51	1,916.1	18	689
69.	Rowley Grazing Association	61	7,985.0	34	644
70.	Silver Valley Grazing Association	46	8,119.73	6	129
71.	Simonette Grazing Association	77	3,058.0	6	270
72.	Smoky Lake Grazing Association	68	11,362.98	13	339
73.	Spring Creek Grazing Association	66	6,366.1	5	209
74.	Spruce Ranching Co-operative	40	19,138.17	34	2,808
75.	Stirling Pasture Company Ltd.	29	747.0	20	146
76.	Stony Hills Grazing Co-op Ltd.	59	10,709.96	23	795

DEPARTMENT OF LANDS AND FORESTS

	Association	Map Location	Acreage	No. of Members	Head of Stock
77.	Tide Lake Grazing Association	16	15,990.97	13	558
78.	Tulliby Lake Stockmans Association	26	16,748.6	38	1,580
79.	Waldron Grazing Co-operative Ltd.	65	15,581.58	95	5,527
80.	Winagami Grazing Association	57	3,996.0	9	275
81.	Windsor Creek Grazing Association	81	6,665.80	3	141
82.	Wolf Creek Grazing Association	70	7,153.6	5	-
83.	Writing-On-Stone Grazing Association	38	15,393.51	40	813
	TOTALS		833,960.463	1,537	51,355

**ASSOCIATIONS HOLDING ADDITIONAL LAND UNDER
ANNUAL GRAZING PERMIT**

	Association	Map Location	Acreage	No. of Members
1.	Boundary Creek Grazing Association	3	191.5	8
2.	Lomond Grazing Association	24	2,814.09	175
3.	Silver Valley Grazing Association	46	1,045.	6

ASSOCIATIONS HOLDING GRAZING PERMITS IN THE VAUXHALL AREA

File No.	Association	Location	Acreage
7440-14 Gr.	1. East Hays Group Community	13 & 14 - 12 & 13 - W4th	2,084
7440- 5 Gr.	2. Hays Stock Grazing Assoc.	11, 12 & 13 - 12 & 13 W4th	27,227
7440-16 Gr.	3. Riverbend Grazing Assoc.	12 & 13 - 12 & 13 - W4th	2,663
7440- 1 Gr.	4. Vauxhall Grazing Assoc.	11, 12, 13 & 14 - 14, 15 & 16 - W4th	57,010
7440-15 Gr.	5. West Group Hays Community Pasture	13 & 14 - 13 & 14 - W4th	1,676

Where no facilities were provided by the Department, grazing rental on a head tax basis was set as follows for 1968:

Grazing District "A"	(South)	\$1.00 per month per animal unit
Grazing District "B"	(Central)	.80 per month per animal unit
Grazing District "C"	(North)	.60 per month per animal unit

During 1968 the Vauxhall area was grazed by allotment holders, providing grazing for approximately 6,000 head of stock. Special arrangements are made with the federal government in this area.

In the Wainwright area on land leased by the Department of National Defence, the Buffalo Park, South Park and Hughendon Grazing Group graze lands and cut hay. During the 1968 season 702 tons of hay were cut by 20 patrons. There were 12,447 A.U.M.'s used by stock belonging to 38 patrons of Buffalo Park. The Hughendon group made up of 6 patrons grazed 257 head.

HEAD TAX GRAZING AREAS

	Map	Location
1. East Burnstick	1	Twps. 34, Rge. 6, W5th
2. Horse Lakes Grazing Association	2	Twps. 75 & 76, Rge. 16, W5th
3. North Burnstick	1	Twps. 35 & 36, Rgs. 6 & 7, W5th
4. Northeast Burnstick	1	Twps. 35, Rge. 6, W5th
5. Northwest Burnstick	1	Twps. 35, Rge. 7, W5th
6. Southwest Burnstick	1	Twps. 34, Rge. 7, W5th
7. South Cow Creek	3	Twps. 38, Rges. 8 & 9, W5th
8. West Burnstick	1	Used with Southwest Burnstick
9. West End Stock Association	4	Twps. 31 & 32, Rges. 6 & 7, W5th

GRAZING RESERVES

Grazing rental on a per head basis for 1968 was set as follows:

Irrigated Grazing Reserves (4)	\$3.05 per A.U.M.*
Pinhorn Grazing Reserve	\$2.55 per A.U.M.
Twin River Grazing Reserve	\$2.45 per A.U.M.

DEPARTMENT OF LANDS AND FORESTS

Buck Mountain, Minburn, Rannach and Jack Pine Grazing Reserves	\$2.20 per A.U.M.
Wanham and Whitemud Grazing Reserves	\$2.05 per A.U.M.
Kleskun Lake Grazing Reserve - Sheep	.02 per day - dry ewes .025 per day - wet ewes

*A.U.M. - animal unit month or per month per animal unit

GRAZING RESERVES

Dry Land	Map	Acreage	Patrons	A.U.M.'s Allotted
1. Buck Mountain	9R	16,982.08	37	3,331.
2. Jack Pine	12R	2,560.00	25	1,153.
3. Pinhorn (near Etzikom)	3R	76,358.50	113	12,990.
4. Minburn	5R	13,527.44	88	7,066.5
5. Rannach	6R	13,832.37	80	5,840.
6. Twin River	1R	30,869.93	68	9,107.
7. Wanham	7R	15,241.50	53	5,216.
8. Whitemud	11R	22,165.85	12	1,814.
	TOTAL	191,537.67	476	46,517.5
Irrigated				
1. Bow Island	8R	25,020.59	64	7,898.
2. Grassy Lake	10R	2,711.54 (used with Purple Springs)		
3. Purple Springs	2R	1,890.03	71	6,813.
4. Seven Persons	4R	6,174.06	48	3,570.
	TOTAL	35,796.22	183	18,281.
	COMBINED TOTAL	227,333.89	659	64,798.5

SHEEP PASTURE

1. Kleskun Lake	13R	5,920.00	6	290 Sheep 222 Lambs
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(Cattle were grazed under grazing permit disposition)

GRAZING RESERVES UNDER DEVELOPMENT

Name	Location
Kleskun Lake	Twp. 73-4-W6th
Medicine Lake (Wetaskiwin)	Twp. 45, Rges. 4 & 5 - W5th
Smoky Lake	Twps. 60 & 61, Rges. 6 & 7 - W4th
St. Paul	Twps. 55 & 56, Rges. 9 & 10 - W4th
Stony Plain	Twps. 51, 52 & 53, Rge. 6 - W4th
Thorhild	Twps. 62 & 63, Rges. 18 & 19 - W4th
Westlock (Black Bear)	Twps. 63 & 64, Rges. 25 & 26 - W4th
Whitemud	Twp. 87, Rges. 1 & 2 - W6th

PROPOSED GRAZING RESERVES – (Dry Land)

Name	Location
Athabasca	Twp. 64, Rges. 18 & 19 - W4th
Barrhead – Lac Ste. Ann	Twps. 59 & 60, Rges. 7 & 8 - W5th
Cardinal Lake	Twp. 84, Rges. 25 & 26 - W5th, Rge. 1 - W6th
Goodfare	Twps. 71 & 72, Rge. 13 - W6th
Harmon Valley	Twps. 81 & 82, Rges. 17 & 18 - W5th
Moose Wallow	Twp. 61, Rges. 6 & 7 - W5th
Wetaskiwin	Twp. 45, Rges. 3, 4, 5 & 6 - W5th
Wolf Creek	Twps. 65 & 66, Rges. 4, 5, 6, 7, & 8 - W4th

PROPOSED GRAZING RESERVES – (Irrigated)

B.R.D. North	Twps. 17 & 18, Rge. 18 - W4th
B.R.D. East	Twps. 16 & 17, Rges. 17 & 18 - W4th

DEVELOPMENT – 1968

During the fiscal year ended March 31, 1969 tenders were called and development was carried out on Provincial Grazing Reserves as follows:

BLACK BEAR

- Clearing and Piling - approximately 28 miles of fence lines (1,120 acres)

BOW ISLAND

- 1,800 acres of plowing and seeding
- Arrangements were made for the construction of 15 dugouts

BUCK MOUNTAIN

- Clearing and Piling - 1,554 acres
- Aerial Seeding - 10,700 lbs. of grass seed

JACK PINE (Stony Plain)

- Fencing - 8 miles
- Clearing and Piling - 2,440 acres and 12 miles of fence lines

KLESKUN LAKE

- Burning of brush - 650 acres
- Fencing 15½ miles
- Breaking and Seeding - 217 acres
- Clearing and Piling - 1,000 acres and 3 miles of fence line
- Clearing and Piling of ½ mile of brush for power line

MEDICINE LAKE

- Clearing and Piling - 295 acres and 852 acres (consisting of 22 miles of fence line)
- Piling - 236 acres

MINBURN

- Burning 1,250 acres
- Clearing and Piling - 1,852 acres

RANNACH

- Aerial Spraying - 950 acres (brush kill)
- Fencing - 4 miles
- Clearing and Piling - 1,035 acres

SEVEN PERSONS

- Plowing and Seeding - 770 acres

SMOKY LAKE

- Clearing and Piling - 306 acres and 840 acres (consisting of 21 miles of fence line)

ST. PAUL

- Fencing - 9½ miles
- Burning - 1,250 acres
- Breaking and seeding - 680 acres
- Clearing and Piling - 1,060 acres

THORHILD

- Fencing - 9 miles
- Burning - 745 acres and 7¼ miles of fence line
- Breaking and Seeding - 745 acres
- Clearing and Piling - 1,418 acres

WANHAM

- Burning - 675 acres
- Clearing and Piling - 1,075 acres

WHITEMUD

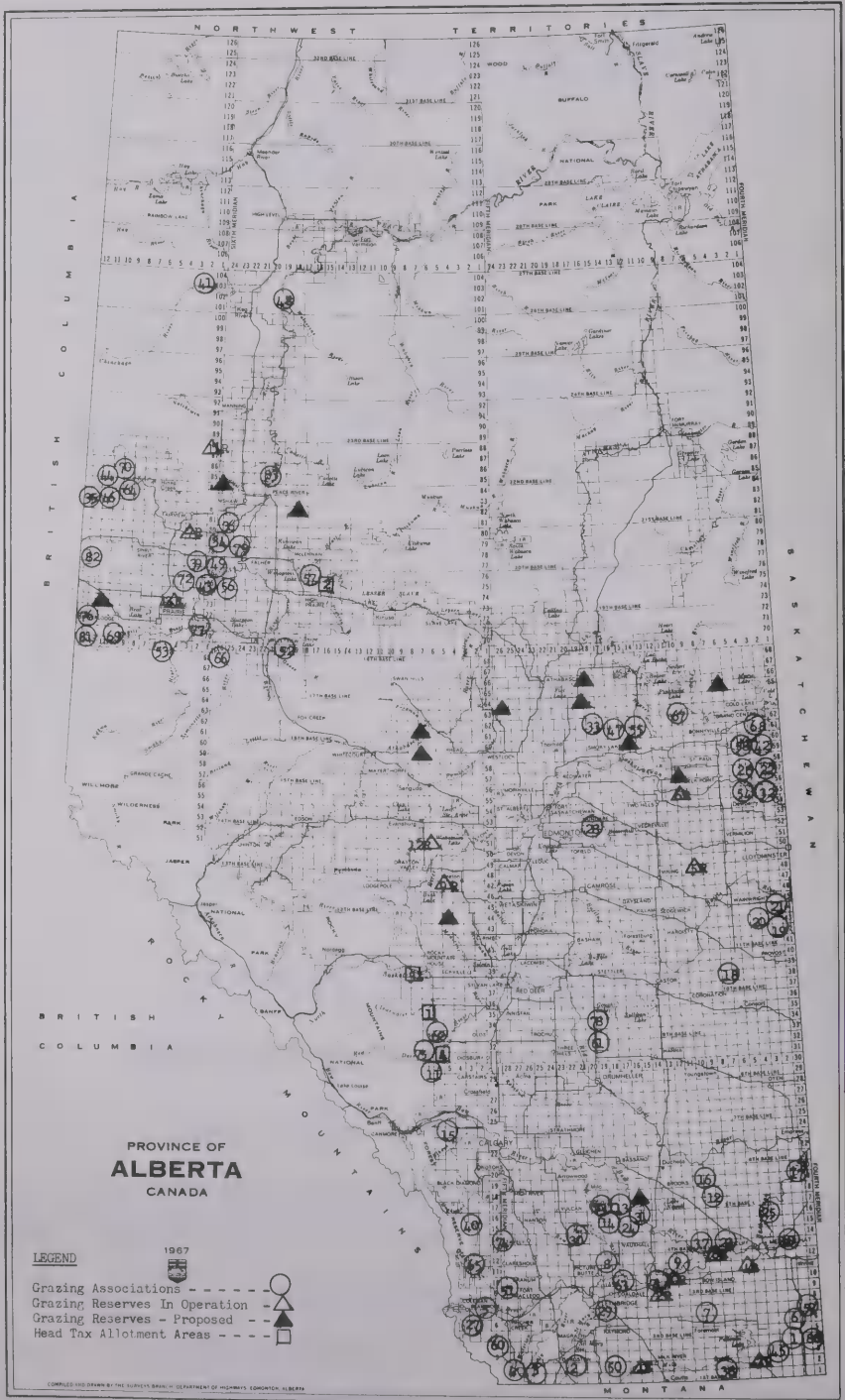
- Clearing and Piling - 600 acres

Contracts for this development totalled approximately \$310,000.00.

GRAZING RESERVES – CATTLE GAINS

In a three year study of weight gains of cattle on the Buck Mountain, Minburn and Rannach Provincial Grazing Reserves, carried out by S.G. Klumph, Supervisor of North and Central Alberta Grazing Reserves, average gains were reported as follows:

	Average Seasonal	Average Daily
Yearling Steers	218 pounds	1.63 pounds
Yearling Open Heifers	215 pounds	1.58 pounds



	Average Seasonal	Average Daily
Suckling Calves	268 pounds	1.97 pounds
Cows	163 pounds	1.12 pounds

This study is being continued, the results of which will be subsequently reported.

On the Southern Alberta Provincial Grazing Reserves, sample weighing carried out by E.R. Edwards, Supervisor of Southern Alberta Grazing Reserves, showed average gains for the 1968 season as follows:

Pounds Gained	Bow Island	Pinhorn	Purple Springs	Seven Persons	Twin River
Cows					
Seasonal	186.00	138.00	172.00	178.00	222.00
Daily	1.19	.83	1.05	1.13	1.40
Yearling Steers					
Seasonal	118.00	193.00	252.00	254.00	305.00
Daily	.85	1.15	1.51	1.64	1.84
Yearling Heifers					
Seasonal	153.00	227.00	233.00	245.00	—
Daily	1.01	1.36	1.44	1.58	—
Steer Calves					
Seasonal	311.00	312.00	353.00	263.00	349.00
Daily	1.99	1.87	2.16	1.69	2.20
Heifer Calves					
Seasonal	249.00	280.00	309.00	226.00	336.00
Daily	1.59	1.68	1.89	1.46	2.13

FIELD INSPECTIONS

The level of work in the field remained fairly steady. There were, however, some very obvious trends noticeable in the numbers of types of inspections completed. General reports, covering progress on homesteads and cultivation leases, periodic grazing lease checks, loans, and other investigations were down to 3,671, a decrease of 1,423. One of the chief reasons for this decline was the suspension of the homestead loan program. The number of land appraisals completed, on the other hand, were 4,330. This represents an increase of 1,227. This increase can largely be attributed to the routine appraisal of all lands held under grazing permit initiated this past year and to be continued until completed. In the area of collections, reports were down to 190, a decrease of 167. This reflects the generally modified pressure on delinquent accounts due to unfavourable marketing conditions.

With the extension of the Farm Adjustment and Consolidation Program into Census Division 12, our field staff have increasingly become more involved in the regional approach to land allocation. The experience to date indicates that members of the appraisal staff

are serving very effectively on committees where they are represented. In addition to Census Division 12 and Census Division 14, preliminary discussions concerning the adoption of the Farm Adjustment Program have been in progress in Census Division 15. If implemented, this could mean the end of the traditional homestead method of land disposition.

CLASSIFICATION AND LAND USE PLANNING

Field work has been done for land classification in the Lac La Biche and Blue Ridge areas and plans for land use have been submitted to Regional Land Adjustment Committees for comments. Some problems have to be solved prior to the implementation of the zone changes and land use reservations.

The following areas were inspected, settlers interviewed and classification submitted for finalization: Rose Creek – Medicine Lake Area
Corbett Creek – Lone Pine Area
Timeu Creek Area
Wandering River Area

The classification will be brought before the appropriate land adjustment committees for their comments prior to implementation.

Some preliminary work has been done in the Edson area, however, more is necessary prior to finalization of a classification plan. It is hoped this will be done during the coming season.

Considerable time was spent reviewing and mapping requests for reservations of public land from other divisions and departments of the government. Certain areas, because of conservation problems and the possibility of changing the land use, received special attention and were inspected and outlined. These areas are as follows:

Vega – Fort Assiniboine Area (South of River)
Smoky Lake – Boyle Area
Areas southwest, east and northeast of Valleyview

STATISTICS – PUBLIC LAND

	April 1, 1968 to March 31, 1969	
	No.	Area
HOMESTEAD LEASES – CIVILIAN		
Leases in effect at April 1, 1968	1,842	472,679.62
Area added by amendment		164.19
Leases patented during fiscal year	220	53,832.14
Leases cancelled during fiscal year	133	35,173.93
Leases in effect at March 31, 1969	1,489	383,837.74

	No.	Area
HOMESTEAD LEASES – VETERAN		
Leases in effect at April 1, 1968	198	55,625.54
Area added by amendment		1.00
Leases patented during fiscal year	31	8,340.49
Leases cancelled during fiscal year	7	1,761.58
Leases in effect at March 31, 1969	160	45,524.47
HOMESTEAD SALES – CIVILIAN		
Sales in effect at April 1, 1968	4,377	1,170,403.55
Sales granted during fiscal year	716	203,627.23
Sales patented during fiscal year	240	61,702.52
Sales cancelled during fiscal year	365	103,839.37
Sales in effect at March 31, 1969	4,488	1,208,488.89
HOMESTEAD SALES – VETERAN		
Sales in effect at April 1, 1968	145	42,356.72
Sales granted during fiscal year	13	3,821.70
Sales patented during fiscal year	7	1,580.22
Sales cancelled during fiscal year	8	2,232.84
Sales in effect at March 31, 1969	143	42,365.36
HOMESTEAD LOANS		
Contracts in effect at April 1, 1968	1,220	
Contracts issued during fiscal year	26	
Contracts cancelled during fiscal year	18	
Contracts paid in full during fiscal year	134	
Contracts in effect at March 31, 1969	1,094	
HOMESTEAD LOAN SALES		
Sales in effect at April 1, 1968	82	20,705.05

DEPARTMENT OF LANDS AND FORESTS

	No.	Area
Sales granted during fiscal year	21	5,411.94
Sales patented during fiscal year	30	7,651.34
Sales cancelled during fiscal year	0	0
Sales in effect at March 31, 1969	73	18,465.65
CROP SHARE LEASES – CLEARING PROJECT		
Leases in effect at April 1, 1968	0	0
Leases reinstated during fiscal year	1	316.97
Leases cancelled during fiscal year	0	0
Leases in effect at March 31, 1969	1	316.97
PURCHASE AGREEMENTS – CLEARING PROJECT		
Sales in effect at April 1, 1968	36	11,542.99
Sales issued during fiscal year	0	0
Sales patented during fiscal year	4	1,280.95
Sales cancelled during fiscal year	0	0
Sales in effect at March 31, 1969	32	10,262.04
SEED CROP LEASES		
Leases in effect at April 1, 1968	3	10,296.60
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	0	0
Area deleted by amendment		640.00
Leases in effect at March 31, 1969	3	9,656.60
MISCELLANEOUS LEASES		
Leases in effect at April 1, 1968	373	65,353.07
Leases issued during fiscal year	39	2,514.68
Leases cancelled during fiscal year	24	4,144.10
Leases in effect at March 31, 1969	388	63,723.65

	No.	Area
Permits issued during fiscal year	956	
MISCELLANEOUS TOWNSITE LEASES		
Leases in effect at April 1, 1968	568	
Leases issued during fiscal year	71	
Leases cancelled during fiscal year	102	
Leases in effect at March 31, 1969	537	
RECREATIONAL LEASES		
Leases in effect at April 1, 1968	172	9,758.00
Leases issued during fiscal year	10	382.24
Leases cancelled during fiscal year	3	153.11
Leases in effect at March 31, 1969	179	9,987.13
LICENCE OF OCCUPATION		
Licences in effect at April 1, 1968	1,489	
Licences issued during fiscal year	436	
Licences cancelled during fiscal year	152	
Licences in effect at March 31, 1969	1,773	
EASEMENTS		
Easements in effect at April 1, 1968	2,439	
Easements issued during fiscal year	309	
Easements cancelled during fiscal year	78	
Easements in effect at March 31, 1969	2,670	
MINERAL SURFACE LEASES		
Leases in effect at April 1, 1968	3,794	113,000.66
Leases issued during fiscal year	763	5,169.66
Leases cancelled during fiscal year	235	1,618.36
Leases in effect at March 31, 1969	4,322	116,551.96

	No.	Area
TOWNSITE LEASES		
Leases in effect at April 1, 1968	2	51.70
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	1	19.70
Leases in effect at March 31, 1969	1	32.00
PIPE LINE AGREEMENTS		
Agreements in effect at April 1, 1968	2,648	27,166.03
Agreements issued during fiscal year	483	8,118.93
Agreements cancelled during fiscal year	8	43.62
Agreements in effect at March 31, 1969	3,123	35,241.34
PIPE LINE INSTALLATIONS		
Installations in effect at April 1, 1968	132	452.88
Installations issued during fiscal year	11	27.51
Installations cancelled during fiscal year	3	154.43
Installations in effect at March 31, 1969	140	325.96
RIGHTS OF ENTRY		
Rights of Entry in effect at April 1, 1968	5,901	
Rights of Entry issued during fiscal year	31	
Rights of Entry cancelled during fiscal year	94	
Rights of Entry in effect at March 31, 1969	5,838	
ACCRUED AREA		
Leases in effect at April 1, 1968	131	7,741.68
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	76	4,086.86
Leases in effect at March 31, 1969	55	3,654.82

	No.	Area
PUBLIC LAND SALES		
Sales in effect at April 1, 1968	1,469	216,182.68
Sales granted during fiscal year	266	24,693.05
Sales patented during fiscal year	312	27,608.41
Sales cancelled during fiscal year	11	1,520.39
Sales in effect at March 31, 1969	1,412	211,746.93
AGRICULTURAL FARM SALES		
Sales in effect at April 1, 1968	1,716	310,017.07
Sales granted during fiscal year	257	48,731.55
Sales patented during fiscal year	187	34,206.61
Sales cancelled during fiscal year	22	4,452.39
Sales in effect at March 31, 1969	1,764	320,089.62
FARM CONSOLIDATION & ENLARGEMENT SALES		
Sales in effect at April 1, 1968	0	0
Sales granted during fiscal year	24	8,533.25
Sales patented during fiscal year	0	0
Sales cancelled during fiscal year	0	0
Sales in effect at March 31, 1969	24	8,533.25
LEASE WITH OPTION TO PURCHASE		
Leases in effect at April 1, 1968	0	0
Leases issued during fiscal year	1	158.97
Leases cancelled during fiscal year	1	158.97
Leases in effect at March 31, 1969	0	0
CULTIVATION LEASES		
Leases in effect at April 1, 1968	753	146,484.79
Leases issued during fiscal year	107	20,895.22

	No.	Area
Leases cancelled during fiscal year	154	30,752.39
Leases in effect at March 31, 1969	706	136,627.62
SAND AND GRAVEL LEASES		
Leases in effect at April 1, 1968	359	
Leases issued during fiscal year	117	
Leases renewed during fiscal year	15	
Leases cancelled during fiscal year	76	
Leases in effect at March 31, 1969	400	
Licences issued during fiscal year	123	
Exploration Licences issued during fiscal year	12	
QUARRYING LEASES		
Leases in effect at April 1, 1968	4	
Leases issued during fiscal year	0	
Leases cancelled during fiscal year	1	
Leases in effect at March 31, 1969	3	
TRANSFER OF ADMINISTRATION AND CONTROL		
Department of Municipal Affairs	250 parcels	
St. Mary & Milk Rivers Development	5 parcels	
Department of Public Works	3 parcels	
Department of Agriculture	4 parcels	
Her Majesty the Queen	2 parcels	
Department of Highways	1 parcel	
Department of Transport	1 parcel	
Free Grants	2 parcels	
Exchange of Lands	54 parcels	
Land Purchases under A.R.D.A. Land Assembly Program	632 parcels	

	Listed	Sold
AUCTION SALES		
Public Lands	130	120
Highest price per acre	\$171.00	
Average Price per acre	\$ 27.20	
	No.	Area
GRAZING LEASES		
Leases in effect at April 1, 1968	4,285	4,514,798.19
Leases issued during fiscal year	299	142,119.16
Area added by amendment		74,001.58
Leases cancelled during fiscal year	218	130,729.10
Area deleted by amendment		40,038.47
Leases renewed during fiscal year	299	
Leases in effect at March 31, 1969	4,366	4,560,151.36
GRAZING PERMITS		
Edmonton District	1,020	172,487.45
Calgary District	763	295,983.52
Peace River District	353	81,062.79
Grande Prairie District	107	25,900.43
HAY PERMITS		
Number of Permits issued	487	
Number of Tons cut	5,659	
ROAD ALLOWANCE LEASES		
Leases in effect at April 1, 1968	1,999	73,755.05
Leases issued during fiscal year	115	3,887.66
Leases cancelled during fiscal year	2,114	77,642.71
Leases in effect at March 31, 1969	0	0

All Road Allowance Leases issued by this department were cancelled effective December 31, 1968, and are now administered by the municipalities under the Municipal Government Act.

INSPECTIONS

GENERAL

Requests outstanding at April 1, 1968	1,160
Requests called during fiscal year	3,577
Reports received during fiscal year	3,671
Requests outstanding at March 31, 1969	1,253

SOIL SURVEY

Requests outstanding at April 1, 1968	772
Requests called during fiscal year	2,962
Reports received during fiscal year	4,330
Requests outstanding at March 31, 1969	1,445
Collection reports received during fiscal year	190

	No. Received	No. Cancelled
Applications		
Grazing (new)	562	165
Grazing (renewal)	269	19
Road Allowance	113	94
Homestead Loans	6	9
Homestead Sales	872	304
Mineral Surface	1,007	131
Pipeline Agreement	561	47
Pipeline Installation	41	4
Cultivation	120	55
Purchase	233	57

Applications	No. Received	No. Cancelled
Miscellaneous	138	37
Renewal Miscellaneous	23	0
Miscellaneous Townsite	143	70
Renewal Miscellaneous Townsite	26	0
Recreational	20	5
Renewal Recreational	3	0
Licence of Occupation	696	188
Easements	295	30
Sand and Gravel	120	66
Renewal Sand and Gravel	15	0
Right of Entry	118	3
Agricultural Farm Sale	605	290
Accrued Area	0	0
Farm Consolidation & Enlargement Sales	53	11
TOTAL	6,039	1,585

FORESTRY

REPORT OF THE DIRECTOR

R. G. STEELE

Forest management practices continued to improve during the 1968-69 fiscal year as exemplified by

1. a substantial increase in reforestation,
2. the largest production of forest products ever experienced by the province;
3. the signing of one new forest management agreement to evaluate and hopefully develop the vast pulpwood resources in the south Peace River area;
4. the revision of an existing pulp company agreement in the Hinton area that should result in the expansion of the facilities to more than double past production;
5. the introduction of a new long term tenure system for deciduous timber because of considerable interest in the utilization of the poplar species;
6. new legislation that clarifies and improves the rights of timber operators on the use of Crown lands for timber production;
7. a significant improvement in prices for forest products, particularly lumber;
8. the implementation of various studies to improve management of forest land for uses other than timber production and introduction of the results into timber harvesting techniques to stimulate true multiple use practices;
9. an increase in the in-service training programs to improve the knowledge and abilities of field staff in more advanced management and protection practices.

