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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, 2004 to March 31, 2005 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.

3.0 THE 2004/05 CONSTRUCTION PROGRAM

Projects this fiscal year were carried out at 71 gauging stations. This included the installation of 6 new monitoring stations in the Cypress Hills area, the upgrading of 7 manual gauge sites to automatic recorders, relocation of 3 gauging stations, remediation work at 3 discontinued stations and an additional 3 magnetic particle inspections on suspended cableways. Major projects involved the relocation of Little Paddle River near Mayerthorpe – 07BB005 and a contract to rip-rap and stabilize the left bank at Blindman River near Blackfaulds – 05CC001.

Remainder of projects were related to on-going maintenance & repair such as cableway and shelter upgrades/repairs, installation of benchmarks, fall arrest/lock bar installations, plumbing repairs, mouse proofing and rectifying heat cable problems.

4.0 DISTRIBUTION OF COSTS

Table 1: Summary of Fiscal Year Expenditures by Designation

2003/2004 CONS	TRUCTION	PROJECTS AND COSTS BY	Y DESIGNATION
`	COUNT	DESIGNATION	COST
	9	FEDERAL	\$ 6,601.14
	28	FEDERAL-PROVINCIAL	\$ 61,702.62
	34	PROVINCIAL	\$ 89,680.68
Totals:	71		\$ 157,984.44
Federal Portion:	\$37,452.45	(24%)	
Provincial Portion:	\$120,531.99	(76%)	

Table 2: Distribution of 2004/05 Federal Maintenance Costs

Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share
BEAVER RIVER AT COLD LAKE RESERVE	06AD006	F	\$1,300.27	\$1,300.27	\$0.00
BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL	05BN008	F	\$245.38	\$245.38	\$0.00
BOW RIVER DEVELOPMENT MAIN CANAL	05AC004	F	\$1,103.13	\$1,103.13	\$0.00
CANADIAN ST. MARY CANAL NEAR SPRING COULEE	05AE026	F	\$629.50	\$629.50	\$0.00
CROWFOOT CREEK NEAR CLUNY	05BM008	F	\$2,072.60	\$2,072.60	\$0.00
LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME	05AB019	F	\$150.38	\$150.38	\$0.00
RED DEER RIVER AT RED DEER	05CC002	F	\$609.12	\$609.12	\$0.00
MILK RIVER AT MILK RIVER	11AA005	F	\$245.38	\$245.38	\$0.00
VERDIGRIS COULEE NEAR THE MOUTH	11AA038	F	\$245.38	\$245.38	\$0.00
TOTAL FED MAINTENANCE COST		:	\$6,601.14	\$6,601.14	\$0.00

Table 3: Distribution of 2004/05 Federal-Provincial Maintenance Costs

Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share
BEAVER RIVER ABOVE SYNCRUDE	07DA018	FP	\$2,795.83	\$1,397.92	\$1,397.92
BONNEYVILLE STORAGE COMPOUND	00TT002	FP	\$152.93	\$76.47	\$76.47
CLEARWATER RIVER AT DRAPER	07CD001	FP	\$2,640.83	\$1,320.42	\$1,320.42
FIREBAG RIVER NEAR THE MOUTH	07DC001	FP	\$2,778.33	\$1,389.17	\$1,389.17
MACKAY RIVER NEAR FORT MACKAY	07DB001	FP	\$2,640.83	\$1,320.42	\$1,320.42
MUSKEG RIVER NEAR FORT MACKAY	07DA008	FP	\$2,751.68	\$1,375.84	\$1,375.84
STEEPBANK RIVER NEAR FORT MCMURRAY	07DA006	FP	\$2,786.83	\$1,393.42	\$1,393.42
LUTOSE CREEK NEAR STEEN RIVER	07OB006	FP	\$1,531.63	\$765.81	\$765.81
ROLPH CREEK NEAR KIMBALL	05AE005	FP	\$381.42	\$190.71	\$190.71
SMOKY RIVER ABOVE HELLS CREEK	07GA001	FP	\$2,905.20	\$1,452.60	\$1,452.60
ATIMOSWE CREEK NEAR ELK POINT	05ED002	FP	\$861.69	\$430.84	\$430.84
CADOTTE RIVER AT OUTLET CADOTTE LAKE	07HB001	FP	\$3,084.83	\$1,542.42	\$1,542.42
ELBOW RIVER AT BRAGG CREEK	05BJ004	FP	\$2,246.32	\$1,123.16	\$1,123.16
LALBY CREEK NEAR GIROUXVILLE	07GJ005	FP	\$1,980.89	\$990.45	\$990.45
LITTLE PADDLE RIVER NEAR MAYERTHORPE	07BB005	FP	\$6,507.66	\$3,253.83	\$3,253.83
MUSKEG RIVER NEAR GRANDE CACHE	07GA002	FP	\$1,940.01	\$970.01	\$970.01
NOTIKEWIN RIVER AT MANNING	07HC001	FP	\$550.00	\$275.00	\$275.00
PADDLE RIVER NEAR ANSELMO	07BB011	FP	\$1,828.96	\$914.48	\$914.48
PIPESTONE CREEK NEAR WETASKIWIN	05FA012	FP	\$275.62	\$137.81	\$137.81
RED DEER RIVER BELOW BURNT TIMBER CREEK	05CA009	FP	\$397.00	\$198.50	\$198.50
REDEARTH CREEK NEAR RED EARTH CREEK	07JC002	FP	\$238.96	\$119.48	\$119.48
TOMAHAWK CREEK NEAR TOMAHAWK	05DE009	FP	\$573.76	\$286.88	\$286.88
WAIPAROUS CREEK NEAR THE MOUTH	05BG006	FP	\$3,953.17	\$1,976.59	\$1,976.59
WASKASOO CREEK AT RED DEER	05CC011	FP	\$4,231.70	\$2,115.85	\$2,115.85
WEST ARROWWOOD CREEK NEAR ARROWWOOD	05BM014	FP	\$2,509.70	\$1,254.85	\$1,254.85
WEST PRAIRIE RIVER NEAR HIGH PRAIRIE	07BF002	FP	\$2,601.30	\$1,300.65	\$1,300.65
WEST WHITEMUD CREEK NEAR IRETON	05DF007	FP	\$573.76	\$286.88	\$286.88
WOLF RIVER AT OUTLET OF WOLF LAKE	06AB002	FP	\$5,981.79	\$2,990.90	\$2,990.90
			1 500 (0	030 OF1 31	C20 0F1 21

