

**ALBERTA
CONSTRUCTION AND MAINTENANCE
ANNUAL REPORT
2002/2003**

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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, 2002 to March 31, 2003 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 2002/03 CONSTRUCTION PROGRAM

Projects this fiscal year were carried out at 92 gauging stations. This included remediation work at several discontinued cableway sites, manual gauge upgrades and shelter upgrade/repair projects involving several heat cable replacements/repairs, orifice line replacements and station relocations.

Major projects undertaken during the year were related to cableway inspections, installation of safety lanyards and the magnetic particle testing of anchor points at 36 Alberta sites.

4.0 DISTRIBUTION OF COSTS

Table 1: Summary of fiscal year expenditures by designation

2002/2003 CONSTRUCTION PROJECTS AND COSTS BY DESIGNATION			
	COUNT	DESIGNATION	COST
	13	FEDERAL	\$ 21,008.50
	44	FEDERAL-PROVINCIAL	\$ 54,837.11
	35	PROVINCIAL	\$ 51,234.02
Totals:	92		\$ 127,079.63
<hr/>			
Federal Portion:	\$ 48,427.06	(38%)	
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Provincial Portion:	\$ 78,652.57	(62%)	
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Table 2: Distribution of Federal Maintenance Costs

2002/03		FED		MAINTENANCE COST		
Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share	
BOW RIVER AT BANFF	05BB001	F	\$469.98	\$469.98	\$0.00	
MISTAYA RIVER NEAR SASKATCHEWAN CROSSING	05DA007	F	\$191.57	\$191.57	\$0.00	
NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT	05DA009	F	\$2,199.66	\$2,199.66	\$0.00	
PEKISKO CREEK NEAR LONGVIEW	05BL023	F	\$1,158.96	\$1,158.96	\$0.00	
SILVERHORN CREEK NEAR THE MOUTH	05DA010	F	\$191.57	\$191.57	\$0.00	
WATERTON RIVER NEAR WATERTON PARK	05AD003	F	\$6,014.49	\$6,014.49	\$0.00	
BOW RIVER AT CALGARY	05BH004	F	\$5,288.15	\$5,288.15	\$0.00	
BOXELDER CREEK AT HARGRAVE'S RANCH	05AH050	F	\$1,281.34	\$1,281.34	\$0.00	
ONETREE CREEK NEAR PATRICIA	05CJ006	F	\$67.69	\$67.69	\$0.00	
RED DEER RIVER AT RED DEER	05CC002	F	\$464.21	\$464.21	\$0.00	
ROSEBUD RIVER AT REDLAND	05CE005	F	\$261.01	\$261.01	\$0.00	
ST. MARY RIVER AT INTERNATIONAL BOUNDARY	05AE027	F	\$1,695.44	\$1,695.44	\$0.00	
PRAIRIE BLOOD COULEE NEAR LETHBRIDGE	05AD035	F	\$1,724.44	\$1,724.44	\$0.00	
TOTAL	FED	MAINTENANCE COST	\$21,008.50	\$21,008.50	\$0.00	

Table 3: Distribution of Federal-Provincial Maintenance Costs**2002/2003 FED-PROV MAINTENANCE COST**

Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share
BELLY RIVER NEAR MOUNTAIN VIEW	05AD005	FP	\$1,724.44	\$862.22	\$862.22
HIGHWOOD RIVER NEAR THE MOUTH	05BL024	FP	\$1,704.49	\$852.24	\$852.24
LEE CREEK AT CARDSTON	05AE002	FP	\$3,320.83	\$1,660.41	\$1,660.41
MCLEOD RIVER NEAR ROSEVEAR	07AG007	FP	\$1,441.67	\$720.83	\$720.83
SWAN RIVER NEAR KINUSO	07BJ001	FP	\$1,441.67	\$720.83	\$720.83
BOYER RIVER NEAR PADDLE PRAIRIE	07JF004	FP	\$432.11	\$216.06	\$216.06
BRAZEAU RIVER BELOW CARDINAL RIVER	05DD007	FP	\$1,441.67	\$720.83	\$720.83
CHRISTMAS CREEK NEAR BLUE RIDGE	07AH002	FP	\$457.11	\$228.56	\$228.56
CLEARWATER RIVER NEAR DOVERCOURT	05DB006	FP	\$1,200.80	\$600.40	\$600.40
COYOTE CREEK NEAR CHERHILL	07BB014	FP	\$424.43	\$212.22	\$212.22
CROWSNEST RIVER AT FRANK	05AA008	FP	\$572.13	\$286.07	\$286.07
DAPP CREEK AT HIGHWAY NO. 44	07BC006	FP	\$1,266.87	\$633.44	\$633.44
DRIFTWOOD RIVER NEAR THE MOUTH	07BK007	FP	\$318.12	\$159.06	\$159.06
GRANDE PRAIRIE CREEK NEAR SEXSMITH	07GE003	FP	\$457.11	\$228.56	\$228.56
GROS VENTRE CREEK NEAR DUNMORE	05AH037	FP	\$1,333.52	\$666.76	\$666.76
HEART RIVER NEAR NAMPA	07HA003	FP	\$4,861.33	\$2,430.67	\$2,430.67
HIGHWOOD RIVER AT DIEBEL'S RANCH	05BL019	FP	\$1,275.50	\$637.75	\$637.75
IOSEGUN RIVER NEAR LITTLE SMOKY	07GG003	FP	\$1,454.92	\$727.46	\$727.46
JAMES RIVER NEAR SUNDRE	05CA002	FP	\$1,295.22	\$647.61	\$647.61
KEG RIVER AT HIGHWAY NO. 35	07HF002	FP	\$1,485.68	\$742.84	\$742.84
LITTLE PADDLE RIVER NEAR MAYERTHORPE	07BB005	FP	\$2,409.89	\$1,204.95	\$1,204.95
LITTLE SMOKY RIVER AT LITTLE SMOKY	07GG002	FP	\$1,441.67	\$720.83	\$720.83
LOVETT RIVER NEAR THE MOUTH	07BA003	FP	\$1,441.67	\$720.83	\$720.83
MANYBERRIES CREEK AT BRODIN'S FARM	05AF010	FP	\$1,385.70	\$692.85	\$692.85
MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE	05FA014	FP	\$455.82	\$227.91	\$227.91
MCLEOD RIVER ABOVE EMBARRAS RIVER	07AF002	FP	\$1,484.67	\$742.33	\$742.33
MEDICINE RIVER NEAR ECKVILLE	05CC007	FP	\$1,053.05	\$526.52	\$526.52
MONTAGNEUSE RIVER NEAR HINES CREEK	07FD012	FP	\$1,880.19	\$940.10	\$940.10
NOTIKWIN RIVER AT MANNING	07HC001	FP	\$1,500.83	\$750.41	\$750.41
PEIGAN CREEK NEAR PAKOWKI ROAD	05AH041	FP	\$1,209.34	\$604.67	\$604.67
PINCHER CREEK AT PINCHER CREEK	05AA004	FP	\$566.00	\$283.00	\$283.00
PINE CREEK NEAR GRASSLAND	07CA005	FP	\$858.87	\$429.44	\$429.44
RED DEER RIVER BELOW BURNT TIMBER CREEK	05CA009	FP	\$1,374.46	\$687.23	\$687.23
RENWICK CREEK NEAR THREE HILLS	05CE011	FP	\$309.62	\$154.81	\$154.81
SAGE CREEK AT Q RANCH NEAR WILDHORSE	11AA026	FP	\$1,313.30	\$656.65	\$656.65
SHEEP RIVER AT BLACK DIAMOND	05BL014	FP	\$551.00	\$275.50	\$275.50
TOMAHAWK CREEK NEAR TOMAHAWK \$210.72	05DE009	FP	\$421.43	\$210.72	
WABASH CREEK NEAR PIBROCH	07BC007	FP	\$457.66	\$228.83	\$228.83
WAIPAROUS CREEK NEAR THE MOUTH	05BG006	FP	\$1,234.79	\$617.39	\$617.39
WANDERING RIVER NEAR WANDERING RIVER	07CA006	FP	\$1,972.64	\$986.32	\$986.32
WASKASOO CREEK AT RED DEER	05CC011	FP	\$429.25	\$214.62	\$214.62
WEST PRAIRIE RIVER NEAR HIGH PRAIRIE	07BF002	FP	\$1,405.67	\$702.83	\$702.83
WEST WHITEMUD CREEK NEAR IRETON	05DF007	FP	\$269.19	\$134.59	\$134.59
WHITEMUD RIVER NEAR DIXONVILLE	07HA005	FP	\$1,500.83	\$750.41	\$750.41