The many improvements during the year were marred by the worst forest fire year in Alberta's history. Almost one million acres of forest land were destroyed by fires, with most of the damage occurring during one week of extremely unfavourable weather. Settler fires became uncontrollable and swept into the forested areas in central Alberta with unprecedented vengeance. Only a small percentage of the fire killed timber could be salvaged. This problem further demonstrates the necessity for greater control of settlers burning practices and a much improved weather forecasting system.

The Forest Service continued to improve its administration by decentralizing more authority from head office to field offices, by changing the head office organization to provide more emphasis to multiple use concepts and by conducting various studies and analyses of present practices with the objective of streamlining procedures and methods.

The following reports of the branches in the Alberta Forest Service provide details of activities and statistics comparable to those of previous years. Future annual reports will be based on the new branch organization within the service.

MANAGEMENT**MANAGEMENT PLANS:**

The implementation of the quota system continued through the year. Several quota plans were revised following quota consolidation.

In the interests of developing the utilization of the established quotas, quota sales were held at a minimum. A total of 13.4 million f.b.m. and 756,600 cubic feet in quotas were sold in four different management units during the 1968-1969 year, which increases the number of management units under quota to 64.

The following table summarizes the total harvestable volumes of each forest which were issued under the quota system as of March 31, 1969:

Forest	MM f.b.m.	M cu. ft.
Crowsnest		5,291.4
Bow River		5,779.5
Clearwater-Rocky		7,406.0
Edson		286.0
Whitecourt	3.4	1,466.0
Slave Lake	88.6	
Grande Prairie	31.6	
Peace River	53.5	
Footner Lake	97.7	
Lac La Biche	26.6	
Athabasca	23.3	
MacMillan Bloedel Ltd. Pulpwood Lease and Reserve	76.0*	
TOTAL	400.7	20,228.2

*The MacMillan Bloedel Ltd. pulpwood lease and reserve is located within the Whitecourt and Slave Lake Forests.

In addition to quotas the annual production authorized from the existing Forest Management Lease Agreements is 100,000 cunits and 373,000 cords. As a result of the fires in the summer of 1968, a total in excess of 200 million f.b.m. of fire-killed timber was issued under licences and permits.

Further quotas totalling 37.6 million f.b.m. have been organized and will be available for sale at such time as the lumbering industry has consolidated operations in existing quotas.

Formulation of plans and regulations for the introduction of deciduous timber under Deciduous Timber Allocation Certificates have been prepared. The introduction of this system will be in the Slave Lake and Lac La Biche Forests where a combined area of 18,160 acres will be granted and sold under this new system.

The programming of the utilization of deciduous timber was undertaken in the Slave Lake Forest in Management Units S 1, S 2, S 3, S 4, S 5 and S 6 and the Lac La Biche Forest in Management Unit L 2. The utilization of the deciduous timber will be under a Deciduous Timber Allocation Certificate and the sale of these certificates should be offered to the public early in the next fiscal year.

WOODS OPERATIONS:

(a) Operations Control:	Timber Licences	Special Permits
Operations Active	209	37
Inspections Reported	1,425	144
Suspension of Operations for Cause	5	—
Penalties for Operating Cause	45	—
Seizures	3	—
Annual Operating Plans Approved	110	—

(b) Tree Scaling

Of sixty-one licences on tree scale, forty-eight remain active. Thirty-six tree scale licences were operated which is an increase of two over last year. However, tree scale production dropped to a total of 64,447,000 f.b.m. of coniferous timber, a decrease of 9,267,000 f.b.m. from last year. Tree scaling is being discontinued wherever other methods of segregating stock (such as weigh scale) are available.

(c) Log and Pulpwood Scaling

There were fifty-seven licences on the conventional international 5/16 inch log rule. Two lease areas and twelve licences were subject to weigh scale.

Total Volumes Scaled.

Conventional saw and peeler log scale	33,995,283 FBM
Pulpwood, stack cords	30,509 cords
Pulpwood weight scale	196,734 cords
FBM weight scale	104,982,431 FBM

There were no operations on the Alberta Cubic Foot Log Rule. The use of weight scale on centralized operations is being encouraged because of its efficiency in measuring volumes.

(d) Scaling Licences and Permits

	Number of Licences Issued	Number of Permits Issued
To Scale Sawlogs	2	71
To Scale Pulpwood	8	6

	Number of Licences Issued	Number of Permits Issued
To Scale All Classes	5	—
TOTAL	15	77

During the year 45 persons wrote scaling examinations of various types. Of the total 34 were successful and 11 were unsuccessful.

(e) Timber Audits

Audits commenced	119
Audits finalized	117

Purchase Records

Purchase records check commenced	227
Purchase records check finalized	197

The volumes accountable for dues payment as well as a segregation of quota and non-quota production volumes chargeable under the quota system were taken into account on all audits conducted throughout the year.

(f) The coniferous timber appraisal system was reviewed and all cost factors were evaluated for the preceding two years to establish a provisional weighted average to apply on all timber appraised after May 1, 1969.

TIMBER DISPOSITIONS, RECORDS AND ACCOUNTS

The export market for lumber reached an all time peak during February 1969. The resultant high prices paid for Canadian lumber had a marked affect on lumber production which increased by 34.3% as compared to 1967-68.

The brisk market and high prices together with the action taken by the department to encourage the immediate utilization of fire-killed timber served as the necessary incentive to the timber operators to move men and equipment into the burned over areas in the Whitecourt, Slave Lake and Lac La Biche Forests.

An estimated 226 MM f.b.m. of fire-killed timber was made available for immediate salvage. This was accomplished by granting licences without competition and allowing timber quota certificate holders to harvest fire-killed timber in lieu of their annual quota volumes. 88 MM f.b.m. of fire-killed timber was salvaged even though the severe cold temperatures experienced in January prevented normal operations, a month in which a high rate of production is generally expected.

SUMMARY OF TIMBER OPERATIONS ON PUBLIC LANDS

	Forest Management Agreement Areas, Timber Licences and Special Permits 1968 - 1969	Miscellaneous Timber Permits 1968 - 1969	Total 1968 - 1969
Number of active operations	515	2,754	3,269
Christmas Trees (number)	225	12,955	13,180
Fuelwood (cords)	9	3,129	3,138
Lath (pieces)	2,380,000	120,000	2,500,000
Lumber and Plywood Logs, Coniferous (f.b.m.)	447,264,405	19,718,805	466,983,210
Mine ties (pieces)	1,922	—	1,922
Pulpwood (cords)	304,400	11,629	316,029
Plywood logs, Poplar (f.b.m.)	4,011,074	240,000	4,251,074
Railway ties (pieces)	329,242	1,890	331,132
Round timber (cubic feet)	881,920	1,077,902	1,959,822
Shingles (pieces)	—	60,000	60,000
Slabs (cords)	186	—	186
Trees for transplanting (number)	—	3,878	3,878
Timber Seizures	—	—	11
Custom Sawmill, Planing Mill or Timber Processing Plant Permits (number)	—	—	78

FOREST PRODUCTS TREND

Ten Year Period
1959 - 1969

Year	Number Licences-Special Timber	Permits	Number Miscellaneous Timber Permits	MM f.b.m. Lumber - All species	MM f.b.m. Plywood	Logs - Coniferous	MM f.b.m. Plywood	Logs - Deciduous	MM lin. Ft. Round Timber	Poles, Piling, Posts	M Cords Pulpwood	M Cords Fuelwood	M Pieces Railway Ties	M Pieces Mine Ties	M Pieces Lath	Number Christmas Trees	Number Trees for Transplanting	Equivalent in 1,000 of cubic feet
1959-60	616	919	4,717	386	12	14	14	14	14	14	258	10	798	6	1,665	21,866	2,510	104,869
1960-61	527		5,953	243	11	8	23	8	23	23	327	20	420	14	1,602	25,539	2,347	81,560
1961-62	548		4,075	288	20	13	20	13	20	20	271	8	211	27	2,686	17,070	6,952	85,315
1962-63	571		4,575	314	23	14	29	14	29	29	283	13	634	25	3,231	44,347	2,510	95,363
1963-64	610		5,866	381	31	22	38	22	38	38	300	7	659	5	3,764	24,880	2,347	112,103
1964-65	646		3,083	319	18	11	28	11	28	28	390	3	393	nil	2,210	37,008	2,347	105,114
1965-66	568		2,795	309	20	13	23	13	23	23	379	5	432	nil	2,027	19,644	6,952	101,628
1966-67	485		2,790	290	56	12	23	12	23	23	379	4	443	6	2,572	27,127	1,269	104,747
1967-68	427		2,552	272	60	4	19	4	19	19	244	2	554	4	1,710	15,884	1,919	91,176
1968-69	515		2,754	467*	-	4	2**	4	2**	2**	316	3	331	2	2,500	13,180	3,878	115,407

* - includes coniferous plywood logs

** - recorded in cubic feet

DEPARTMENT OF LANDS AND FORESTS

TIMBER PRODUCTS

Fiscal Year 1968 - 69

VOLUME	PRODUCT	UNIT PRICE	VALUE
13,180	Christmas Trees	\$.50	\$ 6,590
3,138 cords	Fuelwood	\$ 5.00	\$ 15,690
2,500,000 pieces	Lath	\$ 2.00 (bundle of 50 pieces)	\$ 100,000
466,983,210 f.b.m.	Lumber and Plywood Logs, Coniferous	\$ 73.00	\$ 34,089,774
1,922 pieces	Mine Ties	\$.50	\$ 961
316,029 cords	Pulpwood	\$ 17.50	\$ 5,530,507
4,251,074 f.b.m.	Plywood Logs Poplar	\$ 35.00	\$ 148,787
331,132 pieces	Railway Ties	\$ 2.05	\$ 678,821
1,959,822 cubic feet	Round Timber	\$.44	862,322
186 cords	Slabs	\$ 2.00	\$ 372
3,878	Trees for Transplanting	\$.50	\$ 1,939
	Total		\$ 41,435,763

SILVICULTURE:

Increased work load has necessitated delineation of the province into two broad zones for silvicultural work. An additional silvicultural position has been added for one of these zones.

Extension Forestry is co-operating with the Farm Adjustment Committee of Census District 14 in the establishment of a pattern of Crown-owned community woodlots throughout the settled area of C.D. 14 which will supply the projected farm requirements for the various community areas.

Seedbeds are being sown for approximately 6½ MM conventional seedlings for 1972 which will be substantially increased by the container planting program which is expected to nearly double each year.

The following tables summarize the projects of the last fiscal, and last ten years.

SILVICULTURE

Forest	Totals by Forests							
	Scarification (acres)	Seeding (acres)	Spruce (lbs.)	Seed Collected (oz.)	*Pine (lbs.)	Thinning (acres)	Seedlings Planted Conventional (number)	Seedlings Planted Container (number)
Crowsnest	1,796	271	—	63	0	40	20,500	39,050
Bow River	300	—	85	10	634	2,011	38,300	36,945
Clearwater-Rocky	1,020	1,781	148	0	222	144	72,000	450,000
Edson	375	345	32	10	269	20	191,025	286,650
Whitecourt	1,662	1,600	616	7	2	21.8	28,025	85,800
Grande Prairie	914	—	446	5	100	—	67,445	135,800
Peace River	2,344	—	1,875	0	—	2	11,200	18,450
Footner Lake	605	175	277	4	—	2	13,500	—
Slave Lake	2,978	3,427	3,046	6	—	—	65,275	30,714
Lac La Biche	5,300	1,500	18	0	—	—	16,300	16,300
Athabasca	—	—	—	—	—	—	—	23,000
TOTAL	17,294	9,099	6,545	10	1,290	0	523,570	1,122,709

*Pines cones still on hand at date of report

FORESTRY

Ten Year Summary

Year	Scarification (acres)	Seeding (acres)	Seed Collected (lbs.) (oz.)	Thinning (acres)	Seedlings Planted (number)
1959-60	2,551	115	2,125	—	35,000
1960-61	5,964	1,145	3,851	—	24,000
1961-62	10,013	3,475	6,672	—	125,000
1962-63	10,688	7,900	1,540	—	173,000
1963-64	9,015	8,242	325	281	261,000
1964-65	10,477.8	6,769.5	4,361	1,005	325,083
1965-66	18,495	11,141	221	715	700,751
1966-67	17,902	13,001	444	600	876,072
					Conventional
1967-68	27,921.1	20,323	2,073 3	790.37	745,407
					Container
1968-69	17,294	9,099	7,835 10	2,240.8	523,570
					1,122,709

Silvicultural work by industry

Forest	Scarification (acres)	Seeding (acres)	Seedlings Planted (number)
Crowsnest	45	—	—
Bow River	565	—	—
Clearwater-Rocky	180	—	—
Edson	5,688.3	—	458,400 - container
Whitecourt	2,202	1,100	—
Grande Prairie	—	—	—
Peace River	106	—	—
Footner Lake	—	—	—
Slave Lake	3,634	215	—
Lac La Biche	150	—	—
Athabasca	—	—	1,500

FOREST LAND USE:

Petroleum and Natural Gas — Green Area

Applications received for land surface rights from petroleum and natural gas industries.

Forest	1965-66	1966-67	1967-68	1968-69
Athabasca	11	5	17	24
Bow River	7	2	13	30
Clearwater-Rocky	103	117	92	143
Crowsnest	7	4	1	15
Edson	68	50	30	99
Footner Lake	200	613	847	676
Grande Prairie	40	34	45	54

Forest	1965-66	1966-67	1967-68	1968-69
Lac La Biche	61	40	41	68
Peace River	47	43	67	62
Slave Lake	798	425	255	351
Whitecourt	199	137	192	309
Total	1,541	1,470	1,600	1,831

The table above illustrates a steady increase in activity by the petroleum and natural gas industry. Activity in the Footner Lake Forest is slightly lower than last year. The movement in concentrated activity is partly due to high demand for sulphur which is being obtained from H₂S gas fields in the vicinity of Fox Creek, Brazeau River, Nordegg River, Sundre and as far south as Waterton.

Increased seismic exploration activity is taking place from the Bow River Forest in the south to the Edson Forest in the north. Concentration of seismic lines in certain areas has caused serious damage to timber and watershed. The problem was brought to the attention of the Petroleum Association and seismic operations are being kept under close surveillance by field staff.

Steel laying on the Alberta Resources Railway is complete and the railroad is considered operative. Portions of the railroad grade near Grande Prairie were treated for erosion control and other areas are being considered.

The Canadian National Railways are constructing a railroad from the Windfall Spur Line to Pan American Petroleum Corp. gas plant in Sec. 3-61-22-W. 5th Mer. and Hudson's Bay Oil & Gas Co. Ltd. gas plant in Secs. 1 & 12-62-20-W. 5th Mer. Grade construction is complete for the distance of approximately 60 miles.

A major pipeline was constructed by The Alberta Gas Trunk Line Co. Ltd. from Edson to Marten Hills for a total distance of 136 miles.

Coal contracts were signed between McIntyre Porcupine Mines Ltd. and a Japanese firm. Underground mining, construction of a coal processing plant and a townsite is taking place in the Grande Cache area as a result of the coal contract.

Luscar Ltd. have been granted authority to commence a strip mining operation at Luscar within the Edson Forest. The department has been successful in negotiating conditions with the company that will provide for acceptable surface restoration as strip mining progresses.

Alberta Gypsum Ltd. commenced development of a gypsum deposit near Kananaskis Lakes.

Lubicon Mining Ltd. sank a test hole in L.S. 2-21-87-21-W. 5th Mer. to obtain samples of a copper deposit.

The Swan Hills erosion control research project is being continued. Data obtained

from the project is being implemented by concerned oil companies while undertaking erosion control work in this area.

Successful erosion control on a large borrow area at the Barrier Dam site in the Bow River Forest has been achieved by landscaping, hydro-seeding, fertilizing and mulching.

Grazing

Actual grazing use in the Rocky Mountains Forest Reserve was 85,869 animal unit months, with 26,333 head of cattle, horses and sheep being grazed.

The Alberta Forest Service assumed responsibility for administration of grazing in permanent forest management units. Efforts were continued to upgrade management in forest areas.

GRAZING 1968

	CROWSNEST FOREST		BOW RIVER FOREST		CLEARWATER-ROCKY FOREST		FOREST RESERVE TOTAL	
	1967	1968	1967	1968	1967	1968	1967	1968
Cattle	14,562	14,315	9,994	9,560	1,166	1,073	25,722	24,948
Sheep	—	956	—	—	—	—	—	956
Horses	—	—	276	285	139	144	415	429
Total	14,562	15,271	10,270	9,845	1,305	1,217	26,137	26,333
Actual Use in A.U.M.*	45,607	45,313	33,080	34,660	6,011	5,896	84,698	85,869
No. of Permits	181	180	94	91	24	24	299	295
No. of Allotments	47	49	39	34	14	13	100	96
Revenue	\$40,462.42	41,275.73	\$28,887.80	29,957.00	\$3,959.72	3,839.85	\$73,309.94	\$75,072.58

FORESTRY

*A.U.M. — Animal Unit Month: the amount of forage required for one animal unit for one month.

PROTECTION

FIRE WEATHER

Snowfall over the winter of 1967/68 was very light and frequent mild spells reduced the snow cover during the winter. An important feature about the spring of 1968 was the lack of heavy spring rains throughout the forest regions and by the end of April almost all the forest areas were free of snow.

A persistent weather blocking from May 18 to May 25 produced strong, dry, south-east winds and an extreme fire weather condition resulted with fires burning over 900,000 acres in the Lac La Biche and Slave Lake regions.

This extreme dry period in the third week of May was followed for the balance of the fire season by cool, showery and unsettled weather during both June and July. Rain showers occurred regularly in most regions almost every other day during this period.

The cool weather continued in August and September. Traces of snow were reported in central areas of the province by the 20th. The fire hazard continued to diminish in early October and by October 7th two to three inches of snow was reported on the ground at most forestry stations thereby ending the most disastrous fire season in Alberta's history.

FIRE OCCURRENCE

The year was the worst recorded in Alberta insofar as area burned was concerned. Large fires caused by settlers burning brush during the month of May accounted for 71 per cent of the total area burned. Suppression action was taken on 540 fires within the "forest protection area". An area of 976,142 acres was burned, consisting of 523,261 acres of forest land, 311,872 acres of non-forested land and 141,009 acres of private land. The 540 fires are indicated below by size class.

269 Class "A" ($\frac{1}{4}$ acre or less)

140 Class "B" (over $\frac{1}{4}$ acre and up to 10 acres)

56 Class "C" (over 10 acres and up to 100 acres)

32 Class "D" (over 100 acres and up to 500 acres)

43 Class "E" (over 500 acres)

In addition, action was taken on 77 fires that were not the responsibility of the Forest Service. The 77 fires burned an area of 13,233 acres.

AIRCRAFT OPERATIONS

During the May emergency period fire bombing aircraft were brought in from three provinces to assist. Military aircraft were used for civilian evacuation and for movement of firefighters. The following number of aircraft were used on fire action.

	Government Owned	Leased	Short Term Charter	1968 Total
Helicopters	3	5	44	52
Fixed Wing	3	14	75	92
Total	6	19	119	144

Aircraft were used to fight 226 fires and the total hours flown by all aircraft during the year was 14,024. Aircraft transported 1,105 tons of cargo and flew 13,883 passenger hours.

FIRE STATISTICS

The following tables and charts give statistical detail on 1968 fires and comparisons with other years.

COMPARISON OF FIRE CAUSES BY PERCENTAGES

FOR THE YEARS 1958 TO 1968 INCLUSIVE

CAUSE	1958	1959	1960	1961	1962	1963	1964	1965	CAUSE	1966	1967	1968
Campers	23.1	20.9	23.0	13.1	18.0	15.3	17.2	15.1	Recreation	19.1	20.7	13.9
Smokers	13.8	12.2	11.8	9.0	4.0	6.9	10.9	7.5				
Settlers	17.0	13.2	12.0	9.4	6.1	5.2	14.8	4.4	Settlement	13.5	10.5	34.0
Railways	5.6	2.6	2.5	0.2	3.6	1.3	1.8	2.8	Railroads	1.9	5.9	1.1
Lightning	17.5	23.0	22.2	41.8	37.8	47.5	25.1	45.2	Lightning	28.3	33.9	17.5
Industrial	6.0	5.3	9.1	7.5	14.7	6.9	7.7	9.5	Other Industries	20.2	12.8	10.2
Incendiary	10.3	15.3	12.2	10.5	6.8	12.8	16.6	9.9	Forest Industries	1.9	2.7	3.7
									Incendiary	9.4	7.2	10.2
Public Projects	1.5	2.6	1.9	2.2	2.5	0.5	4.7	2.8	Public Projects	2.2	1.3	3.2
Unclassified	1.5	2.8	1.9	1.9	2.2	0.9	0.9	1.6	Unclassified	3.0	2.5	5.2
Unknown	3.7	3.4	2.5	4.4	4.3	2.7	0.3	1.2	Unknown	0.5	2.5	1.0

SUMMARY SHOWING TOTAL NUMBER OF FIRES AND BURNT OVER AREAS
FROM 1956 to 1968 INCLUSIVE

Year	Total Fires	Non- Forested Acres	Forested Acres	Total Area Acres	Suppression Costs \$
1956	258	116,679	577,801	694,480	657,092
1957	180	3,777	11,709	15,486	129,956
1958	464	75,753	155,240	230,993	1,475,347
1959	469	36,805	51,154	87,959	1,184,341
1960	474	9,497	10,463	19,960	345,623
1961	811	36,288	157,257	193,545	2,365,862
1962	278	1,386	3,120	4,506	210,869
1963	554	3,055	14,554	17,609	609,502
1964	338	6,325	8,732	15,057	396,719
1965	252	4,565	49,769	54,334	574,516
1966	371	34,108	35,842	69,950	1,305,603
1967	796	9,777	13,438	23,215	2,382,615
1968	617	461,585	527,790	989,375	5,506,872
TOTALS	5,862	799,600	1,616,869	2,416,469	17,144,917

GOVERNMENT OF THE PROVINCE OF ALBERTA
DEPARTMENT OF LANDS AND FORESTS
ANNUAL SUMMARY OF FOREST FIRE LOSSES

FOREST	CLASS OF FIRE					LANDS AFFECTED (ACRES)						VOLUME LOSS					VALUE LOSS IN DOLLARS						SUPPRESSION COSTS		
	A	B	C	D	E	CROWN LANDS			Private Land	Total Area	Saw Timber		Others	Young Growth	Potential Productive	Total	Other Property	Total Loss	Ranger Service	Other Expenditure	Total Costs				
						Timber	Young Growth	Potential Productive			Non Productive	Total Crown Land										M. F. B.M.	Others		
Crowmnet	6	1								193	200										8801				
Bow River	24	7	1	1				7	193	200											18121				
Clearwater/Rosky	41	8	2	3	2	4742	3363	2028	11558	783	12341	596	61158	3576	30223	25533	2138	69270	50000	119270	122259				
Edson	40	19	6	1		154	20	68	284	334	588	44	3117	626	3859	18	4656	1000	5656	107959					
Whitecourt	29	21	14	9	11	77924	5046	87490	178067	17916	195993	89458	1396165	537388	1661074	59327	11266	2268955	5160	3274405	1667927				
Grande Prairie	11	2	2	4		1		5764	145	5910	11085	10	16	55	32			8647	8734	8734	56796				
Slave Lake	60	31	14	7	11	234982	17708	121790	404180	100912	505092	425715	5255900	2540900	6314055	144488	34851	8963084	810	8963894	1772868				
Lac La Biche	12	14	5	5	10	67437	7666	57858	100056	233017	4701	237718	110623	1109570	663592	1397435	75037	86793	2217857	50	2217907	899626			
Peace River	8	10	2	1	1	447	79	328	77	931	323	1254	123	7181	738	6713	1059	492	9002	9002	117880				
Athabasca	3	3	1			17	7	8	4	36	36	2	42	12	99	109	12	232	232	232	2657				
Foothill Lake	28	18	6			7	6	42	201	256	94	350	25	213	138	314	65	56	573	573	81510				
Indian Reserves	7	5	5	4	3			5	5	10578	10583														
Metis Colonies	1	1	1	1	1			126	784	2	912														
Total Protection Zone	269	140	56	32	43	385711	94022	103528	311872	835133	141009	976142	627596	7833362	3775715	9316604	306724	145449	1354492	57010	3601502				
Non-Protection Zone	5	51	8	6	7	2311	110	2108	954	5483	7750	13233	866	42128	5196	27509	1325	2753	36783	13140	49923				
Total	274	191	64	38	50	388022	34132	105656	312826	840616	148759	989375	628462	7875490	3780911	9344113	308049	148302	13581275	70150	3651425	5506872			

