



**ALBERTA
CONSTRUCTION AND MAINTENANCE
ANNUAL REPORT
2001/2002**

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1.0 INTRODUCTION

The Water Survey Division of Environment Canada has prepared annual construction reports since 1949. This report summarizes construction activity and financial details for projects undertaken during the April 01, 2001 to March 31, 2002 fiscal year.

Expenditure summaries for new station construction, site inspections, repairs, relocations, upgrades and remediation of discontinued sites are grouped by Federal (F), Federal-Provincial (FP) and Provincial (P) designations.

2.0 COST-SHARING ARRANGEMENTS

The Alberta District construction and maintenance program is managed under a Memorandum of Agreement (MOA) for hydrometric surveys, signed by the government of Canada and province of Alberta on April 15, 1975. Annual construction budgets and priorities are established via a joint consultative process between Alberta Environment and Environment Canada.

Under the terms of the agreement each gauging station is designated as Federal (F), Federal – Provincial (FP) or Provincial (P) by a Coordinating Committee. Stations designated F are the cost responsibility of the Water Survey of Canada; stations designated FP are cost shared equally and stations designated P are the cost responsibility of the Province of Alberta.

Shareable costs are defined in schedule B of the MOA. Direct costs such as the salaries of construction personnel, field travel expenses, vehicle operating costs, materials and payments for contracts/services are summarized.

Exceptions relate to specialized equipment and/or instrumentation whereby, under the Article VII of the MOA, costs are paid by the party requiring the service.

2.0 THE 2001/02 CONSTRUCTION PROGRAM

Construction and maintenance projects were carried out at 71 gauging stations in the Alberta District this fiscal year.. Construction details are summarized by station name in Appendix A.

3.0 DISTRIBUTION OF COSTS

Table 1: Summary of fiscal year expenditures by designation

2001/2002 CONSTRUCTION PROJECTS AND COSTS BY DESIGNATION			
	COUNT	DESIGNATION	COST
	11	FEDERAL	\$ 14,509.50
	32	FEDERAL-PROVINCIAL	\$ 29,775.39
	28	PROVINCIAL	\$ 21,687.32
Totals:	71		\$ 65,972.21
Federal Portion:	\$ 29,397.19 (45%)		
Provincial Portion:	\$ 36,575.02 (55%)		

Table 2: Distribution of Federal Maintenance Costs

2001/02		FED		MAINTENANCE COST		
Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share	
WATERTON RIVER NEAR WATERTON PARK	05AD003	F	\$322.57	\$322.57	\$0.00	
BOXELDER CREEK AT HARGRAVE'S RANCH	05AH050	F	\$243.70	\$243.70	\$0.00	
BOXELDER CREEK NEAR WALSH	05AH001	F	\$243.70	\$243.70	\$0.00	
CANADIAN ST. MARY CANAL NEAR SPRING COULEE	05AE026	F	\$159.98	\$159.98	\$0.00	
COLD LAKE AT COLD LAKE	06AF002	F	\$6,105.42	\$6,105.42	\$0.00	
CROWFOOT CREEK NEAR CLUNY	05BM008	F	\$74.51	\$74.51	\$0.00	
MOUNTAIN VIEW IRRIGATION DISTRICT CANAL	05AD017	F	\$242.58	\$242.58	\$0.00	
NORTH SASKATCHEWAN RIVER NEAR DEER CREEK	05EF001	F	\$1,309.16	\$1,309.16	\$0.00	
OLDMAN RIVER NEAR LETHBRIDGE	05AD007	F	\$4,810.68	\$4,810.68	\$0.00	
ROSEBUD RIVER AT REDLAND	05CE005	F	\$335.66	\$335.66	\$0.00	
SEVEN PERSONS CREEK AT MEDICINE HAT	05AH005	F	\$661.56	\$661.56	\$0.00	
TOTAL	FED	MAINTENANCE COST	\$14,509.50	\$14,509.50	\$0.00	

Table 3: Distribution of Federal-Provincial Maintenance Costs**2001/02 FED-PROV MAINTENANCE COST**

Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share
FALLENTIMBER CREEK NEAR SUNDRE	05CA012	FP	\$194.77	\$97.39	\$97.39
HANGINGSTONE RIVER AT FORT MCMURRAY	07CD004	FP	\$1,280.00	\$640.00	\$640.00
WHITE EARTH CREEK NEAR SMOKEY LAKE	05EC006	FP	\$121.24	\$60.62	\$60.62
BELLY RIVER NEAR MOUNTAIN VIEW	05AD005	FP	\$159.98	\$79.99	\$79.99
BOW RIVER BELOW CARSELAND DAM	05BM002	FP	\$1,796.05	\$898.03	\$898.03
LEE CREEK AT CARDSTON	05AE002	FP	\$1,169.26	\$584.63	\$584.63
PEMBINA RIVER AT JARVIE	07BC002	FP	\$976.35	\$488.17	\$488.17
BATTLE RIVER NEAR PONOKA	05FA001	FP	\$978.09	\$489.04	\$489.04
BIGKNIFE CREEK NEAR GADSBY	05FC002	FP	\$334.16	\$167.08	\$167.08
BOYER RIVER NEAR PADDLE PRAIRIE	07JF004	FP	\$1,166.22	\$583.11	\$583.11
CLEAR RIVER NEAR BEAR CANYON	07FD009	FP	\$1,077.40	\$538.70	\$538.70
COYOTE CREEK NEAR CHERHILL	07BB014	FP	\$1,225.42	\$612.71	\$612.71
EUREKA RIVER NEAR WORSLEY	07FD013	FP	\$345.64	\$172.82	\$172.82
FLAT CREEK NEAR BOYLE	07CA003	FP	\$2,910.07	\$1,455.04	\$1,455.04
GROS VENTRE CREEK NEAR DUNMORE	05AH037	FP	\$1,657.81	\$828.91	\$828.91
IRON CREEK NEAR HARDISTY	05FB002	FP	\$399.16	\$199.58	\$199.58
MEDICINE RIVER NEAR ECKVILLE	05CC007	FP	\$882.50	\$441.25	\$441.25
MUSKEG RIVER NEAR GRANDE CACHE	07GA002	FP	\$1,416.83	\$708.42	\$708.42
NOTIKWIN RIVER AT MANNING	07HC001	FP	\$1,328.42	\$664.21	\$664.21
PINE CREEK NEAR GRASSLAND	07CA005	FP	\$442.27	\$221.13	\$221.13
PIPESTONE CREEK NEAR WETASKIWIN	05FA012	FP	\$325.16	\$162.58	\$162.58
PONTON RIVER ABOVE BOYER RIVER	07JF003	FP	\$1,254.72	\$627.36	\$627.36
REDEARTH CREEK NEAR RED EARTH CREEK	07JC002	FP	\$932.12	\$466.06	\$466.06
RENWICK CREEK NEAR THREE HILLS	05CE011	FP	\$214.25	\$107.13	\$107.13
RIBSTONE CREEK NEAR EDGERTON	05FD001	FP	\$399.16	\$199.58	\$199.58
SAM LAKE TRIBUTARY NEAR SCHULER	05AH047	FP	\$465.86	\$232.93	\$232.93
SAULTEAUX RIVER NEAR SPURFIELD	07BK005	FP	\$3,888.24	\$1,944.12	\$1,944.12
TEEPEE CREEK NEAR LA CRETE	07JD004	FP	\$1,221.22	\$610.61	\$610.61
VERMILION RIVER TRIBUTARY NEAR BRUCE	05EE006	FP	\$399.16	\$199.58	\$199.58
WANDERING RIVER NEAR WANDERING RIVER	07CA006	FP	\$328.71	\$164.36	\$164.36
WEST ARROWWOOD CREEK NEAR ARROWWOOD	05BM014	FP	\$322.57	\$161.28	\$161.28
WEST ARROWWOOD CREEK NEAR ENSIGN	05BM018	FP	\$162.59	\$81.29	\$81.29
TOTAL FED-PROV MAINTENANCE COST			\$29,775.39	\$14,887.70	\$14,887.70

