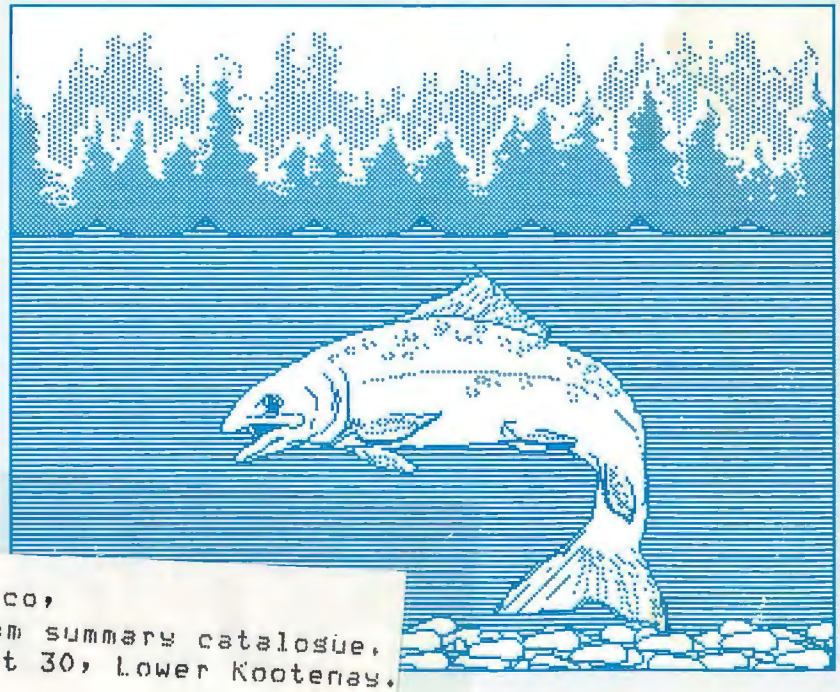
DFO - Library / MPO - Bibliothèque
01002378

Fish Habitat Inventory & Information Program

STREAM SUMMARY CATALOGUE

SUBDISTRICT # 30 LOWER KOOTENAY



SH349
A9
no.30A
c#1

DeMarco,
Stream summary catalogue,
strict 30, Lower Kootenay.

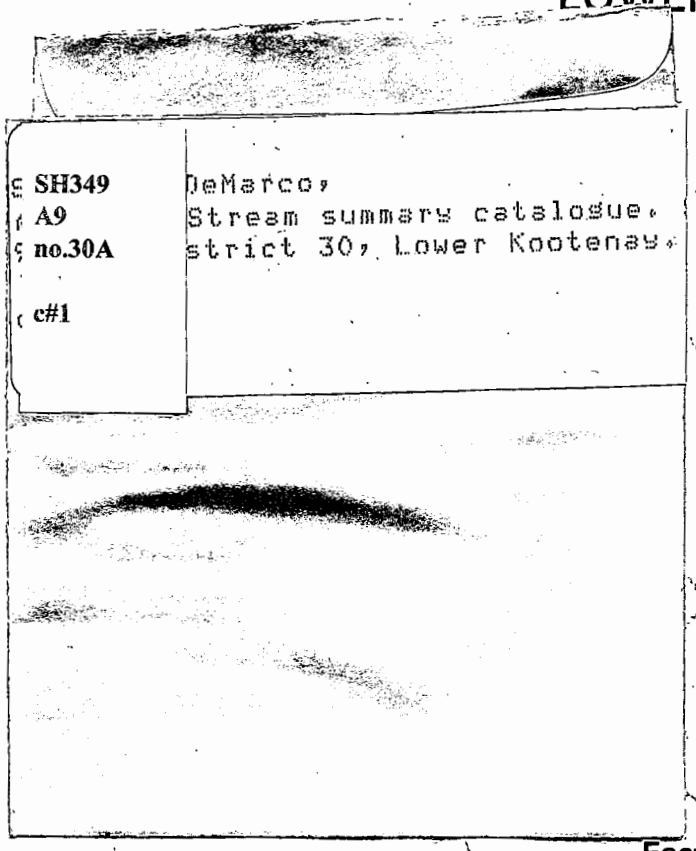
Fisheries and Oceans
BC Ministry of Environment
Canada