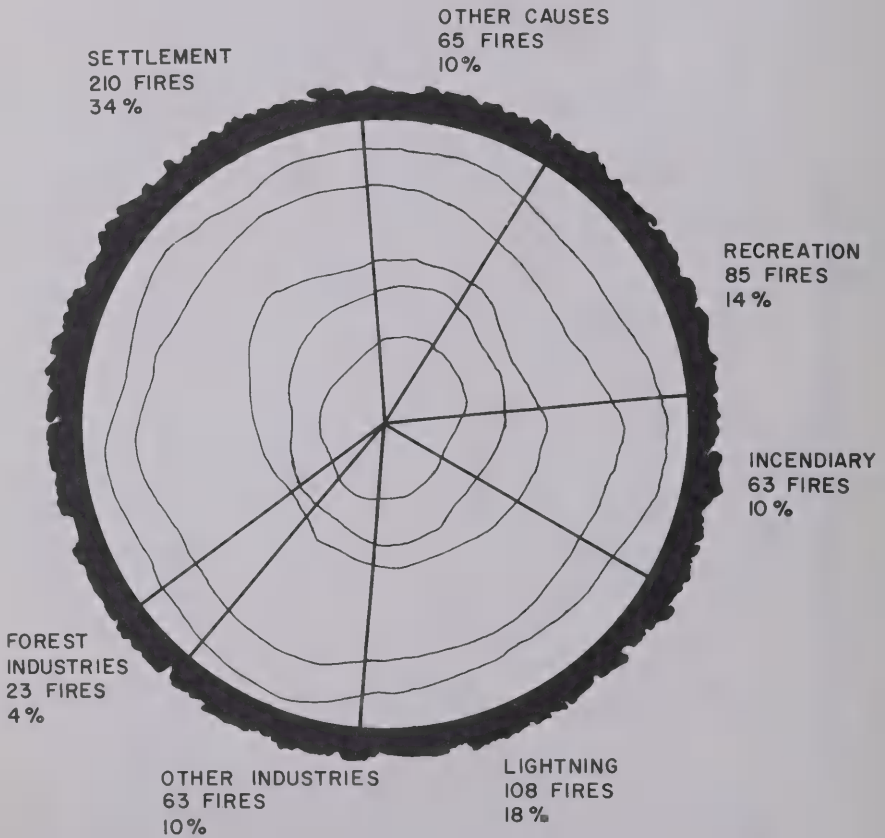
Gen. Cost

ANNUAL STATEMENT OF FIRES BY CAUSES, MONTHLY DISTRIBUTION, ETC.
FOR THE YEAR 1968

CAUSE	NUMBER										%	MONTHLY DISTRIBUTION												DISCOVERED BY				DAMAGE	AREA		
	A	B	C	D	E	TOTAL	JAN.	FEB.	MAR.	APR.		MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOWNS	PUBLIC	PRIVATE	OVERSEAS	CROWN LAND	PRIVATE LAND	TOTAL					
																											ACRES		ACRES	ACRES	
Recreation	60	19	1	1	4	85	13.9	2	1	1	6	24	4	10	5	18	4	9	1	16	52	15	2			179,462	13,038	192,500			
Forest Industries	18	4	1			23	3.7	3	5	3	7	2		1			2			1	8	10	4			138	10	148			
Settlement	39	80	35	20	36	210	34.0	2	5	18	164	8	6	2	2	2	1			38	95	32	45			607,437	95,123	702,560			
Railroad	3	3	1			7	1.1	1		1	4	1								2	5					3	58	61			
Lightning	79	22	5	2		108	17.5		1	15	36	53	2	1						56	15	12	25			456	111	567			
Other Industries	33	18	6	2	4	63	10.2	4	4	7	10	24	2	8	1	1	1			16	24	15	8			15,460	1,358	16,848			
Incendiary	9	29	12	10	3	63	10.2		1	8	44	7	3							15	26	15	7			34,596	33,302	67,898			
Public Projects	14	3	2		1	20	3.2	2	3	3	5			1						6	5	7	6			2,510	3,526	6,136			
Unclassified	18	11	1	1	1	32	5.2	1	1	10	16	2	1	1						7	19	4	2			32	823	855			
Unknown	1	2	1	1	1	6	1.0			1	3	2								3	1	2				392	1,410	1,802			
TOTALS	274	191	64	38	50	617	100	11	9	24	60	306	63	82	11	24	7	13	7	159	252	111	95			840,616	148,759	989,375			
PER CENT.	44.4	31.0	10.4	6.1	8.1	100		1.8	1.5	3.9	9.7	49.6	10.2	13.3	1.8	3.9	1.1	2.1	1.1	25.8	40.8	18.0	15.4			84.96	15.04	100			

NUMBER OF FIRES BY CAUSE 1968

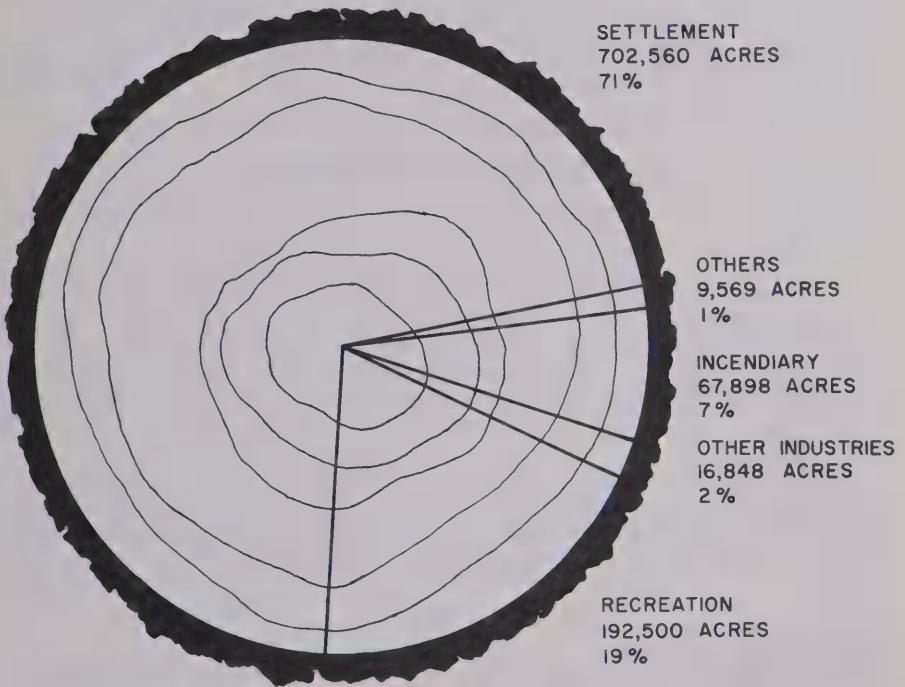
TOTAL FIRES 617



FIRES LISTED UNDER 'OTHER' CAUSES INCLUDE THOSE CAUSED BY RAILROADS, PUBLIC PROJECTS, UNCLASSIFIED AND UNKNOWN CAUSES.

AREA BURNED BY CAUSE 1968

TOTAL AREA BURNED - 989,375 ACRES



FIRES LISTED UNDER 'OTHER' CAUSES INCLUDE THOSE CAUSED BY RAILROADS, PUBLIC PROJECTS, LIGHTNING, UNCLASSIFIED, UNKNOWN CAUSES AND FOREST INDUSTRIES.

TELECOMMUNICATIONS

The leasing of equipment from Alberta Government Telephones continued during the year. The development and operation of the network was controlled by the Alberta Forest Service.

The problems with Footner Lake VHF system were eliminated and the system is now considered complete.

The Unicom Network was completed at all headquarters except Bow and Crowsnest and at three selected towers in the northern Forests.

The VHF systems for Lac La Biche, Peace River and Athabasca Forests were completed and put into operation giving good communication coverage over these areas. This completes the conversion of all Forests from medium frequency to VHF systems.

Communications for Miquelon and Long Lake Provincial Parks were placed in operation this year and proved satisfactory.

1968 Telecommunications Network

Teletype	Terminal Stations	13			
	Circuit Miles	1,225			
	Messages	219,333			
RADIO STATIONS	VHF SSB	VHF HF	VHF	HF	TOTAL
Headquarters	6		6		12
Lookouts		68	75		143
Crawl Towers			7		7
Ranger Stations		22	51		73
Mobiles			92	10	102
Marine Mobiles		1			1
Portables			313	56	369
Repeaters			12		12
Aircraft			18		18
Unicom			15		15
Interprovincial			2	7	9
Other Departments			17		17
	6	91	608	73	778
FIRE CONTROL STATIONS	VHF	SSB	HF		TOTAL
Base Stations	56	10	9		75
Portables	138		140		278
CB Portables	5		75		80
Repeaters	5				5
	204	10	224		438

POWER PLANTS

Headquarters Standby	5
Ranger Stations	15
Lookouts	184
Relays	12
Airfields	3
Fire Camps Portable	70
Maintenance and Construction	22
	311

FIRE RESEARCH

Liaison and co-operation was maintained with the federal forestry research organization on field studies evaluating the use and application of prescribed fire, and long term fire retardants.

Fire weather and fire statistic reports were prepared on the disastrous fires of 1968.

A logging slash study was made in order to determine significant hazard factors in the forest fuel complex.

EQUIPMENT MAINTENANCE AND DEVELOPMENT

The section co-ordinated mechanical equipment repair at twelve forest service shops located throughout the province. Specifications were prepared for the purchase of 67 new and replacement trucks. A total of 47 vehicle accidents was reported by the forest service during the year with an estimated repair cost of \$14,364.00.

Equipment development concerned the construction of a portable hose-washing, drying and folding machine. It is still undergoing test operations. In the fibreglass workshop six lookout cupolas and 40 tree calipers were manufactured. Standard specifications were prepared for fire extinguishers to be used on all forest service vehicles and road machinery.

CONSTRUCTION AND MAINTENANCE

Road construction for the year progressed according to plan with the completion of 27.5 miles of grade, 172 linear feet of bridges and 234 acres of right-of-way clearing. An expenditure of \$340,700 was made from forest service funds on the new construction. In addition, 26 miles of road and 156 linear feet of bridges were constructed utilizing funds from the Northern Alberta Development Council. An ARDA program paid for the construction of 12 miles of road and the clearing of 168 acres of right-of-way.

Five standard forestry airstrips were constructed at a cost of \$105,500. Three additional airstrips were built by the forest service on behalf of the Northern Alberta Development Council.

New and replacement buildings were built at a cost of \$172,500. The individual

buildings constructed and the total inventory of forest service buildings are shown on the accompanying chart. Major buildings at Edmonton and field headquarters are the responsibility of the Department of Public Works. In this connection a forest service depot was constructed in Edmonton at a cost of 1.4 million dollars.

TYPE OF BUILDING	New Buildings Constructed 1968	Buildings Replaced 1968	Building Inventory Total
Residences	2		142
Primary Lookouts	1		144
Secondary Lookouts	Nil	1	35
Garages	5		77
Cache-Garage Combination	4		17
Tool Caches	Nil		70
Lookout Cabin	1	3	111
Engine Houses	1	5	145
Barns	Nil		18
Recreation Areas	Nil		94
Recreation Areas with Shelter	Nil		50
Stop-over Cabins and Bunkhouses	Nil		114
Trailer, House, 3 bedroom	Nil		6
Offices	1		7
Airport-Garage-Office-Waiting Room Combination	Nil		2
Airport Administration Building	Nil		1
Miscellaneous Buildings: Speeder Sheds, Fuel Caches, Remote Receiver Sheds, Fire Holding Camps, etc.	7		300
	22	9	1,333

FOREST SURVEYS AND PLANNING BRANCH

This Branch continued to provide valuable services relative to the management and protection of our forested area. Services provided include inventory revision, preparation and updating forest cover and access maps, land use classification, recreational planning as well as certain photogrammetric and draughting assistance to other branches and organizations.

1. Recreation Planning

The program of planning and redeveloping a number of selected recreation areas which are the responsibility of the forest service was carried on during 1968-69 in accordance with terms of ARDA Project 28035.

Working within the policy of multiple use of lands, liaison was carried out by the Recreational Planning Section with all other government agencies that have vested interests in the use of forest land.

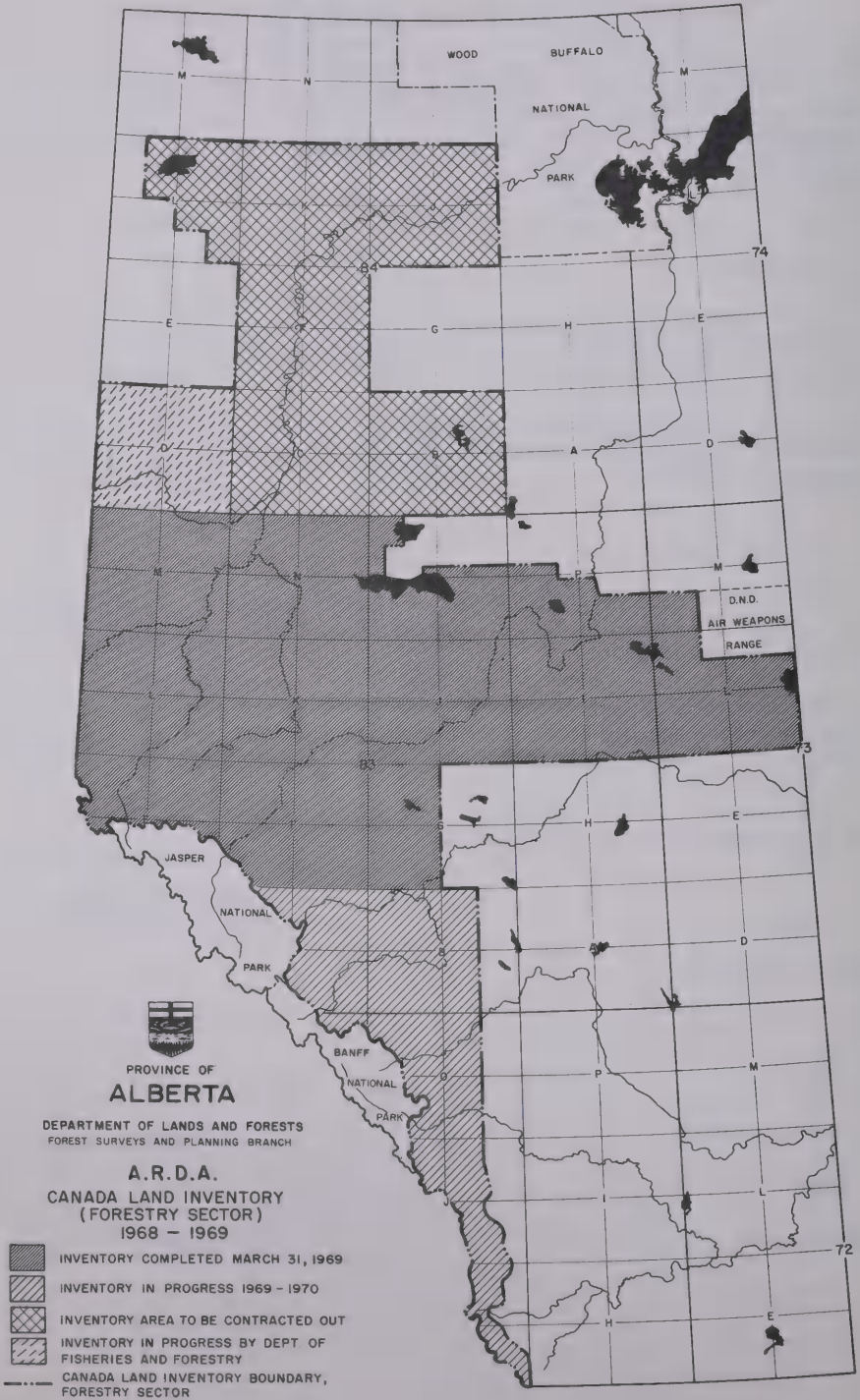
2. A.R.D.A. Projects

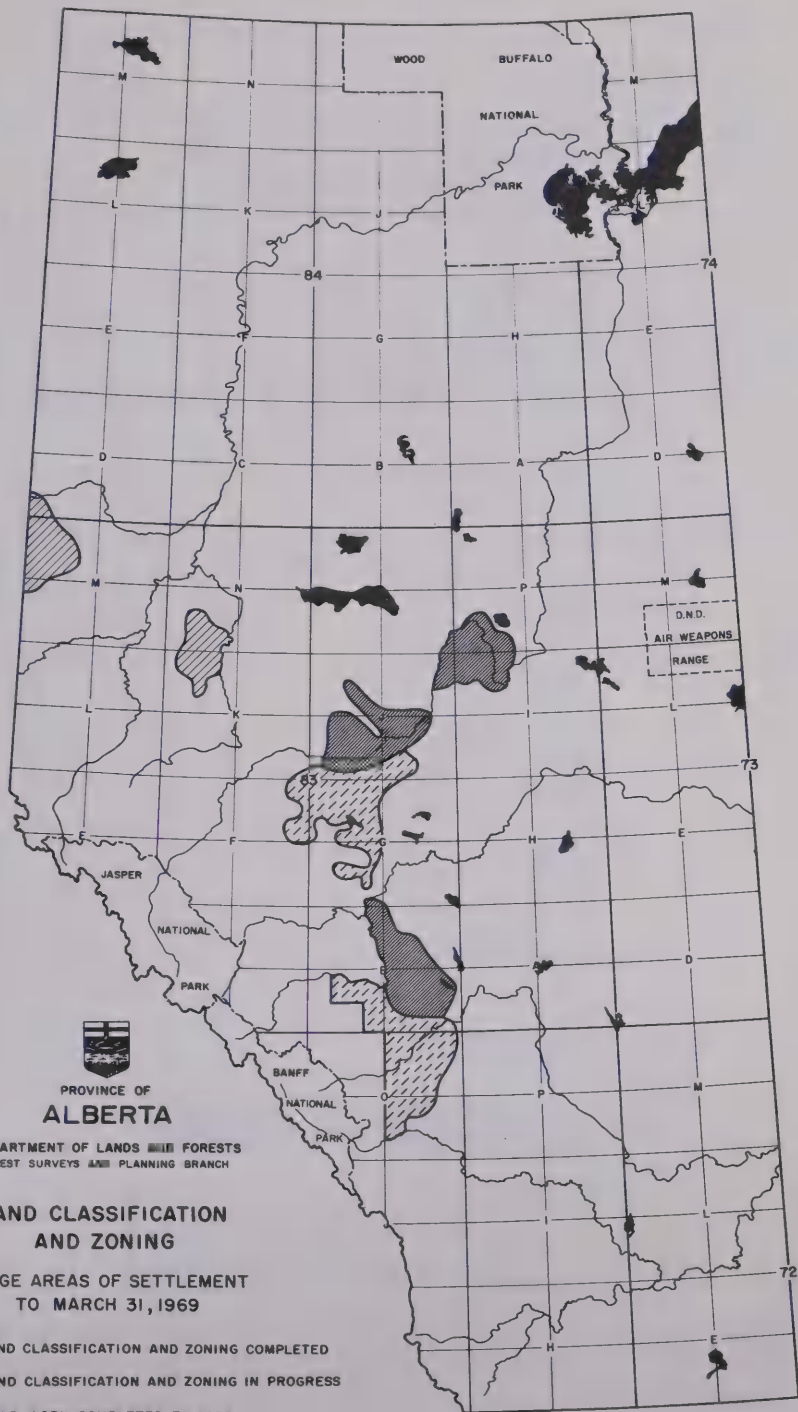
Progress in the Canada Land Inventory Forestry Sector is illustrated later in the text in map form which also shows the agencies responsible for completion of the various areas by March 31, 1971.

The considerable amount of additional work completed during the year in land classification and zoning does not lend itself to mapping at this small scale and the map therefore does not show any new areas.

3. Detailed Forest Management Inventories

Operation	Number of Square Miles Completed (New Inventories)
Aerial Photography	745
Forest Cover Interpretation	2,568
Mapping	3,023
Type Checking	6,481
Coding	6,481
Key Punching	13,039





4. Field Work

Regeneration Surveys

317 Milacre plots were established in the Crowsnest Forest
1,252 Milacre plots were established in the Slave Lake Forest
2,731 Milacre plots were established in the Whitecourt Forest
5,467 Milacre plots were established in the Bow River and Clearwater-Rocky Forests

Reconnaissance Inventory

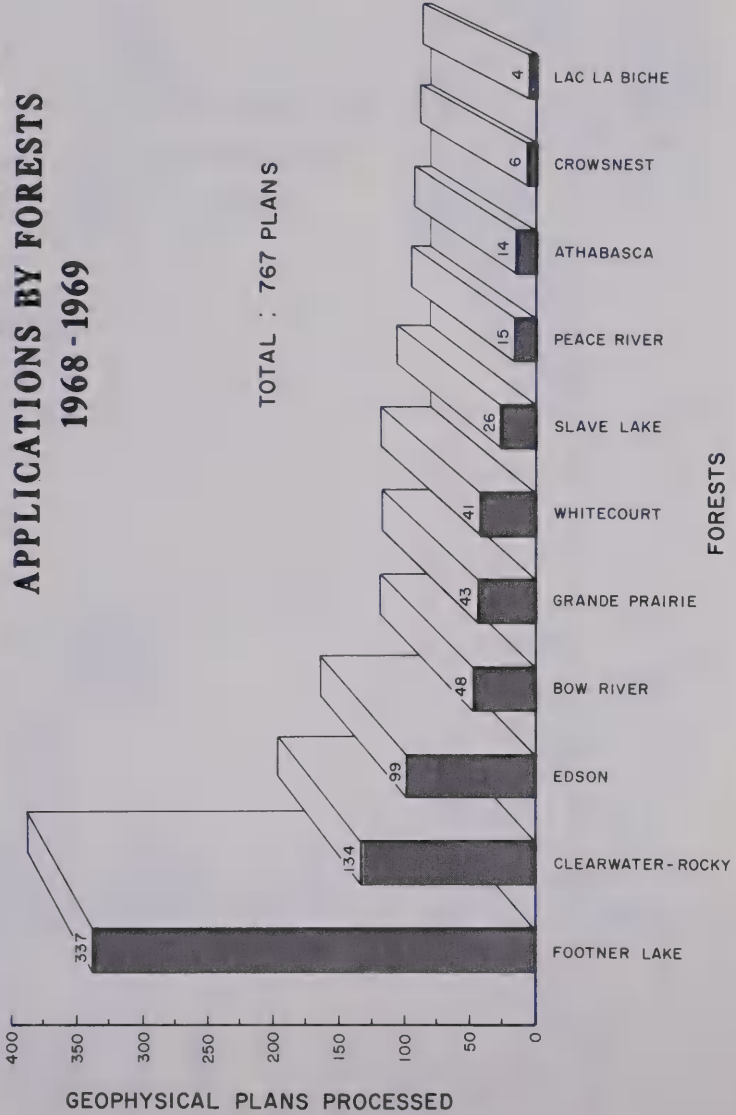
950 types were sampled in Management Unit R-9.
950 types were sampled in Management Unit P-2.
12 townships were examined by air reconnaissance primarily for stocking and age.

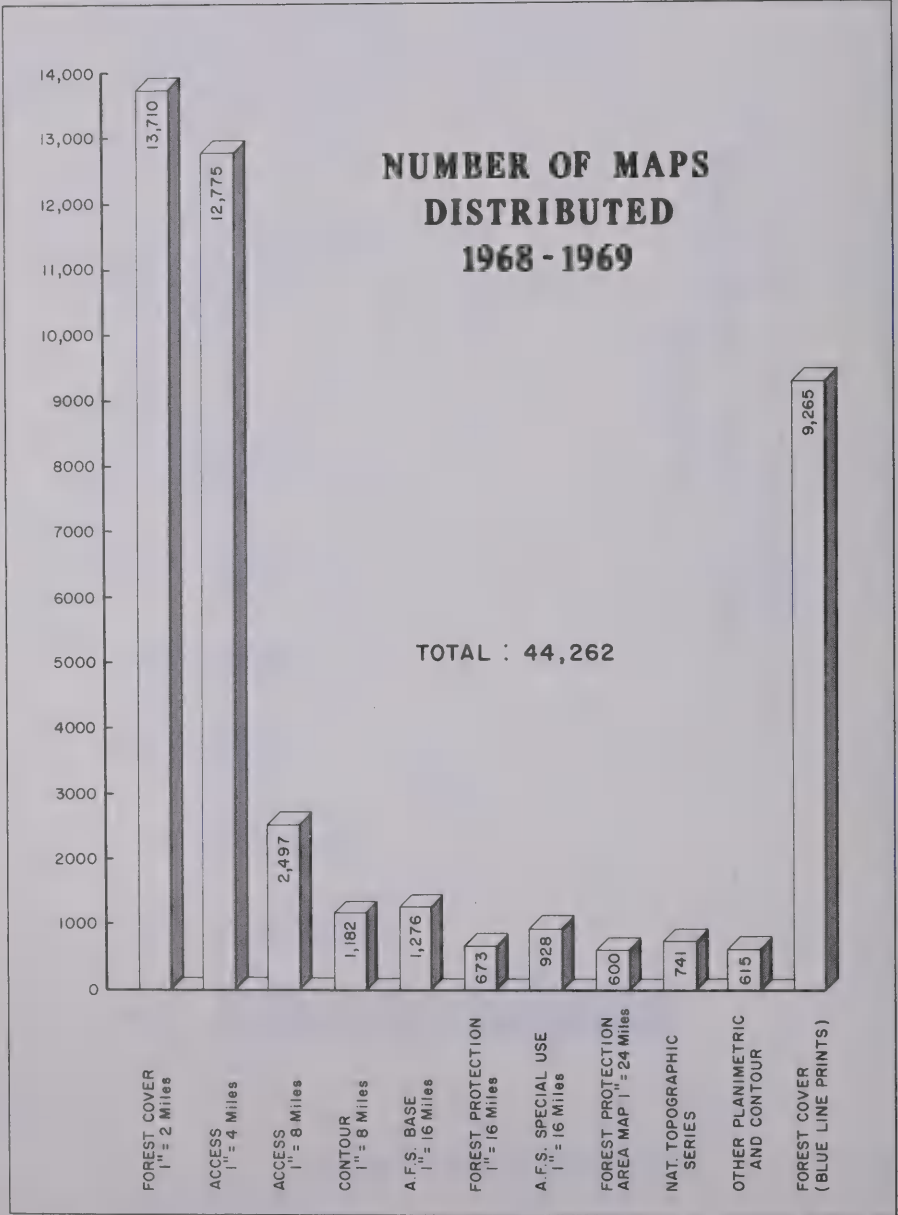
Re-measurement of Permanent Sample Plots

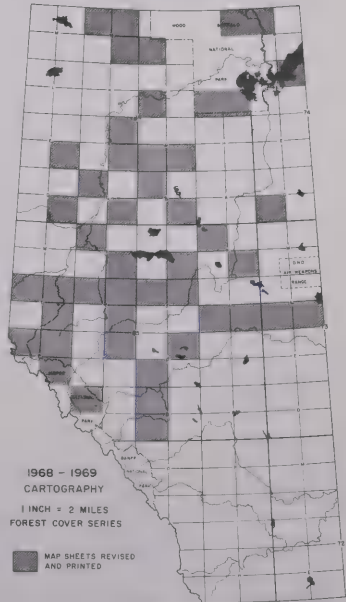
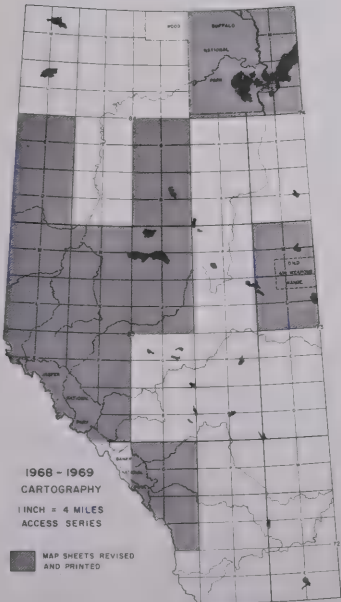
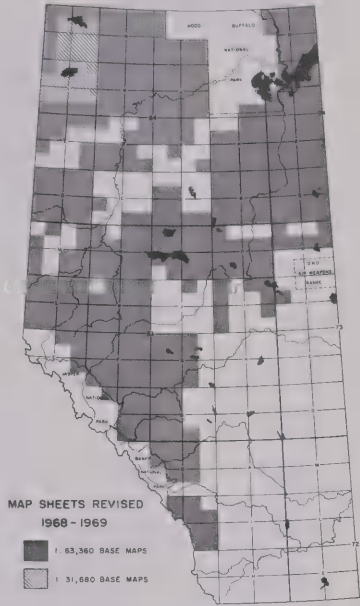
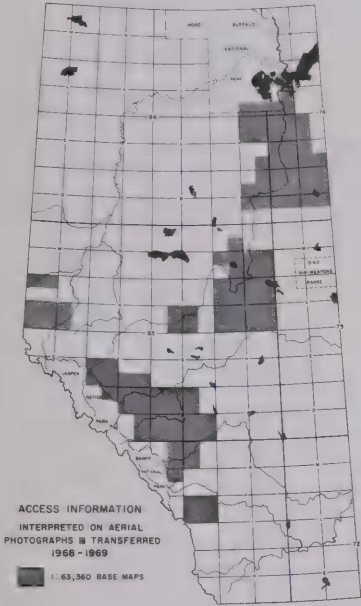
112 groups were re-measured.