TOTAL FED-PROV MAINTENANCE COST

\$61,702.62 \$30,851.31 \$30,851.31

Table 4: Distribution of 2004/05 Provincial Maintenance Costs

Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share
ATHABASCA RIVER AT ATHABASCA	07BE001	P	\$2,093.94	\$0.00	\$2,093.94
BLACKMUD CREEK NEAR ELLERSLIE	05DF003	P	\$448.76	\$0.00	\$448.76
BLINDMAN RIVER NEAR BLACKFALDS	05CC001	P	\$6,560.00	\$0.00	\$6,560.00
BLOOD INDIAN CREEK NEAR CABIN LAKE	05CK007	P	\$512.59	\$0.00	\$512.59
BULLSHEAD RESERVOIR near ELKWATER	05AH057	P	\$3,301.74	\$0.00	\$3,301.74
CAVAN LAKE DIVERSION NEAR DUNMORE	05AH048	P	\$4,129.93	\$0.00	\$4,129.93
CYPRESS VIEW RESERVOIR NR ELKWATER	05AH054	P	\$3,765.93	\$0.00	\$3,765.93
DICKSON DAM TUNNEL OUTLET	05CB007	P	\$895.20	\$0.00	\$895.20
ELBOW RIVER BELOW GLENMORE DAM	05BJ001	P	\$2,127.13	\$0.00	\$2,127.13
GHOST RIVER ABOVE WAIPAROUS CREEK	05BG010	P	\$4,832.93	\$0.00	\$4,832.93
GREGG RIVER NEAR THE MOUTH	07AF015	P	\$215.27	\$0.00	\$215.27
GULL LAKE AT ASPEN BEACH	05CC006	P	\$1,354.48	\$0.00	\$1,354.48
HIGHWOOD RIVER BELOW LITTLE BOW CANAL	05BL004	P	\$245.38	\$0.00	\$245.38
JACKPINE CREEK AT WADLIN LAKE ROAD	07JD003	P	\$1,531.63	\$0.00	\$1,531.63
LAC LA NONNE AT LAC LA NONNE	07BB007	P	\$2,758.22	\$0.00	\$2,758.22
LAC STE. ANNE AT ALBERTA BEACH	05EA006	P	\$2,560.03	\$0.00	\$2,560.03
LILY CREEK NEAR SLAVE LAKE	07BG004	P	\$1,053.71	\$0.00	\$1,053.71
LITTLE RED DEER RIVER NEAR THE MOUTH	05CB001	P	\$641.48	\$0.00	\$641.48
MacKAY CREEK RESERVOIR near ELKWATER	05AH056	P	\$3,230.98	\$0.00	\$3,230.98
McALPINE CREEK RESERVOIR NR ELWATER	05AH055	P	\$3,186.00	\$0.00	\$3,186.00
MOORE LAKE NEAR COLD LAKE	06AC002	P	\$1,586.59	\$0.00	\$1,586.59
MOOSEHILLS CREEK NEAR ELK POINT	05ED003	P	\$3,707.12	\$0.00	\$3,707.12
MOSQUITO CREEK NEAR THE MOUTH	05AC031	P	\$1,728.14	\$0.00	\$1,728.14
PIGEON LAKE AT GRANDVIEW	05FA013	P	\$4,381.82	\$0.00	\$4,381.82
PONY CREEK NEAR CHARD	07CE003	P	\$2,695.83	\$0.00	\$2,695.83
ROSS CREEK NEAR IRVINE	05AH003	P	\$314.88	\$0.00	\$314.88
SOUNDING CREEK NEAR OYEN	05GA008	P	\$6,999.95	\$0.00	\$6,999.95
SPRUCE COULEE RESERVOIR near ELKWATER	05AH058	P	\$3,503.53	\$0.00	\$3,503.53
STURGEON LAKE NEAR VALLEYVIEW	07GH003	P	\$2,479.17	\$0.00	\$2,479.17
SYLVAN LAKE AT SYLVAN LAKE	05CC003	P	\$3,271.26	\$0.00	\$3,271.26
UTIKUMA LAKE NEAR NIPISI	07JA001	P	\$4,974.59	\$0.00	\$4,974.59
WABAMUN LAKE AT WABAMUN	05DE002	P	\$598.34	\$0.00	\$598.34
WAMPUS CREEK NEAR HINTON	07AF003	P	\$5,126.23	\$0.00	\$5,126.23
WINAGAMI LAKE AT PROVINCIAL PARK	07BF006	P	\$2,867.91	\$0.00	\$2,867.91
TOTAL PROV MAINTENANCE COST		\$8	39,680.68	\$0.00	\$89,680.68

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Table 5: Detailed 2004/05 Annual Station Cost Breakdown