Table 4: Distribution of Provincial Maintenance Costs

2001/02 PROV MAINTENANCE COST					
Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share
BATTLE RIVER NEAR FORESTBURG	05FC001	P	\$334.16	\$0.00	\$334.16
BEAVERLODGE RIVER NEAR BEAVERLODGE	07GD001	P	\$1,229.72	\$0.00	\$1,229.72
BLINDMAN RIVER NEAR BLACKFALDS	05CC001	P	\$65.21	\$0.00	\$65.21
BOYER RIVER NEAR FORT VERMILION	07JF002	P	\$1,291.64	\$0.00	\$1,291.64
BUFFALO LAKE NEAR ERSKINE	05CD005	P	\$126.41	\$0.00	\$126.41
JACKPINE CREEK AT WADLIN LAKE ROAD	07JD003	P	\$1,007.32	\$0.00	\$1,007.32
KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN	05GA010	P	\$399.16	\$0.00	\$399.16
KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE	07GE002	P	\$1,658.00	\$0.00	\$1,658.00
KNEEHILLS CREEK NEAR DRUMHELLER	05CE002	P	\$335.66	\$0.00	\$335.66
LITTLE SMOKY RIVER NEAR GUY	07GH002	P	\$2,305.96	\$0.00	\$2,305.96
LLOYD CREEK NEAR BLUFFTON	05CC009	P	\$384.98	\$0.00	\$384.98
MCGREGOR TRAVERS CANAL NEAR CHAMPION	05AC025	P	\$162.59	\$0.00	\$162.59
MONITOR CREEK NEAR MONITOR	05GA003	P	\$582.21	\$0.00	\$582.21
NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE	05DC001	P	\$1,139.69	\$0.00	\$1,139.69
PADDLE RIVER AT BARRHEAD	07BB006	P	\$2,843.60	\$0.00	\$2,843.60
PAINT EARTH CREEK NEAR HALKIRK	05FC004	P	\$166.55	\$0.00	\$166.55
PEMBINA RIVER NEAR ENTWISTLE	07BB002	P	\$2,104.61	\$0.00	\$2,104.61
ROSS CREEK NEAR IRVINE	05AH003	P	\$111.76	\$0.00	\$111.76
RUSH LAKE DRAIN NEAR NEW DAYTON	05AF031	P	\$322.57	\$0.00	\$322.57
SOUNDING CREEK NEAR OYEN	05GA008	P	\$420.22	\$0.00	\$420.22
ST. MARY RIVER NEAR LETHBRIDGE	05AE006	P	\$790.39	\$0.00	\$790.39
STIRLING LAKE OUTFLOW NEAR STIRLING	05AF029	P	\$361.35	\$0.00	\$361.35
STURGEON RIVER NEAR FORT SASKATCHEWAN	05EA001	P	\$623.87	\$0.00	\$623.87
STURGEON RIVER NEAR VILLENEUVE	05EA005	P	\$280.80	\$0.00	\$280.80
THREEHILLS CREEK NEAR CARBON	05CE007	P	\$166.55	\$0.00	\$166.55
TROUT CREEK NEAR GRANUM	05AB005	P	\$1,211.88	\$0.00	\$1,211.88
WATERTON RIVER NEAR GLENWOOD	05AD028	P	\$1,175.92	\$0.00	\$1,175.92
YOUNG CREEK NEAR CASTOR	05FC007	P	\$84.56	\$0.00	\$84.56
TOTAL PROV MAINTENANCE COST			\$21,687.32	\$0.00	\$21,687.32

Table 5: Detailed Annual Station Cost Breakdown

2001/2002 Annual Station Cost Breakdown

Station Name: FALLENTIMBER CREEK NEAR SUNDRE	05CA012
Task: Well repair	FP-?
Work Completed: 10-Jul-01	
Salary	\$109.02
Vehicle	\$28.83
Travel	\$56.92
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$194.77
Station Name: WATERTON RIVER NEAR WATERTON PARK	05AD003
Task: Recon for Heat tape upgrade	F-1
Work Completed: 27-Jun-01	
Salary	\$193.00
Vehicle	\$52.24
Travel	\$77.33
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$322.57
Station Name: BOXELDER CREEK AT HARGRAVE'S RANCH	05AH050
Task: Heat tape, Well repair	F-2
Work Completed: 29-Aug-01	
Salary	\$144.58
Vehicle	\$43.55
Travel	\$55.57
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$243.70
Station Name: BOXELDER CREEK NEAR WALSH	05AH001
Task: Recon culverts. Well Repair.	F-2
Work Completed: 29-Aug-01	
Salary	\$144.58
Vehicle	\$43.55
Travel	\$55.57
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$243.70

2001/2002 Annual Station Cost Breakdown

Station Name: CANADIAN ST. MARY CANAL NEAR SPRING COULEE

05AE026

Task: Site inspection

F-2

Work Completed: 27-Jun-01

Salary	\$95.72
Vehicle	\$25.91
Travel	\$38.35
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$159.98

Station Name: COLD LAKE AT COLD LAKE

06AF002

Task: Relocation (reconn)

F-2

Work Completed: 13-Aug-01

Salary	\$1,349.97
Vehicle	\$371.68
Travel	\$390.77
Materials	\$443.00
Contracts	\$3,550.00
TOTAL:	\$6,105.42

Station Name: CROWFOOT CREEK NEAR CLUNY

05BM008

Task: Site Inspection

F-2

Work Completed: 27-Mar-02

Salary	\$48.97
Vehicle	\$16.67
Travel	\$8.87
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$74.51

Station Name: MOUNTAIN VIEW IRRIGATION DISTRICT CANAL

05AD017

Task: Relocation (reconn)

F-2

Work Completed: 27-Jun-01

Salary	\$145.14
Vehicle	\$39.28
Travel	\$58.16
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$242.58

2001/2002 Annual Station Cost Breakdown

Station Name:	NORTH SASKATCHEWAN RIVER NEAR DEER CREEK	05EF001
Task:	Site repair	F-2
Work Completed:	10-Oct-01	
	Salary	\$164.49
	Vehicle	\$79.94
	Travel	\$89.73
	Materials	\$0.00
	Contracts	\$975.00
	TOTAL:	\$1,309.16
Station Name:	OLDMAN RIVER NEAR LETHBRIDGE	05AD007
Task:	Sediment boom	F-2
Work Completed:	29-May-01	
	Salary	\$2,717.28
	Vehicle	\$379.36
	Travel	\$426.32
	Materials	\$1,143.27
	Contracts	\$144.45
	TOTAL:	\$4,810.68
Station Name:	ROSEBUD RIVER AT REDLAND	05CE005
Task:	Heat tape extension	F-2
Work Completed:	03-Jul-01	
	Salary	\$199.06
	Vehicle	\$61.21
	Travel	\$75.39
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$335.66
Station Name:	SEVEN PERSONS CREEK AT MEDICINE HAT	05AH005
Task:	Heat tape, Site repair	F-2
Work Completed:	28-Aug-01	
	Salary	\$385.35
	Vehicle	\$116.08
	Travel	\$148.13
	Materials	\$12.00
	Contracts	\$0.00
	TOTAL:	\$661.56