**DISTRIBUTION OF GEOPHYSICAL
APPLICATIONS BY FORESTS
1968 - 1969**

TOTAL : 767 PLANS







TECHNICAL SERVICES STATISTICS

Mapping and Compiling

	Photo Interpretation of Planimetric and Access Information		Films Updated	
	Number Maps	Square Miles	Number Maps	Square Miles
1 inch = 1 mile Forest Cover Maps				
1962-63	49	16,100	97	32,000
1963-64	90	29,250	89	28,925
1964-65	115	31,500	192	62,400
1965-66	104	34,000	275	84,000
1966-67	135	43,875	291	94,575
1967-68	73	24,000	230	76,500
1968-69	112	30,200	384	118,600
2 inches = 1 mile Forest Cover Maps				
1967-68	40	6,500	40	6,500
1968-69			40	6,500

Timber Licence and Quota Sales Mapping

	Acreage of Photo Interpretation			
	Number of Cruise Maps	New	Revised and Intensified	Area Mapped in Square Miles
1962-63	171	468,480	803,200	1,255
1963-64	148	331,520	948,160	1,482
1964-65	183	307,000	1,776,000	3,099
1965-66	151	353,600	709,440	1,109
1966-67	273	673,360	2,547,200	3,980
1967-68	153	792,640	813,400	2,511
1968-69	156	710,400	212,160	1,442

Geophysical Applications Processed

	Preliminary Plans Approved	Final Plans Approved	Number of Line Miles Cut	Number of Existing Line Miles Used
1962-63	342	143		
1963-64	435	132	7,755	
1964-65	392	175	7,639	8,080
1965-66	603	206	7,204	8,656
1966-67	1,216	422	18,064	12,821
1967-68	924	213	13,348	6,543
1968-69	767			

Other Land Use Applications Processed

Applications Assessed and/or Plotted for
Timber Damage and Mapping Purposes

	Mineral Surface Lease	Right of Entry	Licence of Occupation	Pipe Line Agreement	Others
1962-63	294	89	39	130	
1963-64	534	59	84	71	
1964-65	501	158	127	70	
1965-66	635	153	235	215	
1966-67	1,162	75	633	251	
1967-68	1,138	69	1,085	253	54
1968-69	250		177	147	764

DEPARTMENT OF LANDS AND FORESTS

Cartography	Number of Copies						
	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69
Forest Cover - 1 inch = 2 miles							
Printed	18,750	19,560	13,975	47,650	9,900	50,650	30,850
Distributed	6,790	9,000	10,685	9,803	13,017	9,225	13,710
Access - 1 inch = 4 miles							
Printed	4,900	17,000	3,650	8,250	25,900	7,550	26,150
Distributed	6,365	8,100	8,595	12,653	10,301	16,979	12,775
Access - 1 inch = 8 miles							
Printed	1,135	3,000	1,145	200	9,000	2,457	2,497
Distributed		920		976	241		
Contour - 1 inch = 8 miles							
Printed	2,070		800	900	5,000	1,847	1,182
Distributed	634	538		733	119		
Alberta Forest Service Base - 1 inch = 16 miles							
Printed			3,500	1,663	9,275	1,624	1,276
Distributed					603		
Forest Protection Series - 1 inch = 16 miles							
Printed	370	680	700	950	650	906	875
Distributed	370	680	700	573	593	594	673
Alberta Forest Service Special Use Series							
1 inch = 16 miles							
Printed	100	200	1,300	600	1,000	1,012	950
Distributed	112	344	475	905	776	949	928
Forest Protection Area Map							
1 inch = 24 miles							
Printed							600
Distributed							596

Miscellaneous Mapping	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69
Recreation Area Maps		20	28	16	19	15	10
Grazing Lease and Grazing Allotment Maps	23	32	41	38	8	13	79
Fire Protection Maps	20	24	69	66	96	234	82
Forestry Road Maps	83	138	62	6	18	27	11
	Number of Square Miles Mapped						
Crown Lands Interpreted, Mapped and Timber Volumes Calculated Preparatory to Various Agricultural Uses	32.5	117	23	12	9	44	123

Aerial Photography by Department Aircraft and Personnel		1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69
Description of Areas Flown								
Line miles of roads, forestry and others, for registration and location purposes	268	386	210	101	275	225	21	
Fire lookout sites	25	12	1	11	3	16	8	
Airstrip Locations	56	5	1	17	3	6	24	
Timber Licences			9	4	20	16	1	
Forest Recreation Areas				15	2	15	1	
Forest Management Projects						26	30	
Other sites and locations	12	8	9	18	14	11	8	
Aerial Photography Completed Under Contract								
Purpose of Photography -					Square Miles			
For Detailed Inventory and Mapping	4,606	10,504	15,900	11,640	4,130	12,890	745	
For Access Information					5,000	4,760		

TRAINING BRANCH

A wide variety of programs was offered again - including educational, in-service, extension and youth-orientated.

The major single course remained the Forest Technology course offered in co-operation with the Northern Alberta Institute of Technology. The second-year instruction is given at the Forest Technology School at Hinton where stress is given to applied resource management subjects. A total of 35 students completed this program.

Education of in-service technicians continued through the three-month Basic and six-month Advanced Forestry courses. Two students from the National Parks, and one man each from the Forest Services of Yukon and Mackenzie attended the Advanced Forestry course under a cooperative agreement.

These were the programs given at Hinton during the last fiscal year.

Course	Length (weeks)	Total Attending
Forest Technology Course	6 (conc'l.)	35
Spring Forestry Camp	1	35
Forest Technology Course	26 (cont'd.)	36
Fall Forestry Camp	½	39
Advanced Forestry Course	23	20
Basic Ranger Courses	6 (cont'd.)	16
Management Techniques Seminar	1	38
Bird-dog-Mixmaster Course	½	23
Fire line overhead (2 courses)	1 each	48
Fire service overhead	1	14
Field aircraft dispatchers	1	19
Fire simulator (7 courses)	½ each	87
National simulator workshop	1	16
Lookout training officers	1	18

Great strides were made in fire control training under the impetus of the three-man fire training team. A fire training matrix was developed as a basis for planning in-service programs. A detailed training manual was developed for field training of firefighters which should enhance this phase considerably. Considerable use was made of the fire simulator in introducing fire trainees to a variety of fire problems.

The certification program continued, although some early courses were cancelled as a result of the extreme fire danger. Training of lookoutmen and firefighters continued to be handled in the forests. A total of nine lookout courses was held at forest headquarters with 42 new men trained. A total of 253 firefighters and strawbosses was trained at 6 courses held at various field locations throughout the province.

The total cumulative numbers of all certified trainees is shown in the following table. Some of the decreases reflect expiry of the 5-year cards, and re-certification of men into new classes.

FIRE TRAINING AND CERTIFICATION

Category	Fiscal Year – ending						
	1963	1964	1965	1966	1967	1968	1969
Fireboss ^a	20	42	43	49	58	51	4
Fire foreman ^a	3	13	23	24	48	19	15
Sector boss ^b	—	—	—	—	—	—	16
Crew foreman ^b	—	—	—	—	—	33	61
Strawboss	—	5	10	15	76	147	233
Firefighter	—	—	52	361	896	1,198	1,365
Camp foreman	—	—	—	—	2	2	2
Timekeeper	1	1	1	29	42	65	79
Cook	—	—	—	—	4	4	4

a – old category, being terminated

b – new category

Correspondence courses in mathematics and surveying continued to be sent to new in-service employees, as prerequisites to their formal training.

The Junior Forest Ranger program was run again with five camps of twelve boys each. This program provided eight weeks of work and training in the resource management field. Camps were located in the Grande Prairie, Edson, Clearwater-Rocky and Crowsnest Forests.

The Cache Percotte watershed study continued, with assistance from outside co-operators.

A greenhouse for raising of forest planting stock was completed. Students made use of the facilities for lab projects.

The administrator, P.J. Murphy, returned from Great Britain where he had studied management of renewable natural resources under a fellowship granted by the Nuffield Foundation.

FISH & WILDLIFE

REPORT OF THE DIRECTOR

S.B. SMITH

During 1968, Fish and Wildlife Division revenue and expenditures both increased, but in different proportion than in the previous five years. Although expenditures were up by about seven percent, from \$1.54 million in 1967 to \$1.64 million in 1968, revenue increased from \$1.42 million to \$1.71 million in the same period, an increase of more than 21 percent. As a consequence, an operating surplus was achieved for the first time since 1964. The revenue to expenditure ratio for the Fish and Wildlife Division can be improved considerably in future years, where minor acquisitions in staff will provide the means of managing more efficiently the several fish and wildlife resources, while at the same time, generating greatly expanded revenue from various sources. Even in the face of rapidly expanding demands for hunting and fishing opportunities across the nation, Alberta is in an extremely favorable position with respect to its fish and wildlife resources. However, recognition should be given to the necessity for increased expenditures in some areas, in order to generate increased revenues, for management programs.

Operation of the commercial fisheries of Alberta was carried out for the first time under a new zoning system, proposed the previous year by a legislative committee, and effective April 1st, 1968. In general most commercial fishermen accepted the new regulations, which resulted in improved distribution of fishing effort. During 1968 also, final preparation of federal and provincial complementary legislation was completed with respect to operation of the Freshwater Fish Marketing Corporation. The corporation, sole marketing agency for all freshwater fish in Alberta, Saskatchewan, Manitoba, the Northwest Territories and western Ontario, was to be in operation by May 1st, 1969. Alberta commercial fishermen are expected to benefit substantially, through operations of the corporation, with respect to price increases for their catch, and through greater stability of the industry.

Sale of angling licences increased by about 2 percent in 1968 over the previous year. More interest is being shown by Alberta anglers in more remote northern lakes, where float planes and boats were much more numerous than in any previous year. Sale of angling licences reached a total of 139,253 in 1968, and for the first time, generated revenue in excess of one-half million dollars.

During 1968, the first major land acquisition was made for fish and wildlife habitat development near Brooks, Alberta. A block of farmland (771 acres) was purchased under the Land Assembly Program, through the Alberta Department of Agriculture. This block of land will be farmed, along with development of pheasant habitat. Over 50,000 trees and shrubs will be planted, and agricultural operations on the block will be complementary, rather than inimical to development of high quality pheasant habitat.

Weather conditions in 1968 resulted in somewhat lowered production of waterfowl, plus overflight to tundra areas of a large proportion of the breeding population which normally would have nested in Alberta. Nevertheless, late summer and fall rains resulted in prairie water conditions which should produce excellent hunting in 1969, if normal runoff takes place. Liaison with the Canadian Wildlife Service and Ducks Unlimited (Canada) was intensified, and joint research programs were started with these agencies. Over 50,000 waterfowl hunters in Alberta took about 800,000 ducks and geese during the 1968 season. 1968 was the worst year on record for waterfowl damage to farm crops. Over \$400,000

was paid in compensation from the Wildlife Damage Fund, which is supported by money from the sale of Wildlife Certificates to hunters.

The heaviest load of field activities was as usual, borne by Fish and Wildlife Officers. These men conducted over 3,000 investigations into activities illegal under the hunting and angling regulations. In addition, field officers were very heavily involved in commercial fishing and fur trapping administration, often in areas accessible only by aircraft, or tracked vehicles. Several officers have developed new modifications to light, tracked vehicles, in order to travel more easily in frost-free periods through muskeg areas. Consideration is being given to the use of small hovercraft for field officers in the near future. Fish and Wildlife Officers were successful in prosecution of 1,102 of 1,146 cases (more than 96%).

A new laboratory was opened in the O.S. Longman Building on the University of Alberta Campus. Nearly 10,000 square feet of excellent space is now available for the research biologists of the Fish and Wildlife Division. Better liaison is now possible with scientists of the Alberta Department of Agriculture; also housed in the same complex. Research programs were also continued in the field on pheasants, waterfowl, black bears, whitefish and ciscoes (tullibee), as well as in the field of water pollution. In general, research capabilities have been extended considerably, which will provide a stronger base for the management of Alberta fish and wildlife populations.

Fish and wildlife populations in Alberta show no indication of over-exploitation, with the exception of mountain goats, which are at a low population level in most areas. Opportunities are therefore still available for expanded hunting and fishing recreation. In some areas, habitat acquisition, rehabilitation and development are required. This will necessitate additional fiscal support and appointment of staff specialists. New methods of generating revenue for development programs should be investigated, if provision of angling and hunting recreation are to keep pace with increasing demands.

FISHERIES

1968 saw the establishment of an aquatic pollution research section in the division. Paul Paetkau joined our staff in July, coming to us from a teaching position in Saskatchewan. Mr. Paetkau had previously obtained his M.Sc. degree at the University of Alberta and also spent a year of post graduate study in Germany. Expansion of this section will include the addition of technical personnel as funds permit.

M.J. Paetz, Chief Fishery Biologist, completed his course work towards a Ph.D. degree at the University of Alberta. His thesis study involves the ecology of whitefish-tullibee hybrids in selected northern Alberta lakes. R.J. Paterson, Senior Management Biologist, completed his study of lake trout in Swan Lake, Alberta and obtained his M.Sc. degree from the University of Alberta in November.

Kenneth Zelt joined the staff in September 1968 to head the Canada Land Inventory Fish Capability Study, a program conducted under federal government sponsorship. Leo Gudmundson, a graduate of the Saskatchewan Institute of Applied Arts and Sciences, joined the headquarters staff as a technician to assist on senior staff research studies. W.G. Gilbert, a long-time employee of the division and assistant to Mr. Scott in the Commercial Fisheries Section, suffered a severe heart attack in August and was absent on sick leave for the remainder of the year.

Several changes in regulations were instituted in 1968. A new \$10.00 non-resident alien licence was introduced and the resident angling licence fee was increased to \$3.00. Catch limits on lake trout were reduced on several lakes. The limit on lake whitefish was raised from 8 to 10 fish, while the catch limit on perch was eliminated. The use of live or dead fish for bait was restricted to fish of the smelt and herring families only and more liberal regulations for ice fishing were introduced. All of these measures received satisfactory public support and angling licence sales were not apparently affected by the price increase (Figure 2).

A new zoning system and new regulations respecting commercial fishing were introduced, along with some changes in the licencing structure. These changes are part of a gradual move to improve the efficiency of the commercial fishery in Alberta, and their impact has yet to be assessed.

A recreational net fishing licence was established, permitting the use of 25 yards of gill net on specified lakes in the southern and central parts of the province. Seasons were opened on several lakes but cold winter weather reduced participation in these fisheries.

Biologists and fish culture staff attended and contributed to meetings both in and out of the province in 1968-69. Of note were the meetings of the American Fisheries Society in Tucson, Arizona, the Canadian Committee on Freshwater Fishery Research in Winnipeg and the Great Plains Fishery Workers Association Workshop in Rapid City, South Dakota. Division staff have played an active role on various subcommittees of the Alberta Advisory Committee on Pollution Control. They have also been actively involved in the work of the Committee on Aquatic Plant Control, a committee responsible for the establishment of controls for the chemical treatment of aquatic plants in Alberta lakes and streams.

REGIONAL OPERATIONS

1. LETHBRIDGE REGION

Stanley Clements, previously of the Canada Land Inventory Ungulate Study, joined the Fisheries Branch to become regional fishery technician in Lethbridge. Gordon Haugen, Regional Fishery Biologist, was granted educational leave and attended Montana State University at Bozeman to take courses leading to a M.Sc. degree. He continued his studies on the lake sturgeon of the South Saskatchewan River, which will provide the material for his Master's thesis. An experimental sturgeon angling season was held in connection with this study. Sturgeon taken during the season were tagged by anglers and brought in to division offices, where biological information was taken from the fish.

Among other studies, particular attention was given to Waterton Reservoir, to collect basic information on this water body and to develop a management plan for its fisheries. Studies were made to determine the effect of adjacent land management practices on Battle, Greyburn and Willow Creeks and the Crownsnest River, and recommendations were prepared for remedial action where necessary. Studies of the effects of coal mining on Vicary, Racehorse and McGillivray Creeks were also carried out. Attention was given to pollution in the Oldman River and monitoring programs were commenced to assess the accumulation of pesticide residues in southern Alberta fishes.

2. CALGARY REGION

Dennis McDonald, Assistant Biologist, was promoted to Regional Biologist in September, 1968. His previous position was filled by Gerald Thompson in January, 1969, who came from a position with the Ontario Department of Lands and Forests in Sudbury.

A program of stream improvement was carried out on the upper twelve miles of Dogpound Creek and the effects of this on survival and reproduction of trout are being assessed. Catchable-size tagged rainbow trout were stocked in the Elbow River in Calgary and a program to assess the catch returns from this was instituted. The results indicated a very high return rate — 73% of the fish stocked were caught by January 1, 1969. The fish for this project were donated by a prominent Calgary businessman.

Survey work on road allowance access to rivers and streams in the region was continued. So also were studies of pesticide residues in fish in the Bow River and studies on the taste problem in fish from that river.

Dennis McDonald, Regional Biologist, was presented with the Calgary Fish and Game Association's 'Conservationist of the Year' award, for his efforts in the region.

3. RED DEER REGION

A study on Elk Creek, in the Clearwater Forest Reserve, was continued to evaluate the present fishery management program on that stream and the effects of cattle grazing on its fishery. Census by electrofishing was used in the assessment of fish populations and some new techniques tried out. Creel census studies of angling pressure and success in the Clearwater Forest Reserve were also continued.

Field studies on a number of lakes and streams were carried out. Particular attention was paid to Buffalo Lake, since this lake may be affected by water diversion and control schemes under the PRIME project. Evaluation of kokanee introductions in Twin Lake (Rocky Mountain House), Phyllis Lake and West Twin Lake (Winfield) was carried out; both Phyllis and Twin Lake provided good catches to anglers in 1968 but survival in West Lake was poor.

Several pollution investigations were carried out and efforts made to correct them. Significant time was devoted to problems arising from extensive seismic exploration in the area southwest of Rocky Mountain House.

4. EDSON REGION

Work was continued on the Tri-Creek Watershed Project, in the Coal Branch area southwest of Edson. Techniques were developed for monitoring habitat changes on the three study streams and extensive analyses of the bottom organisms in these streams were carried out.

Hassie Lake, west of Edmonton, and Fairfax Lake, in the Coal Branch area, were both treated with fish toxicant in September to remove their fish populations prior to restocking with trout. Recreational net fisheries held on these lakes attracted very little interest and few fish were taken.

The aeration project at Miller's Lake was continued. Although some improvement in oxygen levels was achieved, the results do not indicate that this system will have wide application in the reduction of winter-kill in Alberta's lakes.

An extensive winter creel census on Lake Wabamun indicated that over 100,000 lbs. of lake whitefish were taken by anglers during the winter fishing season.

5. ST. PAUL REGION

A project was initiated to study the reproduction of northern pike in Floatingstone Lake. Increased knowledge of the spawning requirements of these fish will permit better management of the species in this area. Pike on the spawning run were tagged and their movements studied.

Studies were carried out on the fish populations of the North Saskatchewan River and on several lakes in the region, notably Wolf Lake, Whitefish Lake and Floatingstone Lake.

Much effort has been expended on improvements in commercial fishery management in the region.

6. PEACE RIVER REGION

Particular attention was paid to surveys of the fish populations in the Peace River and its tributaries. Attempts are being made to assess the effect of low water levels in the river upon its fisheries. Construction of the Bennett Dam in British Columbia is expected to cause changes in the fish populations of that river.

Survey work was carried out on a number of lakes and streams in the region, notably Moonshine Lake, Twin Lakes (near Manning), Winagami Lake, Running Lake and Figure Eight Lake. Studies were also conducted on a number of streams.

RESEARCH SECTION

A major study was initiated on the spawning ecology of lake whitefish. A knowledge of the factors affecting spawning success is essential to more effective management of this species. First stages of the study are being conducted at Pigeon and Buck Lakes, in central Alberta.

Studies of the spawning of walleyes in Richardson Lake and the Athabasca delta were continued, as were studies of parasite infestation in whitefish, ciscoes and pike in Moose and Kehiwin Lakes.

POLLUTION SECTION

A program was established for monitoring the biological condition of several of the province's major river systems, notably parts of the Smoky, Athabasca, North Saskatchewan, Bow and Oldman Rivers.

Preliminary studies were conducted at the Luscar coal-mining site to determine measures necessary to prevent stream pollution.

NORTHERN ALBERTA LAKE SURVEYS

This program, under joint sponsorship of the federal government and the Northern Alberta Development Council, was continued in 1968. The following lakes were surveyed:

Margaret Lake (Twp. 114-9-W5)

Eva Lake (Twp. 114-7-W5)

Pitchimi Lake (Twp. 115-5-W5)

Peerless Lake (Twp. 88-5-W5)

Graham Lake (Twp. 87-4-W5)

Round Lake (Twp. 89-4-W5)

God's Lake (Twp. 90-2-W5)

Utikuma Lake (Twp. 79-10-W5)

Utikumasis Lake (Twp. 80-11-W5)

CANADA LAND INVENTORY

The Sport Fish Capability Study, under the Canada Land Inventory program, was begun in Alberta in 1968. Physical factors are used to assess and classify lakes and streams and the data compiled into resource maps. These data will form part of an information bank to be utilized in land use planning across Canada.

Field survey work was conducted in southern Alberta in the summer of 1968. Mr. Kenneth Zelt, a graduate of the University of Alberta, was appointed to head the project in September and spent much time developing plans for an accelerated field program in 1969.

FISH CULTURE AND STOCKING

The total production of yearling, fingerling trout, and kokanee at Calgary and the Raven Rearing Station was 3,456,955. This production was realized despite the fact that the complete stock of eastern brook trout had to be destroyed as a result of disease in the shipment. Rearing facilities were operated at their maximum capacity to meet, as far as possible, the demands of the province's stocking program. A breakdown of the hatchery production by species is given in Figure 1. Work was continued in 1968 on the design of a new hatchery facility with increased capacity for raising fish and with room for future expansion.

Notable amongst introductions of fish were hybrid splake stocked in Emerson Lake, northwest of Edson, and in a small unnamed lake near Hinton. Brown trout were stocked on an experimental basis in the lower Crowsnest River. Lake trout introductions were continued in Cold Lake, as were introductions of kokanee in Narrow Lake. In addition to direct hatchery production, introductions of warm water species included 1,115,000 walleye eyed-eggs, 30,000 pike eggs, 5,000 yearling pike, 200 adult perch and 11,000 yearling perch.

GAME FISH FARMS

Inspections were made on a number of potential private and commercial game fish farm sites at the request of the property owners. The number of game fish farm licences that were issued is shown in Table 2. As can be seen, game fish farms continued to increase in popularity. This is probably a result of increased awareness of the program in rural areas and more readily available supplies of fish from commercial operators. Development of commercial game fish farms has, however, so far been restricted to the southern part of the province.

COMMERCIAL FISHERIES

Commercial fish production for the fiscal year 1968-69 increased in total production of all species with a corresponding increase in value to the fisherman, but due to a change in species composition (an increased production of tullibee for animal food), the value as marketed was slightly less.

A record of commercial fish production from the fiscal year 1948-49 to 1968-69 is presented in Figure 3.

Landings of lake whitefish for the same period are presented in Figure 4.

Landings of walleye from the fiscal years 1938-39 to 1968-69 are shown in Figure 5.

TABLE 2. SALES OF LICENCES – FISHERIES

Kind	1964-65 No.	1965-66 No.	1966-67 No.	1967-68 No.	1968-69 No.
Angling Licences –	124,747	122,537	133,092	136,693	–
Resident & Non-Resident Canadian	–	–	–	–	139,253
Non-Resident – Non-Canadian	–	–	–	–	1,621
Spear Fishing Licences	76	87	141	147	244
Special Licences to Take Lake Sturgeon	–	–	–	–	135
Commercial Licences	73	39	–	–	–
Fisherman's Commercial Licences	4,138	4,468	4,360	4,758	–
Zone Commercial Licences	–	–	–	–	378
Zone Fisherman's Licences	–	–	–	–	1,219
Zone Recreational Fishing Licences	–	–	–	–	103
Domestic Licences	39	63	51	78	109
Fish Dealer's Licences	55	53	51	70	56
Commercial Game Fish Farm Licences	7	6	6	5	7
Private Game Fish Farm Licences	8	20	26	37	46
Totals	129,143	127,273	137,727	141,788	143,171

TABLE 3. COMMERCIAL PRODUCTION OF FISH BY SPECIES

Species	1964-65 Lbs.	1965-66 Lbs.	1966-67 Lbs.	1967-68 Lbs.	1968-69 Lbs.
Whitefish	1,506,144	1,918,912	1,836,987	2,422,379	2,063,057
Trout (Lake)	9,459	7,623	3,528	2,787	4,425
Walleye (pickerel)	465,748	372,576	286,286	221,087	283,035
Perch	320,990	646,996	274,509	178,844	155,127
Pike	958,922	1,248,792	1,224,664	944,510	1,431,879
Tullibee	8,714,348	4,402,771	6,492,126	5,859,370	6,996,094
Ling – Mixed fish	319,604	180,597	300,145	588,414	722,074
Suckers	–	115,567	88,418	220,016	330,211
Goldeye	1,385	391	1,807	284	737
Totals	12,296,600	8,894,225	10,508,470	10,437,691	11,986,639

	Weight Lbs.	Value to Fishermen \$	Value as Marketed \$
Totals for year 1964-65			
Totals for year 1965-66	12,296,600	793,043.10	1,243,481.68
Totals for year 1966-67	8,894,225	720,886.32	1,188,319.17
Totals for year 1967-68	10,508,470	832,711.79	1,397,485.90
Totals for year 1968-69	10,437,691	874,525.89	1,559,976.04
Totals for year 1968-69	11,986,639	932,940.89	1,466,369.67

TABLE 4. FISH EXPORTED FROM ALBERTA 1968-69 BY SPECIES

Species	Canadian Markets Lbs.	U.S.A. Markets Lbs.	Total Lbs.
Whitefish	434,448	767,032	1,201,480
Trout (Lake)	--	180	180
Walleye (pickerel)	21,254	121,131	142,385
Perch	43,571	93,202	136,773
Pike	161,511	205,826	367,337
Tullibee	73,832	339,375	413,207
Suckers	225	--	225
Totals	734,841	1,526,746	2,261,587

TABLE 5. QUANTITIES AND VALUE OF FISH CAUGHT AND MARKETED 1968-69

Species	Period	Weight (lbs.)	Value to Fishermen	Value as Marketed
Whitefish	April 1/68 to September 30/68	774,783	\$160,543.94	\$289,777.20
	Oct. 1/68 to December 31/68	202,212	39,945.98	64,866.23
	Jan. 1/69 to March 31/69	1,086,062	229,161.66	391,625.73
			\$429,651.58	\$746,269.16
Trout (Lake).....	April 1/68 to September 30/68	1,243	373.50	621.50
	Oct. 1/68 to December 31/68	—	—	—
	Jan. 1/69 to March 31/69	3,182	1,591.00	1,591.00
			1,964.50	2,212.50
Walleye	April 1/68 to September 30/68	246,849	35,870.84	72,181.05
	Oct. 1/68 to December 31/68	25,471	6,095.77	10,098.50
	Jan. 1/69 to March 31/69	10,715	5,375.22	6,014.91
			47,341.83	88,294.46
Perch	April 1/68 to September 30/68	86,065	5,466.39	12,382.53
	Oct. 1/68 to December 31/68	15,279	1,473.46	2,975.81
	Jan. 1/69 to March 31/69	53,783	6,421.18	11,155.80
			13,361.03	26,514.14
Pike	April 1/68 to September 30/68	797,961	32,377.76	75,900.63
	Oct. 1/68 to December 31/68	376,851	22,889.56	28,356.14
	Jan. 1/69 to March 31/69	257,067	24,941.64	28,723.99
			80,208.96	132,980.76
Tullibee	April 1/68 to September 30/68	4,971,241	229,118.41	288,480.06
	Oct. 1/68 to December 31/68	1,637,645	71,076.87	87,638.99
	Jan. 1/69 to March 31/69	387,208	28,516.20	54,831.74
			328,711.48	430,950.79
Mixed Fish	April 1/68 to September 30/68	177,706	6,074.99	7,046.98
	Oct. 1/68 to December 31/68	443,238	12,417.43	15,003.50
	Jan. 1/69 to March 31/69	432,078	13,209.09	17,097.38
			31,701.51	39,147.86
			\$932,940.89	\$1,466,369.67

The above includes Ling and Suckers as well as 737 lbs. Goldeye from Athabasca Lake for the period April 1st to September 30th, 1968.