Table 4: Distribution of Provincial Maintenance Costs

2002/2003		PROV		MAINTENANCE COST		
Station Name	Station ID	DESIG	Total Expense	Fed Share	Prov Share	
BEAR RIVER NEAR VALHALLA CENTRE	07GE007	P	\$457.11	\$0.00	\$457.11	
BEAVERLODGE RIVER NEAR BEAVERLODGE	07GD001	P	\$457.11	\$0.00	\$457.11	
BELLY RIVER NEAR GLENWOOD	05AD041	P	\$1,065.18	\$0.00	\$1,065.18	
BERLAND RIVER NEAR THE MOUTH	07AC007	P	\$3,963.82	\$0.00	\$3,963.82	
BERRY CREEK NEAR THE MOUTH	05CH007	P	\$661.61	\$0.00	\$661.61	
BLACKMUD CREEK NEAR ELLERSLIE	05DF003	P	\$409.19	\$0.00	\$409.19	
BLINDMAN RIVER NEAR BLACKFALDS	05CC001	P	\$371.01	\$0.00	\$371.01	
BUFFALO LAKE NEAR ERSKINE	05CD005	P	\$610.21	\$0.00	\$610.21	
BULLPOUND CREEK NEAR THE MOUTH	05CG003	P	\$1,674.36	\$0.00	\$1,674.36	
CALLING LAKE AT RANGER STATION	07CB001	P	\$4,201.83	\$0.00	\$4,201.83	
CHIP LAKE NEAR NORTHVILLE	07BB008	P	\$1,199.04	\$0.00	\$1,199.04	
DICKSON DAM TUNNEL OUTLET	05CB007	P	\$1,172.80	\$0.00	\$1,172.80	
EAST PRAIRIE RIVER NEAR ENILDA	07BF001	P	\$1,369.67	\$0.00	\$1,369.67	
EID EAST BRANCH CANAL NR LATHAM	05CJ003	P	\$366.36	\$0.00	\$366.36	
EID NORTH BRANCH CANAL NR BASSANO	05CJ001	P	\$366.36	\$0.00	\$366.36	
EID SPRINGHILL CANAL	05CJ004	P	\$366.36	\$0.00	\$366.36	
ELBOW RIVER ABOVE ELBOW FALLS	05BJ006	P	\$1,195.00	\$0.00	\$1,195.00	
ELKWATER LAKE AT ELKWATER	05AH025	P	\$4,352.02	\$0.00	\$4,352.02	
EMBARRAS RIVER NEAR WEALD	07AF014	P	\$1,441.67	\$0.00	\$1,441.67	
GHOST RIVER ABOVE WAIPAROUS CREEK	05BG010	P	\$210.44	\$0.00	\$210.44	
GOLD CREEK NEAR FRANK	05AA030	P	\$664.20	\$0.00	\$664.20	
HAYNES CREEK NEAR HAYNES	05CD006	P	\$376.01	\$0.00	\$376.01	
ISLE LAKE AT EUREKA BEACH	05EA008	P	\$4,232.91	\$0.00	\$4,232.91	
JUMPINGPOUND CREEK NEAR THE MOUTH	05BH009	P	\$1,145.37	\$0.00	\$1,145.37	
KENNEDY COULEE NEAR ACADIA VALLEY	05CK006	P	\$3,277.02	\$0.00	\$3,277.02	
KNEEHILLS CREEK NEAR DRUMHELLER	05CE002	P	\$246.01	\$0.00	\$246.01	
LITTLE SMOKY RIVER NEAR GUY	07GH002	P	\$3,962.49	\$0.00	\$3,962.49	
MCLEOD RIVER NEAR WHITECOURT	07AG004	P	\$1,599.67	\$0.00	\$1,599.67	
OLDMAN RIVER NEAR THE MOUTH	05AG006	P	\$1,209.34	\$0.00	\$1,209.34	
PADDLE RIVER AT BARRHEAD	07BB006	P	\$730.89	\$0.00	\$730.89	
RED DEER RIVER ABOVE PANTHER RIVER	05CA004	P	\$1,374.46	\$0.00	\$1,374.46	
ST. MARY RIVER NEAR LETHBRIDGE	05AE006	P	\$1,695.44	\$0.00	\$1,695.44	
WABAMUM CREEK NEAR DUFFIELD	05DE003	P	\$1,508.60	\$0.00	\$1,508.60	
WATERTON RIVER NEAR GLENWOOD	05AD028	P	\$2,111.13	\$0.00	\$2,111.13	
WHITEMUD CREEK NEAR ELLERSLIE	05DF006	P	\$1,189.34	\$0.00	\$1,189.34	
TOTAL PROV			\$51,234.02	\$0.00	\$51,234.02	

Table 5: Detailed Annual Station Cost Breakdown

2002/2003 Annual Station Cost Breakdown

Station Name: BOW RIVER AT BANFF	05BB001
Task: Cableway repair	F-1
Work Completed: 13-Jun-02	
Salary	\$236.21
Vehicle	\$146.12
Travel	\$87.65
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$469.98
Station Name: MISTAYA RIVER NEAR SASKATCHEWAN CROSSING	05DA007
Task: Site Inspection	F-1
Work Completed: 12-Jun-02	
Salary	\$96.28
Vehicle	\$59.56
Travel	\$35.73
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$191.57
Station Name: NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT	05DA009
Task: Contract Job - Movie Project	F-1
Work Completed: 02-Jun-02	
Salary	\$1,366.72
Vehicle	\$232.00
Travel	\$20.90
Materials	\$556.50
Contracts	\$23.54
TOTAL:	\$2,199.66
Station Name: PEKISKO CREEK NEAR LONGVIEW	05BL023
Task: Mpi Inspections	F-1
Work Completed: 31-Jan-03	
Salary	\$637.90
Vehicle	\$36.60
Travel	\$24.78
Materials	\$0.00
Contracts	\$459.68
TOTAL:	\$1,158.96

2002/2003 Annual Station Cost Breakdown

Station Name:	SILVERHORN CREEK NEAR THE MOUTH	05DA010
Task:	Site Inspection	F-1
Work Completed:	12-Jun-02	
	Salary	\$96.28
	Vehicle	\$59.56
	Travel	\$35.73
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$191.57
Station Name:	WATERTON RIVER NEAR WATERTON PARK	05AD003
Task:	Site repair	F-1
Work Completed:	22-Aug-02	
	Salary	\$2,757.19
	Vehicle	\$720.61
	Travel	\$1,240.18
	Materials	\$1,196.51
	Contracts	\$100.00
	TOTAL:	\$6,014.49
Station Name:	BOW RIVER AT CALGARY	05BH004
Task:	Site relocation	F-2
Work Completed:	02-Dec-02	
	Salary	\$478.95
	Vehicle	\$12.00
	Travel	\$0.00
	Materials	\$15.00
	Contracts	\$4,782.20
	TOTAL:	\$5,288.15
Station Name:	BOXELDER CREEK AT HARGRAVE'S RANCH	05AH050
Task:	Mpi Inspection	F-2
Work Completed:	05-Mar-03	
	Salary	\$343.99
	Vehicle	\$233.07
	Travel	\$307.74
	Materials	\$72.00
	Contracts	\$324.55
	TOTAL:	\$1,281.34

2002/2003 Annual Station Cost Breakdown

Station Name:	ONETREE CREEK NEAR PATRICIA	05CJ006
Task:	Site inspection	F-2
Work Completed:	17-Oct-02	
	Salary	\$41.86
	Vehicle	\$13.50
	Travel	\$12.33
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$67.69
 Station Name:	 RED DEER RIVER AT RED DEER	 05CC002
Task:	Site repair	F-2
Work Completed:	17-Jun-02	
	Salary	\$209.38
	Vehicle	\$75.68
	Travel	\$64.15
	Materials	\$115.00
	Contracts	\$0.00
	TOTAL:	\$464.21
 Station Name:	 ROSEBUD RIVER AT REDLAND	 05CE005
Task:	Site repair	F-2
Work Completed:	30-May-02	
	Salary	\$138.60
	Vehicle	\$38.68
	Travel	\$43.73
	Materials	\$40.00
	Contracts	\$0.00
	TOTAL:	\$261.01
 Station Name:	 ST. MARY RIVER AT INTERNATIONAL BOUNDARY	 05AE027
Task:	Mpi Inspections	F-3
Work Completed:	12-Feb-03	
	Salary	\$497.84
	Vehicle	\$80.30
	Travel	\$178.86
	Materials	\$115.00
	Contracts	\$823.44
	TOTAL:	\$1,695.44

2002/2003 Annual Station Cost Breakdown

Station Name:	PRAIRIE BLOOD COULEE NEAR LETHBRIDGE	05AD035
Task:	Mpi Inspection	F-4
Work Completed:	11-Feb-03	
	Salary	\$497.84
	Vehicle	\$80.30
	Travel	\$178.86
	Materials	\$144.00
	Contracts	\$823.44
	TOTAL:	\$1,724.44
 Station Name:	 BELLY RIVER NEAR MOUNTAIN VIEW	 05AD005
Task:	Mpi Inspections	FP-2
Work Completed:	12-Feb-03	
	Salary	\$497.84
	Vehicle	\$80.30
	Travel	\$178.86
	Materials	\$144.00
	Contracts	\$823.44
	TOTAL:	\$1,724.44
 Station Name:	 HIGHWOOD RIVER NEAR THE MOUTH	 05BL024
Task:	Mpi Inspections	FP-2
Work Completed:	31-Jan-03	
	Salary	\$1,002.09
	Vehicle	\$67.90
	Travel	\$57.82
	Materials	\$117.00
	Contracts	\$459.68
	TOTAL:	\$1,704.49
 Station Name:	 LEE CREEK AT CARDSTON	 05AE002
Task:	Site repair	FP-2
Work Completed:	23-Aug-02	
	Salary	\$1,940.97
	Vehicle	\$432.00
	Travel	\$694.86
	Materials	\$253.00
	Contracts	\$0.00
	TOTAL:	\$3,320.83

2002/2003 Annual Station Cost Breakdown

Station Name: MCLEOD RIVER NEAR ROSEVEAR		07AG007
Task: Mpi Inspection		FP-2
Work Completed:	28-Mar-03	
Salary		\$546.92
Vehicle		\$134.17
Travel		\$188.58
Materials		\$72.00
Contracts		\$500.00
TOTAL:		\$1,441.67
Station Name: SWAN RIVER NEAR KINUSO		07BJ001
Task: Mpi inspections		FP-2
Work Completed:	29-Mar-03	
Salary		\$546.92
Vehicle		\$134.17
Travel		\$188.58
Materials		\$72.00
Contracts		\$500.00
TOTAL:		\$1,441.67
Station Name: BOYER RIVER NEAR PADDLE PRAIRIE		07JF004
Task: Install lock bar and Site Inspection		FP-3
Work Completed:	02-Oct-02	
Salary		\$165.93
Vehicle		\$95.17
Travel		\$66.01
Materials		\$105.00
Contracts		\$0.00
TOTAL:		\$432.11
Station Name: BRAZEAU RIVER BELOW CARDINAL RIVER		05DD007
Task: Mpi inspection		FP-3
Work Completed:	27-Mar-03	
Salary		\$546.92
Vehicle		\$134.17
Travel		\$188.58
Materials		\$72.00
Contracts		\$500.00
TOTAL:		\$1,441.67