2001/2002 Annual Station Cost Breakdown

Station Name:	HANGINGSTONE RIVER AT FORT MCMURRAY	07CD004
Task:	Site repair	FP-1
Work Completed:	25-Oct-01	
	Salary	\$0.00
	Vehicle	\$0.00
	Travel	\$0.00
	Materials	\$0.00
	Contracts	\$1,280.00
	TOTAL:	\$1,280.00
 Station Name:	 WHITE EARTH CREEK NEAR SMOKEY LAKE	 05EC006
Task:	Site remediation (Reconn)	FP-1
Work Completed:	05-Nov-01	
	Salary	\$74.42
	Vehicle	\$25.12
	Travel	\$21.70
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$121.24
 Station Name:	 BELLY RIVER NEAR MOUNTAIN VIEW	 05AD005
Task:	Reconn and site maintenance	FP-2
Work Completed:	27-Jun-01	
	Salary	\$95.72
	Vehicle	\$25.91
	Travel	\$38.35
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$159.98
 Station Name:	 BOW RIVER BELOW CARSELAND DAM	 05BM002
Task:	Cableway repair	FP-2
Work Completed:	12-Jun-01	
	Salary	\$872.63
	Vehicle	\$114.00
	Travel	\$41.20
	Materials	\$768.22
	Contracts	\$0.00
	TOTAL:	\$1,796.05

2001/2002 Annual Station Cost Breakdown

Station Name:	LEE CREEK AT CARDSTON	05AE002
Task:	Heat tape upgrade	FP-2
Work Completed:	26-Jun-01	
	Salary	\$385.47
	Vehicle	\$104.33
	Travel	\$154.46
	Materials	\$525.00
	Contracts	\$0.00
	TOTAL:	\$1,169.26
 Station Name:	 PEMBINA RIVER AT JARVIE	 07BC002
Task:	Site repair	FP-2
Work Completed:	08-Nov-01	
	Salary	\$368.81
	Vehicle	\$124.49
	Travel	\$107.55
	Materials	\$375.50
	Contracts	\$0.00
	TOTAL:	\$976.35
 Station Name:	 BATTLE RIVER NEAR PONOKA	 05FA001
Task:	Cableway remediation	FP-3
Work Completed:	11-Jul-01	
	Salary	\$547.47
	Vehicle	\$144.76
	Travel	\$285.86
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$978.09
 Station Name:	 BIGKNIFE CREEK NEAR GADSBY	 05FC002
Task:	De-mouse	FP-3
Work Completed:	19-Sep-01	
	Salary	\$164.49
	Vehicle	\$79.94
	Travel	\$89.73
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$334.16

2001/2002 Annual Station Cost Breakdown

Station Name:	BOYER RIVER NEAR PADDLE PRAIRIE	07JF004
Task:	Site repair	FP-3
Work Completed:	29-Sep-01	
	Salary	\$514.80
	Vehicle	\$77.80
	Travel	\$128.76
	Materials	\$444.86
	Contracts	\$0.00
	TOTAL:	\$1,166.22
 Station Name:	 CLEAR RIVER NEAR BEAR CANYON	 07FD009
Task:	Site repair	FP-3
Work Completed:	18-Oct-01	
	Salary	\$0.00
	Vehicle	\$0.00
	Travel	\$0.00
	Materials	\$200.00
	Contracts	\$877.40
	TOTAL:	\$1,077.40
 Station Name:	 COYOTE CREEK NEAR CHERHILL	 07BB014
Task:	Heat tape, Site repair	FP-3
Work Completed:	12-Sep-01	
	Salary	\$406.73
	Vehicle	\$106.48
	Travel	\$114.21
	Materials	\$598.00
	Contracts	\$0.00
	TOTAL:	\$1,225.42
 Station Name:	 EUREKA RIVER NEAR WORSLEY	 07FD013
Task:	Site repair	FP-3
Work Completed:	18-Dec-01	
	Salary	\$0.00
	Vehicle	\$0.00
	Travel	\$0.00
	Materials	\$0.00
	Contracts	\$345.64
	TOTAL:	\$345.64

2001/2002 Annual Station Cost Breakdown

Station Name:	FLAT CREEK NEAR BOYLE	07CA003
Task:	Shelter upgrade - Relocation	FP-3
Work Completed:	17-Oct-01	
	Salary	\$1,389.77
	Vehicle	\$393.92
	Travel	\$386.38
	Materials	\$740.00
	Contracts	\$0.00
	TOTAL:	\$2,910.07
 Station Name:	 GROS VENTRE CREEK NEAR DUNMORE	 05AH037
Task:	Site repair	FP-3
Work Completed:	26-Mar-02	
	Salary	\$1,022.19
	Vehicle	\$336.63
	Travel	\$243.99
	Materials	\$55.00
	Contracts	\$0.00
	TOTAL:	\$1,657.81
 Station Name:	 IRON CREEK NEAR HARDISTY	 05FB002
Task:	Benchmark installation	FP-3
Work Completed:	19-Sep-01	
	Salary	\$164.49
	Vehicle	\$79.94
	Travel	\$89.73
	Materials	\$65.00
	Contracts	\$0.00
	TOTAL:	\$399.16
 Station Name:	 MEDICINE RIVER NEAR ECKVILLE	 05CC007
Task:	Cableway repair	FP-3
Work Completed:	10-Jul-01	
	Salary	\$346.02
	Vehicle	\$91.49
	Travel	\$180.67
	Materials	\$264.31
	Contracts	\$0.00
	TOTAL:	\$882.50

2001/2002 Annual Station Cost Breakdown

Station Name:	MUSKEG RIVER NEAR GRANDE CACHE	07GA002
Task:	Cableway, Site repair	FP-3
Work Completed:	03-Oct-01	
	Salary	\$580.65
	Vehicle	\$155.20
	Travel	\$261.12
	Materials	\$419.86
	Contracts	\$0.00
	TOTAL:	\$1,416.83
 Station Name:	 NOTIKEWIN RIVER AT MANNING	 07HC001
Task:	Site repair	FP-3
Work Completed:	30-Sep-01	
	Salary	\$554.40
	Vehicle	\$77.80
	Travel	\$128.76
	Materials	\$567.46
	Contracts	\$0.00
	TOTAL:	\$1,328.42
 Station Name:	 PINE CREEK NEAR GRASSLAND	 07CA005
Task:	Site inspection	FP-3
Work Completed:	12-Sep-01	
	Salary	\$270.50
	Vehicle	\$70.81
	Travel	\$75.96
	Materials	\$25.00
	Contracts	\$0.00
	TOTAL:	\$442.27
 Station Name:	 PIPESTONE CREEK NEAR WETASKIWIN	 05FA012
Task:	Site repair	FP-3
Work Completed:	13-Sep-01	
	Salary	\$136.24
	Vehicle	\$35.67
	Travel	\$38.26
	Materials	\$115.00
	Contracts	\$0.00
	TOTAL:	\$325.16