		AT COLD LAKE RESERVE		06AD006
Task:	Replace orifice line			F-2
Work Com	·=	02-Sep-04		
	Salary	\$291.33 \$95.28		
	Vehicle	\$93.28 \$148.66		•
	Travel	\$148.00 \$765.00		
	Materials			
	Contracts	\$0.00	9	
	TOTAL:	\$1,300.27	/0° 7	
tation Nam	e: BOW RIVER DE	VELOPMENT DRAIN D NEAR VA	AUXHALL New	05BN008
Task:	Site repair			F-2
Work Com	pleted:	21-Oct-04		
	Salary	\$75.20		
	Vehicle	\$0.00		
	Travel	\$45.18		•
	Materials	\$125.00		
	Contracts	\$0.00		
	TOTAL:	\$245.38		
tation Nam	e: BOW RIVER DE	VELOPMENT MAIN CANAL	New	05AC004
			New	05AC004 F-2
Station Name Task: Work Com	Benchmark installa		New	
Task:	Benchmark installa	ation 24-Aug-04	New	
Task:	Benchmark installa ppleted: Salary	ation	New	
Task:	Benchmark installa opleted: Salary Vehicle	ation 24-Aug-04 \$592.05 \$250.40	New	
Task:	Benchmark installa opleted: Salary Vehicle Travel	\$592.05 \$250.40 \$80.68	New	
Task:	Benchmark installa opleted: Salary Vehicle	ation 24-Aug-04 \$592.05 \$250.40	New	
Task: Work Com	Benchmark installandeted: Salary Vehicle Travel Materials Contracts TOTAL:	\$592.05 \$250.40 \$80.68 \$180.00 \$0.00		
Task: Work Com	Benchmark installandeted: Salary Vehicle Travel Materials Contracts TOTAL:	\$592.05 \$250.40 \$80.68 \$180.00 \$0.00		
Task: Work Com Station Nam Task:	Benchmark installanted: Salary Vehicle Travel Materials Contracts TOTAL: e: CANADIAN ST. Fall Arrest	\$592.05 \$250.40 \$80.68 \$180.00 \$0.00 \$1,103.13 MARY CANAL NEAR SPRING CO		F-2
Task: Work Com	Benchmark installandeted: Salary Vehicle Travel Materials Contracts TOTAL: e: CANADIAN ST. Fall Arrest npleted:	\$592.05 \$250.40 \$80.68 \$180.00 \$0.00 \$1,103.13 MARY CANAL NEAR SPRING CO		F-2 05AE02
Task: Work Com Station Nam Task:	Benchmark installandeted: Salary Vehicle Travel Materials Contracts TOTAL: e: CANADIAN ST. Fall Arrest repleted: Salary	\$592.05 \$250.40 \$80.68 \$180.00 \$0.00 \$1,103.13 MARY CANAL NEAR SPRING CO		F-2 05AE02
Task: Work Com Station Nam Task:	Benchmark installandeted: Salary Vehicle Travel Materials Contracts TOTAL: e: CANADIAN ST. Fall Arrest repleted: Salary Vehicle	\$592.05 \$250.40 \$80.68 \$180.00 \$0.00 \$1,103.13 MARY CANAL NEAR SPRING CO 07-Dec-04 \$177.20 \$256.00		F-2 05AE02
Task: Work Com Station Nam Task:	Benchmark installan pleted: Salary Vehicle Travel Materials Contracts TOTAL: e: CANADIAN ST. Fall Arrest repleted: Salary Vehicle Travel	24-Aug-04 \$592.05 \$250.40 \$80.68 \$180.00 \$0.00 \$1,103.13 MARY CANAL NEAR SPRING CO 07-Dec-04 \$177.20 \$256.00 \$11.30		F-2 05AE02
Task: Work Com Station Nam Task:	Benchmark installandeted: Salary Vehicle Travel Materials Contracts TOTAL: e: CANADIAN ST. Fall Arrest repleted: Salary Vehicle	24-Aug-04 \$592.05 \$250.40 \$80.68 \$180.00 \$0.00 \$1,103.13 MARY CANAL NEAR SPRING CO 07-Dec-04 \$177.20 \$256.00 \$11.30 \$185.00		F-2 05AE02
Task: Work Com Station Nam Task:	Benchmark installan pleted: Salary Vehicle Travel Materials Contracts TOTAL: e: CANADIAN ST. Fall Arrest repleted: Salary Vehicle Travel	24-Aug-04 \$592.05 \$250.40 \$80.68 \$180.00 \$0.00 \$1,103.13 MARY CANAL NEAR SPRING CO 07-Dec-04 \$177.20 \$256.00 \$11.30		F-2 05AE02

			1			
Station Name:	CROWFOOT CREI	EK NEAR CLUNY	7			05BM008
	Fall Arrest	00 1 1 04				F-2
Work Comple		08-Jul-04				
	Salary		\$1,139.13			
	Vehicle		\$193.60			
	Travel		\$45.20			
	Materials		\$694.67			
	Contracts		\$0.00			
	TOTAL:		\$2,072.60		لسما	
Station Name:	LETHBRIDGE NO	RTHERN IRRIGA	TION DISTRIC	T CANAL A	V	05AB019
Task:	Demouse shelter					F-2
Work Comple	eted:	21-Oct-04				
	Salary		\$75.20			
	Vehicle		\$0.00			
	Travel		\$45.18			
	Materials		\$30.00			
	Contracts		\$0.00			
	TOTAL:		\$150.38			
/Station Name:	RED DEER RIVER	AT RED DEER	New	<i>~</i>		05CC002
Task:	De-mouse					F-2
Work Comple	eted:	17-Nov-04				
	Salary		\$301.56			
	Vehicle		\$187.47			
	Travel		\$90.09			
	Materials		\$30.00			
	Contracts		\$0.00			
<i>i</i>	TOTAL:		\$609.12			
Sanding Number		AU IZ DIVED	New			11AA005
	MILK RIVER AT N	MILK RIVER	West.			
	Site repair					F-3
Work Comple		21-Oct-04				
	Salary		\$75.20			
	Vehicle		\$0.00			
	Travel		\$45.18			
	Materials		\$125.00			
	Contracts		\$0.00			
	TOTAL:		\$245.38			

Station Name: VERDIGRIS COU	LEE NEAR THE MOUTH	11AA038
Task: Site repair		F-3
Work Completed:	21-Oct-04	1 3
Salary	\$75.20	
Vehicle	\$0.00	
Travel	\$45.18	
Materials	\$125.00	
Contracts	\$0.00	
TOTAL:	\$245.38	
Station Name: BEAVER RIVER	ABOVE SYNCRUDE	07DA018
Task: cableway maintenar	ce	FP-1
Work Completed:	16-Mar-05	N. N
Salary	\$251.62	
Vehicle	\$90.88	
Travel	\$233.76	
Materials	\$230.00	
Contracts	\$1,989.57	
TOTAL:	\$2,795.83	
Station Name: BONNEYVILLE S	TORAGE COMPOUND	00TT002
Task: Transfer shelters to Work Completed:	Calgary 03-Sep-04	FP-1 [°]
Salary	\$83.24	
Vehicle	\$27.22	
Travel	\$42.47	
Materials	\$0.00	
Contracts	\$0.00	
TOTAL:	\$152.93	
Station Name: CLEARWATER R	IVER AT DRAPER	07CD001
Task: cableway maintenar Work Completed:	ce 17-Mar-05	FP-1
Salary	\$251.62	
Vehicle	\$90.88	
Travel	\$233.76	
Materials	\$75.00	
Contracts	\$1,989.57	
TOTAL:	\$2,640.83	