2002/2003 Annual Station Cost Breakdown

Station Name:	CHRISTMAS CREEK NEAR BLUE RIDGE	07AH002
Task:	Install Pilot switch and lock bar	FP-3
Work Completed:	04-Oct-02	
	Salary	\$165.93
	Vehicle	\$95.17
	Travel	\$66.01
	Materials	\$130.00
	Contracts	\$0.00
	TOTAL:	\$457.11
 Station Name:	 CLEARWATER RIVER NEAR DOVERCOURT	 05DB006
Task:	Mpi inspections	FP-3
Work Completed:	21-Mar-03	
	Salary	\$484.84
	Vehicle	\$126.00
	Travel	\$227.46
	Materials	\$100.00
	Contracts	\$262.50
	TOTAL:	\$1,200.80
 Station Name:	 COYOTE CREEK NEAR CHERHILL	 07BB014
Task:	Site repair	FP-3
Work Completed:	08-Aug-02	
	Salary	\$185.74
	Vehicle	\$47.72
	Travel	\$65.97
	Materials	\$125.00
	Contracts	\$0.00
	TOTAL:	\$424.43
 Station Name:	 CROWSNEST RIVER AT FRANK	 05AA008
Task:	Install Pilot switch, lock bar and site inspection	FP-3
Work Completed:	19-Sep-02	
	Salary	\$276.85
	Vehicle	\$43.20
	Travel	\$122.08
	Materials	\$130.00
	Contracts	\$0.00
	TOTAL:	\$572.13

2002/2003 Annual Station Cost Breakdown

Station Name: DAPP CREEK AT HIGHWAY NO. 44

07BC006

Task: Site repair
Work Completed: 22-Jul-02

Salary	\$411.62
Vehicle	\$75.60
Travel	\$171.65
Materials	\$608.00
Contracts	\$0.00
TOTAL:	\$1,266.87

FP-3

Station Name: DRIFTWOOD RIVER NEAR THE MOUTH

07BK007

Task: Install Pilot switch, Shelter repair
Work Completed: 30-Sep-02

Salary	\$165.93
Vehicle	\$61.18
Travel	\$66.01
Materials	\$25.00
Contracts	\$0.00
TOTAL:	\$318.12

FP-3

Station Name: GRANDE PRAIRIE CREEK NEAR SEXSMITH

07GE003

Task: Heat tape, Site repair
Work Completed: 01-Oct-02

Salary	\$165.93
Vehicle	\$95.17
Travel	\$66.01
Materials	\$130.00
Contracts	\$0.00
TOTAL:	\$457.11

FP-3

Station Name: GROS VENTRE CREEK NEAR DUNMORE

05AH037

Task: Mpi Inspections
Work Completed: 05-Mar-03

Salary	\$343.99
Vehicle	\$233.07
Travel	\$307.74
Materials	\$124.18
Contracts	\$324.55
TOTAL:	\$1,333.52

FP-3

2002/2003 Annual Station Cost Breakdown

Station Name:	HEART RIVER NEAR NAMPA	07HA003
Task:	Heat tape, Well repair	FP-3
Work Completed:	03-Oct-02	
	Salary	\$1,536.32
	Vehicle	\$363.50
	Travel	\$553.19
	Materials	\$1,290.00
	Contracts	\$1,118.32
	TOTAL:	\$4,861.33
 Station Name:	 HIGHWOOD RIVER AT DIEBEL'S RANCH	 05BL019
Task:	Mpi inspections	FP-3
Work Completed:	31-Jan-03	
	Salary	\$744.21
	Vehicle	\$42.70
	Travel	\$28.91
	Materials	\$0.00
	Contracts	\$459.68
	TOTAL:	\$1,275.50
 Station Name:	 IOSEGUN RIVER NEAR LITTLE SMOKY	 07GG003
Task:	Site repair	FP-3
Work Completed:	03-Jul-02	
	Salary	\$586.34
	Vehicle	\$103.60
	Travel	\$136.98
	Materials	\$628.00
	Contracts	\$0.00
	TOTAL:	\$1,454.92
 Station Name:	 JAMES RIVER NEAR SUNDRE	 05CA002
Task:	Mpi Inspection	FP-3
Work Completed:	06-Feb-03	
	Salary	\$336.09
	Vehicle	\$43.80
	Travel	\$95.58
	Materials	\$0.00
	Contracts	\$819.75
	TOTAL:	\$1,295.22

2002/2003 Annual Station Cost Breakdown

Station Name:	KEG RIVER AT HIGHWAY NO. 35	07HF002
Task:	Install pyrotenax w/pilot switch, Lock bar & intake repair	FP-3
Work Completed:	02-Oct-02	
	Salary	\$442.48
	Vehicle	\$95.17
	Travel	\$176.03
	Materials	\$772.00
	Contracts	\$0.00
	TOTAL:	\$1,485.68
 Station Name:	 LITTLE PADDLE RIVER NEAR MAYERTHORPE	 07BB005
Task:	Site remediation	FP-3
Work Completed:	06-Nov-02	
	Salary	\$1,409.20
	Vehicle	\$435.74
	Travel	\$464.95
	Materials	\$100.00
	Contracts	\$0.00
	TOTAL:	\$2,409.89
 Station Name:	 LITTLE SMOKY RIVER AT LITTLE SMOKY	 07GG002
Task:	Mpi inspections	FP-3
Work Completed:	28-Mar-03	
	Salary	\$546.92
	Vehicle	\$134.17
	Travel	\$188.58
	Materials	\$72.00
	Contracts	\$500.00
	TOTAL:	\$1,441.67
 Station Name:	 LOVETT RIVER NEAR THE MOUTH	 07BA003
Task:	Mpi Inspection	FP-3
Work Completed:	27-Mar-03	
	Salary	\$546.92
	Vehicle	\$134.17
	Travel	\$188.58
	Materials	\$72.00
	Contracts	\$500.00
	TOTAL:	\$1,441.67

2002/2003 Annual Station Cost Breakdown

Station Name:	MANYBERRIES CREEK AT BRODIN'S FARM	05AF010
Task:	Mpi inspections	FP-3
Work Completed:	06-Mar-03	
	Salary	\$343.99
	Vehicle	\$233.07
	Travel	\$307.74
	Materials	\$176.36
	Contracts	\$324.55
	TOTAL:	\$1,385.70
Station Name:	MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE	05FA014
Task:	Benchmark installation	FP-3
Work Completed:	05-Nov-02	
	Salary	\$249.93
	Vehicle	\$68.63
	Travel	\$77.26
	Materials	\$60.00
	Contracts	\$0.00
	TOTAL:	\$455.82
Station Name:	MCLEOD RIVER ABOVE EMBARRAS RIVER	07AF002
Task:	Mpi Inspection	FP-3
Work Completed:	27-Mar-03	
	Salary	\$546.92
	Vehicle	\$134.17
	Travel	\$188.58
	Materials	\$115.00
	Contracts	\$500.00
	TOTAL:	\$1,484.67
Station Name:	MEDICINE RIVER NEAR ECKVILLE	05CC007
Task:	Mpl inspection	FP-3
Work Completed:	21-Mar-03	
	Salary	\$415.58
	Vehicle	\$108.00
	Travel	\$194.97
	Materials	\$72.00
	Contracts	\$262.50
	TOTAL:	\$1,053.05

2002/2003 Annual Station Cost Breakdown

Station Name:	MONTAGNEUSE RIVER NEAR HINES CREEK	07FD012
Task:	Install pyrotenax w/pilot switch, lock bar & well repair	FP-3
Work Completed:	01-Oct-02	
	Salary	\$884.95
	Vehicle	\$95.17
	Travel	\$352.07
	Materials	\$548.00
	Contracts	\$0.00
	TOTAL:	\$1,880.19
 Station Name:	 NOTIKEWIN RIVER AT MANNING	 07HC001
Task:	Mpi Inspection	FP-3
Work Completed:	31-Mar-03	
	Salary	\$546.92
	Vehicle	\$134.17
	Travel	\$188.58
	Materials	\$72.00
	Contracts	\$559.16
	TOTAL:	\$1,500.83
 Station Name:	 PEIGAN CREEK NEAR PAKOWKI ROAD	 05AH041
Task:	Mpi Inspection	FP-3
Work Completed:	03-Mar-03	
	Salary	\$343.99
	Vehicle	\$233.07
	Travel	\$307.74
	Materials	\$0.00
	Contracts	\$324.55
	TOTAL:	\$1,209.34
 Station Name:	 PINCHER CREEK AT PINCHER CREEK	 05AA004
Task:	Site repair	FP-3
Work Completed:	21-Aug-02	
	Salary	\$248.96
	Vehicle	\$65.07
	Travel	\$111.98
	Materials	\$140.00
	Contracts	\$0.00
	TOTAL:	\$566.00

2002/2003 Annual Station Cost Breakdown

Station Name:	PINE CREEK NEAR GRASSLAND	07CA005
Task:	Site repair	FP-3
Work Completed:	24-Jul-02	
	Salary	\$411.62
	Vehicle	\$75.60
	Travel	\$171.65
	Materials	\$200.00
	Contracts	\$0.00
	TOTAL:	\$858.87
 Station Name:	 RED DEER RIVER BELOW BURNT TIMBER CREEK	 05CA009
Task:	Mpi Inspection	FP-3
Work Completed:	06-Feb-03	
	Salary	\$392.10
	Vehicle	\$51.10
	Travel	\$111.51
	Materials	\$0.00
	Contracts	\$819.75
	TOTAL:	\$1,374.46
 Station Name:	 RENWICK CREEK NEAR THREE HILLS	 05CE011
Task:	Site repair	FP-3
Work Completed:	30-May-02	
	Salary	\$184.76
	Vehicle	\$51.56
	Travel	\$58.30
	Materials	\$15.00
	Contracts	\$0.00
	TOTAL:	\$309.62
 Station Name:	 SAGE CREEK AT Q RANCH NEAR WILDHORSE	 11AA026
Task:	Mpi inspections	FP-3
Work Completed:	06-Mar-03	
	Salary	\$343.99
	Vehicle	\$233.07
	Travel	\$307.74
	Materials	\$103.96
	Contracts	\$324.55
	TOTAL:	\$1,313.30