2001/2002 Annual Station Cost Breakdown

Station Name:	PONTON RIVER ABOVE BOYER RIVER	07JF003
Task:	De-mouse	FP-3
Work Completed:	28-Sep-01	
	Salary	\$554.40
	Vehicle	\$77.80
	Travel	\$128.76
	Materials	\$493.76
	Contracts	\$0.00
	TOTAL:	\$1,254.72
 Station Name:	 REDEARTH CREEK NEAR RED EARTH CREEK	 07JC002
Task:	Site repair	FP-3
Work Completed:	27-Sep-01	
	Salary	\$297.00
	Vehicle	\$77.80
	Travel	\$128.76
	Materials	\$428.56
	Contracts	\$0.00
	TOTAL:	\$932.12
 Station Name:	 RENWICK CREEK NEAR THREE HILLS	 05CE011
Task:	Heat tape extension	FP-3
Work Completed:	04-Jul-01	
	Salary	\$124.10
	Vehicle	\$38.16
	Travel	\$47.00
	Materials	\$5.00
	Contracts	\$0.00
	TOTAL:	\$214.25
 Station Name:	 RIBSTONE CREEK NEAR EDGERTON	 05FD001
Task:	Site repair	FP-3
Work Completed:	20-Sep-01	
	Salary	\$164.49
	Vehicle	\$79.94
	Travel	\$89.73
	Materials	\$65.00
	Contracts	\$0.00
	TOTAL:	\$399.16

2001/2002 Annual Station Cost Breakdown

Station Name: SAM LAKE TRIBUTARY NEAR SCHULER

05AH047

Task: Bench mark installation

FP-3

Work Completed: 29-Aug-01

Salary	\$240.78
Vehicle	\$72.53
Travel	\$92.55
Materials	\$60.00
Contracts	\$0.00
TOTAL:	\$465.86

Station Name: SAULTEAUX RIVER NEAR SPURFIELD

07BK005

Task: Shelter upgrade (fire)

FP-3

Work Completed: 26-Sep-01

Salary	\$1,188.00
Vehicle	\$155.20
Travel	\$515.04
Materials	\$2,030.00
Contracts	\$0.00
TOTAL:	\$3,888.24

Station Name: TEEPEE CREEK NEAR LA CRETE

07JD004

Task: Site repair

FP-3

Work Completed: 29-Sep-01

Salary	\$514.80
Vehicle	\$77.80
Travel	\$128.76
Materials	\$499.86
Contracts	\$0.00
TOTAL:	\$1,221.22

Station Name: VERMILION RIVER TRIBUTARY NEAR BRUCE

05EE006

Task: Benchmark Installation

FP-3

Work Completed: 19-Sep-01

Salary	\$164.49
Vehicle	\$79.94
Travel	\$89.73
Materials	\$65.00
Contracts	\$0.00
TOTAL:	\$399.16

2001/2002 Annual Station Cost Breakdown

Station Name:	WANDERING RIVER NEAR WANDERING RIVER	07CA006
Task:	Site Inspection	FP-3
Work Completed:	13-Sep-01	
	Salary	\$203.37
	Vehicle	\$53.24
	Travel	\$57.11
	Materials	\$15.00
	Contracts	\$0.00
	TOTAL:	\$328.71
Station Name:	WEST ARROWWOOD CREEK NEAR ARROWWOOD	05BM014
Task:	Replaced Heat tape	FP-3
Work Completed:	28-Jun-01	
	Salary	\$193.00
	Vehicle	\$52.24
	Travel	\$77.33
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$322.57
Station Name:	WEST ARROWWOOD CREEK NEAR ENSIGN	05BM018
Task:	Heat tape extension	FP-3
Work Completed:	28-Jun-01	
	Salary	\$97.28
	Vehicle	\$26.33
	Travel	\$38.98
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$162.59
Station Name:	BATTLE RIVER NEAR FORESTBURG	05FC001
Task:	Site repair	P-1
Work Completed:	20-Sep-01	
	Salary	\$164.49
	Vehicle	\$79.94
	Travel	\$89.73
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$334.16

2001/2002 Annual Station Cost Breakdown

Station Name:	BEAVERLODGE RIVER NEAR BEAVERLODGE	07GD001
Task:	Cableway repair	P-1
Work Completed:	02-Oct-01	
	Salary	\$521.40
	Vehicle	\$155.20
	Travel	\$261.12
	Materials	\$292.00
	Contracts	\$0.00
	TOTAL:	\$1,229.72
 Station Name:	 BLINDMAN RIVER NEAR BLACKFALDS	 05CC001
Task:	Lock bar	P-1
Work Completed:	11-Jul-01	
	Salary	\$36.50
	Vehicle	\$9.65
	Travel	\$19.06
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$65.21
 Station Name:	 BOYER RIVER NEAR FORT VERMILION	 07JF002
Task:	Site repair	P-1
Work Completed:	28-Sep-01	
	Salary	\$554.40
	Vehicle	\$77.80
	Travel	\$128.76
	Materials	\$530.68
	Contracts	\$0.00
	TOTAL:	\$1,291.64
 Station Name:	 BUFFALO LAKE NEAR ERSKINE	 05CD005
Task:	Well repair	P-1
Work Completed:	05-Jul-01	
	Salary	\$74.96
	Vehicle	\$23.05
	Travel	\$28.39
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$126.41

2001/2002 Annual Station Cost Breakdown

Station Name:	JACKPINE CREEK AT WADLIN LAKE ROAD	07JD003
Task:	Site repair	P-1
Work Completed:	27-Sep-01	
	Salary	\$297.00
	Vehicle	\$77.80
	Travel	\$128.76
	Materials	\$503.76
	Contracts	\$0.00
	TOTAL:	\$1,007.32
 Station Name:	 KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN	 05GA010
Task:	Benchmark Installation	P-1
Work Completed:	21-Sep-01	
	Salary	\$164.49
	Vehicle	\$79.94
	Travel	\$89.73
	Materials	\$65.00
	Contracts	\$0.00
	TOTAL:	\$399.16
 Station Name:	 KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE	 07GE002
Task:	Cableway, Site repair	P-1
Work Completed:	01-Oct-01	
	Salary	\$645.48
	Vehicle	\$155.20
	Travel	\$261.12
	Materials	\$596.20
	Contracts	\$0.00
	TOTAL:	\$1,658.00
 Station Name:	 KNEEHILLS CREEK NEAR DRUMHELLER	 05CE002
Task:	Heat tape extension	P-1
Work Completed:	04-Jul-01	
	Salary	\$199.06
	Vehicle	\$61.21
	Travel	\$75.39
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$335.66