CATNO
174133

Fish Habitat
Inventory & Information Program

STREAM SUMMARY CATALOGUE

SUBDISTRICT # 30
LOWER KOOTENAY



Eastern B.C. Unit
Fisheries Branch
Department of Fisheries & Oceans

October 1993

PREFACE

This catalogue contains a summary of information on fish and fish habitat for 167 streams in DFO Subdistrict 30, Lower Kootenay. The catalogue is organized as follows:

1.0 Map Indices;
2.0 User guides;
3.0 Stream Summaries;
4.0 Bibliography; and
5.0 Stream Information Summary maps.

Please note that because of insufficient information in certain areas in the Subdistrict some Stream Information Summary maps are not included in Section 5.0. Stream Information Summaries (SIS) are arranged by watershed code. Cross indices of watershed codes and stream names are included in section 1.0 of this catalogue. Users are encouraged to contact Department of Fisheries and Oceans' (DFO) or B.C. Ministry of Environment Lands and Parks (MOELP) habitat inventory staff if they have additional fish or fish habitat information or can correct inaccuracies in the existing data.

Users of this catalogue are reminded that SIS data are intended to provide a "brief summary" of stream information. Local DFO and MOELP offices should be contacted if more detailed information is required.

ACKNOWLEDGEMENTS

The Stream Information Summaries and maps were originally prepared by R. DeMarco of SHIP Environmental Consultants Ltd. under a contract managed by K. Pontus, Department of Fisheries and Oceans. The index maps included in this catalogue were drafted by B. Mason, DFO Policy and Information Unit and were derived from the MOELP digital blue line atlas. Catalogue production was also coordinated by B. Mason. The assistance of DFO Eastern BC Unit and MOELP Region 4 staff in providing and verifying much of the information is greatly appreciated. Stream Information Summaries were produced by K. Pontus, Habitat Management Sector, using the Stream Information Summary System (SISS).

Correct citation for this publication:

Fish Habitat Inventory and Information Program. 1993. Stream Summary Catalogue. Subdistrict # 30, Lower Kootenay. Department of Fisheries and Oceans, Vancouver, B.C.