2002/2003 Annual Station Cost Breakdown

Station Name: SHEEP RIVER AT BLACK DIAMOND	05BL014																								
<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Task:</td> <td style="width: 45%;">Site repair</td> <td style="width: 40%;"></td> </tr> <tr> <td>Work Completed:</td> <td>19-Aug-02</td> <td></td> </tr> <tr> <td></td> <td>Salary</td> <td style="text-align: right;">\$248.96</td> </tr> <tr> <td></td> <td>Vehicle</td> <td style="text-align: right;">\$65.07</td> </tr> <tr> <td></td> <td>Travel</td> <td style="text-align: right;">\$111.98</td> </tr> <tr> <td></td> <td>Materials</td> <td style="text-align: right;">\$125.00</td> </tr> <tr> <td></td> <td>Contracts</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td></td> <td>TOTAL:</td> <td style="text-align: right;">\$551.00</td> </tr> </table>	Task:	Site repair		Work Completed:	19-Aug-02			Salary	\$248.96		Vehicle	\$65.07		Travel	\$111.98		Materials	\$125.00		Contracts	\$0.00		TOTAL:	\$551.00	FP-3
Task:	Site repair																								
Work Completed:	19-Aug-02																								
	Salary	\$248.96																							
	Vehicle	\$65.07																							
	Travel	\$111.98																							
	Materials	\$125.00																							
	Contracts	\$0.00																							
	TOTAL:	\$551.00																							
Station Name: TOMAHAWK CREEK NEAR TOMAHAWK	05DE009																								
<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Task:</td> <td style="width: 45%;">Site repair</td> <td style="width: 40%;"></td> </tr> <tr> <td>Work Completed:</td> <td>09-Aug-02</td> <td></td> </tr> <tr> <td></td> <td>Salary</td> <td style="text-align: right;">\$185.74</td> </tr> <tr> <td></td> <td>Vehicle</td> <td style="text-align: right;">\$47.72</td> </tr> <tr> <td></td> <td>Travel</td> <td style="text-align: right;">\$65.97</td> </tr> <tr> <td></td> <td>Materials</td> <td style="text-align: right;">\$122.00</td> </tr> <tr> <td></td> <td>Contracts</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td></td> <td>TOTAL:</td> <td style="text-align: right;">\$421.43</td> </tr> </table>	Task:	Site repair		Work Completed:	09-Aug-02			Salary	\$185.74		Vehicle	\$47.72		Travel	\$65.97		Materials	\$122.00		Contracts	\$0.00		TOTAL:	\$421.43	FP-3
Task:	Site repair																								
Work Completed:	09-Aug-02																								
	Salary	\$185.74																							
	Vehicle	\$47.72																							
	Travel	\$65.97																							
	Materials	\$122.00																							
	Contracts	\$0.00																							
	TOTAL:	\$421.43																							
Station Name: WABASH CREEK NEAR PIBROCH	07BC007																								
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Task:	Site repair																								
Work Completed:	22-Jul-02																								
	Salary	\$270.21																							
	Vehicle	\$49.60																							
	Travel	\$112.85																							
	Materials	\$25.00																							
	Contracts	\$0.00																							
	TOTAL:	\$457.66																							
Station Name: WAIPAROUS CREEK NEAR THE MOUTH	05BG006																								
<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Task:</td> <td style="width: 45%;">Mpi Inspection</td> <td style="width: 40%;"></td> </tr> <tr> <td>Work Completed:</td> <td>29-Jan-03</td> <td></td> </tr> <tr> <td></td> <td>Salary</td> <td style="text-align: right;">\$685.26</td> </tr> <tr> <td></td> <td>Vehicle</td> <td style="text-align: right;">\$96.20</td> </tr> <tr> <td></td> <td>Travel</td> <td style="text-align: right;">\$45.41</td> </tr> <tr> <td></td> <td>Materials</td> <td style="text-align: right;">\$124.92</td> </tr> <tr> <td></td> <td>Contracts</td> <td style="text-align: right;">\$283.00</td> </tr> <tr> <td></td> <td>TOTAL:</td> <td style="text-align: right;">\$1,234.79</td> </tr> </table>	Task:	Mpi Inspection		Work Completed:	29-Jan-03			Salary	\$685.26		Vehicle	\$96.20		Travel	\$45.41		Materials	\$124.92		Contracts	\$283.00		TOTAL:	\$1,234.79	FP-3
Task:	Mpi Inspection																								
Work Completed:	29-Jan-03																								
	Salary	\$685.26																							
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	Travel	\$45.41																							
	Materials	\$124.92																							
	Contracts	\$283.00																							
	TOTAL:	\$1,234.79																							

2002/2003 Annual Station Cost Breakdown

Station Name:	WANDERING RIVER NEAR WANDERING RIVER	07CA006
Task:	Cableway repair	FP-3
Work Completed:	24-Jul-02	
	Salary	\$549.05
	Vehicle	\$100.80
	Travel	\$228.87
	Materials	\$1,093.92
	Contracts	\$0.00
	TOTAL:	\$1,972.64
Station Name:	WASKASOO CREEK AT RED DEER	05CC011
Task:	Site Recon	FP-3
Work Completed:	17-Jun-02	
	Salary	\$262.77
	Vehicle	\$84.84
	Travel	\$81.64
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$429.25
Station Name:	WEST PRAIRIE RIVER NEAR HIGH PRAIRIE	07BF002
Task:	Mpi Inspections	FP-3
Work Completed:	29-Mar-03	
	Salary	\$546.92
	Vehicle	\$134.17
	Travel	\$188.58
	Materials	\$36.00
	Contracts	\$500.00
	TOTAL:	\$1,405.67
Station Name:	WEST WHITEMUD CREEK NEAR IRETON	05DF007
Task:	Site repair	FP-3
Work Completed:	20-Jun-02	
	Salary	\$155.98
	Vehicle	\$66.54
	Travel	\$46.67
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$269.19

2002/2003 Annual Station Cost Breakdown

Station Name:	WHITEMUD RIVER NEAR DIXONVILLE	07HA005
Task:	Mpi Inspection	FP-3
Work Completed:	31-Mar-03	
	Salary	\$546.92
	Vehicle	\$134.17
	Travel	\$188.58
	Materials	\$72.00
	Contracts	\$559.16
	TOTAL:	\$1,500.83
 Station Name:	 BEAR RIVER NEAR VALHALLA CENTRE	 07GE007
Task:	Install Pilot switch, lock bar & site inspection	P-1
Work Completed:	01-Oct-02	
	Salary	\$165.93
	Vehicle	\$95.17
	Travel	\$66.01
	Materials	\$130.00
	Contracts	\$0.00
	TOTAL:	\$457.11
 Station Name:	 BEAVERLODGE RIVER NEAR BEAVERLODGE	 07GD001
Task:	Install Pilot switch, lock bar & site inspection	P-1
Work Completed:	01-Oct-02	
	Salary	\$165.93
	Vehicle	\$95.17
	Travel	\$66.01
	Materials	\$130.00
	Contracts	\$0.00
	TOTAL:	\$457.11
 Station Name:	 BELLY RIVER NEAR GLENWOOD	 05AD041
Task:	Shelter repair (battery spill)	P-1
Work Completed:	18-Sep-02	
	Salary	\$553.03
	Vehicle	\$86.00
	Travel	\$244.15
	Materials	\$182.00
	Contracts	\$0.00
	TOTAL:	\$1,065.18

2002/2003 Annual Station Cost Breakdown

Station Name:	BERLAND RIVER NEAR THE MOUTH	07AC007
Task:	Cableway repair	P-1
Work Completed:	03-Jul-02	
	Salary	\$2,025.39
	Vehicle	\$358.40
	Travel	\$473.23
	Materials	\$1,106.80
	Contracts	\$0.00
	TOTAL:	\$3,963.82
 Station Name:	 BERRY CREEK NEAR THE MOUTH	 05CH007
Task:	Install shelter ramp. Cableway inspection.	P-1
Work Completed:	17-Oct-02	
	Salary	\$362.79
	Vehicle	\$117.00
	Travel	\$106.82
	Materials	\$75.00
	Contracts	\$0.00
	TOTAL:	\$661.61
 Station Name:	 BLACKMUD CREEK NEAR ELLERSLIE	 05DF003
Task:	Site repair	P-1
Work Completed:	20-Jun-02	
	Salary	\$155.98
	Vehicle	\$66.54
	Travel	\$46.67
	Materials	\$140.00
	Contracts	\$0.00
	TOTAL:	\$409.19
 Station Name:	 BLINDMAN RIVER NEAR BLACKFALDS	 05CC001
Task:	Site repair	P-1
Work Completed:	28-May-02	
	Salary	\$138.60
	Vehicle	\$38.68
	Travel	\$43.73
	Materials	\$150.00
	Contracts	\$0.00
	TOTAL:	\$371.01

2002/2003 Annual Station Cost Breakdown

Station Name:	BUFFALO LAKE NEAR ERSKINE	05CD005
Task:	Site repair	P-1
Work Completed:	05-Nov-02	
	Salary	\$375.83
	Vehicle	\$103.20
	Travel	\$116.18
	Materials	\$15.00
	Contracts	\$0.00
	TOTAL:	\$610.21
Station Name:	BULLPOUND CREEK NEAR THE MOUTH	05CG003
Task:	Cableway remediation (disc stn) & inspect anchors	P-1
Work Completed:	04-Dec-02	
	Salary	\$864.00
	Vehicle	\$280.00
	Travel	\$372.36
	Materials	\$0.00
	Contracts	\$158.00
	TOTAL:	\$1,674.36
Station Name:	CALLING LAKE AT RANGER STATION	07CB001
Task:	Manual Gauge Upgrade	P-1
Work Completed:	23-Jul-02	
	Salary	\$1,139.92
	Vehicle	\$209.20
	Travel	\$475.22
	Materials	\$2,377.49
	Contracts	\$0.00
	TOTAL:	\$4,201.83
Station Name:	CHIP LAKE NEAR NORTHVILLE	07BB008
Task:	Reconn Chip lake for possible relocation	P-1
Work Completed:	07-Nov-02	
	Salary	\$722.98
	Vehicle	\$232.94
	Travel	\$243.12
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$1,199.04