Value to Fishermen — \$ 73.70
Value as Marketed — 368.50

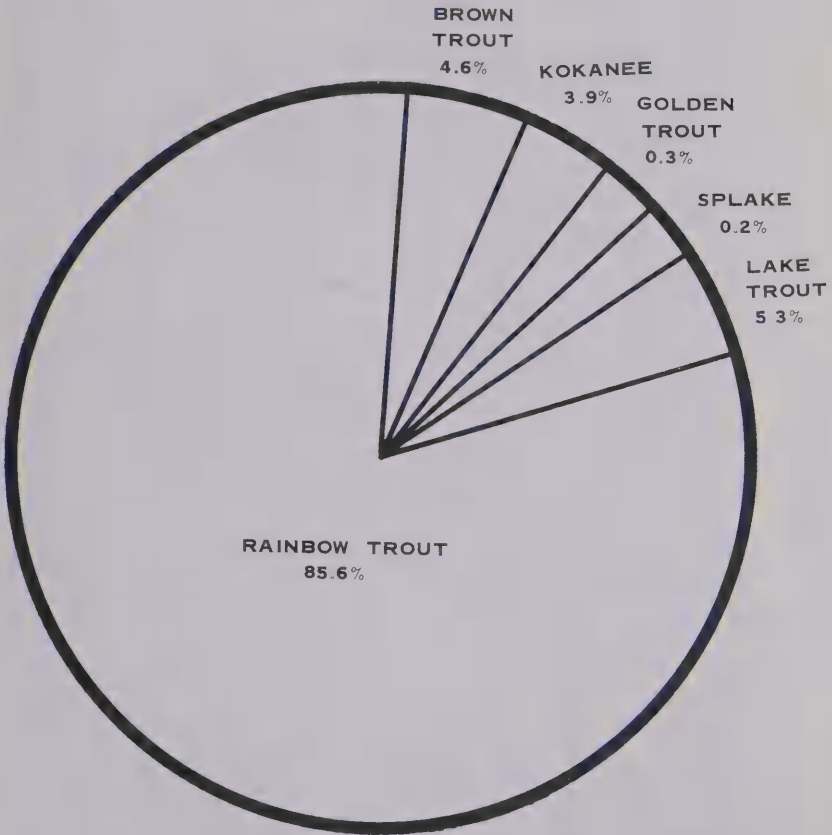


FIGURE 1. GRAPHIC REPRESENTATION OF HATCHERY PRODUCTION BY SPECIES IN 1968.

FIGURE 2. ANGLING LICENCE SALES IN ALBERTA 1968-69

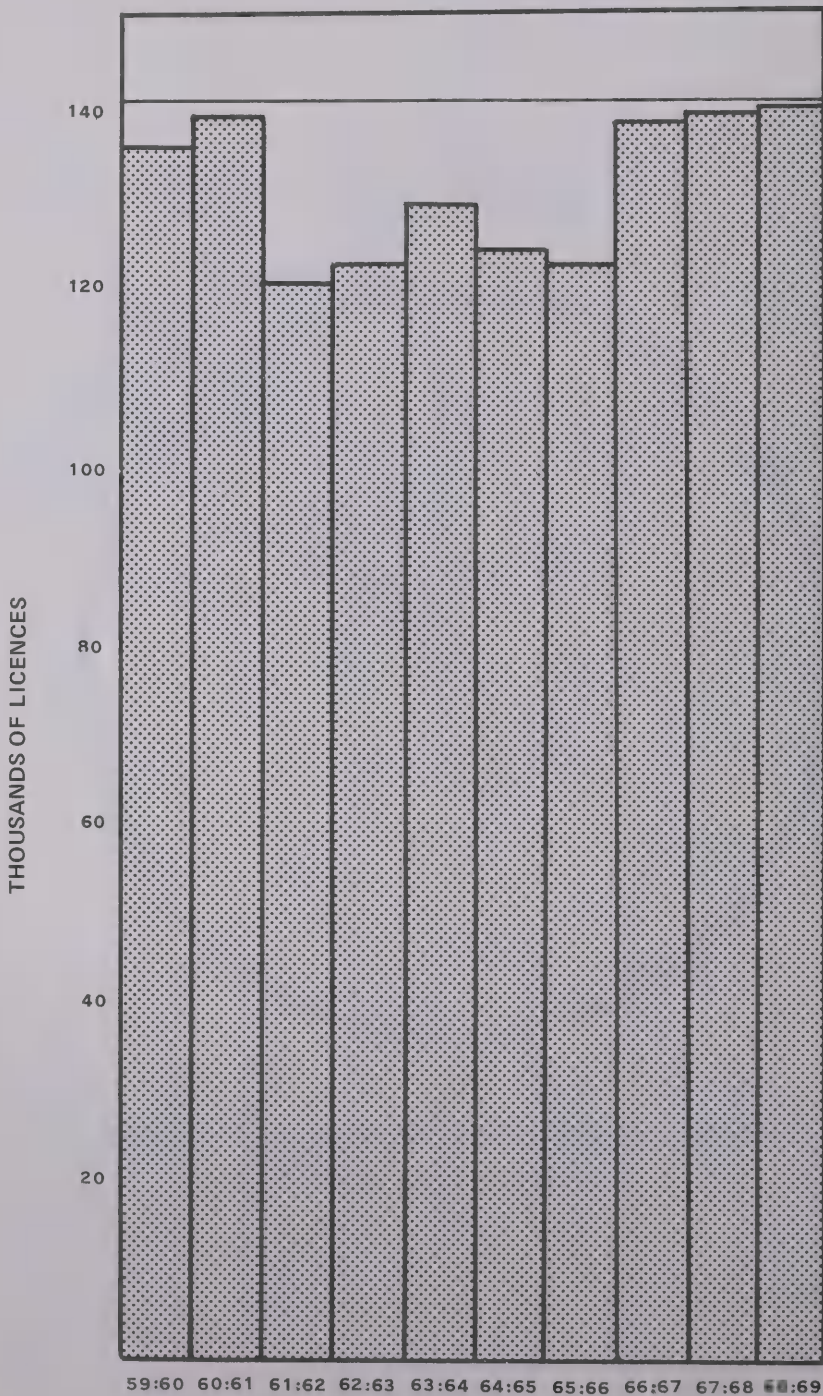


FIGURE 3.
 PRODUCTION OF COMMERCIAL FISH IN ALBERTA 1948-69
 MILLIONS OF POUNDS

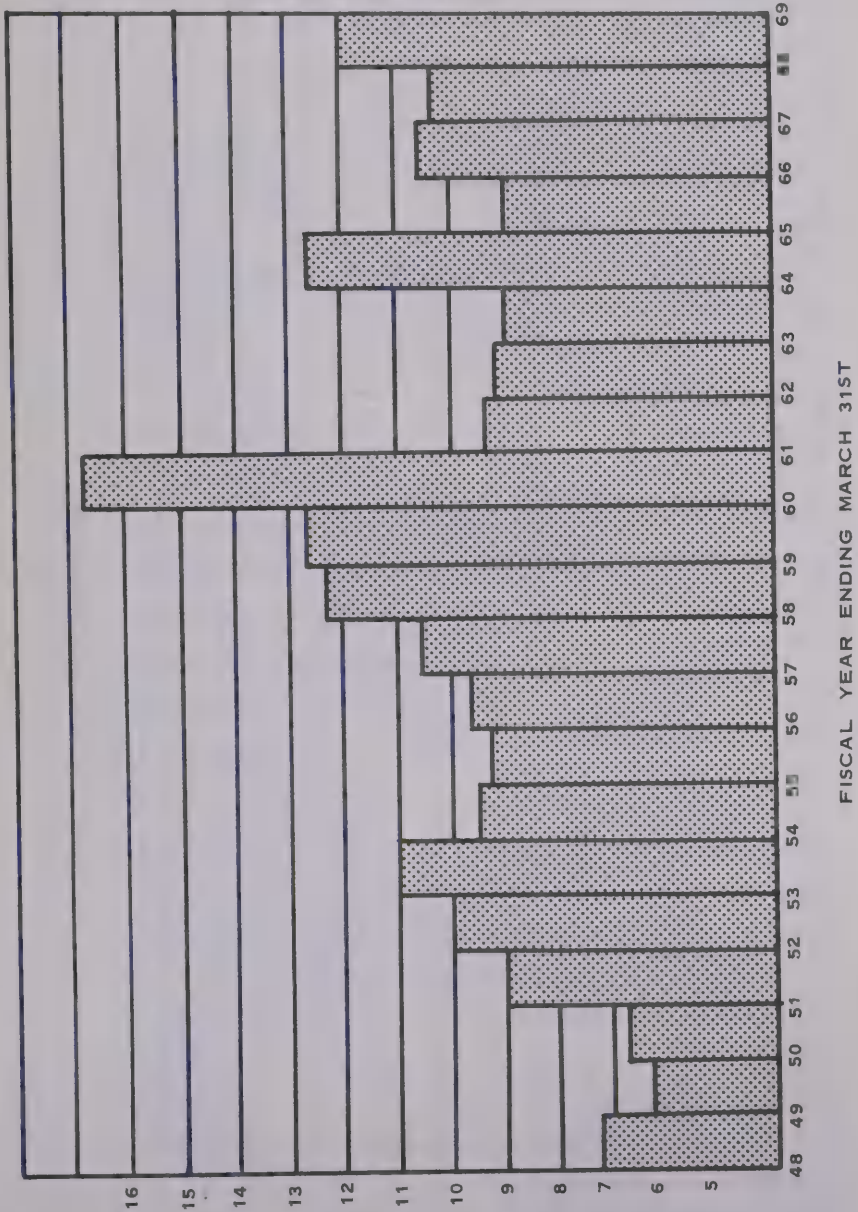


FIGURE 4. COMMERCIAL PRODUCTION OF LAKE
WHITEFISH IN ALBERTA 1948 - 69

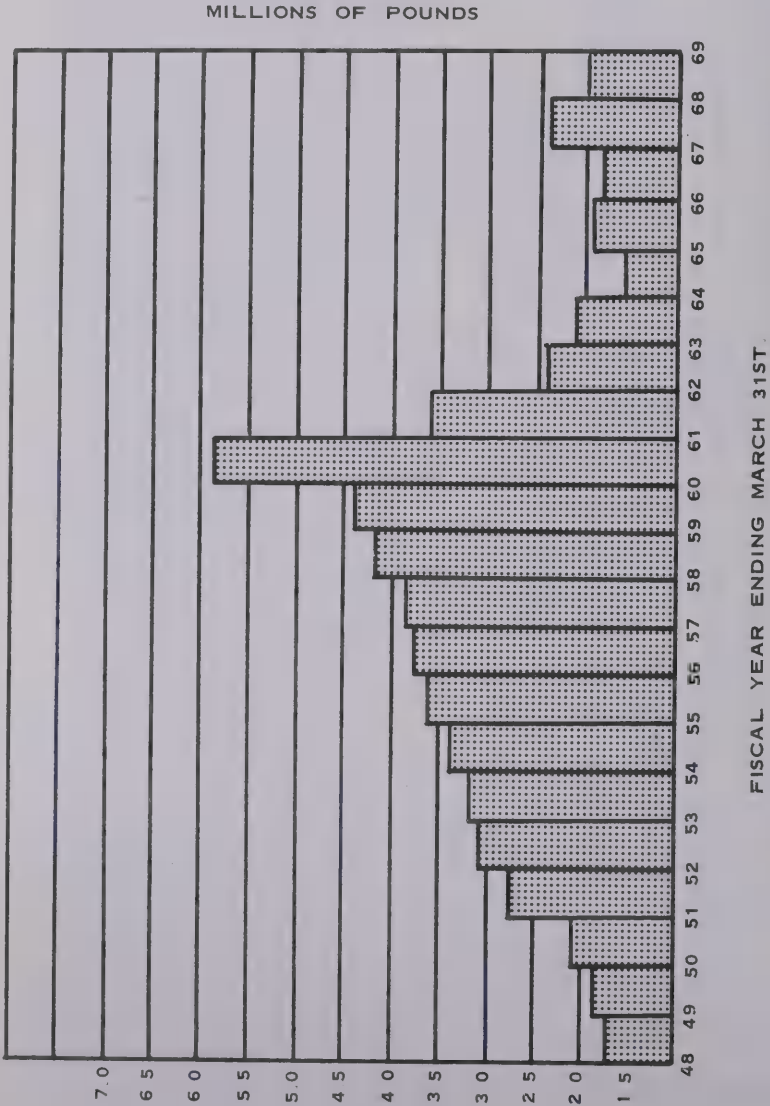
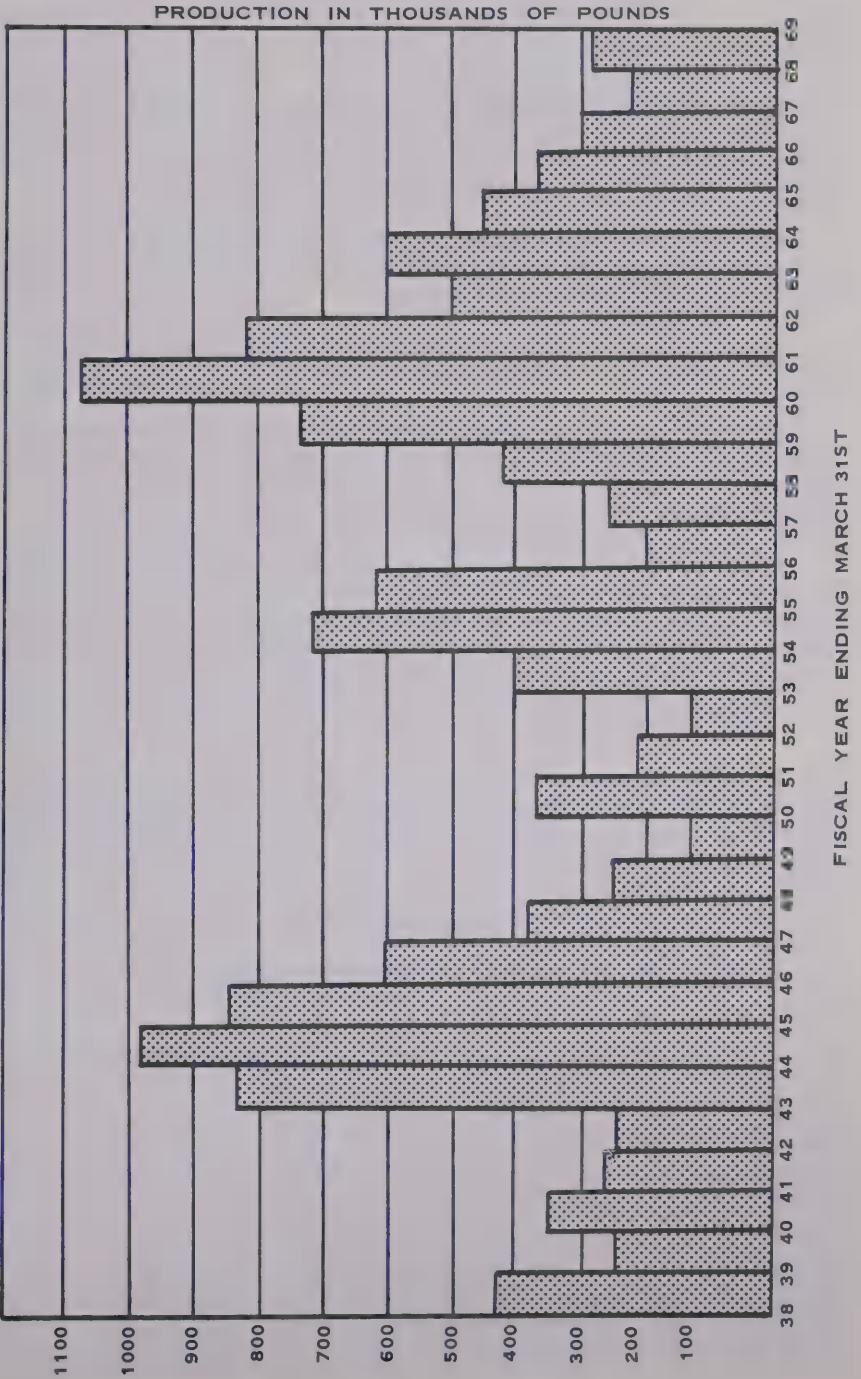


FIGURE 5. COMMERCIAL PRODUCTION OF WALLEYE IN ALBERTA
1938-69



WILDLIFE

UPLAND GAME BIRDS

Native grouse populations were excellent throughout most of the province in 1968 with the most dramatic increases being in the northern areas. Spring breeding population indices for all species of grouse were above the 1967 levels. Brood production and survival was good in most areas which resulted in improved hunter success in the fall.

Sharptail grouse hunting declined somewhat in the parkland and east-central prairie regions. This is believed to be the result primarily of late spring frosts during nesting which resulted in the loss of a large proportion of eggs.

Sharptail grouse populations continued to show improvement in the western foothills areas.

Hungarian partridge remained relatively unchanged throughout much of their range but with increases evident on the northern fringe of their distribution. Generally, partridge populations have remained unchanged in heavily cultivated areas with other areas remaining unchanged or slightly improved.

Pheasant numbers continued poor in all but a few local areas. The survival of pheasants through the winter of 1967-68 allowed for a small recovery in the fall of 1968. Late spring frosts, however, reduced chick production and prevented a greater increase. Climatic conditions through the early winter of 1968-69 look encouraging for some recovery for the 1969 season, but spring conditions will be the deciding factor.

Pheasant populations north of Highway No. 1 continued very low.

The third experimental hen pheasant season was held in southern Alberta in 1968. This season is designed to test what effect hen pheasant hunting has on pheasant population trends. A total of 244 unbanded hens and 182 cocks were taken by hunters in 1967 compared to 233 hens and 150 cocks in 1966. Evidence to date indicates that the hunting of hens on a limited basis is not causing the population to decline. A final report with results and recommendations should be available late in 1969 or early 1970.

1968 PHEASANT RELEASES

Release Area	No. Hens	No. Cocks	Total
Olds	390	152	542
Q. Ranch	82	—	82
Carstairs	64	—	64
Rosemary	96	7	103
Strathmore	192	12	204
Duchess	109	5	114
Irricana	3	3	6
Dickson	18	29	47
Camrose	—	322	322
Stettler	94	97	191
Red Deer	96	96	192

Release	No. Hens	No. Cocks	Total
DeWinton	150	162	312
Cowoki	100	127	227
Millicent	180	135	315
Ranier-Scandia	700	700	1,400
Antelope Creek	—	64	64
Totals	2,274	1,911	4,185

1968 NUMBER OF PHEASANTS RELEASED

No. of Pheasants Released	Hens	Cocks	Total
Spring Release (Adults)	633	40	673
Fall Release (Juvenile)	1,641	1,871	3,512
Totals	2,274	1,911	4,185

The special sage grouse season continued in 1968 with only 220 licence applications being received as compared to 408 in 1967. The decline is thought to be a result of the restricted antelope season which occurred at the same time.

The introduced population of turkeys in the Cypress Hills area has remained relatively static throughout the past few years but declined from previous levels. A survey of turkeys transplanted to the Porcupine Hills indicated that few if any birds remain. Extreme climatic conditions since the time of their release has not assisted their establishment.

The drought conditions experienced in 1967 and only average spring run-off resulted in poor waterfowl nesting conditions. Consequently, production was poor and populations of the major species remained well below the long time average. The wet fall of 1968 resulted in much improved water conditions and a favourable situation for 1969.

The Canada Goose transplanting program initiated in 1963 as a joint venture between the Fish and Wildlife Division and Ducks Unlimited (Canada) was continued in 1968. One hundred and thirty-seven goslings were released on potential new nesting areas bringing the total geese transplanted to date to 1,006.

Financial support was given to a student biologist throughout the summer to study the behaviour and success of transplanted birds. His study will continue in 1969.

A second goose nesting study was initiated in 1968 on Dowling Lake. This study will continue in 1969.

BIG GAME

Deer production improved in 1968 over 1967. This was apparent primarily in the Prairie and Parkland regions. Mule deer populations have continued a slow decline in the Prairie and Parkland regions as they have done throughout much of central North

America in the past few years. The more wary and competitive White-tailed deer has continued to hold its own and is still expanding its range, mainly in the northwestern regions.

Elk hunters had average success in 1968 although wet weather made travel difficult early in the season. Wintering populations of elk appeared near normal in most areas.

A lower than normal elk harvest was realized in the southern elk herds as light snowfall did not force the animals into accessible areas until after the hunting season.

The liberalized moose season in northern Alberta (Big Game Zone 1) for the most part was successful in increasing total moose harvest and somewhat reducing hunting pressure in the south and central settled areas. The sale of special non-resident moose licences declined greatly with increase in licence fee and the requiring of guides. Licence sales were less than half of the 9,927 sold in 1967. In light of moose range conditions and current reproductive rates it was desirable that more moose be harvested but it was also necessary that more control of out-of-province hunters be attained.

1967-68 ESTIMATED PROVINCIAL BIG GAME HARVESTS

Species	Residents		Non-Residents		Total	
	1967	1968	1967	1968	1967	1968
Antelope	496	955	0	0	496	955
Bighorn Sheep (non-trophy)	128	109	0	0	128	109
Bighorn Sheep (trophy)	165	132	51	40	216	172
Mountain Goat	57	40	69	45	126	85
Black Bear (spring)		332				332
Grizzly Bear		61				61

The special non-trophy sheep season was expanded in 1967 with the harvest increasing to 128 from 64 animals in 1966. The 1968 sale of non-trophy sheep licences was further increased but poor hunting conditions and the protection of 1-1/2 year old rams resulted in a decreased harvest. We are now reaching the point in some areas where the effects of this season may become apparent.

The decrease in trophy sheep harvest was the result of two factors; the elimination of the non-resident November season and the increase of the minimum horn size from a 3/4 curl to a 4/5 curl, thus making fewer animals available.

Antelope populations continued to decline in 1967. High adult mortality and low fawn production resulted from the severe late spring storms experienced throughout most of the antelope range. A male only season was declared in an attempt to retain antelope hunting while at the same time allow for maximum herd recovery. The total population was estimated at 8,500 animals as compared to the 1964 population level of approximately 18,000. The issue of 1,005 permits resulted in the harvest of 496 bucks which was about one quarter of the total bucks available. In 1968 the population recovered somewhat to an estimated 10,000 animals. The 1968 season was for males only again with 2,385 permits being issued. Hunter success was at a low of 40 per cent. Favourable winter conditions in the 1968-69 winter will dictate whether a further recovery occurs.

An antelope licence priority system was initiated in 1967 in an attempt to more equitably distribute licences. Unsuccessful applicants received a coloured 1968 applica-

tion form which gave them a priority position in that year. Only about one half of the priority applications were submitted for the 1968 season thereby providing all applicants with a licence in the past two years. The 1969 season will be open to all applicants.

Mountain goat seasons were quite seriously restricted in 1968 with exception of the most remote wildlife management units. This attempt to reduce the harvest was apparently somewhat effective as the harvest declined from 126 to 85 animals.

For the first year it has been possible to estimate bear harvests in the province with the grizzly kill for 1968 being placed at 61 animals, 12 of which were taken in the spring season, while the black bear kill in the spring season alone was estimated at 332. The 1968 fall black bear harvest is unknown.

PREDATOR CONTROL

Limited wolf control was attempted in some northern regions in an attempt to reduce livestock losses. A limited number of problem wolves were removed.

All evidence collected by divisional staff continues to indicate that wolf populations are not suppressing big game populations and that big game ranges continue to show over-use. Some predator-livestock problems are developing in areas of marginal livestock production as wolf populations appear to be increasing.

CROWN LANDS

During the past year we have become more involved with the disposition of Crown Lands and have become involved in Crown Land, land-use practices.

The Fish and Wildlife Division has become involved in recommending programs for land clearing on grazing leases and grazing reserves so that we are now able to make some headway in the protection and retention of wildlife habitat and populations. This has involved the northern area primarily and to a lesser degree the central and southern districts.

We have become involved in recommending the disposition of Crown Lands surrounding water bodies and thus are able to exert some influence on the retention and protection of waterfowl and furbearer habitat.

A more concerted effort in the area of land disposition and land management and development practices is required in the future if these areas are to continue to produce a wildlife resource.

ENFORCEMENT

The number of charges preferred by the Fish and Wildlife Division during the 1968-69 fiscal year was considerably higher than the previous year's total. Firearms infractions, once more, constituted the major part of the prosecution structure. This has been a consistent trend for the past several years. Of the 1,146 cases taken to trial, 44 were dismissed or withdrawn. This compares with 21 last year and 22 the previous period.

The incidence of night hunting in Alberta is increasing yearly. To cope with this problem, the division employed various enforcement techniques in an attempt to apprehend this type of violator. The results were encouraging in that 22 violators were apprehended and charged for various night-hunting offences. This is a most difficult type of problem to deal with and the results indicate an effective program.

Table 1

	PROSECUTIONS			
	1965-66	1966-67	1967-68	1968-69
Investigations (Total)	907	925	890	3,025
Prosecutions	843	867	854	1,146
Convictions	815	845	833	1,102

Table 2

	FREQUENCY OF VIOLATIONS RESULTING IN CONVICTION	
Hunting	1967-68	1968-69
Loaded firearm in motor vehicle	247 - 44 %	309 - 42.9%
Illegal possession of game	78 - 12.5%	107 - 14.5%
Unlawfully hunting in a closed season - area	54 - 8.6%	53 - 7.4%
No licence	54 - 8.6%	50 - 7 %
Hunting at night		15 - 2 %
Spotlighting		7 - 1 %
Fisheries		
Unlawfully angling without licence	73 - 35.1%	184 - 48 %
More than one line, angling through ice, unattended line.	50 - 24 %	65 - 17 %
Angling in water set aside for propagation of fish.		19 - 5 %
Small mesh net	5 - 2.4%	7 - 1.8%

REVENUE AND EXPENDITURES:

Revenue is obtained primarily from hunting, angling, commercial fishing and fur dealers' licences, fur taxes, trapline registration and commercial fishing royalties.