2001/2002 Annual Station Cost Breakdown

Station Name:	LITTLE SMOKY RIVER NEAR GUY	07GH002
Task:	Cableway repair	P-1
Work Completed:	30-Sep-01	
	Salary	\$554.40
	Vehicle	\$77.80
	Travel	\$128.76
	Materials	\$475.00
	Contracts	\$1,070.00
	TOTAL:	\$2,305.96
 Station Name:	 LLOYD CREEK NEAR BLUFFTON	 05CC009
Task:	Lockbar	P-1
Work Completed:	12-Jul-01	
	Salary	\$145.52
	Vehicle	\$38.48
	Travel	\$75.98
	Materials	\$125.00
	Contracts	\$0.00
	TOTAL:	\$384.98
 Station Name:	 MCGREGOR TRAVERS CANAL NEAR CHAMPION	 05AC025
Task:	Cableway (reconn)	P-1
Work Completed:	28-Jun-01	
	Salary	\$97.28
	Vehicle	\$26.33
	Travel	\$38.98
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$162.59
 Station Name:	 MONITOR CREEK NEAR MONITOR	 05GA003
Task:	Heat tape upgrade	P-1
Work Completed:	05-Jul-01	
	Salary	\$297.83
	Vehicle	\$91.58
	Travel	\$112.80
	Materials	\$80.00
	Contracts	\$0.00
	TOTAL:	\$582.21

2001/2002 Annual Station Cost Breakdown

Station Name:	NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE	05DC001
Task:	Shelter repairs	P-1
Work Completed:	11-Sep-01	
	Salary	\$677.23
	Vehicle	\$177.29
	Travel	\$190.17
	Materials	\$95.00
	Contracts	\$0.00
	TOTAL:	\$1,139.69
 Station Name:	 PADDLE RIVER AT BARRHEAD	 07BB006
Task:	Site repair	P-1
Work Completed:	23-Oct-01	
	Salary	\$0.00
	Vehicle	\$0.00
	Travel	\$0.00
	Materials	\$0.00
	Contracts	\$2,843.60
	TOTAL:	\$2,843.60
 Station Name:	 PAINTEARTH CREEK NEAR HALKIRK	 05FC004
Task:	Well repair	P-1
Work Completed:	05-Jul-01	
	Salary	\$98.77
	Vehicle	\$30.37
	Travel	\$37.41
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$166.55
 Station Name:	 PEMBINA RIVER NEAR ENTWISTLE	 07BB002
Task:	Well repair	P-1
Work Completed:	06-Sep-01	
	Salary	\$1,393.51
	Vehicle	\$320.86
	Travel	\$315.24
	Materials	\$75.00
	Contracts	\$0.00
	TOTAL:	\$2,104.61

2001/2002 Annual Station Cost Breakdown

Station Name:	ROSS CREEK NEAR IRVINE	05AH003
Task:	Site remediation (Reconn)	P-1
Work Completed:	27-Mar-02	
	Salary	\$73.45
	Vehicle	\$25.00
	Travel	\$13.31
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$111.76
 Station Name:	 RUSH LAKE DRAIN NEAR NEW DAYTON	 05AF031
Task:	Reconn wade bridge	P-1
Work Completed:	27-Jun-01	
	Salary	\$193.00
	Vehicle	\$52.24
	Travel	\$77.33
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$322.57
 Station Name:	 SOUNDING CREEK NEAR OYEN	 05GA008
Task:	Site inspection	P-1
Work Completed:	04-Jul-01	
	Salary	\$249.20
	Vehicle	\$76.63
	Travel	\$94.38
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$420.22
 Station Name:	 ST. MARY RIVER NEAR LETHBRIDGE	 05AE006
Task:	Cableway repair	P-1
Work Completed:	21-Jun-01	
	Salary	\$358.97
	Vehicle	\$55.05
	Travel	\$126.36
	Materials	\$250.00
	Contracts	\$0.00
	TOTAL:	\$790.39

2001/2002 Annual Station Cost Breakdown

Station Name:	STIRLING LAKE OUTFLOW NEAR STIRLING	05AF029
Task:	Heat tape	P-1
Work Completed:	21-Jun-01	
	Salary	\$240.04
	Vehicle	\$36.81
	Travel	\$84.50
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$361.35
Station Name:	STURGEON RIVER NEAR FORT SASKATCHEWAN	05EA001
Task:	Site repair	P-1
Work Completed:	13-Sep-01	
	Salary	\$339.60
	Vehicle	\$88.91
	Travel	\$95.36
	Materials	\$100.00
	Contracts	\$0.00
	TOTAL:	\$623.87
Station Name:	STURGEON RIVER NEAR VILLENEUVE	05EA005
Task:	Site repair	P-1
Work Completed:	18-Oct-01	
	Salary	\$118.50
	Vehicle	\$22.40
	Travel	\$64.90
	Materials	\$75.00
	Contracts	\$0.00
	TOTAL:	\$280.80
Station Name:	THREEHILLS CREEK NEAR CARBON	05CE007
Task:	De-mouse.	P-1
Work Completed:	04-Jul-01	
	Salary	\$98.77
	Vehicle	\$30.37
	Travel	\$37.41
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$166.55

2001/2002 Annual Station Cost Breakdown

Station Name: TROUT CREEK NEAR GRANUM

05AB005

Task: Heat tape

P-1

Work Completed: 19-Jun-01

Salary	\$479.54
Vehicle	\$73.55
Travel	\$168.80
Materials	\$490.00
Contracts	\$0.00
TOTAL:	\$1,211.88

Station Name: WATERTON RIVER NEAR GLENWOOD

05AD028

Task: Install RB loading platform

P-1

Work Completed: 20-Jun-01

Salary	\$598.47
Vehicle	\$91.79
Travel	\$210.66
Materials	\$275.00
Contracts	\$0.00
TOTAL:	\$1,175.92

Station Name: YOUNG CREEK NEAR CASTOR

05FC007

Task: Repair shut-off

P-1

Work Completed: 05-Jul-01

Salary	\$50.14
Vehicle	\$15.42
Travel	\$18.99
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$84.56

SUMMARY OF ANNUAL STATION EXPENSES

Salary	\$26,055.63
Vehicle	\$6,144.22
Travel	\$8,234.97
Materials	\$14,451.30
Contracts	\$11,086.09
Grand Total	\$65,972.21