2002/2003 Annual Station Cost Breakdown

Station Name: DICKSON DAM TUNNEL OUTLET		05CB007
Task: Mpi Inspection		P-1
Work Completed: 21-Mar-03		
Salary	\$484.84	
Vehicle	\$126.00	
Travel	\$227.46	
Materials	\$72.00	
Contracts	\$262.50	
TOTAL:	\$1,172.80	
Station Name: EAST PRAIRIE RIVER NEAR ENILDA		07BF001
Task: Mpi Inspection		P-1
Work Completed: 29-Mar-03		
Salary	\$546.92	
Vehicle	\$134.17	
Travel	\$188.58	
Materials	\$0.00	
Contracts	\$500.00	
TOTAL:	\$1,369.67	
Station Name: EID EAST BRANCH CANAL NR LATHAM		05CJ003
Task: Cableway remediation		P-1
Work Completed: 11-Sep-02		
Salary	\$231.07	
Vehicle	\$104.40	
Travel	\$30.89	
Materials	\$0.00	
Contracts	\$0.00	
TOTAL:	\$366.36	
Station Name: EID NORTH BRANCH CANAL NR BASSANO		05CJ001
Task: Cableway Reconn (disc)		P-1
Work Completed: 27-Aug-02		
Salary	\$231.07	
Vehicle	\$104.40	
Travel	\$30.89	
Materials	\$0.00	
Contracts	\$0.00	
TOTAL:	\$366.36	

2002/2003 Annual Station Cost Breakdown

Station Name:	EID SPRINGHILLI CANAL	05CJ004
Task:	Cableway Reconn (disc)	P-1
Work Completed:	27-Aug-02	
	Salary	\$231.07
	Vehicle	\$104.40
	Travel	\$30.89
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$366.36
Station Name:	ELBOW RIVER ABOVE ELBOW FALLS	05BJ006
Task:	Cableway remediation (disc stn) & inspect anchors	P-1
Work Completed:	28-Nov-02	
	Salary	\$864.00
	Vehicle	\$129.60
	Travel	\$43.40
	Materials	\$0.00
	Contracts	\$158.00
	TOTAL:	\$1,195.00
Station Name:	ELKWATER LAKE AT ELKWATER	05AH025
Task:	Site Reconn	P-1
Work Completed:	26-Aug-02	
	Salary	\$1,736.34
	Vehicle	\$483.59
	Travel	\$555.44
	Materials	\$1,356.54
	Contracts	\$220.11
	TOTAL:	\$4,352.02
Station Name:	EMBARRAS RIVER NEAR WEALD	07AF014
Task:	Mpi Inspections	P-1
Work Completed:	27-Mar-03	
	Salary	\$546.92
	Vehicle	\$134.17
	Travel	\$188.58
	Materials	\$72.00
	Contracts	\$500.00
	TOTAL:	\$1,441.67

2002/2003 Annual Station Cost Breakdown

Station Name: GHOST RIVER ABOVE WAIPAROUS CREEK	05BG010
Task: Site relocation Work Completed: 14-Jun-02	P-1
Salary	\$169.39
Vehicle	\$35.40
Travel	\$5.65
Materials	\$0.00
Contracts	\$0.00
TOTAL:	\$210.44
Station Name: GOLD CREEK NEAR FRANK	05AA030
Task: Install Pilot switch, lock bar and site maint Work Completed: 19-Sep-02	P-1
Salary	\$276.85
Vehicle	\$43.20
Travel	\$244.15
Materials	\$100.00
Contracts	\$0.00
TOTAL:	\$664.20
Station Name: HAYNES CREEK NEAR HAYNES	05CD006
Task: Site Inspection, maintenance Work Completed: 29-May-02	P-1
Salary	\$138.60
Vehicle	\$38.68
Travel	\$43.73
Materials	\$155.00
Contracts	\$0.00
TOTAL:	\$376.01
Station Name: ISLE LAKE AT EUREKA BEACH	05EA008
Task: Manual Gauge Upgrade Work Completed: 08-Aug-02	P-1
Salary	\$1,460.77
Vehicle	\$301.00
Travel	\$583.65
Materials	\$1,887.49
Contracts	\$0.00
TOTAL:	\$4,232.91

2002/2003 Annual Station Cost Breakdown

Station Name: JUMPINGPOUND CREEK NEAR THE MOUTH	05BH009
Task: Mpi inspection Work Completed: 29-Jan-03	P-1
Salary	\$575.31
Vehicle	\$116.76
Travel	\$71.36
Materials	\$98.95
Contracts	\$283.00
TOTAL:	\$1,145.37
Station Name: KENNEDY COULEE NEAR ACADIA VALLEY	05CK006
Task: Manual Gauge Upgrade Work Completed: 18-Oct-02	P-1
Salary	\$990.71
Vehicle	\$319.50
Travel	\$291.71
Materials	\$1,675.10
Contracts	\$0.00
TOTAL:	\$3,277.02
Station Name: KNEEHILLS CREEK NEAR DRUMHELLER	05CE002
Task: Site repair Work Completed: 30-May-02	P-1
Salary	\$138.60
Vehicle	\$38.68
Travel	\$43.73
Materials	\$25.00
Contracts	\$0.00
TOTAL:	\$246.01
Station Name: LITTLE SMOKY RIVER NEAR GUY	07GH002
Task: Shelter upgrade Work Completed: 04-Jul-02	P-1
Salary	\$1,278.59
Vehicle	\$226.40
Travel	\$298.78
Materials	\$2,158.72
Contracts	\$0.00
TOTAL:	\$3,962.49

2002/2003 Annual Station Cost Breakdown

Station Name: MCLEOD RIVER NEAR WHITECOURT		07AG004
Task: Mpi Inspections		P-1
Work Completed:	28-Mar-03	
Salary		\$546.92
Vehicle		\$134.17
Travel		\$188.58
Materials		\$230.00
Contracts		\$500.00
TOTAL:		\$1,599.67
Station Name: OLDMAN RIVER NEAR THE MOUTH		05AG006
Task: Mpi Inspections		P-1
Work Completed:	03-Mar-03	
Salary		\$343.99
Vehicle		\$233.07
Travel		\$307.74
Materials		\$0.00
Contracts		\$324.55
TOTAL:		\$1,209.34
Station Name: PADDLE RIVER AT BARRHEAD		07BB006
Task: Site repair		P-1
Work Completed:	08-Aug-02	
Salary		\$371.48
Vehicle		\$95.48
Travel		\$131.93
Materials		\$132.00
Contracts		\$0.00
TOTAL:		\$730.89
Station Name: RED DEER RIVER ABOVE PANTHER RIVER		05CA004
Task: Mpi Inspection		P-1
Work Completed:	05-Feb-03	
Salary		\$392.10
Vehicle		\$51.10
Travel		\$111.51
Materials		\$0.00
Contracts		\$819.75
TOTAL:		\$1,374.46

2002/2003 Annual Station Cost Breakdown

Station Name:	ST. MARY RIVER NEAR LETHBRIDGE	05AE006
Task:	Mpi inspection	P-1
Work Completed:	11-Feb-03	
	Salary	\$497.84
	Vehicle	\$80.30
	Travel	\$178.86
	Materials	\$115.00
	Contracts	\$823.44
	TOTAL:	\$1,695.44
Station Name:	WABAMUM CREEK NEAR DUFFIELD	05DE003
Task:	Cableway remediation (disc stn)	P-1
Work Completed:	08-Jan-03	
	Salary	\$864.00
	Vehicle	\$326.00
	Travel	\$318.60
	Materials	\$0.00
	Contracts	\$0.00
	TOTAL:	\$1,508.60
Station Name:	WATERTON RIVER NEAR GLENWOOD	05AD028
Task:	Site repair	P-1
Work Completed:	17-Mar-03	
	Salary	\$1,093.59
	Vehicle	\$294.40
	Travel	\$408.14
	Materials	\$315.00
	Contracts	\$0.00
	TOTAL:	\$2,111.13
Station Name:	WHITEMUD CREEK NEAR ELLERSLIE	05DF006
Task:	Site repair	P-1
Work Completed:	07-Aug-02	
	Salary	\$647.94
	Vehicle	\$193.82
	Travel	\$222.58
	Materials	\$125.00
	Contracts	\$0.00
	TOTAL:	\$1,189.34

SUMMARY OF ANNUAL STATION EXPENSES

Salary	\$50,690.71
Vehicle	\$12,788.52
Travel	\$17,168.61
Materials	\$23,320.44
Contracts	\$23,111.34
Grand Total	\$127,079.63

APPENDIX "A" 2002 -2003 CONSTRUCTION DETAIL

Work Ended	StationName	Station ID	DESIG	Remarks
28/05/2002	BLINDMAN RIVER NEAR BLACKFALDS	05CC001	P-1	Site inspection for heat tape problem. Installed pilot switch for pyrotenax and and additional duplex receptacle. Cleaned up shelter, repaired disconnected ground wire, installed lock bar. (Photos)
28/05/2002	RED DEER RIVER AT RED DEER	05CC002	F-2	Cleaned up shelter & inspect, Requires a LH lock bar
28/05/2002	WASKASOO CREEK AT RED DEER	05CC011	FP-3	Reconn Waskasso Creek at Red Deer for suitable relocation site. Met with City of Red Deer, discussed relocation options, avail of power and phone, proximity to vandals & permit requirements. Best options appear to be at present WWG location, or, upstream of bridge.
29/05/2002	HAYNES CREEK NEAR HAYNES	05CD006	P-1	Site inspection, found shelter electrical wiring in sad shape, clips were removed when shelter re-insulated and not put back on. Replaced all clips and hard wired pyrotenax, with pilot switch. Found poor ground connection and repaired same (photo). Installed lock bar and cleaned up shelter.
30/05/2002	RENWICK CREEK NEAR THREE HILLS	05CE011	FP-3	Added 1/2" box connector to switched outlet, repaired roof panel, Zero flow, Creek is dry and intakes are buried. Dug out same and turned back pyro. Shelter is located in a fenced field, has been hammered by cattle on the sides. Lock bar discretionary, Door is rusting.
30/05/2002	KNEEHILLS CREEK NEAR DRUMHELLER	05CE002	P-1	Installed pilot switch (Pyro 300 ohms), Cleaned up shelter, photos. Bit of flow over meter apron.
30/05/2002	ROSEBUD RIVER AT REDLAND	05CE005	F-2	Installed pilot switch, pyro (214 ohms), added duplex for laptop, replaced plastic ceiling fixture with porcelain. Handar not very well grounded, spliced onto conduit, no separate ground rod. Cleaned up shelter
02/06/2002	NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT	05DA009	F-1	Removed aircraft warning markers for movie shoot
12/06/2002	MISTAYA RIVER NEAR SASKATCHEWAN CROSSING	05DA007	F-1	Site inspection, well hidden, reconn wooden cableway for upgrade or removal
12/06/2002	NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT	05DA009	F-1	Replaced aircraft warning markers with new hardware, installed shelter lockbar
12/06/2002	SILVERHORN CREEK NEAR THE MOUTH	05DA010	F-1	Site inspection: Shelter requires stairs, lockbar and wade bridge should be removed.