Table 3.

	\$ 1965-66	\$ 1966-67	\$ 1967-68	\$ 1968-69
Revenue Total	1,035,321.15	1,091,134.43	1,416,069.37	1,707,574.31
Expenditure Total	1,092,325.21	1,307,432.49	1,541,022.76	1,642,778.52

WILDLIFE DAMAGE FUND

Revenue Total				551,769.78
Expenditure Total				432,412.93
Balance of Fund	95,110.95	130,279.56	336,051.95	119,356.85

Crop Damage

This was the fifth year of operation since the Wildlife Damage Fund was initiated. Under this plan an applicant is able to file a claim for damage and is required to pay a fee of \$25.00 for each quarter section or portion thereof. The number of claims filed for the 1968-69 period was considerably higher than in previous years. Inclement weather during the harvest period resulted in an exceptionally late harvest, consequently extensive waterfowl depredation occurred. It is evident that the major factor in crop damage is the weather conditions during the harvest operation.

Table 4.

	1966-67	1967-68	1968-69
Claims	477	99	821
Acreage Damage	17,358½	3,390	39,408
Settlements and Costs	\$169,939.93	\$ 43,143.22	\$410,444.41

Loss or Injury to Livestock
Caused by Hunters

This is the third year compensation for loss or injury to livestock was made available. There was no change in the basic regulations relating to the submission of claims from the previous year.

Table 5.

	1966-67	1967-68	1968-69
Claims			42
Veterinary Claims			4
Awards	\$ 6,689.68	\$10,217.81	\$ 7,968.52
Renewable Resources			
Consulting Services			\$14,000.00

GAME

COMPARISON OF THE NUMBER OF GAME LICENCES ISSUED

	1965	1966	1967	1968
Resident Bird Game Stamps	76,880	64,219	68,703	69,833
Non-Res. (Alien) Bird Game Stamps	796	854	1,399	1,343
Non-Res. (Canadian) Big Game Stamps	71	86	54	59
Non-Res. (Alien) Big Game Stamps	554	631	429	644

GAME LICENCES AND STAMPS

APRIL 1, 1968 to MARCH 31, 1969

	LICENCES, ETC.	FEE	TOTAL AMOUNT
Wildlife Certificates	119,978	\$ 2.00	\$239,956.00
Resident Bird Game Stamps	69,833	2.50	174,582.50
Non-Res. (Canadian) Bird Game Stamps	4,253	5.00	21,265.00
Non-Res. (Alien) Bird Game Stamps	1,343	25.00	33,575.00
Resident Moose Stamps	39,990	5.00	199,950.00
Resident Elk Stamps	26,181	5.00	130,905.00
Resident Moose Stamps (Zone One)	3,696	5.00	18,480.00
Non-Res. (Canadian) Big Game Stamps	59	75.00	4,425.00
Non-Res. (Alien) Big Game Stamps	644	150.00	96,600.00
Resident Sheep Stamps	1,305	7.50	9,787.50
Resident Goat Stamps	216	7.50	1,620.00
Non-Trophy Sheep Stamps	374	5.00	1,870.00
Wainwright Deer Stamps	338	5.00	1,690.00
Resident Whitetail Deer Stamps	37,713	3.00	113,139.00
Non-Res. Whitetail Deer Stamps	256	15.00	3,840.00
Resident Mule Deer Stamps	38,125	3.00	114,375.00
Resident Caribou Stamps	554	7.50	4,155.00
Resident Grizzly Bear Stamps	349	7.50	2,617.50
Resident Antelope Stamps	2,385	7.50	17,887.50
Ya-Ha Tinda Elk Stamps	299	5.00	1,495.00
Resident Sage Grouse Stamps	220	1.00	220.00
Non-Res. & Non-Res. (Alien) Special Big Game Stamps	4,343	50.00	217,150.00
Resident Spring Bear Licences	1,083	5.00	5,415.00
Non-Res. Spring Bear Licences	58	25.00	1,450.00
Permit to Collect	61	free	—
Taxidermist's Licences	56	5.00	280.00
Guide's Licences (Class "A")	679	2.50	1,697.50
Guide's Licences (Class "B")	1,159	2.50	2,897.50
Game Farm Licences (Bird)	29	Various	335.00
Game Farm Licences (Big Game)	2	Various	150.00
Resident Trapper's Licences	3,676	3.00	11,028.00
Dog Trainer's Licences	14	Various	166.00
Camp Wainwright Grouse	113	free	—

ALBERTA FUR PRODUCTION SEASON 1968-1969

(WILD FUR)

	TOTAL NUMBER OF PELTS	AVERAGE VALUE OF PELTS	TOTAL VALUE OF PELTS
BADGER	265	\$10.23	\$ 2,710.95
BEAR	608	24.76	15,054.08
BEAVER	60,078	16.84	1,011,713.52
ERMINE	19,697	.73	14,378.81
FISHER	487	12.28	5,980.36
SILVER FOX	12	8.25	99.00
CROSS FOX	89	10.62	945.18
RED FOX	289	13.75	3,973.75
WHITE FOX	12	18.48	221.76
BLUE FOX	1	6.50	6.50
LYNX	3,259	27.05	88,155.95
MARTEN	546	10.00	5,460.00
MINK	14,326	12.17	174,347.42
MUSKRAT	132,870	1.25	166,087.50
OTTER	153	23.27	3,560.31
JACK RABBITS	9,526	.32	3,048.32
SKUNK	27	.36	9.72
SQUIRREL	421,124	.46	193,717.04
COYOTE	17,829	13.12	233,916.48
TIMBER WOLVES	449	29.65	13,312.85
WOLVERINE	58	27.25	1,580.50
	681,705		\$1,938,280.00

CONVICTIONS UNDER THE GAME ACT 1968-69

Number of Convictions	719
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SALE OF FURS

Amount realized from the sale of furs during the period April 1st, 1968 to March 31st, 1969	\$ 950.88
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TRAPLINE REGISTRATIONS

Number of Registered Traplines and Revenue April 1st, 1968 to March 31st, 1969.	2,491	\$24,910.00
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FUR DEALERS' LICENCES, ETC.

APRIL 1st, 1968 to MARCH 31st, 1969

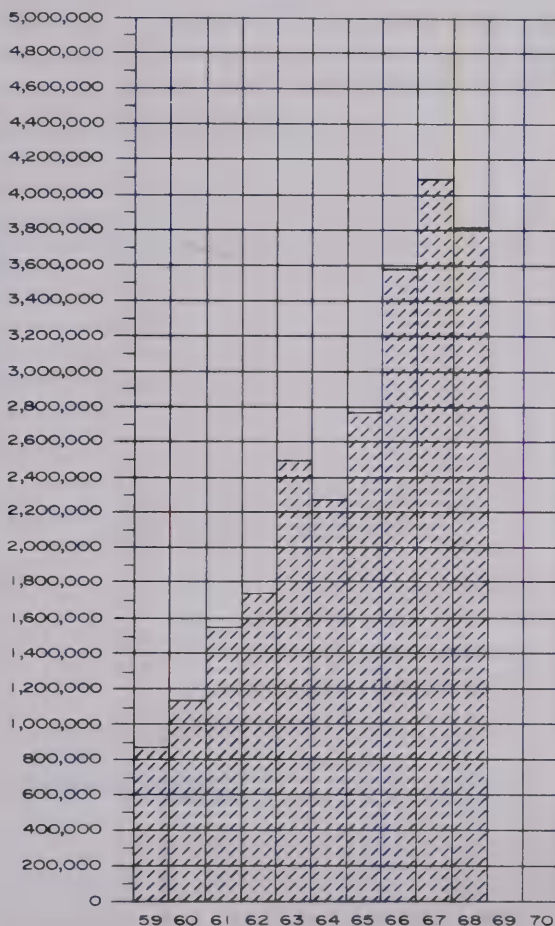
KIND	NUMBER	AMOUNT
Resident Fur Dealers' Licences to carry on business in a city and elsewhere than in a city	127	\$ 1,270.00
Non-Resident Fur Dealers' Licences to carry on business in the Province	1	100.00
Resident Travelling Fur Purchasing Agents' Licences	15	1,500.00
Furriers' Licences	11	110.00
Tanners' Licences	2	20.00

FUR TAX REVENUE

Amount Collected	\$84,364.48
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PROVINCIAL PARKS ANNUAL REPORT – 1968/69

The unseasonable weather which persisted throughout most of the province during the normally peak periods for park attendance by residents and visitors resulted in a decrease in park patronage of approximately 6% for the year. This is only the second time that such a decrease has been recorded in Provincial Parks attendance. The decrease in attendance was mainly by day use visitors as the statistics on parks use by overnight tents, trailers and campers indicates a record number of permits issued.



TOTAL ATTENDANCE FOR ALL PROVINCIAL PARKS

Although no new recreational type parks were established during the year the growing concern for preservation and conservation resulted in the setting aside of three new natural area parks.

1. Foothills – 160 acres
2. Kootenay Plains – 13 square miles
3. Parkland – 159.62 acres

No new historical sites were established in 1968/69. However, by arrangement with the Provincial Museum and Archives Branch, Department of Provincial Secretary, the continuing program of historic site examination and study again provided worthwhile information and artifacts from the province's early history.

Substantial increases in area were added to already established parks at Vermilion, Beauvais Lake, Miquelon Lake and Bragg Creek.

The Provincial Parks this year produced a new type of full color brochure which will be the format for future brochures on other parks within the system. This brochure covered the Cypress Hills Provincial Park and featured a full color three dimensional map of the park outlining its main features and points of interest. The information within this brochure outlined the early and recent history of the park and covered all aspects of the geography, geology, flora and fauna, fossils and relics relative to this park. All illustrations and drawings were completed by Lands and Forests personnel and the brochure has been well received by the public and travel agencies. During this year a condensed guide book on all the provincial parks was produced outlining the facilities and attractions of each of the established parks.

In keeping with parks policy of providing and maintaining adequate facilities the following projects were undertaken in our various provincial parks.

ASPEN BEACH

Extended portable pier
Improvements to staff quarters

BEAUVAIS LAKE

Installation of new water system

BIG HILL SPRINGS

Building of foot bridge

BIG KNIFE

Completion of water distribution system

BOW VALLEY

One camping charge station
Further improvements to the Trans-Canada Campsite

BRAGG CREEK

Installation of water system

CRIMSON LAKE

Further improvements to campground – also water system improvements

CROSS LAKE

One portable pier

CYPRESS HILLS

Street lights on dock and campgrounds
 Improvements to charging station site
 Improvements to air strip
 Completed three miles of dust free road
 Constructed one washhouse
 Construct Phase 1 of Beaver Creek campground

DILLBERRY LAKE

Completed residence renovations and two stall garage
 Portable pier

DINOSAUR

Constructed one concrete bridge, irrigation pumphouse
 Improvements to display buildings

ENTRANCE

Improvements to office

GARNER LAKE

Construction of portable boat pier
 Completion of water system
 Extension of trailer campground

GOOSEBERRY LAKE

Constructed portable boat pier

KINBROOK ISLAND

Extension of breakwater
 Completed Phase I of water system

LAC CARDINAL

Extension of water distribution system

LITTLE BOW

Construction of boat pier

LITTLE FISH LAKE

Construction of one picnic shelter and one portable boat pier

LONG LAKE

Constructed one garage
Extension of water system
Construction of two portable boat piers
Improvements to boat launching facility
Additional improvements to campgrounds

MIQUELON LAKE

Improvements to concession booth
Construction of portable pier
Renovations to staff quarters
Construction of access roads to new picnic and campground areas

MOONSHINE LAKE

Commenced Phase I of the picnic and campground area development

PARK LAKE

Construction of irrigation pumphouse

PEMBINA RIVER

Completed water distribution system
Commenced construction of Phase I of campground and picnic area development

RED LODGE

Completed water distribution system

ROCHON SANDS

Completion of water system
Construction of one office building
Development of boat launching site

SASKATOON ISLAND

Commenced construction of boat launching facility

SIR WINSTON CHURCHILL

Commenced construction and development of Phase I
– Roads, campground and picnic areas.

THE VERMILION

Completion of a workshop
Construction of portable boat pier
Staff quarters renovations
Renovations to washhouse

THUNDER LAKE

Improvements to boat launching facility

WABAMUN LAKE

Completed shop addition
Additional renovations to staff quarters
Construction of boat pier
Constructed new entrance road
Additional improvements to campgrounds

WILLIAMSON

Completed improvements to picnic and campground areas

WILLOW CREEK

Construction of irrigation pumphouse
Completed improvements to steel bridge

WINAGAMI LAKE

Completed boat launching facility
Commenced improvements Phase I of campground development
Construction of new residence and two stall garage

WRITING-ON-STONE

Construction of new residence and two stall garage
Extended power line
Completed water distribution system

WORKSHOP

Constructed 616 picnic tables – large
225 picnic tables – small
50 benches
50 sanitary units
8 lifeguard stands

The following specific work was accomplished in the various areas of responsibility for the planning office in addition to the regular engineering and architectural design of small projects and the program concerned with updating plans on as-built facilities and park development.

Concept Planning Program

Vermilion, Entrance, Brown-Lowry Natural Area,
Chain Lakes Proposed Park and Dinosaur

Master Planning Program

Little Bow, Dinosaur, Bow Valley, Pigeon Lake, Twelve Foot Davis Historical Site, Aspen Beach, Moonshine Lake, Williamson, Wabamun Lake

Detailed Planning Program

Sir Winston Churchill, Pigeon Lake, Miquelon Lake, Pembina River, Wabamun Lake

The following major capital work programs were undertaken on behalf of provincial parks by the Department of Public Works or completed with D.P.W. funds.

Landscaping Completed with D.P.W. Funds

Aspen Beach
Little Bow
Miquelon Lake
Wabamun Lake

Cypress Hills

Water treatment
Paving Main Street (Elkwater)

Jarvis Bay

Phase I – Commenced

Miquelon Lake

Water Exploration

Tillebrook

Phase I – Commenced

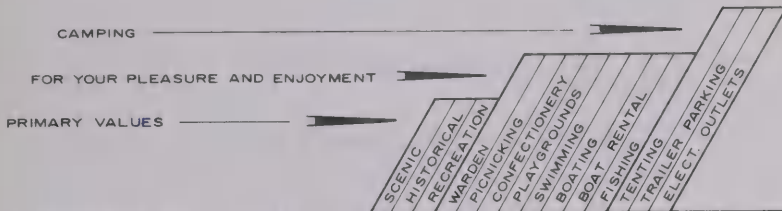
Wabamun Lake

Washhouse

Parks Workshop – Bonaventure

Site clearing and fencing

ALBERTA PARKS FACILITIES CHART



NAME OF PARK	AREA IN ACRES																NEAREST CITY OR TOWN
ASPEN BEACH	232.14			●	W	X		X	X	X	X	X	X	X			LACOMBE
BEAUVAIS LAKE	786.19	●		●	W	X		X	X	X	X	X	X	X			PINCHER CREEK
BIG HILL SPRINGS	62.94	●		●	W	X	■	X						X	X		COCHRANE
BIG KNIFE	731.50			●	W	X	X	X		X	X	X	X	X			FORESTBURG
BOW VALLEY	2309.36	●		●	W	X								X	X		SEEBE
BRAGG CREEK	302.47			●	W	X											CALGARY
CRIMSON LAKE	7872.91			●	W	X	X	■	X	X			X	X	X		ROCKY MTN. HOUSE
CROSS LAKE	4126.05			●	W	X	X	X	X	X	X	X	X	X			FAWCETT
CYPRESS HILLS	49460.00	●	●	●	W	X	X	X	X	X	X	X	X	X	X		MEDICINE HAT
DILLBERRY LAKE	219.83			●	W	X	X	■	X	X		X	X	X			PROVOST
DINOSAUR	22072.40	●	●		W	X		■						X	X		PATRICIA
ENTRANCE	6617.50	●		●	W	X		X	X	X	X	X	X	X			HINTON
GARNER LAKE	146.55			●	W	X	X	X	X	X	X	X	X	X			SPEDDEN
GOOSEBERRY LAKE	128.00			●	W	X	X	X	X	X	X	X	X	X	X		CONSORT
HOMMY	16.43			U	N	D	E	V	E	L	O	P	E	D			BEAVER LODGE
JARVIS BAY	215.89			U	N	D	E	V	E	L	O	P	E	D			SYLVAN LAKE
KINBROOK ISLAND	95.00			●	W	X	X	X	X	X	X	X	X	■			BROOKS
LAC CARDINAL	299.60			●	W	X		X	X	X		X	X				BERWYN
LESSER SLAVE LAKE	17852.26	●		●	W				X	X	X	X	X	■			SLAVE LAKE
LITTLE BOW	272.16			●	W	X	■	X	X	X	X	X	X	X			CHAMPION
LITTLE FISH LAKE	151.21			●	W	X		X	X	X		X	X				DRUMHELLER
LONG LAKE	1726.47			●	W	X	X	X	X	X	X	X	X	X			NEWBROOK
MA-ME-O BEACH	4.00			●	W	X		X	X	X		X					WETASKIWIN
MIQUELON LAKE	883.79			●	W	■	X	X	X	X		X	X				CAMROSE
MOONSHINE LAKE	1933.98			●	W	X	X	X	X	X	X	X	X	X			SPIRIT RIVER
MOOSE LAKE	1719.00			U	N	D	E	V	E	L	O	P	E	D			BONNYVILLE
O'BRIEN	35.10			●	W	X		X				X	X				GRANDE PRAIRIE
PARK LAKE	188.27			●	W	■	X	X	X	X	X	X	X				LETHBRIDGE
PEMBINA RIVER	408.76			●	W	X		X				X	X				ENTWISTLE
PIGEON LAKE	313.00			U	N	D	E	V	E	L	O	P	E	D			WETASKIWIN
RED LODGE	158.97			●	W	X	X	X				X	X				BOWDEN
ROCHON SANDS	158.00			●	W	X		X	X	X	X	X	X	X			ERSKINE
SASKATOON ISLAND	251.34			●	W	X		X	X	X		X	X				GRANDE PRAIRIE
SIR WINSTON CHURCHILL	591.40	●		●	W	X	X	X	X	X	X	X	X				LAC LA BICHE
TABER	127.01			●	W	X	X	X				X	X				TABER
THE VERMILION	1929.33			●	W	X		X	X	X	X	X	X	X			VERMILION
THUNDER LAKE	513.67			●	W	X	X	X	X	X	X	X	X				BARREHEAD
TILLEBROOK	180.96				W							X	X	X			BROOKS
WABAMUN LAKE	692.38			●	W	X	X	X	X	X	X	X	X	X			WABAMUN
WILLIAMSON	44.62			●	W	X	X	X	X	X		X	X				VALLEYVIEW
WILLOW CREEK	75.60			●	W	X		X				X	X				STAVELY
WINAGAMI LAKE	2995.34			●	W	X	X	X	X	X	X	X	X				McLENNAN
WOOLFORD	86.51			●	W	X		X				X	X				WOOLFORD
WRITING-ON-STONE	1058.80	●	●	●	W	X		X				X	X				MILK RIVER

REFERENCE:

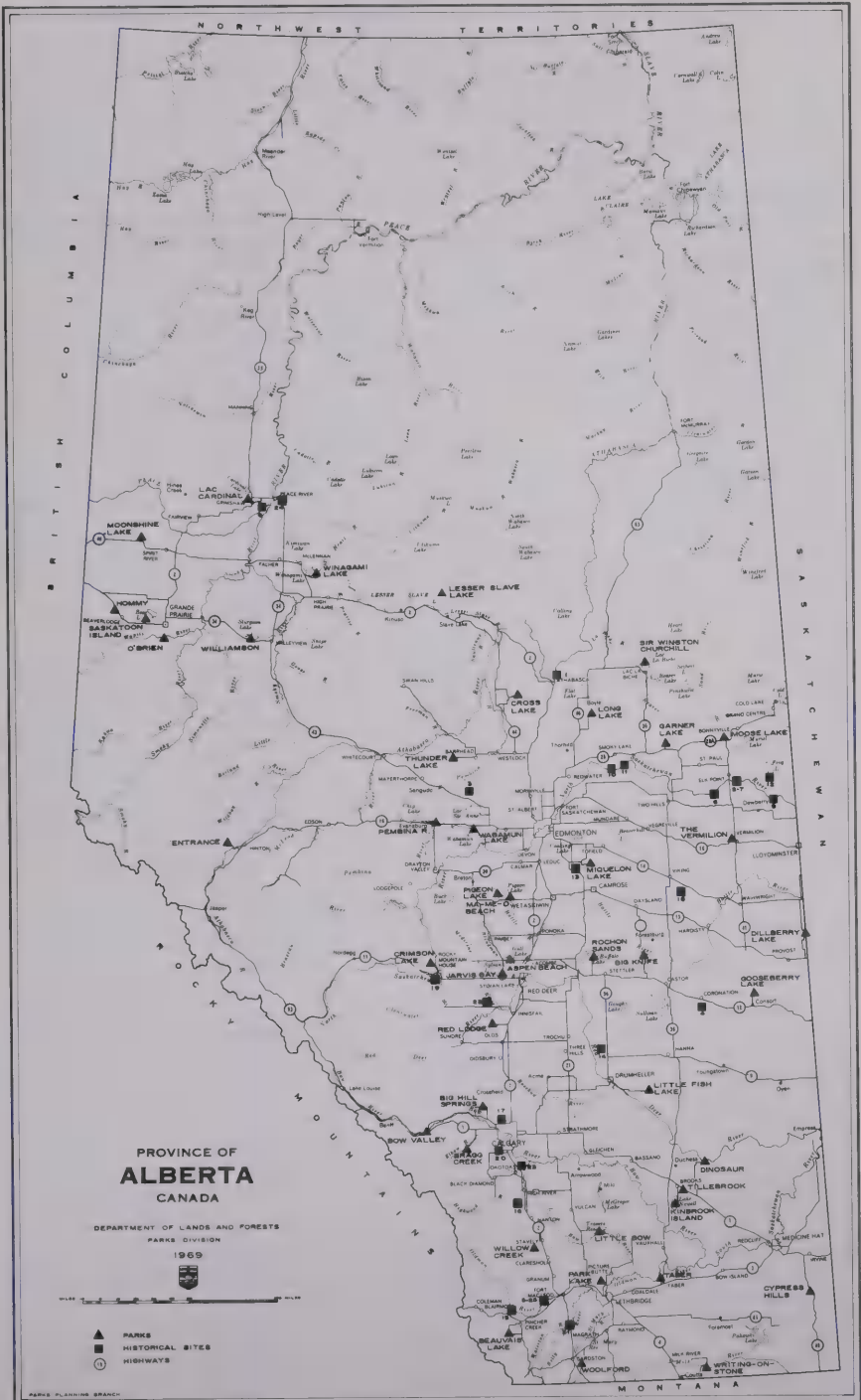
X - FACILITIES PROVIDED

■ - WARDEN

(FEES CHARGED FOR OVERNIGHT CAMPING)

ALBERTA
HISTORICAL SITES

NAME OF SITE	AREA IN ACRES	NEAREST CITY OR TOWN
1 ATHABASCA LANDING	3.02	ATHABASCA
2 BUCKINGHAM HOUSE	5.79	ELK POINT
3 BUGNET PLANTATION	13.00	GUNN
4 CORONATION BDY. MARKER	0.25	CORONATION
5 EARLY MAN SITE	1.00	FT. MACLEOD
5 FORT DE L'ISLE	107.20	MYRNAM
7 FORT GEORGE	1.00	ELK POINT
8 McLEOD FORT	0.66	PEACE RIVER
9 FORT VERMILION	2.00	MARWAYNE
10 FORT VICTORIA	0.80	SMOKY LAKE
11 FORT WHITE EARTH	5.48	SMOKY LAKE
12 FROG LAKE MASSACRE	3.84	ELK POINT
13 HAY LAKES TELEGRAPH STATION	0.89	HAY LAKES
14 INDIAN STONE PILE	3.75	TROCHU
15 MASSACRE BUTTE	1.00	LUNDBRECK
16 OLD WOMEN'S BUFFALO JUMP	8.16	CAYLEY
17 REV. GEORGE McDOUGALL	0.46	CALGARY
18 RIBSTONES	2.00	VIKING
19 ROCKY MOUNTAIN HOUSE FORT	2.75	ROCKY MTN. HOUSE
20 SHAW WOOLEN MILL	0.25	CALGARY
21 STANDOFF	0.89	STANDOFF
22 STEPHANSSON	12.00	MARKERVILLE
23 ST. JOSEPH INDUSTRIAL SCHOOL	0.36	OKOTOKS
24 TWELVE FOOT DAVIS	2.10	PEACE RIVER
25 HEAD-SMASHED-IN BUFFALO JUMP	15.23	FT. MACLEOD



STATEMENT OF REVENUE AND EXPENDITURE IN RESPECT
TO PROVINCIAL PARKS
FOR YEAR ENDING MARCH 31, 1969

Park	Revenue	Income	Expenditure	
				Capital
General Administration	-	179,630.53	-	-
Mobile Equipment	-	95,286.05	-	-
Salaries	-	503,178.26	-	-
General Equipment	-	5,589.46	-	-
Workshop	-	96,057.28	-	-
Warehouse	-	115,684.84	-	-
Electric Supplies	-	15,661.34	-	-
Plumbing Supplies	-	19,163.58	-	-
Municipal Aid	-	16,079.51	-	-
Historical Sites	-	2,152.94	-	-
Contingency Fund	-	24,438.38	-	-
Natural Areas	-	72.83	-	-
Miscellaneous Supplies	-	26,497.10	-	-
Equipment Repair	-	60,946.31	-	-
Aspen Beach	10,836.61	34,378.75	-	1,098.79
Beauvais Lake	1,279.42	21,301.76	-	3,573.01
Big Hill Springs	-	7,085.17	-	398.99
Big Knife	82.36	13,219.43	-	1,121.88
Bow Valley	5,927.36	27,859.99	-	-
Bow Valley Trans Can.	-	12,262.65	-	-
Bragg Creek	-	7,356.26	-	1,714.01
Chain Lakes	-	-	-	-
Crimson Lake	5,427.33	29,729.52	-	-
Cross Lake	50.00	10,078.27	-	-
Cypress Hills	35,596.08	162,143.77	-	14,825.67
Dillberry Lake	1,946.81	11,905.98	-	4,415.81
Dinosaur	1,037.00	25,497.24	-	17,073.80
Entrance	11.00	13,818.30	-	-
Garner Lake	1,944.06	14,226.68	-	-
Gooseberry Lake	186.00	14,423.06	-	-
Gregoire Lake	-	-	-	-
Hasse Lake	-	-	-	-
Jarvis Bay	-	-	-	-
Kinbrook Island	2,379.00	20,968.94	-	16,062.96
Lac Cardinal	1.00	8,915.38	-	-
Lesser Slave Lake	695.32	14,147.97	-	-
Little Bow	2,726.14	19,118.35	-	4,218.28
Little Fish Lake	-	5,465.26	-	47.68
Long Lake	3,486.91	38,785.16	-	4,344.14
Ma-Me-O Beach	-	2,605.44	-	-
Miquelon Lake	5,872.12	29,527.56	-	6,888.18
Moonshine Lake	403.00	13,616.03	-	-
Moose Lake	-	-	-	-
O'Brien	-	7,129.38	-	-
Park Lake	742.80	17,435.05	-	-
Pembina River	1,526.66	12,824.12	-	-
Pigeon Lake	-	-	-	-
Police Outpost Lake	-	-	-	-
Red Lodge	1,913.50	8,880.09	-	2,121.74
Rochon Sands	1,524.00	18,293.27	-	2,366.51
Saskatoon Island	947.00	13,114.18	-	-
Sir Winston Churchill	-	248.50	-	-
Taber	21.00	9,248.86	-	-
Tillebrook	-	15,166.29	-	-
The Vermilion	1,896.83	19,158.03	-	3,322.64

PROVINCIAL PARKS

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Park	Revenue	Income	Expenditure	
				Capital
Thunder Lake	2,516.00	15,162.01		—
Wabamun Lake	6,491.00	38,398.61		5,477.63
Williamson Lake	2,316.00	6,160.78		—
Willow Creek	—	12,836.16		291.97
Winagami Lake	1,603.50	28,303.88		9,901.71
Woolford	—	6,432.97		—
Writing on Stone	300.77	23,119.02		21,319.94
C.L.I. 48016 Rec. Land Capability	—	72,401.10		—
ARDA 38001 Morley Indian Res.	—	40,537.45		—
	101,686.58	2,083,725.08		120,585.34
	LESS ARDA	112,938.55		
	101,686.58	1,970,786.53		120,585.34

TECHNICAL

REPORT OF THE DIRECTOR *T. DRINKWATER*

The number of notifications issued decreased slightly over the previous fiscal year and the acreage patented also showed a decrease over 1967-68.