APPENDIX A: 2001 -2002 CONSTRUCTION DETAIL

Work Ended	StationName	Station ID	DESIG	Remarks
20/09/2001	BATTLE RIVER NEAR FORESTBURG	05FC001	P-1	Installed WWG. Ran levels. Removed old brackets.
11/07/2001	BATTLE RIVER NEAR PONOKA	05FA001	FP-3	Remediate discontinued cableway, cleaned up site
02/10/2001	BEAVERLODGE RIVER NEAR BEAVERLODGE	07GD001	P-1	Installed 2' X 63" cableway platform extension and rail
27/06/2001	BELLY RIVER NEAR MOUNTAIN VIEW	05AD005	FP-2	Reconn and site clean-up/maintenance
19/09/2001	BIGKNIFE CREEK NEAR GADSBY	05FC002	FP-3	De-mouse shelter
11/07/2001	BLINDMAN RIVER NEAR BLACKFALDS	05CC001	P-1	Reconn rip-rap, Site Insp, Repaired broken ground wire.
12/06/2001	BOW RIVER BELOW CARSELAND DAM	05BM002	FP-2	Cableway repairs. Replaced cones. Site maintenance.
29/08/2001	BOXELDER CREEK AT HARGRAVE'S RANCH	05AH050	F-2	Re-install heat tape. Recon lower intakes. Repair shut-off valve. Ran levels.
29/08/2001	BOXELDER CREEK NEAR WALSH	05AH001	F-2	Reconn Culverts. Site inspection. Repaired hole in well and shut-off assy.
28/09/2001	BOYER RIVER NEAR FORT VERMILION	07JF002	P-1	Replaced old heat tape with 14/8 Pyrotenax, repair heat lamp desilted well and de-moused shelter.
29/09/2001	BOYER RIVER NEAR PADDLE PRAIRIE	07JF004	FP-3	Dug out lower intake, installed 10/6 Pyrotenax
05/07/2001	BUFFALO LAKE NEAR ERSKINE	05CD005	P-1	Site inspection, Well repairs, fixed shut off handle. And shut-off extension
27/06/2001	CANADIAN ST. MARY CANAL NEAR SPRING COULEE	05AE026	F-2	Site inspection, non-stnd shelter (cinder brick) measured up for custom fall arrest assy.
18/10/2001	CLEAR RIVER NEAR BEAR CANYON	07FD009	FP-3	Contract to trench a new orifice line. (Flahr)
13/08/2001	COLD LAKE AT COLD LAKE	06AF002	F-2	Reconn of Cold Lake at the Water Treatment Plant to the Cold Lake Marina site. Met with contractor for supply & installation of service box.
07/11/2001	COLD LAKE AT COLD LAKE	06AF002	F-2	Installed instrument shelter, ground rods, electrical boxes, 2 meter outside staff gauge a 150m armored orifice line, instrumentation and a new benchmark. Arranged for installation of phone line (directional bore) under separate contract,
12/09/2001	COYOTE CREEK NEAR CHERHILL	07BB014	FP-3	Installed 9/6 Pyrotenax, hard wired with pilot switch, dug out lower intake, and repaired shut off handles. Installed 32" x 6' access ramp.
27/03/2002	CROWFOOT CREEK NEAR CLUNY	05BM008	F-2	Site inspection, Shelter requires a lock bar and stairs, Pyrotenax is not grounded, door requires a new spring and shelter a general clean-up. Upper intake buried, no sign of lower intake.
18/12/2001	EUREKA RIVER NEAR WORSLEY	07FD013	FP-3	Contract with to weld angle iron on culvert (La Prairie)
10/07/2001	FALLENTIMBER CREEK NEAR SUNDRE	05CA012	FP-1	Power flush well. Locate intakes. Recon upgrade/wwg
07/11/2001	FLAT CREEK NEAR BOYLE	07CA003	FP-3	Shelter had been relocated by contractors, main breaker would not reset. Found neutral wire disconnected, Repaired same. Cleaned out shelter. & replaced bulbs.

17/10/2001	FLAT CREEK NEAR BOYLE	07CA003	FP-3	Dismantle 5X5 ft brytex shelter, relocated and re-assemble at new site, replace floor, instrument shelf and back board. nstalled and buried 100ft amour orifice line, install WSC brass cap in r/bank bridge abutment, site clean up and disposal of demolition waste.
28/08/2001	GROS VENTRE CREEK NEAR DUNMORE	05AH037	FP-3	Dig out lower intake.
26/03/2002	GROS VENTRE CREEK NEAR DUNMORE	05AH037	FP-3	Dug out lower intake and separated baffle on end of 3" line, re-installed heat tape to the end of line and re-connected baffle with flex coupling. Installed pilot switch and an additional duplex receptacle.
25/10/2001	HANGINGSTONE RIVER AT FORT MCMURRAY	07CD004	FP-1	Electrical upgrades and repairs to damaged power line and service mast. ref: P.O. #763146
19/09/2001	IRON CREEK NEAR HARDISTY	05FB002	FP-3	Installed 5 section threaded WSC bench mark assembly. Hard wired Pyrotenax.
27/09/2001	JACKPINE CREEK AT WADLIN LAKE ROAD	07JD003	P-1	Removed old heat tape and install 13/6 Pyrotenax w/pilot switch replaced light fixture with porcelain, repaired heat lamp cord.
21/09/2001	KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN	05GA010	P-1	Installed Brass Cap.
01/10/2001	KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE	07GE002	P-1	Remove old heat tape and install new 8/7 Pyrotenax, locate and dig out upper inake pipe. Pick up materials and build cableway load platform.
04/07/2001	KNEEHILLS CREEK NEAR DRUMHELLER	05CE002	P-1	Extended heat tape, had to turn back 9-12' from stream end
26/06/2001	LEE CREEK AT CARDSTON	05AE002	FP-2	Install 15/6 heat tape and site repairs.
30/11/2001	LITTLE SMOKY RIVER NEAR GUY	07GH002	P-1	Contract with Cloutier Contracting in Girouxville, Alta. Excavation for trenching new orifice line at Little Smoky River.
30/09/2001	LITTLE SMOKY RIVER NEAR GUY	07GH002	P-1	Inspected right bank cableway deadman and cable, adjusted main cable sag.
12/07/2001	LLOYD CREEK NEAR BLUFFTON	05CC009	P-1	Installed lock bar. Repaired door. Measured up for wwg.
28/06/2001	MCGREGOR TRAVERS CANAL NEAR CHAMPION	05AC025	P-1	Reconn condemned cableway.
10/07/2001	MEDICINE RIVER NEAR ECKVILLE	05CC007	FP-3	Cableway repair, & site inspection, far bank platform ripped apart in flood.
12/07/2001	MEDICINE RIVER NEAR ECKVILLE	05CC007	FP-3	Replaced LB cableway platform, legs and deck.
05/07/2001	MONITOR CREEK NEAR MONITOR	05GA003	P-1	Replaced lower plumbing. Re-install heat tape, site clean-up and electrical repair
27/06/2001	MOUNTAIN VIEW IRRIGATION DISTRICT CANAL	05AD017	F-2	Site inspection for relocation to canal zone & remediation of wood stave well.
03/10/2001	MUSKEG RIVER NEAR GRANDE CACHE	07GA002	FP-3	Remove old heat tape and installed 10/6 Pyrotenax cable, nstalled temp junction box for pyro control, measured up cableway platform for extension.