Station Name:	FIREBAG RIVER	NEAR THE MOUTH	07DC0	001
Task: Work Comple	cableway maintenan	ce 15-Mar-05	FP-1	
•	Salary	\$251.62		
	Vehicle	\$90.88	,	٠
	Travel	\$233.76		
	Materials	\$212.50		
	Contracts	\$1,989.57		
	TOTAL:	\$2,778.33		
Station Name:	MACKAY RIVER	NEAR FORT MACKAY	07DB0	001
Task:	cableway maintenan	ce	FP-1	
Work Comple	eted:	15-Mar-05		2
	Salary	\$251.62		l
	Vehicle	\$90.88		
	Travel	\$233.76		
	Materials	\$75.00		
	Contracts	\$1,989.57		
	TOTAL:	\$2,640.83		
Station Name:	MUSKEG RIVER	NEAR FORT MACKAY	07DA0	800
Task: Work Comple	cableway maintenane	ce 15-Mar-05	FP-1	į
•	Salary	\$262.25		
	Vehicle	\$94.72		
	Vehicle Travel	\$94.72 \$243.63		
		\$243.63		
	Travel	\$243.63 \$161.50		
	Travel Materials	\$243.63		
Station Name:	Travel Materials Contracts TOTAL:	\$243.63 \$161.50 \$1,989.57		006
Station Name: Task: Work Comple	Travel Materials Contracts TOTAL: STEEPBANK RIVE cableway maintenance	\$243.63 \$161.50 \$1,989.57 \$2,751.68 ER NEAR FORT MCMURRAY		
Task:	Travel Materials Contracts TOTAL: STEEPBANK RIVE cableway maintenanceted:	\$243.63 \$161.50 \$1,989.57 \$2,751.68 ER NEAR FORT MCMURRAY	المار FP-1	
Task:	Travel Materials Contracts TOTAL: STEEPBANK RIVI cableway maintenaneted: Salary	\$243.63 \$161.50 \$1,989.57 \$2,751.68 ER NEAR FORT MCMURRAY ce 16-Mar-05 \$251.62	المال 07DA0 FP-1	
Task:	Travel Materials Contracts TOTAL: STEEPBANK RIVE cableway maintenanceted:	\$243.63 \$161.50 \$1,989.57 \$2,751.68 ER NEAR FORT MCMURRAY ce 16-Mar-05	المالي 07DA0 FP-1	
Task:	Travel Materials Contracts TOTAL: STEEPBANK RIVI cableway maintenanceted: Salary Vehicle	\$243.63 \$161.50 \$1,989.57 \$2,751.68 ER NEAR FORT MCMURRAY ce 16-Mar-05 \$251.62 \$90.88 \$233.76	07DA0 FP-1	
Task:	Travel Materials Contracts TOTAL: STEEPBANK RIVI cableway maintenanceted: Salary Vehicle Travel	\$243.63 \$161.50 \$1,989.57 \$2,751.68 ER NEAR FORT MCMURRAY ce 16-Mar-05 \$251.62 \$90.88 \$233.76 \$221.00	ο7DA0 FP-1	
Task:	Travel Materials Contracts TOTAL: STEEPBANK RIVI cableway maintenanceted: Salary Vehicle Travel Materials	\$243.63 \$161.50 \$1,989.57 \$2,751.68 ER NEAR FORT MCMURRAY ce 16-Mar-05 \$251.62 \$90.88 \$233.76	المال FP-1	

Station Name: LUTOSE CREEK N	EAR STEEN RIVER	07OB006
Task: Mpi inspection Work Completed:	29-Jul-04	FP-2
Salary	\$376.20	•
Vehicle	\$171.73	
Travel	\$168.94	
Materials	\$72.00	
Contracts	\$742.75	
TOTAL:	\$1,531.63	
TOTAL.	//	
Station Name: ROLPH CREEK NE	AR KIMBALL	05AE005
Task: Site repair		FP-2
Work Completed:	21-Oct-04	11 2
Salary	\$113.34	
Vehicle	\$0.00	
Travel	\$68.09	
Materials	\$200.00	
Contracts	\$0.00	
TOTAL:	\$381.42	
Station Name: SMOKY RIVER AB	OVE HELLS CREEK	07GA001
Task: Mpi Inspection	•	FP-2 `
Work Completed:	30-Sep-04	
Salary	\$897.84	
Vehicle	\$206.58	
Travel	\$275.86	
Materials	\$59.00	:
Contracts	\$1,465.92	
TOTAL:	\$2,905.20	
Station Name: ATIMOSWE CREE	K NEAR ELK POINT	05ED002
Task: Heat cable repair	•	FP-3
Work Completed:	09-Nov-04	(
Salary	\$323.59	
Vehicle	\$168.90	
Travel	\$234.21	
Materials	\$135.00	
Contracts	\$0.00	
TOTAL:	\$861.69	

Station Name:	CADOTTE RIVER	AT OUT ET CAI	DOTTELAKE 4	h	07HB001
		ATOUTELTCA	SOTTE EARL		***
Task: Work Comple	Shelter Upgrade	29-Sep-04			FP-3
Work Compa	Salary	23-5Ср-04	\$1,624.12		
	Vehicle		\$458.85		
	Travel		\$552.37		· e
	Materials		\$449.50		
	Contracts		\$0.00		
	TOTAL:		\$3,084.83		
Station Name:	ELBOW RIVER A	T BRAGG CREEK		•	05BJ004
Task:	Cableway repair				FP-3
Work Comple		26-Nov-04			
	Salary		\$1,001.65		
	Vehicle		\$100.00		
	Travel		\$46.40		
	Materials		\$1,098.27		
	Contracts		\$0.00		
	TOTAL:		\$2,246.32		
Station Name:	LALBY CREEK N	EAR GIROUXVIL	ye of	~	07GJ005
Task: Work Comple	Reconn Discontinue	d Stn 30-Jul-04			FP-3
•	Salary		\$1,188.17		
	Vehicle		\$278.27		
	Travel		\$364.45		
	Materials		\$0.00		
	Contracts		\$150.00		
	TOTAL:		\$1,980.89		
Station Name:	LITTLE PADDLE	RIVER NEAR MA	YERTHORPE		07BB005
Task:	Relocation				FP-3
Work Comple	eted:	06-May-04			
	Salary		\$1,971.60		
	Vehicle		\$808.00		
	Travel		\$510.22		
	Materials		\$3,217.84		
	Contracts		\$0.00		
	TOTAL:		\$6,507.66		