NOTIFICATIONS ISSUED DURING FISCAL YEAR

April 1st, 1968 to March 31st, 1968

(surface rights only)

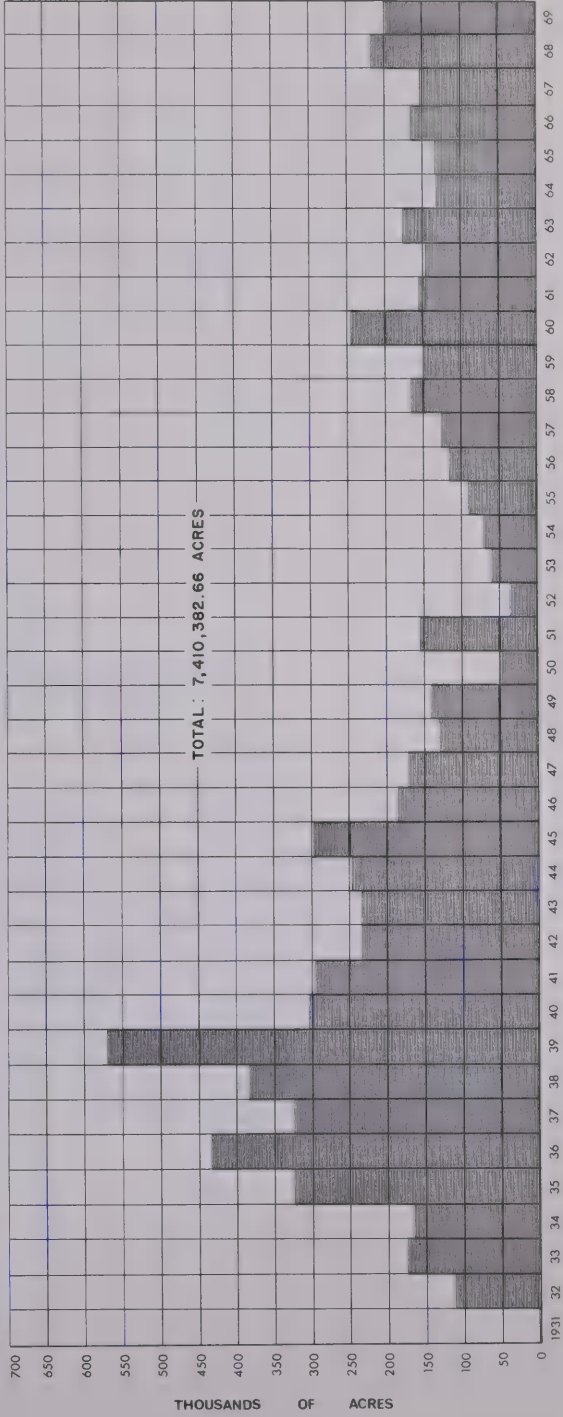
Classification	Notifications	Area
Homesteads	240	59,550.420
Sales	466	60,817.340
Notification to Minister of Lands and Forests	22	91,563.824
Exchange of Land	12	5,617.770
Transfer of Administration & Control	14	789.460
Release of Habendum Clause	2	42.000
Homestead Sales	246	62,479.130
Homestead Lease Loan Sale	27	6,821.130
Supplementary Patent	1	2.060
TOTAL	1,030	287,683.134

The number of plans checked and filed in the division again increased substantially over the previous fiscal year. The main increase was in the number of wellsite, pipeline and subdivision plans filed in the division. A summary of the various plans filed is as follows:

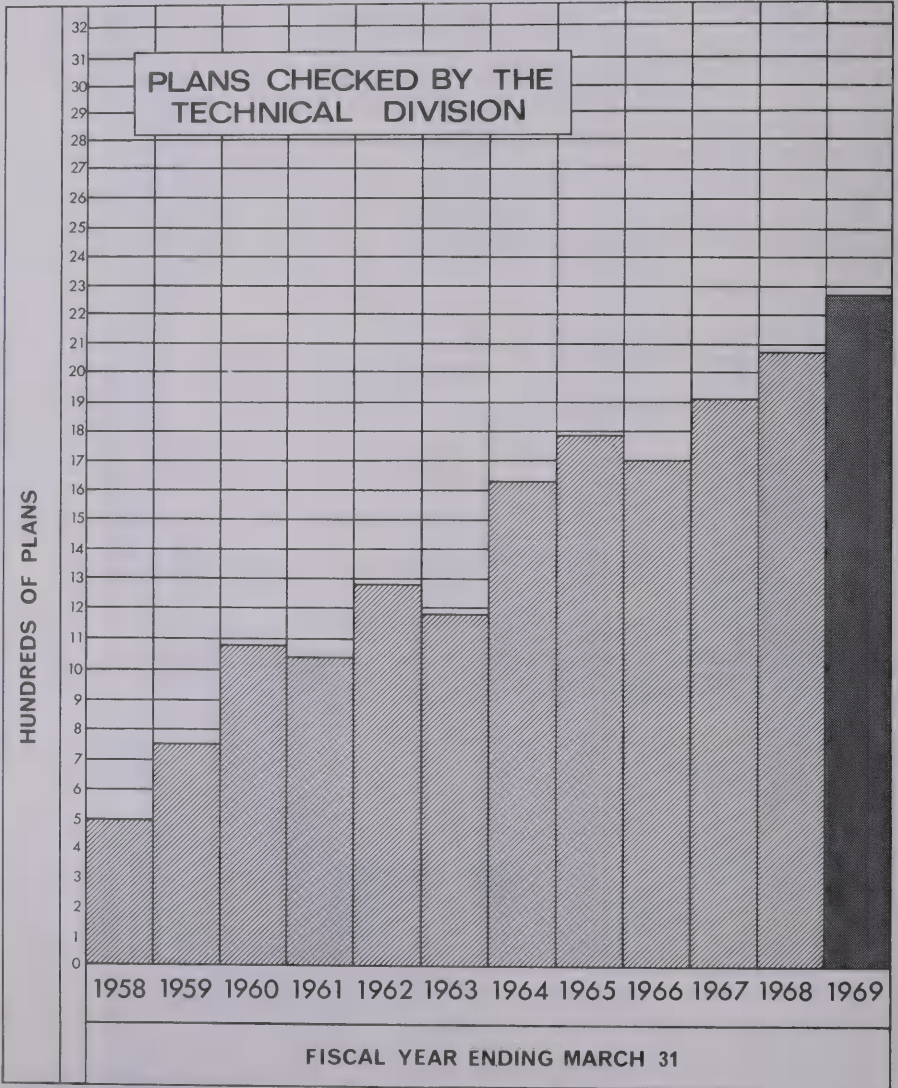
Roads	—	122
Wellsites	—	1,001
Pipelines	—	417
Powerlines	—	149
Access roads	—	389
Subdivisions	—	104
General	—	53
Railways	—	12
Irrigation	—	15
		2,262

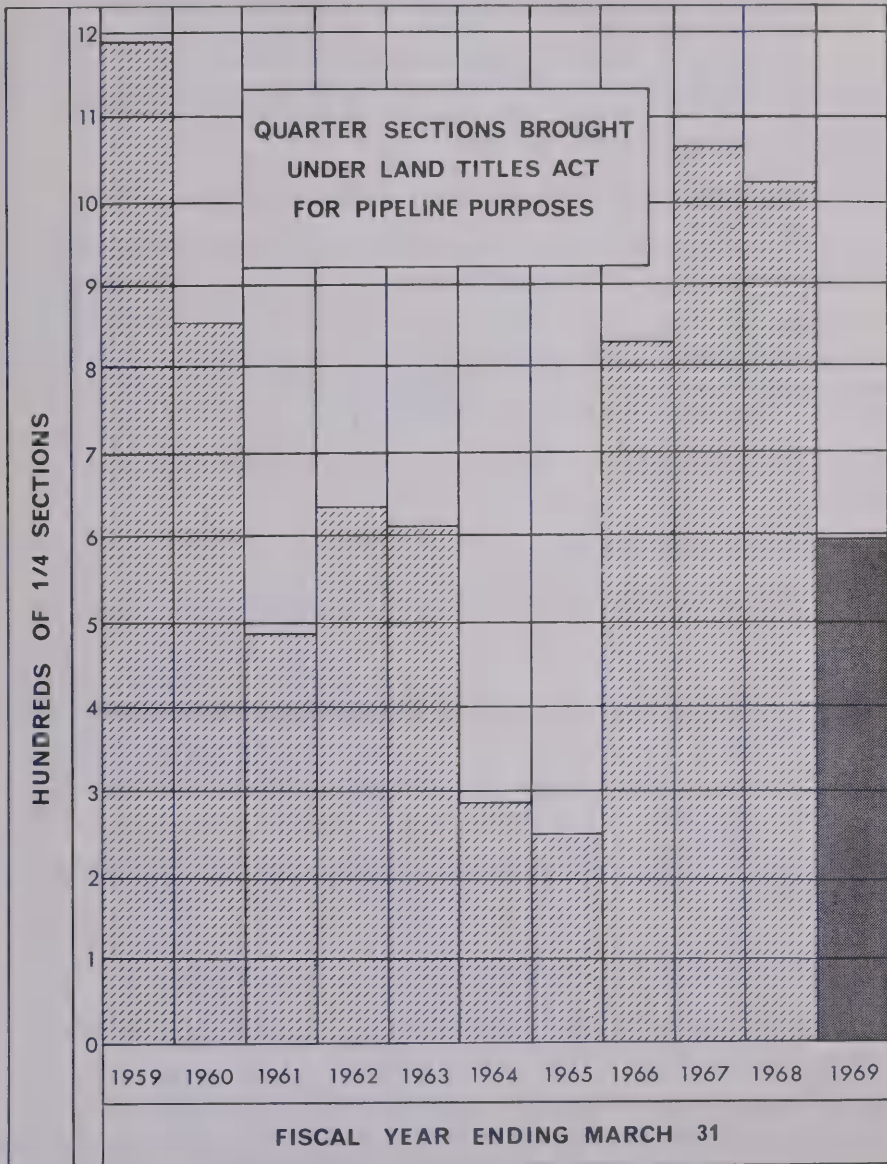
ACREAGE PATENTED

YEAR by YEAR SINCE TRANSFER OF
NATURAL RESOURCES TO THE PROVINCE



FISCAL YEARS ENDING MARCH 31st.





TITLES ACQUIRED IN THE NAME OF THE CROWN:

The division acquired title in the name of the Crown to the following:

36 quarter sections or portions thereof were acquired through exchanges of land.

381 quarter sections or portions thereof were acquired through purchases by the Department of Agriculture under the ARDA Program for inclusion in grazing reserves and community pastures, for agricultural redevelopment, for watershed, wildlife and forestry conservation and for recreational purposes.

Portions of 3 quarter sections were acquired for historical sites.

2 former school sites were acquired through transfer from school districts or counties and 1 forestry site was acquired through purchase.

In addition to the above, title to 595 quarter sections were received here for lands which were brought under the Land Titles Act for this office to facilitate registration of mortgages against easements, pipe line agreements, board orders, etc. by industrial companies and also to facilitate the registration of subdivision plans.

Another 3,000 mineral surface lease plans were microfilmed but have not yet been placed on aperture cards.

LAND SETTLEMENT SURVEYS

There were no public lands surveyed for settlement during the 1968-69 fiscal year.

MISCELLANEOUS SURVEYS

The survey staff was busy during the whole of the year with various surveys outlined briefly as follows:

Capt. Ayre Lake — summer cottage subdivision and access road survey were made in Township 38, Range 5, West 4th Meridian.

Parcel Survey - Old Man River, Lethbridge — the boundaries of the former island were surveyed for possible lease or sale to the City of Lethbridge for park purposes.

Brule Townsite — the survey of the Brule Townsite was completed together with a resurvey of the Canadian National Railway spur line which is used for access.

Surveys were made for provincial park purposes at the Grizzly Bear Telegraph Station and Big Hills Spring Provincial Park north of Cochrane.

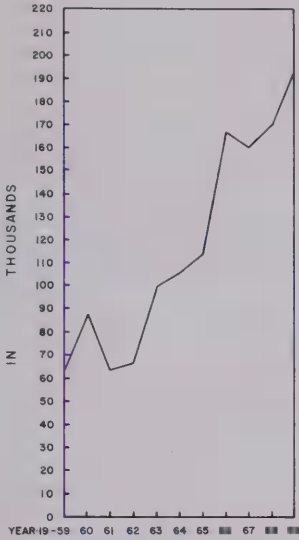
Surveys for the Alberta Forest Service were made in Township 87, Range 26, West 5th Meridian and Township 87, Range 1, West 6th Meridian to protect the forestry road ownership where the balance of the land was being patented.

Several vertical and horizontal control surveys were made to supply control information for stereo plotting mapping.

PRINTS AND PLATES SUPPLIED FROM THE TECHNICAL DIVISION FOR THE FISCAL YEARS ENDING MARCH 31

CONTACT PRINTS

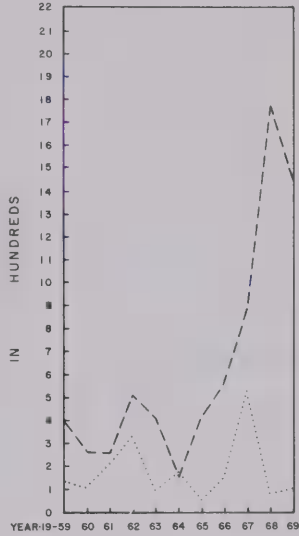
10" x 10"



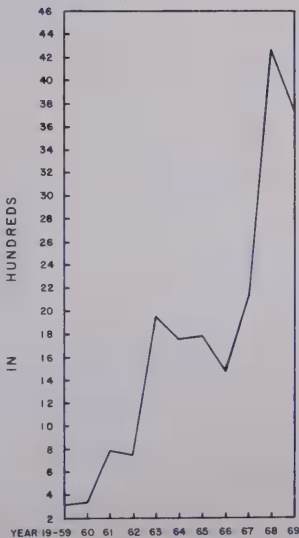
3,769 INDIVIDUAL ORDERS FOR 68/69 FISCAL YEAR

DIAPOSITIVES PLATES

9 1/2" x 9 1/2" ---
54mm ■ 54mm ·····



ENLARGEMENT PRINTS



501 INDIVIDUAL ORDERS FOR 68/69 FISCAL YEAR

MOSAIC PRINTS



AERIAL PHOTOGRAPHY

	1967-68	1968-69
Contact prints printed in lab.	170,227	193,478
Rectified prints	4,229	1,675
Enlargements	4,283	3,705
Kelsh diapositives	1,775	1,518
Multiplex diapositives	87	111
K 20 films processed	17	16
9½" x 9½" films processed	28	24

NEW PHOTOGRAPHY

Contracts for approximately 34,000 square miles of new photography were undertaken by Range Aerial Surveys, Calgary. The contracts were not completed due primarily to adverse weather conditions in the late summer and fall and carry over of a portion of the contract will be required next year.

TOPOGRAPHIC MAPPING

48 individual contour plans were completed on the stereo plotting equipment during the year and a backlog of 60 plans is on hand at the present time.

A large number of mosaic projects from special photography were also completed for various government departments.

CARTOGRAPHIC UNITS

Most of the resources of the unit were engaged in the Atlas of Alberta, however, several other projects were completed with existing staff including the new 16 mile map of the province which was printed with an initial run of 5,000 copies. The Clearwater, Bow River and Crowsnest Forest Reserve maps were reprinted. The settlement area map was redrawn on a new base, revised and updated and 2 reprints were required during the year.

Several projects were completed for the Publicity Branch including the moose hunting regulations, big game regulations, angling regulations, cloven hooved mammals and others.

MAP AND AERIAL PHOTOGRAPH SALES

During the fiscal year sale of aerial photographs, enlargements, etc. amounted to \$31,198.76 and the sale of maps amounted to \$33,536.68.

REGISTRATION

REPORT OF THE REGISTRAR
H.E. BENNETT

	Yearly Total	Daily Average	Increase (+) or Decrease (-) from Previous Year	Minimum and Maximum Range Per Day
1. Mail Cage				
Incoming mail (pieces)	174,897	700	+ 0.9	80 - 1,533
Outgoing mail (pieces)	305,511	1,222	- 1.9	111 - 7,093
Total (pieces)	480,408	1,922	- 0.6	191 - 8,626
Incoming Registered (pieces)	3,364	13	+ 4.4	4 - 76
Outgoing Registered (pieces)	3,446	14	- 25.2	1 - 119
Total (pieces)	6,810	27	- 13	5 - 195
Cash Blotter Entries	37,009	148	- 3.7	11 - 548
Interim receipts issued	3,494	14	+ 9	4 - 30
Total	40,503	162	- 2.8	15 - 578
Cash Received (mail)	\$10,922,154.77	\$43,688.62	+ 7.7	\$5,042.32-294,819.72
Cash Received (counter)	\$ 988,983.49	\$ 3,995.93	+ 6.5	\$ 176.00- 39,952.54
Total	\$11,921,138.26	\$47,684.55	+ 7.6	\$5,218.32-334,772.26
2. Filing				
Files (live, storage, microfilm)				
(Grand Total)	556,244			
Telephone requests	34,839	139	0	72 - 214
Marking & Attachments	230,962	924	+ 18.6	376 - 1,929
Deferred & Special Searches	3,660	15	- 7.1	5 - 29
Deferred & Special Search Files	4,999	20	- 12.4	5 - 55
3. Filing Records				
*Files opened	16,734	27	+ 216.2	
Files closed	7,302	29	- 2.2	
*Kardex Entries	50,799	163	+ 35.1	
*Files Processed	119,815	480	+ 8.7	
*Approx. 10,000 Fish & Wildlife files now in filing system.				
4. Microfilming				
Rolls Film exposed	286		+ 42.3	
Rolls Film Checked	286		+ 42.3	
5. Records				
Files Received	49,137	197	- 11.1	77 - 544
Land Searches (internal) Pages	21,393	85	0	32 - 297
Land Searches (commercial) Pages	2,150	9	0	1 - 23
Register Pages Transcribed	1,240	5	- 29.2	
Basic Entries	21,411	86	+ 19.7	
Assignments Registered	589			
6. Surface Rights Plotting				
Total Plots Opened	3,170			
Files received in Distribution	8,974	36	- 10	1 - 115
Special Use Applications	2,734			

ACCOUNTS**REPORT OF THE ADMINISTRATIVE ACCOUNTANT***A. McCALLUM*

The following statements summarize the results of operations for the year under review.

Gross Receipts from all sources amounted to	\$12,385,716.33
Total Disbursements	20,895,011.62
Net Receipts from all sources	10,919,515.55
Excess of Disbursements over Receipts	9,975,496.07

REVENUE

Net receipts from all sources amounted to \$10,919,515.55, an increase of \$291,697.70 from the previous year.

Total amount of money refunded during the year amounted to \$1,466,200.78. There was a further amount of \$238,500.15 refunded in respect of revenue received in the previous year. Refunds to the taxing authority as provided by The Grazing Lease Taxation Act, The Crown Cultivation Leases Act and The Tax Recovery Act totalled \$768,513.08.

Money held in trust as at March 31, 1969 amounted to \$558,141.04, a breakdown of which is as follows:

Miscellaneous	\$ 173,536.12
Homestead Compensation Trust	17,514.56
Timber Deposits Trust	364,840.36
Timber Forfeited Money & Reforestation Trust	2,250.00

Active Accounts Receivable as at March 31, 1969 stood at 34,792 together with Fish and Game Vendors' Accounts totalling approximately 1,348.

Official receipts and permits issued for the year totalled 65,025 from total cash entries of 69,234.

The following figures indicate the number of Fishing Licences and Game Licences sold for the years 1967 and 1968:

	1967	1968
Fishing Licences	\$136,693	\$140,874
Game Certificates	124,028	119,978
Game Stamps	215,428	232,476

Under the various agreements entered into between Canada and the Province, revenues were received as follows:

	Income	Capital
ARDA Agreement	\$262,697.68	\$524,661.63
Educational Training	43,980.00	
Air Weapons Range Primrose Lake	53,049.98	
Trans Canada Hwy. Campgrounds and Picnic Areas Program	21,022.33	2,805.33
Indian Reserve Fire Protection	9,450.20	

EXPENDITURE

Expenditure in Income Account for the year under review totalled \$19,865,599.52, which includes Special Warrants amounting to \$5,350,000.00.

Expenditure under Capital Account for the year ended March 31, 1969 totalled \$1,029,412.10.

Firefighting costs for the year were \$5,472,305.52.

In connection with the destruction of pests an amount of \$3,421.90 was disbursed.

Funds disbursed in respect of the developing and maintaining of provincial parks in the province amounted to \$1,970,786.53. There was a further sum of \$120,585.34 disbursed from Capital Account.

Under the Homestead Lease Loan Act, funds totalling \$298,027.88 were disbursed during the year. This amount made the total disbursements under this Act \$2,192,612.04.

Maintenance costs of the Eastern Rockies Forest Conservation Board, including expenses of the board totalled \$92,363.97.

Aircraft patrol and maintenance operations for the year totalled \$498,104.29.

During the year under review an amount of \$27,396.00 was disbursed in respect of aerial photography.

As the department continues to expand, the personnel earnings records for both salary and wage employees continued to show an increase and for the year under review stood at:

Salaries — 1,402

Wages — 1,986 (does not include firefighting wages)

For details of expenditure from Income Account see Statements "E" and "F".

STATIONERY AND SUPPLIES

	1967-68	1968-69
Express parcels	1,003	553
Mail (registered and parcels)	3,832	12,695
Pamphlets	3,577	890
Parcels by bus	400	184
Magazines (3) issues	36,827	53,679
Letters	9,824	9,823
Parcels by Messenger	702	544
Truck	—	32
PWA	—	1

REGULATIONS AND TAGS PROCESSED

Bird and Big Game Regulations	225,000	225,000
Big Game Tags	149,200	222,692
Angling Regulations	199,000	200,000

STATIONERY REQUISITIONS BY BRANCHES

GENERAL ADMINISTRATION

Accounts	136	199
Personnel	60	51
Deputy Minister	92	43
Education and Information	—	90

ACCOUNTS

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	1967-68	1968-69
LANDS	561	489
REGISTRATION	75	69
FISH AND WILDLIFE	552	559
TECHNICAL	78	55
PARKS	235	277
Forest Administration	119	88
Forest Protection (Head Office)	284	211
Forest Protection (Divisions)	337	318
Forest Management	56	68
Forest Surveys	111	69
General Public	59	78
Radio Branch	57	23
Forest Technology School	—	55
TOTAL:	2,782	2,742
PRINTING VOLUME	1967-68	1968-69
Transmitted to Queen's Printer:		
Regulations	228,200	39,150
Books and brochures	98,272	36,916
Forms, Licences & general printing	3,864,580	4,689,137
Magazines	38,600	57,000
Envelopes	488,000	637,800
Dept. Letterheads printed	400,000	280,000
Processed by this office:		
Xerox masters processed (Bruning)	629	206
Masters typed	1,753	529

	1967-68	1968-69
Sheets run off	2,198,295	2,693,576
PURCHASE ORDERS INITIATED		
Direct Purchase Orders	490	431
Interdept. Comitments	452	587
Purchasing Agency Requisitions	8	3
MISCELLANEOUS SERVICES		
Newspaper advertisements initiated	242	139
Telephone requests initiated	92	172
Processing addressograph	2,137	8,047

STATEMENT "A"

STATEMENT OF RECEIPTS FROM ALL SOURCES

FROM APRIL 1, 1968 TO MARCH 31, 1969

	GROSS RECEIPTS	REFUNDS	NET RECEIPTS
Income Account	\$9,443,180.67	\$1,024,390.68	\$8,418,789.99
Capital Account	1,645,222.34	27,108.18	1,618,114.16
Reimbursement of Previous Year's Expenditure	19,106.99	—	19,106.99
Homestead Compensation Trust	4,412.74	818.70	3,594.04
Homestead Lease Loan Trust	108,657.83	8,967.82	99,690.01
Timber Deposits Trust	236,545.63	20,264.00	216,281.63
Miscellaneous Trust	178,493.55	86,910.71	91,582.84
Unapplied Receipts Carried Forward			
Improvements	85,427.61	48,910.30	36,517.31
Suspense	349,668.97	248,830.39	100,838.58
Public Lands Grazing Permits and Reserve Permits	45,000.00	—	45,000.00
Homestead Lease Crop Share	20,000.00	—	20,000.00
Public Lands Grazing Lease Rentals	250,000.00	—	250,000.00
	\$12,385,716.33	\$1,466,200.78	\$10,919,515.55

STATEMENT "B"

STATEMENT OF RECEIPTS – INCOME ACCOUNT
FROM APRIL 1, 1968 TO MARCH 31, 1969

	GROSS RECEIPTS	REFUNDS	NET RECEIPTS
FISHERIES ACCOUNTS			
Fisheries Licences	\$ 434,999.40	\$ 1,016.50	\$ 433,982.90
Fisheries Miscellaneous	1,700.68	–	1,700.68
Fisheries Royalty	13,764.97	66.68	13,698.29
	450,465.05	1,083.18	449,381.87
GAME ACCOUNTS			
Game Licences	1,408,723.20	244,707.79	1,164,015.41
Fur Tax	91,330.83	1,066.53	90,264.30
Game Branch Miscellaneous	3,920.67	7.94	3,912.73
	1,503,974.70	245,782.26	1,258,192.44
LANDS AND GRAZING			
Grazing Leases and Permits	1,236,572.77	551,149.98	685,422.79
Hay Permits	9,706.05	2,411.30	7,294.75
Homestead Leases and Crop Share	238,817.71	68,251.60	170,566.11
Provincial Land Sales Interest	140,321.43	165.76	140,155.67
Cultivation Leases and Permits	168,534.99	2,065.78	166,469.21
Right-of-Entry	697,428.79	14,708.07	682,720.72
Miscellaneous Leases	169,441.81	8,999.01	160,442.80
Public Lands Sundry Revenue	234,620.81	14,253.95	220,366.86
Sand and Gravel Leases, Permits	182,538.23	21,571.45	160,966.78
Land Patent Miscellaneous	711.82	–	711.82
	3,078,694.41	683,576.90	2,395,117.51
TIMBER ACCOUNTS			
	3,337,963.03	74,087.73	3,263,875.30
EAST SLOPE SURFACE RIGHTS			
	353,638.88	344.48	353,294.40
PARKS PERMITS, FEES, RENTALS			
	102,169.86	483.28	101,686.58
MISCELLANEOUS			
Administration Sundry Revenue	178,727.65	5,867.04	172,860.61
Maps and Plans	33,892.46	355.78	33,536.68
Aircraft Landing Fees	9,503.06	–	9,503.06
Sale of Aerial Photographic Survey Maps	42,204.96	11,006.20	31,198.76
Reimbursement re: Forest Technology			
School	33,328.80	76.00	33,252.80
Sale of Automobiles	360.00	–	360.00
Sale of Materials and Supplies	37.59	–	37.59
Dominion-Provincial Agreement re: Air			
Weapons Range Primrose Lake	53,049.98	–	53,049.98
Reimbursement of Salaries and Expenses	50.97	–	50.97
Services and Supplies to Staff	94,181.89	110.00	94,071.89
Rentals (House)	95,199.18	1,617.83	93,581.35
Reimburse Department of Education			
re: Training Program	43,980.00	–	43,980.00
Trans Canada Hwy. & Picnic Area			
Program	21,022.33	–	21,022.33
Indian Reserve Fire Protection Agreement	9,450.20	–	9,450.20
Vocational Training, Forest Technology			
School	1,285.67	–	1,285.67
	616,274.74	19,032.85	597,241.89
GRAND TOTALS:	9,443,180.67	1,024,390.68	8,418,789.99

STATEMENT "C"

STATEMENT OF RECEIPTS – CAPITAL ACCOUNT

FROM APRIL 1, 1968 TO MARCH 31, 1969

	GROSS RECEIPTS	REFUNDS	NET RECEIPTS
Clearing and Breaking Projects	\$ 7,405.02	\$ 15.79	\$ 7,389.23
Public Land Sales Principal	1,047,102.54	9,064.19	1,038,038.35
Homestead Sales Principal	584,585.09	18,028.20	566,556.89
Land Utilization Advances	3,324.36	--	3,324.36
Dominion-Provincial Agreement re: Forestry	--	--	--
Trans Canada Highways Campgrounds and Picnic Areas Program	2,805.33	--	2,805.33
	\$1,645,222.34	\$ 27,108.18	\$1,618,114.16

STATEMENT "D"

STATEMENT OF RECEIPTS BY BRANCHES
FROM APRIL 1, 1968 TO MARCH 31, 1969.