10/10/2001	NORTH SASKATCHEWAN RIVER NEAR DEER CREEK	05EF001	F-2	Contract to GC Electric to replace circuit fm pier to shelter with #10 tech cable and removal of EMT.
21/09/2001	NORTH SASKATCHEWAN RIVER NEAR DEER CREEK	05EF001	F-2	Site inspection to install guard rail under bridge 176 ft. walkway has only a 29" rail.
11/09/2001	NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE	05DC001	P-1	Rebuilt shelter stairway, added concrete pads and 4 x 4 posts, added bracing and replaced top rails, secured stairway to shelter.
30/09/2001	NOTIKEWIN RIVER AT MANNING	07HC001	FP-3	Installed 12/6 Pyrotenax, installed GFI, repaired heat lamp, hatch cover hinges, replaced lower plumbing, repaired door and dug out entryway, trenched for run-off.
29/05/2001	OLDMAN RIVER NEAR LETHBRIDGE	05AD007	F-2	Fabricate & install 5 meter sediment boom on Oldman River adjacent to gauge shelter. Relocate & install steel lock-up shelter at new sampling location.
23/10/2001	PADDLE RIVER AT BARRHEAD	07BB006	P-1	Electric service interrupted by a fallen tree. Landowner suggested we upgrade service. Contacted Utilicorp to install 110 m overhead service, 2 poles and transformer. Contracted Barrhead Electric to replace mast, install meter base and make final connection.
05/07/2001	PAINTEARTH CREEK NEAR HALKIRK	05FC004	P-1	De-silted well. Repaired valve extensions. Repaired extension handle.
08/11/2001	PEMBINA RIVER AT JARVIE	07BC002	FP-2	Installed a new armored orifice line/block assy running from the left bank to mid channel, relocated WWG on bridge rail to mid channel and tied by levels.
06/09/2001	PEMBINA RIVER NEAR ENTWISTLE	07BB002	P-1	Enlarged clean out hatch at bottom of well and adjusted rings. De-silted well and repaired shut off extensions. Caulked holes in well and cleaned up site.
12/09/2001	PINE CREEK NEAR GRASSLAND	07CA005	FP-3	Found shelter wiring not attached to wall, added clips and hard wired heat cable with a pilot switch, cleaned up shelter.
13/09/2001	PIPESTONE CREEK NEAR WETASKIWIN	05FA012	FP-3	Installed shelter lock bar and measured up for a low profile roof mast for the solar panel and goes antenna.
28/09/2001	PONTON RIVER ABOVE BOYER RIVER	07JF003	FP-3	De-silted stilling well, remove old heat tape and installed 13.6 Pyrotenax. De-moused shelter.
27/09/2001	REDEARTH CREEK NEAR RED EARTH CREEK	07JC002	FP-3	Removed old heat tape and installed 9/6 Pyrotenax w/pilot switch
04/07/2001	RENWICK CREEK NEAR THREE HILLS	05CE011	FP-3	Extended heat tape, replaced lower shut-off. Site inspection.
20/09/2001	RIBSTONE CREEK NEAR EDGERTON	05FD001	FP-3	Inspected wade bridge crossing. Pumped out well. Repaired valve handle. Installed benchmark and tied by level.
03/07/2001	ROSEBUD RIVER AT REDLAND	05CE005	F-2	Extended 11/8 heat cable.
27/03/2002	ROSS CREEK NEAR IRVINE	05AH003	P-1	Located discontinued station on Beirbach property and

				spoke with tenants, owner not resident. Inspected shelter & well for remediation.
27/06/2001	RUSH LAKE DRAIN NEAR NEW DAYTON	05AF031	P-1	Reconn for cableway - site has been remediated to reduce flood risk by extensive canal work and culverts, spoke with landowner.. Previous flooding was due to drainage issues (nowhere for water to go)
29/08/2001	SAM LAKE TRIBUTARY NEAR SCHULER	05AH047	FP-3	Installed WSC bench mark and ran levels.
26/09/2001	SAULTEAUX RIVER NEAR SPURFIELD	07BK005	FP-3	Removed and disposed of burned out shelter, Installed and insulated new 4X4 brytex.
28/08/2001	SEVEN PERSONS CREEK AT MEDICINE HAT	05AH005	F-2	Re-installed heat tape with riser and switch. Dug out door sweep and repaired bent door.
04/07/2001	SOUNDING CREEK NEAR OYEN	05GA008	P-1	Site inspection, found broken lower intake.
21/06/2001	ST. MARY RIVER NEAR LETHBRIDGE	05AE006	P-1	Replaced cablecar
21/06/2001	STIRLING LAKE OUTFLOW NEAR STIRLING	05AF029	P-1	Extended heat tape.
13/09/2001	STURGEON RIVER NEAR FORT SASKATCHEWAN	05EA001	P-1	Re- wired heat tape and installed pilot switch. Installed shelter access ramp
18/10/2001	STURGEON RIVER NEAR VILLENEUVE	05EA005	P-1	Removed and disposed of rotten shelter ramp, installed 32" and 6' pressure treated ramp.
29/09/2001	TEEPEE CREEK NEAR LA CRETE	07JD004	FP-3	De-silt well, dug out intakes, replaced plumbing, installed 10/6 heat tape, repaired heat lamp
04/07/2001	THREEHILLS CREEK NEAR CARBON	05CE007	P-1	De-mouse. Site inspection
19/06/2001	TROUT CREEK NEAR GRANUM	05AB005	P-1	Installed 9/6 heat tape, electrical replaced, plumbing repair.
19/09/2001	VERMILION RIVER TRIBUTARY NEAR BRUCE	05EE006	FP-3	Installed 5 section threaded bench mark between gauge shelter and highway.
13/09/2001	WANDERING RIVER NEAR WANDERING RIVER	07CA006	FP-3	Measured up cableway platform. Cleaned up shelter and rewired shelter.
20/06/2001	WATERTON RIVER NEAR GLENWOOD	05AD028	P-1	Installed RB loading platform
27/06/2001	WATERTON RIVER NEAR WATERTON PARK	05AD003	F-1	Measured up lower intake for heat cable, req 35m hot lead
28/06/2001	WEST ARROWWOOD CREEK NEAR ARROWWOOD	05BM014	FP-3	Heat tape replaced 8/7 with 6/9.
28/06/2001	WEST ARROWWOOD CREEK NEAR ENSIGN	05BM018	FP-3	Heat tape extended
05/11/2001	WHITE EARTH CREEK NEAR SMOKEY LAKE	05EC006	FP-1	Checked on status of discontinued site. 5 x 5 brytex shelter and 5' wood stave well are secure.
05/07/2001	YOUNG CREEK NEAR CASTOR	05FC007	P-1	Site inspection, repaired shut-offs.