Station Name: MUSKEG	G RIVER NEAR GRANDE CAC	CHE O	u.	07GA002
Task: Cableway		J		FP-3
Work Completed:	01-Oct-04			
Salary		\$724.86		
Vehicle	2	\$166.78		
Travel		\$222.71		
Materia		\$825.66		
Contrac		\$0.00		
TOTA	L:	\$1,940.01		
Station Name: NOTIKE	WIN RIVER AT MANNING	,		07HC001
Task: Cablecar				FP-3
Work Completed:	08-Nov-04			
Salary		\$0.00		
Vehicle	e	\$0.00		
Travel		\$0.00		
Materia		\$0.00		
Contrac	cts	\$550.00		
TOTA	L:	\$550.00		
Station Name: PADDLE	E RIVER NEAR ANSELMO	Nn)	07BB011
Task: Cableway	repair			FP-3
Work Completed:	07-Oct-04			ţ.
Salary		\$594.12		
Vehicle	e	\$126.98		
Travel		\$177.24		
Materia		\$930.62		
Contrac	cts	\$0.00		
ТОТА	L:	\$1,828.96		
Station Name: PIPESTO	ONE CREEK NEAR WETASKIV	WIN J		05FA012
Task: De-mouse	16-Dec-04	ď		FP-3
Work Completed:	10-1/CC-V4	\$124.36		1
Salary Vehicle	9	\$124.36 \$57.47		
Travel		\$37.47 \$78.79		
Materia		\$15.00		
Contra		\$0.00		
	•			
TOTA	L:	\$275.62		

Station Name:	RED DEER RIV	ER BELOW BURNT	TIMBER CREEK	ζ.	05CA009
Task:	Contract				FP-3
Work Comple	eted:	18-Feb-05			
	Salary		\$0.00		
	Vehicle		\$0.00	•	
	Travel		\$0.00		
	Materials		\$0.00		
	Contracts		\$397.00		
	TOTAL:		\$397.00	/	
Station Name:	REDEARTH CR	EEK NEAR RED EA	RTH CREEK		07JC002
Task:	Site inspection, he	at tape	, /		FP-3
Work Comple	eted:	28-Jul-04			(-
	Salary		\$125.40		
	Vehicle		\$57.24		
	Travel		\$56.31		
	Materials		\$0.00		
	Contracts		\$0.00		
	TOTAL:		\$238.96		
Station Name:	TOMAHAWK C	REEK NEAR TOMA	HAWK		05DE009
Task:	Site maint		V		FP-3
Work Comple	eted:	15-Dec-04			1
	Salary		\$256.97		(
	Vehicle		\$61.48		
	Travel		\$130.31		
	Materials		\$125.00		
	Contracts		\$0.00		
	TOTAL:		\$573.76		
Station Name:	WAIPAROUS CI	REEK NEAR THE M	оитн 🇸		05BG006
Task: Work Comple	Upgrade wood star	ve shelter 07-Jul-04			FP ₇ 3
	Salary		\$910.00		
	Vehicle		\$170.00		
	Travel		\$22.60		
	Materials		\$2,850.57		
	Contracts		\$0.00		
	TOTAL:		\$3,953.17		

Station Name:	WASKASOO CREE	K AT RED DEER			05CC011
Task:	Site repair				FP-3
Work Comple	ted:	19-Aug-04			1
	Salary		\$1,605.89		
	Vehicle		\$277.75		
	Travel		\$468.88		
	Materials		\$1,879.18		
	Contracts		\$0.00		
	TOTAL:		\$4,231.70		
Station Name:	WEST ARROWWO	OD CREEK NEAR	ARROWWOOI	D 🗸	05BM014
Task:	Site repair				FP-3
Work Comple		01-Mar-05			1
	Salary		\$1,212.90		
	Vehicle		\$204.80		
	Travel		\$132.00		
	Materials		\$960.00		
	Contracts		\$0.00		
	TOTAL:		\$2,509.70	/	
Station Name:	WEST PRAIRIE RI	VER NEAR HIGH	PRAIRIE ,	,	07BF002
Task:	Shelter Relocation		V		FP-3
Work Comple		30-Jul-04			\
•	Salary		\$1,335.19		·
	Vehicle		\$388.59		
	Travel		\$399.99		
	Materials		\$477.52		
	Contracts		\$0.00		
	TOTAL:		\$2,601.30		
Station Name:	WEST WHITEMUE	CREEK NEAR IR	ETON		05DF007
Task:	Site maint		\vee		FP-3
Work Comple		14-Dec-04			,
*	Salary		\$256.97		
	Vehicle		\$61.48		
	Travel		\$130.31		
	Materials		\$125.00		
	Contracts		\$0.00		
	TOTAL:		\$573.76		