TABLE OF CONTENTS

- Acknowledgements
- Preface
- Table of Contents

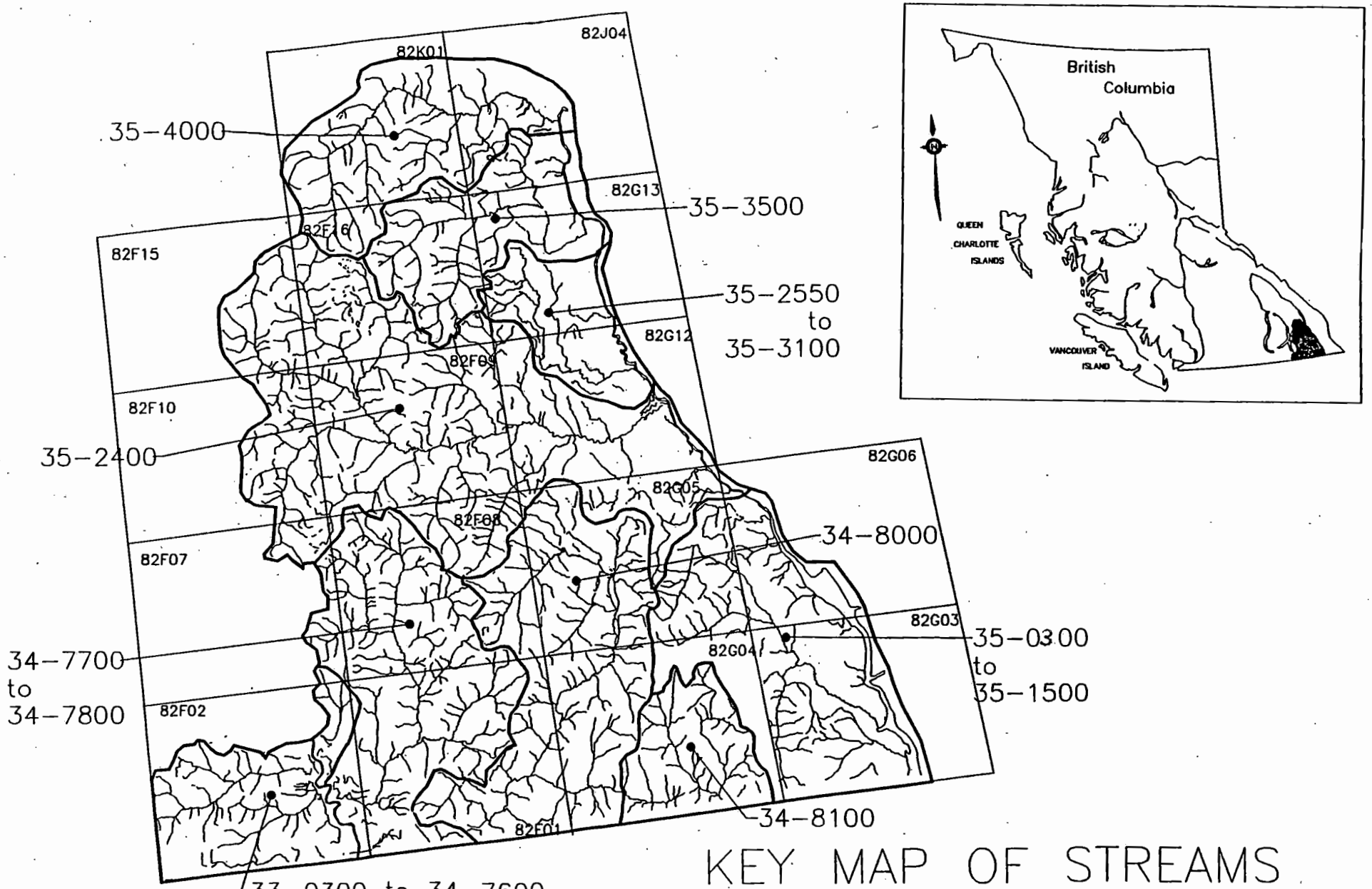
1.0 Map Indices
- Key maps of streams in subdistrict
- Watershed Code Listing of Stream Names
- Alphabetic Listing of Stream Names & Watershed Codes
- DFO Subdistrict Map
- MOEP Region Map
- 1:250,000 National Topographic Series Map Index
- 1:50,000 National Topographic Series Map Index
- 1:20,000 Planimetric Map Index

2.0 User Guides
- 2.1 Stream Information Summary
- 2.2 Escapement
- 2.3 Bibliography
- 2.4 Stream Information Summary Map