FISCAL YEAR ENDING:

INCOME ACCOUNT	MARCH 31/66	MARCH 31/67	MARCH 31/68	MARCH 31/69
Fisheries Branch	\$ 261,793.37	\$ 280,781.78	\$ 288,121.12	\$ 449,381.87
Game Branch	773,527.78	810,352.65	1,127,948.25	1,258,192.44
Lands and Grazing	1,894,924.48	2,104,548.98	2,320,860.82	2,395,117.51
Timber Branch	2,748,317.47	3,215,331.60	3,169,933.46	3,263,875.30
East Slope Surface Rights	428,517.11	316,443.89	337,647.61	353,294.40
Miscellaneous	1,277,057.30	1,326,888.77	502,901.48	595,956.22
Provincial Parks	57,920.20	62,404.39	69,571.68	101,686.58
ARDA Claims Processed Through Department of Agriculture	71,597.93	105,972.02	187,797.63	262,697.68
Claims re: Technical and Vocational Training Agreement deposited by Department of Agriculture	—	90,847.85	—	—
CAPITAL ACCOUNT				
Land Sales Principal	852,960.16	993,640.94	957,826.60	1,038,038.35
Homestead Sales Principal	328,904.58	543,868.40	647,873.28	566,556.89
Clearing and Breaking Project	34,085.43	24,479.64	16,060.31	7,389.23
Reimbursement by Dominion Government re: Forest Agreement	210,123.98	177,108.02	—	—
Land Utilization Advances	1,877.94	7,074.45	3,049.42	3,324.36
Dominion Government Grant re: Wabasca Airport	—	—	46,459.81	—
Dominion Government Grant re: Footner Lake Airport	—	—	117,114.95	—
Trans Canada Hwys Campgrounds and Picnic Areas Program	—	—	—	2,805.33
ARDA Claims Processed Through Department of Agriculture	—	—	74,091.21	524,661.63
Dominion Government Grant re: Ft. Chipewyan Airport	—	100,000.00	—	—
Transfer of Land to Dept. of Public Works for Village of Slave Lake	2,674.50	—	—	—
Transferred to Other Depart- ments (PYR)	8,583.50	6,778.14	22,530.11	19,106.99
Timber Deposits Trust	44,362.00	51,290.00	51,591.10	216,281.63
Homestead Compensation Trust	3,698.29	1,502.08	4,235.55	3,594.04
Homestead Lease Loan Trust	143,093.91	141,835.26	140,002.42	99,690.01
Miscellaneous Trust	30,307.75	104,431.59	68,495.97	91,582.84
Unapplied Receipts carried forward	346,735.65	436,536.70	473,705.07	452,355.89
	\$9,521,063.33	\$10,902,117.15	\$10,627,817.85	\$11,705,589.19

STATEMENT "D"

CH 3168 MARCH 31/69

9. \$ 449,381.87

1,258,192.44

2,395,117.51

3,263,875.30

353,294.40

595,956.22

101,686.58

262,697.68

1,038,038.55

566,556.89

7,389.23

6,060.77

3,324.36

6,459.81

1,114.9

2,805.33

524,661.63

19,106.99

216,281.63

3,594.04

99,690.01

91,582.84

452,355.89

\$11,705,589.19

GOVERNMENT OF THE PROVINCE OF ALBERTA
LANDS AND FORESTS DEPARTMENT
EXPENDITURE CLASSIFIED BY APPROPRIATIONS AND CHARACTER
FOR THE YEAR ENDED MARCH 31, 1969
INCOME ACCOUNT

Service	1801 Minister's Office	1802 Administration	1803 Advisory Board and Committees	1804 Technical Division	1805 Registration Division	1815 Alberta Forest Service - Forest Administration	1816 Alberta Forest Service - Forest Management Branch	1817 Reforestation	1819 Eastern Rockies Forest Conservation Board	1821 Alberta Forest Service - Forest Protection Branch	1823 Forests and Prairie Suppression	1824 Alberta Forest Service - Forest Surveys Branch	1825 Alberta Forest Service - Aircraft Operations	1826 Alberta Forest Service - Radio Branch	1828 Alberta Forest Training School	1829 Junior Forest Rangers	1835 Fish and Wildlife Division	1836 Wildlife Damage Control	1845 Lands Division	1846 Provincial Parks	
Advertising																					
Automobiles, trucks and mobile equipment, purchase																					
Automobiles, trucks and mobile equipment, expenses																					
Buildings and sites																					
Contracts and agreements																					
Freight, express and carriage																					
Furnishings, equipment and tools																					
Grants, prizes																					
Insurance																					
Interest on business animals, poultry, insects and fish																					
Maintenance in homes and schools																					
Materials and supplies, administrative																					
Materials and supplies, construction																					
Miscellaneous expenses																					
Rentals																					
Repair and maintenance of furnishings, equipment and tools																					
Repair and maintenance of office machines																					
Salaries																					
Taxes																					
Telephone and telegraph																					
Travelling expenses of other than public servants																					
Travelling expenses of public servants, other than public servants																					
Tuition																					
Unemployment insurance																					
Utilities																					
Wages																					
TOTAL - Income Account	\$20,208.72	\$583,214.28	\$827.30	\$519,932.75	\$180,949.47	\$3,096,168.67	\$791,844.37	\$170,094.75	\$92,363.97	\$2,475,421.86	\$5,472,305.52	\$524,282.76	\$998,104.29	\$502,869.42	\$208,283.31	\$407,717.06	\$1,578,127.99	\$3,421.90	\$11,956,674.60	\$1,970,786.53	

Service	1881 Photography and Film	1882 Construction	1883 Capital Land Purchase	1885 Lands and Development	1886 Parks Development	Totals
Advertising						
Automobiles, trucks and mobile equipment, expenses						
Buildings and sites						
Contracts and agreements						
Freight, express and carriage						
Furnishings, equipment and tools						
Land						
Materials and supplies, administrative						
Materials and supplies, construction						
Rentals						
Taxes						
Travelling expenses of public servants						
Utilities						
Wages						
TOTAL: Capital Account	\$27,396.00	\$778,533.11	\$65,000.44	\$37,897.21	\$120,585.34	\$1,029,412.10

STATEMENT "F"

STATEMENT OF DISBURSEMENTS BY BRANCHES

FROM APRIL 1, 1964 TO MARCH 31, 1969

FISCAL YEAR ENDING:

	March 31/65	March 31/66	March 31/67	March 31/68	March 31/69
INCOME:					
1801 Minister's Office	\$ 21,988.80	\$ 23,526.74	\$ 20,551.14	\$ 25,386.66	\$ 20,208.72
1802 General Administration	341,304.03	366,506.18	389,716.44	452,076.04	583,214.28
1803 Advisory Board & Committees	997.89	381.15	511.28	819.47	827.30
1804 Technical Division	382,207.58	515,723.68	573,258.13	526,243.94	519,932.75
1805 Registration Division	127,835.67	143,785.99	155,169.05	179,985.47	180,949.47
1815 Alberta Forest Service - Forest Administration Branch	2,035,512.18	2,245,552.52	2,377,315.12	2,797,285.72	3,036,168.67
1816 Alberta Forest Service - Forest Management Branch	464,720.89	578,054.92	736,811.95	795,613.56	791,844.37
1817 Quota Reforestation	-	-	-	287,915.69	170,094.75
1819 Eastern Rockies Forest Conservation Board	62,950.51	67,580.59	71,795.55	80,382.27	92,363.97
1821 Alberta Forest Service - Forest Protection Branch	2,683,009.13	2,696,613.89	2,833,724.13	2,394,111.41	2,475,421.86
1823 Forest & Prairie Fires Suppression	459,039.24	602,903.79	1,548,034.82	2,382,731.84	5,472,305.52
1824 Alberta Forest Service - Forest Surveys Branch	308,254.54	348,828.43	356,171.85	470,068.35	524,282.76
1825 Alberta Forest Service - Aircraft Operations	592,675.44	693,088.14	661,689.90	618,903.30	498,104.29
1826 Alberta Forest Service - Radio Branch	409,347.74	456,940.52	453,788.63	511,565.13	502,869.42
1828 Alberta Forest Service - Forestry Training School	88,685.66	142,937.28	237,956.77	226,504.17	208,283.31
1829 Junior Forest Rangers	-	25,355.07	33,352.77	43,372.12	40,717.06
1835 Fish and Wildlife Division	1,007,949.27	1,092,200.21	1,307,432.49	1,541,022.76	1,578,127.99
1836 Destruction of Pests	8,561.04	25,518.86	22,620.34	15,903.31	3,421.90
1845 Lands Division	889,640.07	861,861.57	943,694.37	1,096,494.73	1,195,674.60
1846 Provincial Parks	1,040,159.73	1,287,838.52	1,749,392.82	1,987,251.91	1,970,786.53
1847 Rural Recreational Grants	67,952.20	22,521.32	89,726.50	51,969.07	-
	\$10,992,791.61	\$12,197,719.37	\$14,562,714.05	\$16,485,606.92	\$19,865,599.52
CAPITAL:					
1881 Aerial Photography & Forest Inventory	16,849.10	18,984.40	13,324.57	40,645.04	27,396.00
1882 Forestry Dominion-Provincial Access Roads	683,047.85	652,268.82	653,725.25	944,180.65	778,533.11
1883 Agreement and SW 47,55/61-62	1,033.46	196,638.15	141,803.59	37,238.12	65,000.44
1885 Land Purchase	-	-	-	119,424.27	37,897.21
1886 Lands & Grazing Development	-	-	-	261,846.57	120,585.34
Parks Development	700,930.41	867,891.37	808,853.41	1,403,334.65	1,029,412.10

During the fiscal year the Division continued to lay out for the continuation of the program.

A major part of the program was the Hunter Training program and the minimum age for the division, on appreciation topics.

Publications prepared

Cypress Hills

"What to Do"

Sir Winston Churchill

Cloven-hoofed

Care and Handling

Summary of

Summary of

Research Report

Management

Survey Report

Hunter Training

Alberta, Land

Hints for Guides

Recreational

Bertie Beaver

Posters (designs)

Crests (designs)

Certificates (designs)

Signs, Graphs

Other E. &

news releases, pamphlets, personnel, and the

black and white photographs of the Hunter Training publications. All these are easy viewing and

E. & I. Division at the Red Deer Fish Association Annual

EDUCATION AND INFORMATION

REPORT OF THE PUBLICITY OFFICER

W.A. WEST

During the period under review, activity in the Education and Information Division continued at a brisk pace, with numerous projects being completed and plans laid for the continued improvement of our overall communications program.

A major personnel change during the year saw Mr. C. (Red) Hasay replace Mr. P. Presidente as the Hunter Training-Conservation Officer. Under Mr. Hasay, the concept of Hunter Training was broadened and renamed the Hunter Training-Conservation Program, and the minimum age limit lowered from 14 to 12 years. Also, a new manual was produced by the division, comprising a basic hunter training course and other related outdoor appreciation topics.

Publications produced during the period were as follows:

- Cypress Hills Provincial Park (folder)
- "What to Do" Cypress Hills Provincial Park (pamphlet)
- Sir Winston Churchill Provincial Park (pamphlet)
- Cloven-hoofed Animals (folder)
- Care and Handling of Your Big Game Kill (pamphlet)
- Summary of Game Regulations (folder)
- Summary of Angling Regulations (folder)
- Research Reports
- Management Reports
- Survey Reports
- Hunter Training-Conservation Manual (book)
- Alberta, Lands-Forests-Parks-Wildlife (magazine)
- Hints for Guides (booklet)
- Recreational Net Fishing (pamphlet)
- Bertie Beaver Envelope (designed corner card)
- Posters (designed six different)
- Crests (designed three different)
- Certificates (designed four different)
- Signs, Graphs, Sketches, Layouts (various)

Other E. & I. functions performed were the production and dissemination of 21 news releases, participation in a number of radio and television programs by division personnel, and the handling of enquiries by telephone and letter. A number of color and black and white photographs were taken by division personnel for use in the magazine, the Hunter Training-Conservation visual aid kit, and for future use in departmental publications. All transparencies in division files were stored in plastic sleeve books for easy viewing and selection.

E. & I. Division personnel were involved in the production and manning of displays at the Red Deer Fish and Game Association Sportsmen's Show, the Alberta Fish and Game Association Annual Convention, and the department's annual Career Days presentation.

HUNTER TRAINING

STUDENT COURSES

1st April 1968 – 31st March, 1969

LOCATION	TOTAL # COURSES	SUCCESSFUL STUDENTS	UNSUC. STUDENTS
Ashmont	2	44	—
Barrhead	1	20	—
Bentley	1	43	1
Berwyn	1	8	1
Bodo	1	12	6
Brooks	1	5	—
Calgary	3	40	10
Camrose	1	16	—
Champion	1	11	—
Claresholm	1	19	—
Coaldale	1	21	5
Cold Lake (Medley)	1	28	4
Coutts	1	4	6
Dickson	1	29	—
Edmonton & Stony Plain	25	488	95
Fairview	1	16	—
Ferintosh	1	29	5
Fort Assiniboine	1	19	1
Fort Saskatchewan	3	15	19
Grande Prairie	1	28	—
High River	2	80	6
Innisfail	1	34	—
Jasper	1	17	—
Kenyon Field	1	18	3
Kinuso	1	5	2
La Glace	1	18	—
Lethbridge	1	13	2
Mareville Sq., Red Deer	1	4	4
Namao	1	5	3
Penhold	1	8	1
Ponoka	1	25	—
Raymond	1	37	4
Red Deer	4	39	5
Rocky Mountain House	3	15	3
Sherwood Park	2	13	55
St. Albert	1	11	2
Stauffer	1	20	2
Stavely	1	5	2
Sundre	1	16	—
Swan Hills	1	26	—
Sylvan Lake	2	11	4
Tabor	1	13	6
Therien	1	14	—
Thorsby	1	25	—
Tofield	1	7	—

LOCATION	TOTAL # COURSES	SUCCESSFUL STUDENTS	UNSUC. STUDENTS
Vegreville	1	2	6
Vermilion	1	19	19
Vulcan	1	17	—
Wetaskiwin	2	49	1
Willingdon	1	15	13
	88	1,476	296

HUNTER TRAINING**INSTRUCTOR COURSES**

1st April 1968 – 31st March, 1969

LOCATION	TOTAL # COURSES	SUCCESSFUL INSTRUCTORS	UNSUC. INST.
Brooks	1	30	—
Clandonald	1	4	—
Edmonton	1	1	—
Rocky Mountain House	1	42	—
Vermilion	1	10	—
	5	87	—

PERSONNEL

REPORT OF THE PERSONNEL OFFICER

R.J. CLARK

The personnel function in Lands and Forests and the government generally continued at a high pace through the 1968-69 fiscal year.

Some highlights during the year were:

1. Implementation of a voluntary Group Life Insurance Plan.
2. Revisions to the Public Service Act which will pave the way for more decentralization to departments.
3. The introduction of management development courses in the department.
4. Change in regulations dealing with wage employees.

On September 1, 1968, the voluntary Group Life Insurance Plan was implemented. The plan provides life insurance to a maximum of \$20,000 depending upon the employee's annual salary. Female employees without dependents are allowed \$3,000.00 insurance. Initial enrollment totalled approximately 11,000 employees. The government contributes \$.80 per month towards the cost of each employee's premium.

In addition to supervisory training courses, the department implemented a Management Development Training Program in May, 1968. The Minister, the Deputy Minister, and 30 senior staff enrolled in the first course held at the Forestry Training School at Hinton. A second management development course was held at the Banff School of Fine Arts in September, 1968. It is expected that two similar courses will be held in 1969.

As the government recognizes alcoholism as an illness, a training program was developed to indicate the supervisors' role in handling the problem drinker. This training was readily accepted by supervisory staff in the department.

The department continued to provide financial assistance in the amount of 25 to 100 per cent of total cost of the course to employees enrolled in approved training courses. To qualify for subsidization, the training should be a benefit to the employee and the department.

RECRUITMENT & SELECTION

Recruitment and selection continued to be a very busy area during the year. Approximately 100 promotional competitions were conducted within the department. In addition, 230 new appointments were made throughout the year. A total of 177 employees left the department; of these, a number were transferred or promoted to other departments. Nine retirements were included in the terminations.

This year we continued to recruit at various universities and technical schools across Canada. Interviews were conducted at the Universities of British Columbia, Alberta and New Brunswick.

The interest shown by graduates of the various technical schools across Canada for positions in the resources management area continued to rise. Students were interviewed at the Maritime Forest Ranger School (Fredericton), Ontario Forestry Technical School (Dorset), Saskatchewan Institute of Applied Arts and Sciences (Saskatoon), Northern Alberta Institute of Technology (Edmonton), British Columbia Institute of Technology (Vancouver) and Selkirk College at Castlegar, B.C. Job offers were made to a number of personnel and we were fortunate to fill positions in Fish and Wildlife, Forestry, and Parks from applicants interviewed.

The Junior Forest Ranger program continued to interest young men from all areas of the province. Approximately 300 applications were received. Sixty young men were selected to fill the positions at the camps in the Rocky-Clearwater, Crowsnest, Edson, and Grande Prairie Forests.

The employment of summer assistants for work on various projects declined slightly this year. Wherever possible we endeavoured to employ personnel who were enrolled in the resources area at the various universities and technical schools.

CLASSIFICATION & PAY

Because of the increased work load and new programs, new positions were established in Personnel, Publicity, Registration, Forestry, Lands and Parks.

Insofar as pay is concerned, the highlight came when the government signed a two-year agreement with the Civil Service Association which was effective January 1, 1969. The average increase was approximately 7%.

Throughout the year a number of classification reviews were completed. The major review of the Technician positions in the government was finalized and the new Technologist class was established. This review was lengthy; however, the end result appears to have been worth the many hours spent in this study.

No classification appeals were received during the year.

EMPLOYEE RELATIONS

A two-year agreement was signed by the government and the Civil Service Association of Alberta effective January 1, 1969. This agreement will expire on December 31, 1970. Effective January 1, 1969, the agreement provides for approximately a 15% increase over two years; 8% January 1, 1969 and 7% January 1, 1970.

The government also agreed to a partial Rand Formula. Effective September 1, 1969, all employees included in the agreement must pay association dues.

Also effective September 1, 1969 the government and the association will decide on what managerial positions will be excluded from the agreement.

During the year, new regulations on wage personnel were established. These regulations categorized wage personnel into three specific areas. Permanent wage employees were placed in "C" group which gives them almost the same benefits as classified civil servants.

During the year nine employees retired. Mr. Cyril Kenway, Registrar with the department retired in July 1968 after completing more than 40 years of government service.

Mr. W.C. (Rocky) Hales, Administrator, Fish and Wildlife Division, retired on August 15, 1968. Rocky had more than 26 years service. Miss Thelma Edwards reached retirement age on September 27, 1968. Thelma had 27 years service. Forest Superintendent Frederick V. (Ted) Keats retired on January 31, 1969, after a lengthy illness. Ted had approximately 30 years service. Other retirements were Harry A. Peter, Raymond L. Atwater, Eric Seyl, John A. Williams and William C. Noble.

Mr. Reg Loomis reached retirement age in January, 1969 but his services were extended beyond the age of 65. Reg expects to retire in May, 1969.

PERSONNEL

MINISTER'S OFFICE

1 Minister
1 Secretary
2

3 Duplicating Equipment Operators
8 Aerial Photo Processors
3 Clerk Stenographers
4 Clerk Typists
4 Clerks
8 Photogrammetrists

DEPUTY MINISTER'S OFFICE

1 Deputy Minister
1 Solicitor
2 Personnel Officers
1 Office Manager
1 Information Officer
1 Conservation Training Officer
1 Artist
4 Clerk Stenographers
6 Clerk Typists
1 Clerk
19

65

REGISTRATION DIVISION

2 Administrative Officers
1 Clerk Stenographer
4 Technologists
32 Clerks
2 Clerk Typists
1 Automotive Equipment Operator

42

ACCOUNTS BRANCH

4 Accountants
3 Bookkeeping Machine Operators
1 Comptometer Operator
2 Stores Clerks
1 Stockkeeper
1 Duplicating Equipment Operator
3 Clerk Stenographers
20 Clerk Typists
33 Clerks
68

TECHNICAL DIVISION

3 Technical Officers
1 Land Surveyor
31 Technologists

FORESTRY DIVISION

Forest Administration Branch

1 Forestry Director
1 Administrative Officer
40 Foresters
25 Clerks
9 Clerk Stenographers
13 Automotive Mechanics
10 Senior Lookouts (permanent)
15 Lookouts (permanent)
149 Lookouts (seasonal)
18 Clerk Typists
18 Automotive Equipment Operators III
10 Road Foremen
15 Radio Operators
10 Carpenters
107 Forestry Officers I

FORESTRY DIVISION (con'd)

- 101 Forestry Officers II & III
 - 4 Airport Keepers
 - 11 Forestry Warehousemen
 - 1 Technologist
- 558

Forest Management Branch

- 13 Foresters
 - 1 Administrative Officer
 - 1 Timber Scaling Supervisor
 - 1 Forestry Land Use Co-ordinator
 - 4 Timber Auditors
 - 10 Clerks
 - 4 Clerk Stenographers
 - 5 Clerk Typists
- 39

Forest Protection

- 5 Foresters
 - 2 Maintenance Supervisors
 - 3 Aircraft Dispatchers
 - 4 Carpenters
 - 2 Electricians
 - 2 Plumbers
 - 1 Labourer
 - 1 Spray Painter
 - 1 Fire Control Dispatcher
 - 2 Stockkeepers
 - 1 Fire Weather Officer
 - 1 Sign Painter & Designer
 - 1 Forest Equipment Artisan
 - 1 Forestry Road Supervisor
 - 1 Engineer
 - 1 Forestry Equipment Supervisor
 - 5 Technologists
 - 4 Clerks
 - 3 Clerk Stenographers
 - 2 Clerk Typists
- 43

Forest Surveys Branch

- 12 Foresters
- 1 Technical Officer
- 29 Technologists
- 3 Clerk Typists
- 1 Clerk Stenographer

4 Clerks

50

Radio Branch

- 1 Communications Officer
- 3 Radio Operators
- 3 Engine Generator Technicians
- 1 Communications Technician
- 2 Clerk Typists
- 1 Clerk

11

Forestry Training School

- 1 Forestry Training School Superintendent
- 8 Instructors
- 1 Stockkeeper
- 1 Clerk Stenographer
- 1 Clerk Typist
- 1 Clerk

13

FISH & WILDLIFE DIVISION

- 1 Fish & Wildlife Director
- 1 Fish & Wildlife Administrator
- 1 Administrative Officer
- 12 Fish & Wildlife Officers I
- 47 Fish & Wildlife Officers II
- 7 Fish & Wildlife Officers III
- 1 Fish & Wildlife Officer IV
- 7 Fish & Wildlife Technicians
- 2 Technologists
- 5 Biologists I
- 15 Biologists II
- 2 Biologists III
- 2 Biologists IV
- 3 Research Biologists
- 1 Game Hatchery Superintendent
- 1 Game Hatchery Attendant I
- 1 Game Hatchery Attendant II
- 1 Laboratory Technician
- 3 Fish Culturists I
- 3 Fish Culturists II
- 1 Fish Culturist III
- 1 Fish Culturist IV
- 37 Clerk Stenographers
- 25 Clerk Typists
- 1 Clerk

181

EASTERN ROCKIES FOREST CONSERVATION
BOARD

- 2 Foresters
- 2 Technologists
- 1 Clerk Typist
- 1 Clerk Stenographer
- 6

LANDS DIVISION

- 1 Public Lands Director
- 7 Administrative Officers
- 28 Public Lands Appraisers
- 10 Grazing Reserve Attendants
- 2 Agrologists
- 43 Clerks
- 40 Clerk Typists
- 9 Clerk Stenographers
- 140

PROVINCIAL PARKS DIVISION

- 1 Parks Director
- 1 Parks Planning Supervisor
- 1 Parks Management Supervisor
- 3 Parks Planners
- 5 Parks Supervisors
- 1 Engineer
- 1 Geographer
- 1 Landscape Architect
- 1 Administrative Officer
- 1 Maintenance Supervisor
- 3 Maintenance Workers
- 30 Parks Officers
- 6 Automotive Equipment Operators
- 3 Automotive Mechanics
- 6 Technologists
- 2 Stockkeepers
- 3 Carpenters
- 1 Electrician
- 1 Painter
- 1 Utility Worker
- 1 Museum Display Artist I
- 2 Clerks
- 4 Clerk Typists
- 4 Clerk Stenographers
- 83

TOTAL - 1,320

APR 7 '70