Station Name:	WOLF RIVER AT C	OUTLET OF WOLF LAKE	06AB002
Task:	Replaced gauge shelte	er /	FP-3
Work Compl	eted:	31-Aug-04	
	Salary	\$865.68	
	Vehicle	\$283.14	- 19
	Travel	\$441.72	
	Materials	\$391.25	
	Contracts	\$4,000.00	
	TOTAL:	\$5,981.79	
Station Name:	ATHABASCA RIVI	ER AT ATHABASCA	07BE001
Tooks	Orifica Danlacement	\checkmark	P-1
Task: Work Compl	Orifice Replacement eted:	17-Oct-04	1-1
	Salary	\$743.26	
	Vehicle	\$420.00	
	Travel	\$318.18	
	Materials	\$612.50	
	Contracts	\$0.00	
	TOTAL:	\$2,093.94	
Station Name:	BLACKMUD CREE	EK NEAR ELLERSLIE	05DF003
			D 1
Task:	Site repair	14 D 04	P-1
Work Compl		14-Dec-04	
	Salary	\$256.97	
	Vehicle	\$61.48	
	Travel	\$130.31	
	Materials	\$0.00	
	Contracts	\$0.00	
	TOTAL:	\$448.76	
Station Name:	BLINDMAN RIVER	R NEAR BLACKFALDS	05CC001
Task:	Contract	\checkmark	P-1
Work Compl		03-Feb-05	
	Salary	\$0.00	
	Vehicle	\$0.00	
	Travel	\$0.00	
	Materials	\$0.00	
	Contracts	\$6,560.00	
	TOTAL:	\$6,560.00	

			0.0011.00
Station Name:	BLOOD INDIAN	N CREEK NEAR CABIN LAKE	05CK007
Task:	De-Mouse		P-1
Work Comple	eted:	03-Nov-04	
	Salary	\$250.38	
	Vehicle	\$76.42	
	Travel	\$140.79	
	Materials	\$45.00	
	Contracts	\$0.00	
	TOTAL:	\$512.59	
Station Name:	BULLSHEAD R	ESERVOIR near ELKWATER	05AH057
Task:	Dessert Box	\checkmark	P-1
Work Comple		28-Apr-04	
	Salary	\$791.28	
	Vehicle	\$233.23	
	Travel	\$354.46	
	Materials	\$1,922.77	
	Contracts	\$0.00	
	TOTAL:	\$3,301.74	
Station Name:	CAVAN LAKE	DIVERSION NEAR DUNMORE ,	05AH048
		DIVERSION NEAR DUNMORE	05AH048 P-1
Station Name: Task: Work Comple	Dessert Box	DIVERSION NEAR DUNMORE 30-Apr-04	
Task:	Dessert Box eted:	30-Apr-04	
Task:	Dessert Box eted: Salary	30-Apr-04 \$1,025.31	
Task:	Dessert Box eted:	30-Apr-04	
Task:	Dessert Box eted: Salary Vehicle	30-Apr-04 \$1,025.31 \$297.42 \$394.43	
Task:	Dessert Box eted: Salary Vehicle Travel	30-Apr-04 \$1,025.31 \$297.42	
Task:	Dessert Box eted: Salary Vehicle Travel Materials	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77	
Task: Work Comple	Dessert Box eted: Salary Vehicle Travel Materials Contracts TOTAL:	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77 \$0.00	
Task: Work Comple	Dessert Box eted: Salary Vehicle Travel Materials Contracts TOTAL:	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77 \$0.00 \$4,129.93	P-1
Task: Work Comple	Dessert Box eted: Salary Vehicle Travel Materials Contracts TOTAL: CYPRESS VIEW	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77 \$0.00 \$4,129.93	P-1 05AH054
Task: Work Comple Station Name: Task:	Dessert Box eted: Salary Vehicle Travel Materials Contracts TOTAL: CYPRESS VIEW	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77 \$0.00 \$4,129.93 W RESERVOIR NR ELKWATER	P-1 05AH054
Task: Work Comple Station Name: Task:	Dessert Box eted: Salary Vehicle Travel Materials Contracts TOTAL: CYPRESS VIEW New Station eted:	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77 \$0.00 \$4,129.93 W RESERVOIR NR ELKWATER 26-May-04	P-1 05AH054
Task: Work Comple Station Name: Task:	Dessert Box eted: Salary Vehicle Travel Materials Contracts TOTAL: CYPRESS VIEW New Station eted: Salary	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77 \$0.00 \$4,129.93 W RESERVOIR NR ELK WATER 26-May-04 \$799.70	P-1 05AH054
Task: Work Comple Station Name: Task:	Dessert Box eted: Salary Vehicle Travel Materials Contracts TOTAL: CYPRESS VIEW New Station eted: Salary Vehicle	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77 \$0.00 \$4,129.93 V RESERVOIR NR ELK WATER 26-May-04 \$799.70 \$233.96	P-1 05AH054
Task: Work Comple Station Name: Task:	Dessert Box eted: Salary Vehicle Travel Materials Contracts TOTAL: CYPRESS VIEW New Station eted: Salary Vehicle Travel	30-Apr-04 \$1,025.31 \$297.42 \$394.43 \$2,412.77 \$0.00 \$4,129.93 V RESERVOIR NR ELKWATER 26-May-04 \$799.70 \$233.96 \$334.51	P-1 05AH054

Station Name:	DICKSON DAM	I TUNNEL OUTLET	05CB007
Task: Work Compl	Cableway mainten	nance, Site repair 27-Jan-05	P-1
•	Salary	\$406.16	
	Vehicle	\$180.31	
	Travel	\$258.72	
	Materials	\$50.00	
	Contracts	\$0.00	
	TOTAL:	\$895.20	
			0471001
Station Name:	ELBOW RIVER	BELOW GLENMORE DAM	05BJ001
Task:	Fall Arrest		P-1
Work Compl	leted:	19-Aug-04	
	Salary	\$1,205.41	
	Vehicle	\$10.40	
	Travel	\$0.00	
	Materials	\$830.00	
	Contracts	\$81.32	
	TOTAL:	\$2,127.13	
Station Name:	GHOST RIVER	ABOVE WAIPAROUS CREEK	05BG010
Task: Work Compl		r, upgrade to pressure system 22-Jul-04	P-1
	Salary	\$1,325.33	
	Vehicle	\$284.80	
	Travel	\$67.80	
	Materials	\$2,925.00	
	Contracts	\$230.00	
	TOTAL:	\$4,832.93	
Station Name:	GREGG RIVER	NEAR THE MOUTH	07AF015
Task: Work Compl	Site inspection - Fleted:	Plumbing 01-Oct-04	P-1
	Salary	\$140.03	
	Vehicle	\$32.22	
	Travel	\$43.02	
	Materials	\$0.00	
	Contracts	\$0.00	
	TOTAL:	\$215.27	