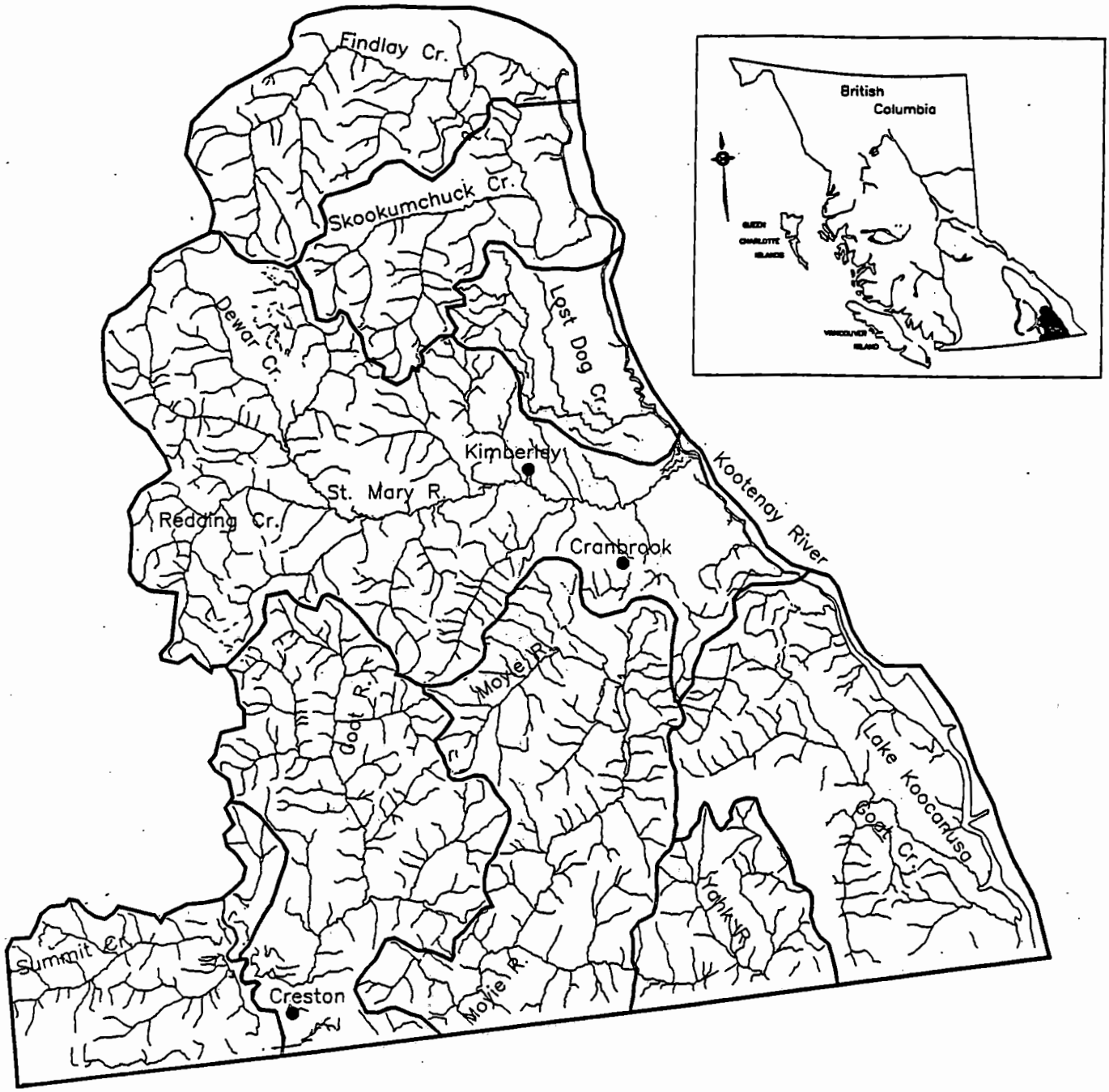
3.0 Stream Summary
- Stream Information Summary (by Watershed Code)
- Escapement