13/06/2002	JUMPINGPOUND CREEK NEAR THE MOUTH	05BH009	P-1	Located site, installed pilot switch, inspected cableway platform which is bent. Shelter requires lockbar and steps. Ref: site photos.
13/06/2002	BOW RIVER AT BANFF	05BB001	F-1	Located cableway, replaced old wooden cablecar
14/06/2002	GHOST RIVER ABOVE WAIPAROUS CREEK	05BG010	P-1	Reconn gauge relocation to other side of river.
14/06/2002	WAIPAROUS CREEK NEAR THE MOUTH	05BG006	FP-3	Reconn upgrade of old wood stave shelter/well
17/06/2002	RED DEER RIVER AT RED DEER	05CC002	F-2	Installed lock bar, caulked shelter holes, cleaned up site.
17/06/2002	WASKASOO CREEK AT RED DEER	05CC011	FP-3	Short stop to inspect prospect site. Site photos
19/06/2002	WHITEMUD CREEK NEAR ELLERSLIE	05DF006	P-1	Site inspection, shelter requires steps, lockbar and grounding for heat cable. Ref: site photos
20/06/2002	WEST WHITEMUD CREEK NEAR IRETON	05DF007	FP-3	Installed pilot switch, cleaned up shelter, found lower intake buried and dug it out. Site photos. Zero flow at guage, standing water at downstream culvert.
20/06/2002	BLACKMUD CREEK NEAR ELLERSLIE	05DF003	P-1	Installed shelter lock bar, took site photos. Rtn'd later to install pilot switch and ground heat tape.
03/07/2002	IOSEGUN RIVER NEAR LITTLE SMOKY	07GG003	FP-3	Dug out lower intake line, de-silted stilling well, removed old heat tape, installed a 13/6 pyrotenax cable. Extended and hard wired pyrotenax outlet, installed and tested pilot switch, repaired upper and lower shut-off valves, fabricated and installed new extension for lower valve.
03/07/2002	BERLAND RIVER NEAR THE MOUTH	07AC007	P-1	Vandals shot up AC marker cones and main support cable to the point of near failure. Removed damaged markers, and scraped 1/2" fibre core cable. Replaced main AC cable with 120m 1/2" steel core. Replaced AC cone hardware sets and missing cone, adjusted cable sag and site clean-up.
04/07/2002	LITTLE SMOKY RIVER NEAR GUY	07GH002	P-1	Existing shelter contaminated with mercury. Prepare, form and pour 65"X65" concrete pad. Installed brytex shelter, insulated w/R8 fibreglass and panelled w/3/8" plywood, installed instrument and accessory shelves.
22/07/2002	DAPP CREEK AT HIGHWAY NO. 44	07BC006	FP-3	removed damaged pyrotenax, installed spare 13/6 cable (50.6 ohms) . Extended and hard wired pyrotenax outlet, installed and tested pilot switch, rewired shut off valve handles, replaced end on lower shut off extension.
22/07/2002	WABASH CREEK NEAR PIBROCH	07BC007	FP-3	Extended and hard wired pyrotenax outlet, installed and tested pilot switch, scrubbed wee growth around shelter and station bench marks. Repaired loose gnd wire connection , Removed surplus earth around shelter door.

23/07/2002	CALLING LAKE AT RANGER STATION	07CB001	P-1	Orient and install seasonal instrument shelter at calling lake ranger station. Install/bury 350ft armour orifice line terminated with 90lb steel block. *costs do not include instrumentation, photovoltaic and nitrogen systems.
24/07/2002	WANDERING RIVER NEAR WANDERING RIVER	07CA006	FP-3	Removed undersize cableway platform. Installed 65"X65" steel platform with diamond grip decking and 2" schedule 40 pipe legs. Installed 42" handrail sections and relocated ladder. Extended and hard wired pyrotenax heat cable, pilot switch requires replacement. Scrubbed excessive weed growth around shelter, removed debris.
24/07/2002	PINE CREEK NEAR GRASSLAND	07CA005	FP-3	Extended and hard wired pyrotenax outlet, installed and tested pilot switch. Scrubbed brush around shelter and removed debris. Installed wooden shelter access ramp, installed shelter lock bar.
07/08/2002	WHITEMUD CREEK NEAR ELLERSLIE	05DF006	P-1	extended and hard wired pyrotenax outlet, installed and tested pilot switch. Scrubbed brush around shelter and cableway, removed hornet nest, installed shelter lock bar.
08/08/2002	ISLE LAKE AT EUREKA BEACH	05EA008	P-1	Orient and install seasonal instrumentation shelter at Isle lake gauge reader residence. Install/bury 150ft armour orifice line, terminated with 90 lb steel block. Costs do not include instrumentation, photovoltaic and nitrogen systems.
08/08/2002	PADDLE RIVER AT BARRHEAD	07BB006	P-1	Extended and hard wired pyrotenax outlet, installed and tested pilot switch, repaired large gap in roof responsible for water damaged ceiling. Installed shelter lock bar and repaired door, replaced plastic light fixture. Scrubbed brush and grass around shelter.
08/08/2002	COYOTE CREEK NEAR CHERHILL	07BB014	FP-3	Extended and hard wired pyrotenax outlet, installed and tested pilot switch. Installed shelter lock bar and adjusted door. Repaired heat lamp cord.
09/08/2002	TOMAHAWK CREEK NEAR TOMAHAWK	05DE009	FP-3	installed and tested pilot switch and gnd, hard wired heat lamp. Installed lock bar and adjusted door.
19/08/2002	SHEEP RIVER AT BLACK DIAMOND	05BL014	FP-3	Repaired lower intake, non-stnd heat tape (52.2 ohms) requires upgrade/replacement. Installed lock bar. ECG@1200mst = 1.765, 1345 = 1.758. Cleaned up site.
20/08/2002	WATERTON RIVER NEAR WATERTON PARK	05AD003	F-1	Located old wooden cableway downstream of park. Removed main cable, dismantled platforms, towers and platforms. Cleared site debris. Met with landowner David Cassidy.
21/08/2002	WATERTON RIVER NEAR WATERTON PARK	05AD003	F-1	Installed shelter lock bar, ran into problem with lower intake installing new heat cable, req power auger.

21/08/2002	WATERTON RIVER NEAR WATERTON PARK	05AD003	F-1	Installed shelter lock bar, ran into problem with lower intake installing new heat cable, req power auger.
21/08/2002	PINCHER CREEK AT PINCHER CREEK	05AA004	FP-3	Installed pilot switch, lockbar assy. Cleaned up site debris
22/08/2002	WATERTON RIVER NEAR WATERTON PARK	05AD003	F-1	Met Randy fm Roto Router on site, snaked line through to end of intake. Pulled new pyro through and hooked up electrical with pilot switch. Repaired shut-off handles.
22/08/2002	LEE CREEK AT CARDSTON	05AE002	FP-2	Met Dave Moncour at station. Flushed lower intake and found it had moved 20' downstream from high water. End is covered in 3' of silt. Impossible to repair, stream has shifted over to L Bank. Installed additional duplex receptacle for laptop.
23/08/2002	LEE CREEK AT CARDSTON	05AE002	FP-2	Flushed lower intake and still NFG. Dug trench from well to main channel. Water level dropped 1.360 to 1.352 in well.
26/08/2002	ELKWATER LAKE AT ELKWATER	05AH025	P-1	Med with Greg O'Brian at Elkwater Park to locate alternate location for Dessert box and pres system. Original plan was NFG, due to limitations of directional boring. Located site with power and phone under concession bldg. Took mmts and photos.
27/08/2002	EID NORTH BRANCH CANAL NR BASSANO	05CJ001	P-1	Located station, Shelter on RB, Cableway has "I-beam" towers on both banks. Shelter and well are secure.
27/08/2002	EID SPRINGHILLI CANAL	05CJ004	P-1	Located station and inspected shelter/ cableway. Good access both sides, shelter empty, hatches secure. 12' wood stave well. Good d/s bridge. Site photos
27/08/2002	EID EAST BRANCH CANAL NR LATHAM	05CJ003	P-1	Located shelter and cableway, Inspected shelter/well for security. All is OK, doors locked and hatches secure. Scheduled to remove cablecars and main cables. Site photos
06/09/2002	ELKWATER LAKE AT ELKWATER	05AH025	P-1	Installation of instrument shelter, pressure system, electrical and phone jacks at concession building at elkwater park on Sep 5 & 6 2002. Repairs to stilling well and site cleanup
11/09/2002	EID SPRINGHILLI CANAL	05CJ004	P-1	Removed main cable and cablecar.
11/09/2002	EID NORTH BRANCH CANAL NR BASSANO	05CJ001	P-1	Removed cableway main cable and cablecar.
11/09/2002	EID EAST BRANCH CANAL NR LATHAM	05CJ003	P-1	Removed main cable and cablecar
17/09/2002	WATERTON RIVER NEAR GLENWOOD	05AD028	P-1	Repair upper/lower intake pipes severely mangled by high flows, Replaced shut-off valves, Removed upper lower lines, old heat tape, oil cyl etc. and installed shorter pipes. Repaired shut-off extensions, Partial rip-rap of outside well. Installed lock bar, retrieved and disposed of damaged iron pipe.
18/09/2002	BELLY RIVER NEAR GLENWOOD	05AD041	P-1	Shelter repair due to battery acid.
19/09/2002	GOLD CREEK NEAR FRANK	05AA030	P-1	Install lock bar and signage.