Appendix: B Photographs

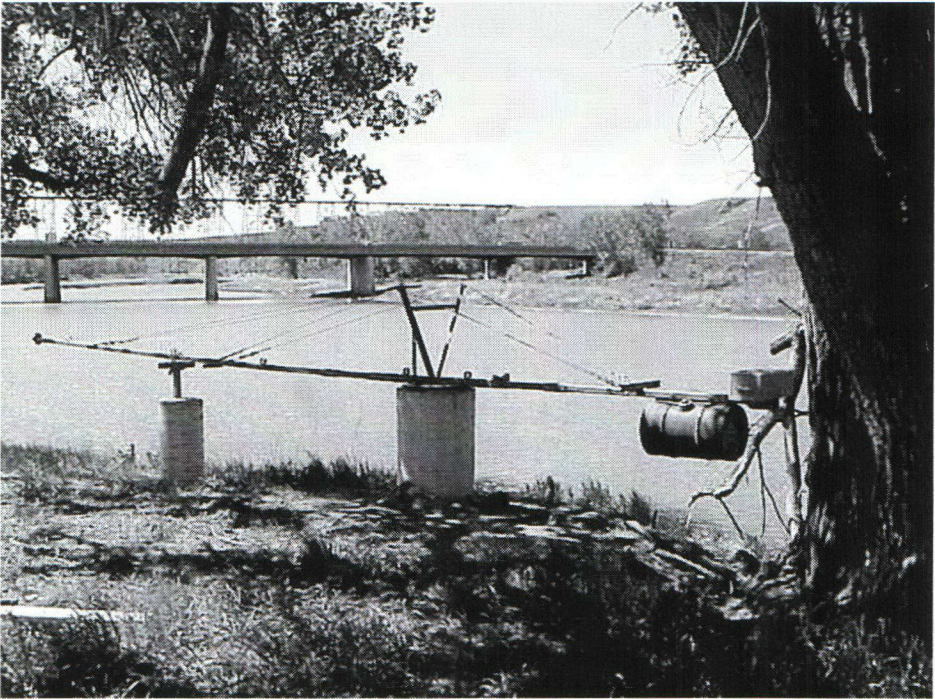


Figure 1: Oldman River Sediment Boom

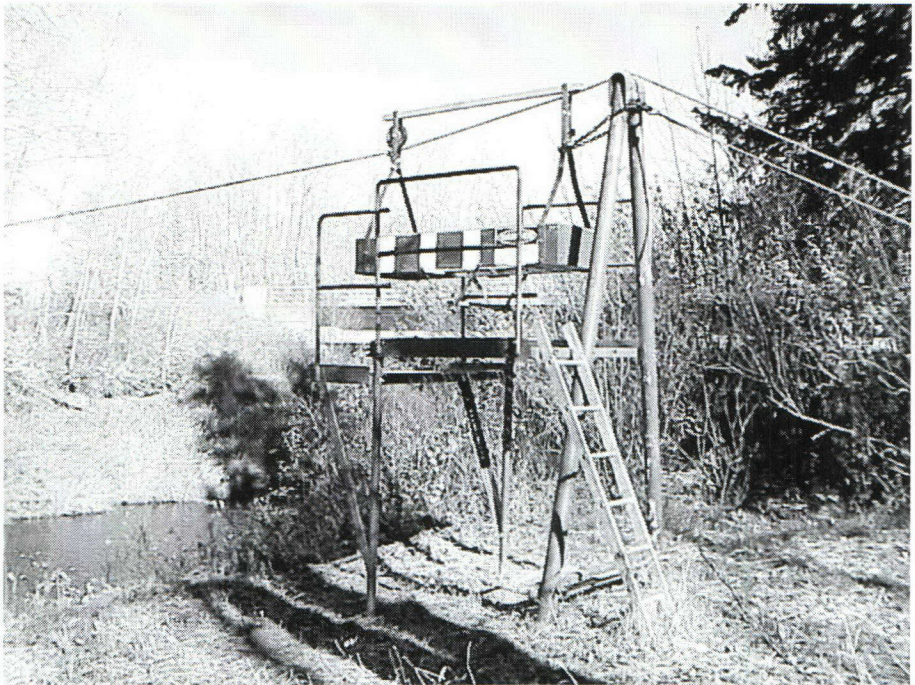


Figure 2: Beaverlodge Platform Extension

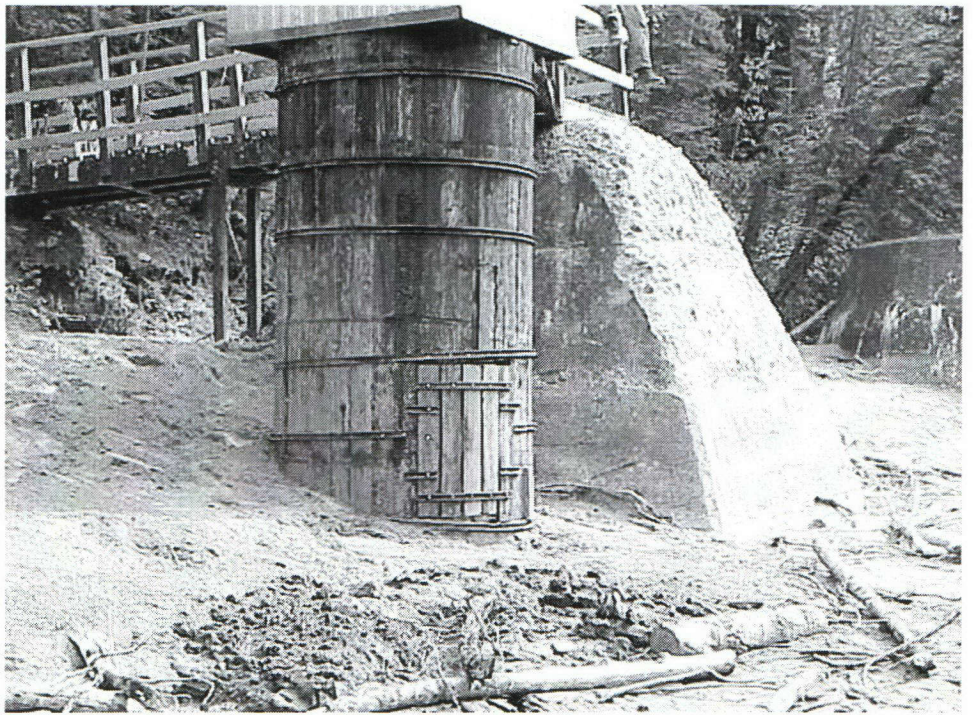


Figure 3: Pembina Clean out hatch

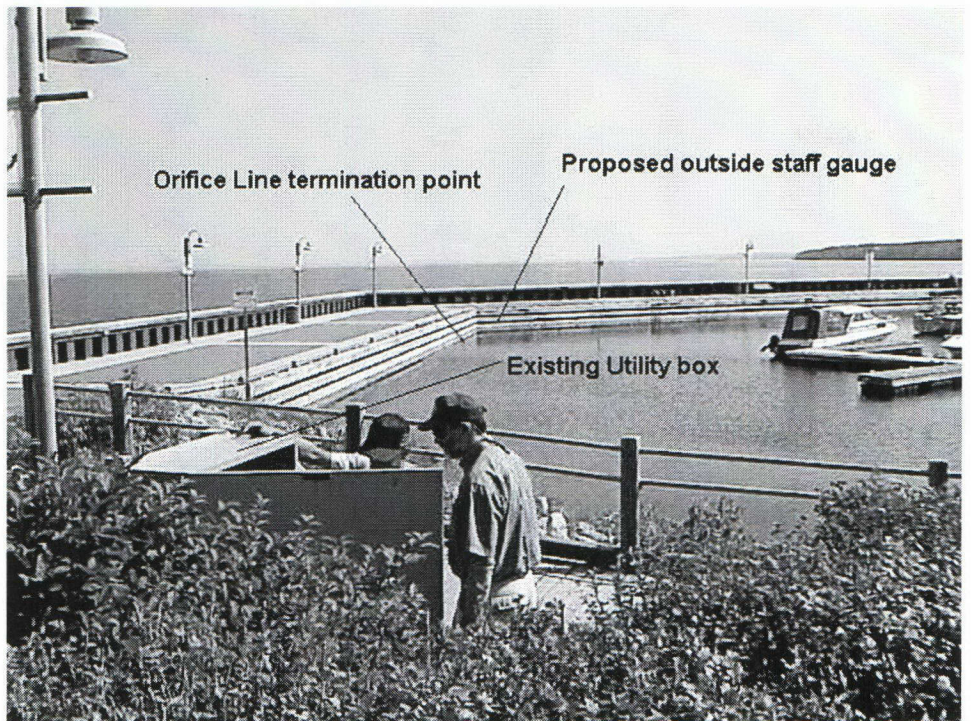


Figure 4: Cold Lake Recon