4.0 Bibliography

5.0 Maps

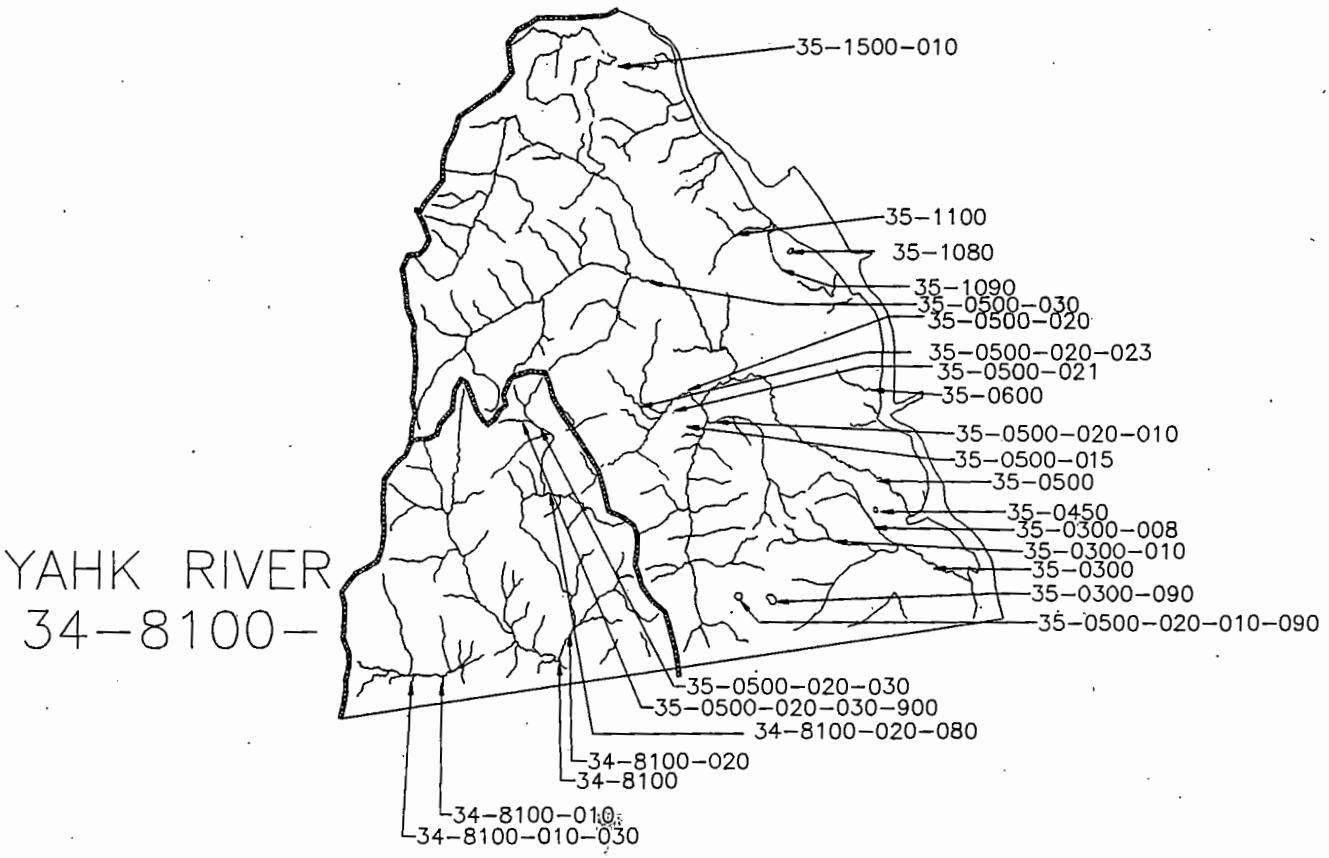


KEY MAP OF STREAMS IN SUBDISTRICT 30 LOWER KOOTENAYS

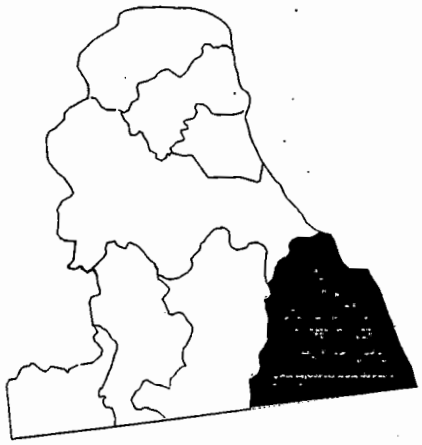


KEY MAP OF STREAMS IN SUBDISTRICT 30
LOWER KOOTENAYS

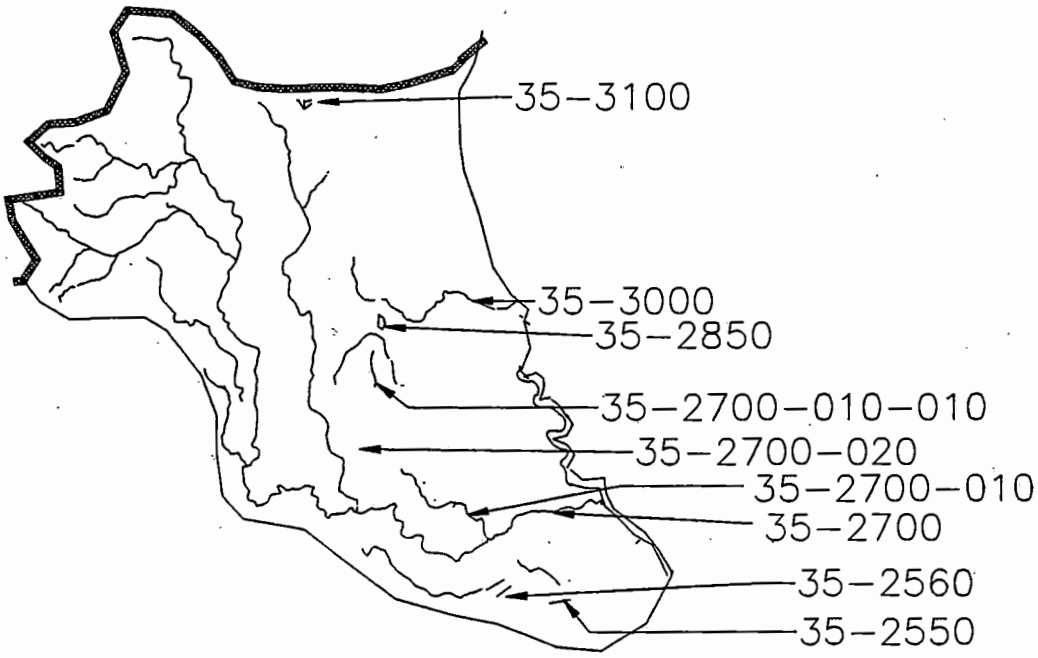
GOLD CREEK
35-0300 to 35-1500-010



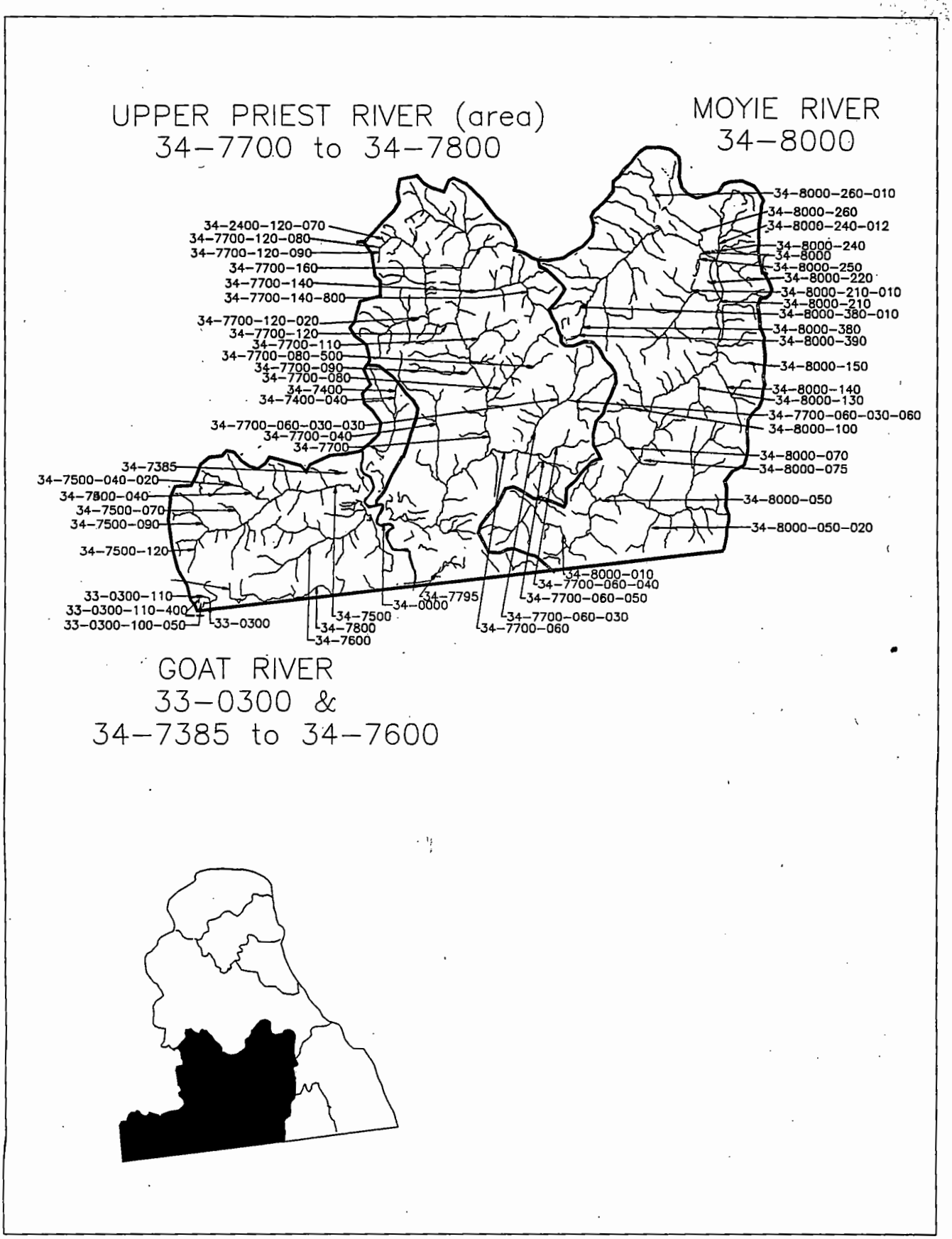
YAHK RIVER
34-8100-



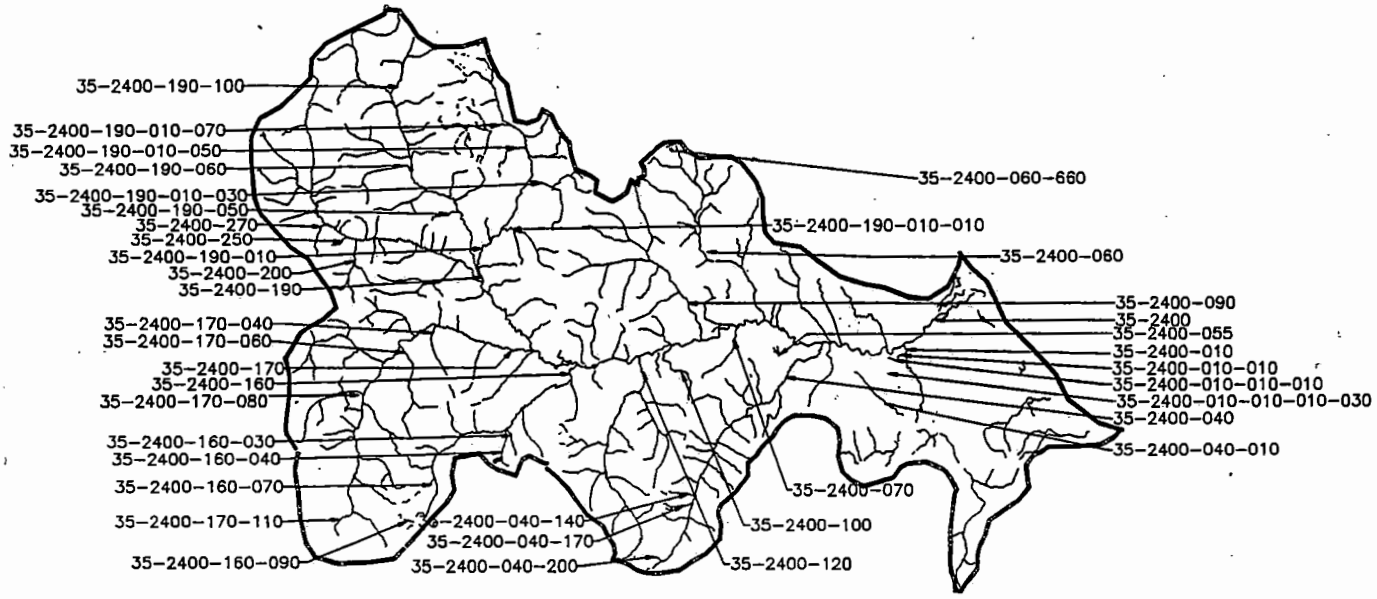
MATHER CREEK
35–2550 to 35–3100





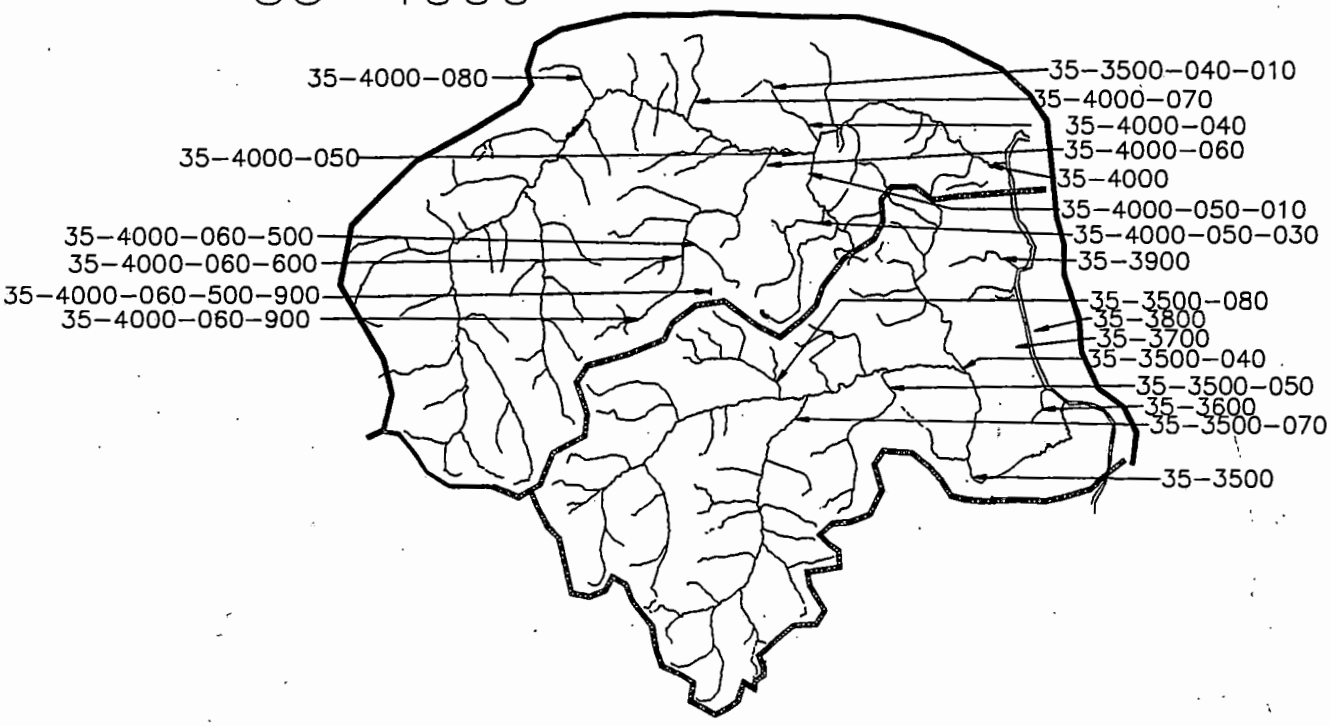

UPPER PRIEST RIVER (area)