Station Name:	GULL LAKE AT	ASPEN BEACH		05CC006
Task:	Site maint			P-1
Work Comple		16-Dec-04		
•	Salary	\$44	6.35	
	Vehicle	•	33.49	
	Travel		50.15	
	Materials		34.50	
	Contracts	***	30.00	
	TOTAL:	\$1,35	5 4.48 ,	
Station Name:	HIGHWOOD RI	VER BELOW LITTLE BOW	CANAL	05BL004
Task:	Cita mamain			P-1
Work Comple	Site repair	21-Oct-04		1 -1
	Salary		75.20	
	Vehicle	* '	60.00	
	Travel		5.18	
	Materials	•	25.00	
	Contracts		60.00	
	TOTAL:	\$24	15.38	
		/		
Station Name:	JACKPINE CRE	EK AT WADLIN KAKE ROA	4 D	07JD003
Task:	Mpl inspection			P-1
Work Comple	eted:	29-Jul-04		
	Salary	\$37	76.20	
	Vehicle	\$17	11.73	
	Travel	\$16	58.94	
	Materials	\$7	72.00	
	Contracts	\$74	12.75	
	TOTAL:	\$1,53	31.63	
Station Name:	LAC LA NONNE	E AT LAC LA NONNE		07BB007
Task:	Manual gauge upg	rade		P-1
Work Comple	eted:	07-Oct-04		
	Salary		53.33	
	Vehicle		34.51	
	Travel		57.56	
	Materials	\$1,45	2.82	
	Contracts	\$	60.00	
	TOTAL:	\$2,75	58.22	

Station Name:	I AC STE ANNI	E AT ALBERTA BEACH	05EA006
	,	•	
Task: Work Comple	Manual gauge upg	grade 07-Oct-04	P-1
work compr	Salary	\$863.33	
	Vehicle	\$184.51	
	Travel	\$257.56	
	Materials	\$1,254.63	
	Contracts	\$0.00	
	TOTAL:	\$2,560.03	
Station Name:	LILY CREEK NI	EAR SLAVE LAKE	07BG004
Task:	MpI inspection		P-1
Work Comple	eted:	27-Jul-04	
	Salary	\$376.20	
	Vehicle	\$171.73	
	Travel	\$168.94	
	Materials	\$72.00	
	Contracts	\$264.83	
	TOTAL:	\$1,053.71	
Station Name:	LITTLE RED DE	EER RIVER NEAR THE MOUTH	05CB001
Task:	Site Maint		P-1
Work Comple		16-Dec-04	
	Salary	\$298.95	
	Vehicle	\$138.14	
	Travel	\$189.40	
	Materials	\$15.00	
	Contracts	\$0.00	•
	TOTAL:	\$641.48	
Station Name:	MacKAY CREE	K RESERVOIR near ELKWATER	05AH056
Task:	Dessert Box	·	P-1
Work Comple		29-Apr-04	
	Salary	\$755.93	
	Vehicle	\$219.19	
	Travel	\$289.59	
	Materials	\$1,966.27	
	Contracts	\$0.00	
	TOTAL:	\$3,230.98	

Station Name: McALPINE CREEK	RESERVOIR NR ELWATER	05AH055
Task: New Station		P-1
Work Completed:	26-May-04	• •
Salary	\$728.79	
Vehicle	\$211.35	
Travel	\$279.60	
Materials	\$1,966.27	
Contracts	\$0.00	
TOTAL:	\$3,186.00	
Station Name: MOORE LAKE NEA	AR COLD LAKE	06AC002
Task: Relocation		P-1
Work Completed:	01-Sep-04	
Salary	\$541.05	
Vehicle	\$176.96	
Travel	\$276.08	
Materials	\$592.50	
Contracts	\$0.00	
TOTAL:	\$1,586.59	
Station Name: MOOSEHILLS CRE	EK NEAR ELK POINT	05ED003
Task: Heat cable replacement Work Completed:	nt 10-Nov-04	P-1
•		
Salary Vehicle	\$1,230.81 \$528.88	
Travel	\$766.42	
Materials	\$1,181.00	
Contracts	\$0.00	
TOTAL:	\$3,707.12	
Station Name: MOSQUITO CREEK	NEAR THE MOUTH	05AC031
Task: Fall arrest	<i>y</i>	P-1
Work Completed:	18-Aug-04	
Salary	\$768.14	
Vehicle	\$290.80	
Travel	\$45.20	
Materials	\$579.00	
Contracts	\$45.00	
TOTAL:	\$1,728.14	

Station Name:	PIGEON LAKE	AT GRANDVIEW	05FA013
Task: Work Comp	Manual Gauge Up	pgrade 26-Jun-04	P-1
	Salary	\$1,215.33	
	Vehicle	\$227.49	
	Travel	\$551.23	
	Materials	\$2,387.77	
	Contracts	\$ 0.00	
	TOTAL:	\$4,381.82	
Station Name:	: PONY CREEK N	NEAR CHARD	07CE003
Task: Work Comp	shelter maintenand	ce 17-Mar-05	P-1
·	Salary	\$251.62	
	Vehicle	\$90.88	
	Travel	\$233.76	
	Materials	\$130.00	
	Contracts	\$1,989.57	
	TOTAL:	\$2,695.83	
Station Name:	ROSS CREEK N	NEAR IRVINE	05AH003
Task: Work Comp		ued station for remediation 24-Jan-05	
	Salary	\$151.32	5/16
	Vehicle	\$67.18	
	Travel	\$96.39	
	Materials	\$0.00	
	Contracts	\$0.00	
	TOTAL:	\$314.88	
Station Name:	SOUNDING CR	EEK NEAR OYEN	05GA008
Task: Work Comp	Site Repair leted:	29-Oct-04	P-1
	Salary	\$3,164.78	
	Vehicle	\$727.77	
	Travel	\$1,307.10	
	Materials	\$1,800.30	
	Contracts	\$0.00	
	TOTAL:	\$6,999.95	