19/09/2002	CROWSNEST RIVER AT FRANK	05AA008	FP-3	Installed lock bar. Install pyrotenax - 266 ohms. Install pilot switch. Replaced heat lamp and plug.
30/09/2002	DRIFTWOOD RIVER NEAR THE MOUTH	07BK007	FP-3	Install lock bar, pilot switch. Repair door.
01/10/2002	MONTAGNEUSE RIVER NEAR HINES CREEK	07FD012	FP-3	Repaired and flushed out intakes. Broke up beaver dam. Drained out the forebay. Second visit required to reset instrumentation and rebuild beaver dam.
01/10/2002	BEAVERLODGE RIVER NEAR BEAVERLODGE	07GD001	P-1	Installed lock bar and grounded pilot switch. Repaired door.
01/10/2002	BEAR RIVER NEAR VALHALLA CENTRE	07GE007	P-1	Installed heat tape and lock bar.
01/10/2002	GRANDE PRAIRIE CREEK NEAR SEXSMITH	07GE003	FP-3	Install Lock Bar, heat tape, pilot switch.
02/10/2002	KEG RIVER AT HIGHWAY NO. 35	07HF002	FP-3	Install lock bar and heat tape. Flush intakes. De-silted well. Replace plastic fixture with porcelain. Added pilot switch and duplex.
02/10/2002	BOYER RIVER NEAR PADDLE PRAIRIE	07JF004	FP-3	Install lock bar and site maintenance
03/10/2002	HEART RIVER NEAR NAMPA	07HA003	FP-3	Install pyrotenax, lock bar, heat tape.
04/10/2002	CHIP LAKE NEAR NORTHVILLE	07BB008	P-1	Reviewed site for future relocation.
04/10/2002	CHRISTMAS CREEK NEAR BLUE RIDGE	07AH002	FP-3	Install lock bar and site maintenance
04/10/2002	LITTLE PADDLE RIVER NEAR MAYERTHORPE	07BB005	FP-3	Inspected and reviewed shelter prior to relocation.
17/10/2002	ONETREE CREEK NEAR PATRICIA	05CJ006	F-2	Site Inspection: 5X5 brytex shelter on a wood stave well with power. Found site converted to pressure with AC power and GOES xmtr. Ht tape not grounded.
17/10/2002	BERRY CREEK NEAR THE MOUTH	05CH007	P-1	Site Inspection: 5X5 brytex on a wood stave well, no auxiliary power. Station includes an older cableway with wood towers & delapidated fence. Shelter access eroded by h/water events. Installed 6'X32" pressure treated reamp to improve operator access.
18/10/2002	KENNEDY COULEE NEAR ACADIA VALLEY	05CK006	P-1	Orient and install seasonal instrumentation shelter at Kennedy coulee. Install/bury 100ft armour orifice line terminated with 90lb steel block. Install mast, photovoltaic and pressure systems, caulk shelter, clean up site.
01/11/2002	LEE CREEK AT CARDSTON	05AE002	FP-2	Intakes are completely buried, channel has shifted to far bank. Installed pressure system, trenched and installed armored orifice line and concrete block.
05/11/2002	MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE	05FA014	FP-3	Installed WSC threaded rod BC 01-01 on North side of bridge crossing in mid-channel. Marked with flagging. Cleaned of California shelter, lots of road debris. Parts of old stilling well upstream in field to be removed.
05/11/2002	BUFFALO LAKE NEAR ERSKINE	05CD005	P-1	Pumped out stilling well and found a hole in the 3" reducer, repaired same, Measured up door for possible replacement.

06/11/2002	LITTLE PADDLE RIVER NEAR MAYERTHORPE	07BB005	FP-3	Removed instrumentation from shelter, secured well with a plywood cap. Met with landowner and discussed relocating station further upstream, also on his property.
07/11/2002	CHIP LAKE NEAR NORTHVILLE	07BB008	P-1	Checked out AC's GPS ref for possible relocation. Found it to be low laying swamp without any depth. Checked existing site in addition to other potential sites around the lake, including the Provincial Park at the NE end of the Lake. Most suitable location is existing location. Site photos
28/11/2002	ELBOW RIVER ABOVE ELBOW FALLS	05BJ006	P-1	Station previously discontinued, located old upstream cableway site and inspected both left and right deadman anchors. Broke up LB deadman with jack hammers, extracted main 1" cable anchor and both backstay and AC cable anchors for magnetic particle testing. Restored resulting hole back to grade level
02/12/2002	BOW RIVER AT CALGARY	05BH004	F-2	City of Calgary is remediating shoreline in vicinity of gauging station. Existing shelter and well being relocated and upgraded. Installed a temporary dessert box with a pressure system and orifice line + phone connection, downstream of construction activity for the duration of upgrade project. D/box , orifice line was removed on Dec 02nd when new location fully activated. All of the costs were picked up by the City of Calgary, with the exception of a special FRP flooring material used in the new shelter. Material was billed to WSC as a change order & paid by P.O.
04/12/2002	BULLPOUND CREEK NEAR THE MOUTH	05CG003	P-1	Station discontinued in 1996, visited site and removed/remediated cableway. Broke up L&R bank deadman and extracted main cable and backstay bars for metals testing. Inspected shelter, removed ECG and 30lb wt, shut off power supply, ready for disconnection. Spoke with landowner, re:shelter and well removal next summer, he has contact for fill.
13/12/2002	BOW RIVER AT CALGARY	05BH004	F-2	City of Calgary finished construction of new gauge shelter. Removed temporary dessert box, orifice line and pressure system. Cleaned up site, made a few minor adjustments to new shelter and returned materials to warehouse.
08/01/2003	WABAMUM CREEK NEAR DUFFIELD	05DE003	P-1	Site discontinued in 1995. De-commissioned cableway, removed cables, towers, loading platform, cablecar and barbed wire, etc. Chipped out left and right bank deadman anchors and removed for metal particle analysis. Work remaining: removal of fence posts, AC power, 4X4 brytex shelter, 4' dia stilling well and assoc hardware. Current landowner contact: Harvey Henkel (780) 963-6744 (work).

29/01/2003	WAIPAROUS CREEK NEAR THE MOUTH	05BG006	FP-3	Mpi inspection (4) anchors, with no indications or defects. Removed rotted out cablecar
29/01/2003	JUMPINGPOUND CREEK NEAR THE MOUTH	05BH009	P-1	Mpi inspection (6) anchors on L&R banks, no indications of defects.
31/01/2003	PEKISKO CREEK NEAR LONGVIEW	05BL023	F-1	Mpi inspection of L&R banks (4) anchors.. No rejectable defect indications.
31/01/2003	HIGHWOOD RIVER NEAR THE MOUTH	05BL024	FP-2	Mpi inspection on (6) anchors L&R banks. No rejectable defect indications. Removed old cablecar.
31/01/2003	HIGHWOOD RIVER AT DIEBEL'S RANCH	05BL019	FP-3	Mpi inspections on L&R banks (2) anchors. No rejectable defect indications.
05/02/2003	RED DEER RIVER ABOVE PANTHER RIVER	05CA004	P-1	Inspected (6) anchors, L&R banks, with no rejectable defect indications.
06/02/2003	JAMES RIVER NEAR SUNDRE	05CA002	FP-3	Inspected anchors on L&R banks .. RB main anchor did not pass.
06/02/2003	RED DEER RIVER BELOW BURNT TIMBER CREEK	05CA009	FP-3	Inspected (6) anchors on L&R banks, all 4 backstay/ac anchors failed.
11/02/2003	PRAIRIE BLOOD COULEE NEAR LETHBRIDGE	05AD035	F-4	Mpi inspection on 3 anchor points.. No rejectable indications. Installed 32" sag ref mk and chk'd OK.
11/02/2003	ST. MARY RIVER NEAR LETHBRIDGE	05AE006	P-1	Mpi inspection, no indications on L or R bank anchors, Replaced 3/4" splice with galv cable Marked 87" sag ref and chk'd OK. Ref; photos.
12/02/2003	ST. MARY RIVER AT INTERNATIONAL BOUNDARY	05AE027	F-3	Mpi inspection on (10) anchor points. Slight flaw in LB backstay, otherwise all OK. Installed lanyard on RB end, need a longer 7/8" for USGS style tower.
12/02/2003	BELLY RIVER NEAR MOUNTAIN VIEW	05AD005	FP-2	Mpi inspection on (4) anchors, no rejectable indications. Installed L&R bank safety lanyards. Installed 37.4"sag ref mark and chk'd OK. Ref: photos.
03/03/2003	OLDMAN RIVER NEAR THE MOUTH	05AG006	P-1	Mpi inspection on (5) L&R bank anchor points. 56 km from Taber to RB anchor/tower. Installed a 16.8" sag ref mk, chk'd & OK.
03/03/2003	PEIGAN CREEK NEAR PAKOWKI ROAD	05AH041	FP-3	Mpi inspection on L&R banks. Everything tied to one anchor point both sides.
05/03/2003	GROS VENTRE CREEK NEAR DUNMORE	05AH037	FP-3	Mpi inspection, Installed L &R bank lanyards. Small crack in LB main not serious. LB backstay was broken and rusted,, connected to 3/4" main. Installed 19" sag ref and chk'd OK.
05/03/2003	BOXELDER CREEK AT HARGRAVE'S RANCH	05AH050	F-2	Mpi inspection, (3) anchor points on L&R banks, no ac cable. Installed 16" sag ref & chk'd OK. Installed thimbles and safety lanyards.