Station Name:	SPRUCE COUL	EE RESERVOIR near ELK	.WATER	05AH058
Task:	New Station			P-1
Work Compl	eted:	26-May-04		
	Salary		5916.72	
	Vehicle		\$266.05	
	Travel		354.49	
	Materials	\$1	,966.27	
	Contracts		\$0.00	
	TOTAL:	\$3	,503.53	
Station Name:	STURGEON LA	KE NEAR VALLEYVIEW	'	07GH003
Task:	Manual Gauge Up	grade		P-1
Work Comple	eted:	27-Jul-04		
	Salary		5481.73	
	Vehicle		5140.20	
	Travel		5144.32	
	Materials	\$1	,712.92	
	Contracts	,	\$0.00	
	TOTAL:	/\$2	,479.17	
Station Name:	SYLVAN LAKE	AT SYLVAN LAKE		05CC003
Task: Work Comple	Manual Gauge Up	ograde 25-Jun-04		P-1
•	Salary	S	8939.34	
	Vehicle		3113.33	
	Travel	9	378.16	
	Materials		,840.43	
	Contracts		\$0.00	
	TOTAL:	_/ \$3	,271.26	
Station Name:	UTIKUMA LAK	E NEAR NIPISI		07JA001
Task:	Manual Gauge Up	v V		P-1
Work Comple		28-Jul-04		
·	Salary	\$1	,316.71	
	Vehicle		6601.05	
	Travel	\$	5591.31	
	Materials		,465.52	
	Contracts		\$0.00	
	TOTAL:	\$4	,974.59	

Ca at a Diaman	WAD AND TAKE	ATTIVADA) GDI	05DE002
Station Name:	WABAMUN LAKE	AT WABAMUN	03DE002
Task: F Work Complete	Reconn, Station relocated:	ation 16-Dec-04	P-1
	Salary	\$342.63	
	Vehicle	\$81.97	
	Travel	\$173.74	
	Materials	\$0.00	
	Contracts	\$0.00	
	TOTAL:	, \$598.34	
Station Name:	WAMPUS CREEK 1	NEAR HINTON	07AF003
Task: S Work Complete	Shelter upgrade, Fall a	arrest 17-Sep-04	P-1
	Salary	\$2,296.21	
	Vehicle	\$636.40	
	Travel	\$1,085.62	
	Materials	\$1,108.00	
	Contracts	\$0.00	
	TOTAL:	\$5,126.23	
Station Name:	WINAGAMI LAKE	AT PROVINCIAL PARK	07BF006
Task: N	Manual Gauge Upgrad	de	P-1
Work Complete		29-Jul-04	
	Salary	\$730.62	
	Vehicle	\$212.64	
	Travel	\$218.88	
	Materials	\$1,705.77	
	Contracts	\$0.00	•
	TOTAL:	\$2,867.91	

SUMMARY OF ANNUAL STATION EXPENSES

Salary	\$45,989.67~
Vehicle	\$13,163.58
Travel	\$16,574.78
Materials	\$52,969.86
Contracts	\$29,286.56

Grand Total \$157,984.45

Appendix A: Construction Photos

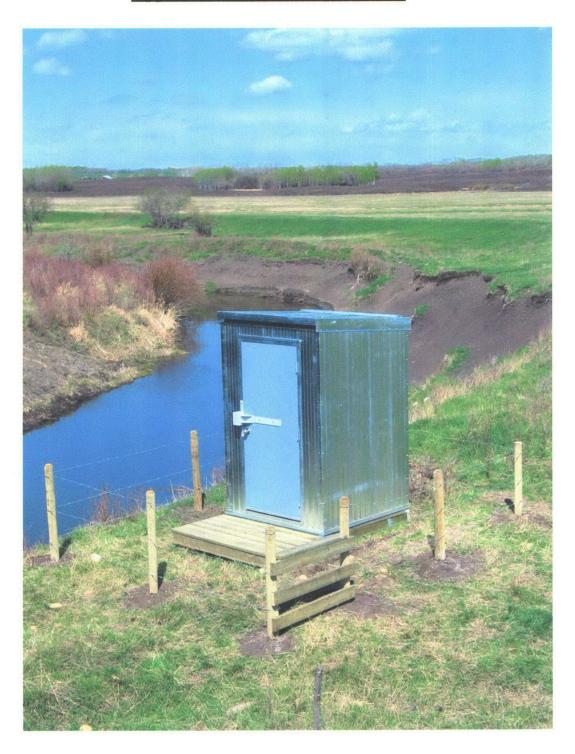


Figure 1: Little Paddle River Maverthorne - 07BB005

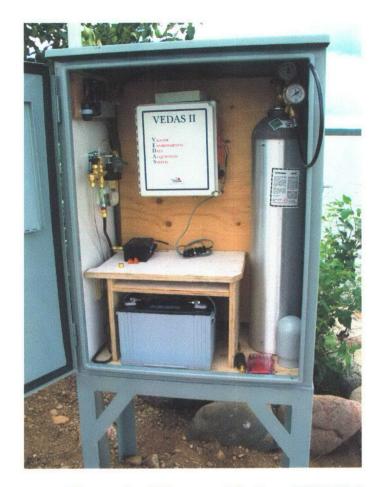


Figure 2: Winagami Lake - 07BF006



Figure 3: Blindman Blackfaulds - 05CC001



Figure 4: Cadotte River - 07HB001



Figure 5: Shelter Upgrades

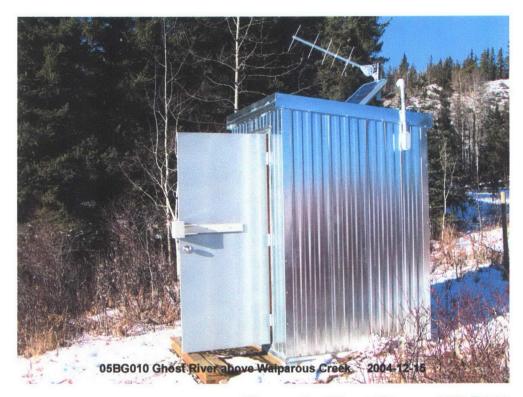


Figure 6: Ghost River - 05BG010



Figure 7: Magnetic Particle Inspections