06/03/2003	SAGE CREEK AT Q RANCH NEAR WILDHORSE	11AA026	FP-3	Mpi inspection, only has one anchor on each bank.. Passed. Installed 1/2" thimbles, replaced (4) rusty crosby clips, Installed 36" sag ref mark and chk'd OK. 2nd cablecar on far bank was falling apart,, removed same.
06/03/2003	MANYBERRIES CREEK AT BRODIN'S FARM	05AF010	FP-3	Mpi inspections (1) anchor on L&R banks. Req clips and thimbles, fence is only partially new. Installed L &R bank safety lanyards, Installed sag ref mk and chk'd OK. Replaced both 1/2" rusted turnbuckles with 3/4" eye-jaw.
17/03/2003	HIGHWOOD RIVER NEAR THE MOUTH	05BL024	FP-2	Installed safety lanyards on L&R banks. Replaced best lock, Installed sag ref mk at 106" and chk'd OK.
17/03/2003	JUMPINGPOUND CREEK NEAR THE MOUTH	05BH009	P-1	Installed L&R bank safety lanyards, Installed RB backstay thimble. Installed 33" sag ref mark and chk'd OK.
17/03/2003	WAIPAROUS CREEK NEAR THE MOUTH	05BG006	FP-3	Installed L&R bank safety lanyards, Install LB backstay clip, installed 28 1/2" sag ref mark and chk'd OK, replaced best lock.
17/03/2003	WATERTON RIVER NEAR GLENWOOD	05AD028	P-1	A sudden upstream release of ice, punched a large hole in the side of wood stave well causing both interior and exterior damage.. DC & KE drove to site, removed broken wood staves and replaced with new material. Re: photos
21/03/2003	CLEARWATER RIVER NEAR DOVERCOURT	05DB006	FP-3	Mpi inspection on (4) anchor points, L&R bank, no visible indications found. Installed safety lanyards on L&R bank. RB & LB towers are pedistal type, used modified cable arrangement. Leveled a sag ref point and checked cable sag, 59" is OK.
21/03/2003	MEDICINE RIVER NEAR ECKVILLE	05CC007	FP-3	Mpi inspection on (6) anchor points, L&R bank, no major indications. Installed safety lanyards on L&R banks. Installed 39.4" sag ref and chk'd OK.
21/03/2003	DICKSON DAM TUNNEL OUTLET	05CB007	P-1	Mpi inspection on (6) anchor points, L&R bank. Noted some horizontal marks on 3/4" bars. Installed safety lanyards on L&R banks. Installed 55" sag ref mk and chk'd OK.
24/03/2003	LITTLE PADDLE RIVER NEAR MAYERTHORPE	07BB005	FP-3	Station partially remediated and due for relocation. Set up a temp d/box on top of capped off stilling well. Installed pressure system and temp orifice line. Hooked up spare solar panel for power supply, and grounded everything. Ready for instrumentation install by Peace River crew.
27/03/2003	EMBARRAS RIVER NEAR WEALD	07AF014	P-1	Mpi inspections on (6) L&R banks, Installed safety lanyards. Set 33" sag ref & chk'd Ref photos.

27/03/2003	MCLEOD RIVER ABOVE EMBARRAS RIVER	07AF002	FP-3	Mpi Inspections on L&R banks. All (6) anchor points passed. Buffed a few minor imperfections out. Installed L&R bank safety lanyards. 7/8" cable. Ref photos.
27/03/2003	LOVETT RIVER NEAR THE MOUTH	07BA003	FP-3	Mpi inspections on (7) old and new anchor points, no defects. Installed L&R bank safety lanyards, Set 28" sag ref & chk'd OK.
27/03/2003	BRAZEAU RIVER BELOW CARDINAL RIVER	05DD007	FP-3	Mpi inspection and installation of safety lanyards. All (6) anchor points passed. Adjusted sag 71" and took ref photos..
28/03/2003	MCLEOD RIVER NEAR ROSEVEAR	07AG007	FP-2	Mpi inspections on (6) L&R bank anchor points. Minor flaws were polished out. Installed 3/4" lanyard set and took ref photos.
28/03/2003	LITTLE SMOKY RIVER AT LITTLE SMOKY	07GG002	FP-3	Mpi inspection on (4) anchor points L&R bank, all passed. LB main had small flaw ground out. Sag ref 57" adjusted. Main U-bar not parallel to cableway. Installed safety lanyards
28/03/2003	MCLEOD RIVER NEAR WHITECOURT	07AG004	P-1	Mpi inspections on (6) L&R anchor points, all passed. Installed 7/8" lanyards and set sag ref at 118". Took ref photos.
29/03/2003	WEST PRAIRIE RIVER NEAR HIGH PRAIRIE	07BF002	FP-3	Mpi inspections on 2 left bank anchor points only. No defects found. Installed LB safety lanyard. Sag ref 48" chk'd OK. Lbbs is not galv. Took site photos
29/03/2003	EAST PRAIRIE RIVER NEAR ENILDA	07BF001	P-1	Mpi inspections on (6) L&R bank anchor points, no defects found. Installed 7/8" safety lanyards. Sag ref set at 72".
29/03/2003	SWAN RIVER NEAR KINUSO	07BJ001	FP-2	Mpi inspections on (4) L&R bank anchor points. No defects. Installed safety lanyards. Set sag ref to 52", Installed safety lanyards.
31/03/2003	HEART RIVER NEAR NAMPA	07HA003	FP-3	Mpi inspection on (4) anchor points, passed. Installed safety lanyards and adjusted sag 34"
31/03/2003	WHITEMUD RIVER NEAR DIXONVILLE	07HA005	FP-3	Mpi inspections on (5) anchor points, no visible defects. Installed safety lanyards and adj sag 27"
31/03/2003	NOTIKWIN RIVER AT MANNING	07HC001	FP-3	Mpi inspections on (4) L&R bank anchors. All passed. Installed safety lanyards and set sag ref 63".
31/03/2003	HEART RIVER NEAR NAMPA	07HA003	FP-3	Mpi inspection on (4) anchor points, all passed. Installed safety lanyards and adj sag 34". Site photos.

APPENDIX "B": PHOTOGRAPHS



Figure 1: Berland River Cableway



Figure 2: Kennedy Coulee Dessert Box

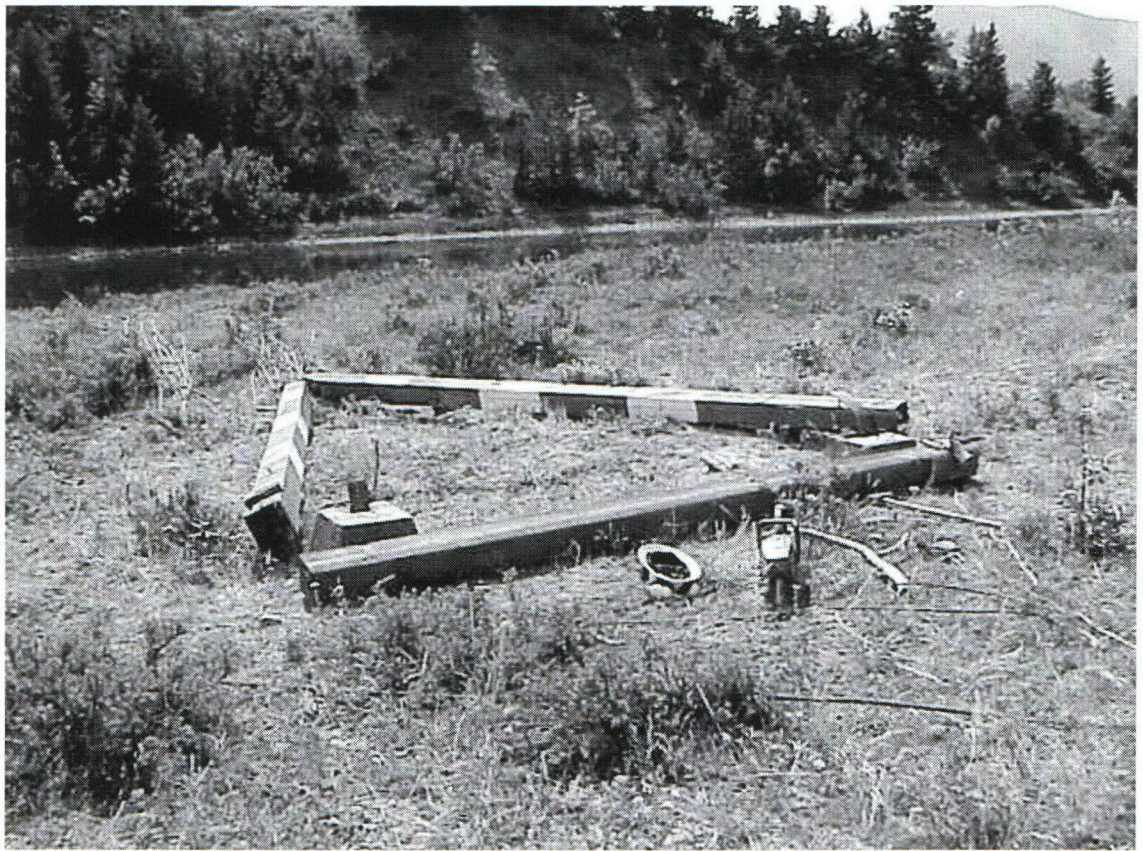


Figure 3: Waterton River Cableway remediation



erosion

Figure 4: Waterton R/Glenwood

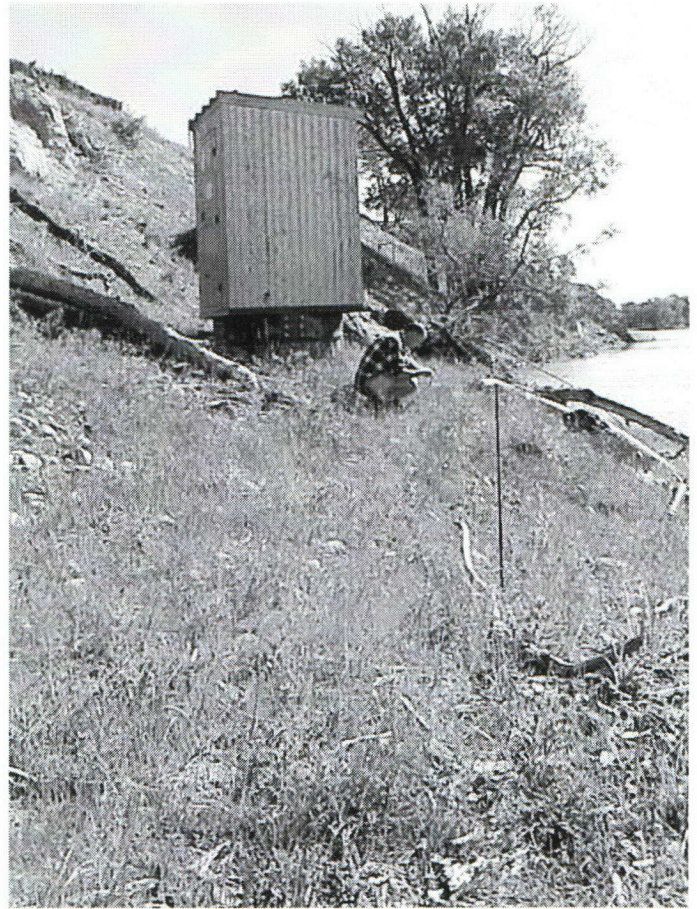


Figure 5 : Waterton Glenwood 2001



Figure 6: Waterton Glenwood 2002