34–7700 to 34–7800
MOYIE RIVER
34–8000
34–8000–260–010
34–8000–260
34–8000–240–012
34–8000–240
34–8000
34–8000–250
34–8000–220
34–8000–210–010
34–8000–210
34–8000–380–010
34–8000–380
34–8000–390
34–8000–150
34–8000–140
34–8000–130
34–7700–060–030–060
34–8000–100
34–8000–070
34–8000–075
34–8000–050
34–8000–050–020
34–8000–010
34–7700–060–040
34–7700–060–050
34–7700–060–030
34–7700–060
34–7795
34–0000
34–7500
34–7800
34–7600
34–2400–120–070
34–7700–120–080
34–7700–120–090
34–7700–160
34–7700–140
34–7700–140–800
34–7700–120–020
34–7700–120
34–7700–110
34–7700–080–500
34–7700–090
34–7700–080
34–7400
34–7400–040
34–7700–060–030–030
34–7700–040
34–7700
34–7385
34–7500–040–020
34–7800–040
34–7500–070
34–7500–090
34–7500–120
33–0300–110
33–0300–110–400
33–0300–100–050
33–0300
GOAT RIVER
33–0300 &
34–7385 to 34–7600

ST. MARY RIVER
35-2400





FINDLAY CREEK
35–4000



SKOOKUMCHUCK CREEK
35–3500 to 35–3900



LISTING OF STREAMS NUMERICALLY BY WATERSHED CODE
FOR SUBDISTRICT 30
LOWER KOOTENAYS

Watershed Code	Gazetted Name	Local Name
33-0300	UPPER PRIEST R	
33-0300-100-050	UNNAMED LAKES C	NUN LAKES C
33-0300-110	MONK C	
33-0300-110-400	UNNAMED C	MONK LAKE C
34	KOOTENAY R	LOWER KOOTENAY R
34-7385	MIDGELEY C	
34-7400	DUCK C	
34-7400-040	UNNAMED C	
34-7500	SUMMIT C	
34-7500-040	BLAZED C	
34-7500-040-020	BLUEBIRDC	
34-7500-070	PLACER C	
34-7500-090	BAYONNE C	
34-7500-120	UNNAMED C	HEATHER LAKE C
34-7600	CORN C	
34-7700	GOAT R	
34-7700-040	ARROW C	
34-7700-060	KITCHENER C	
34-7700-060-03	0KID C	
34-7700-060-030-030	SPIDER C	
34-7700-060-030-060	UNNAMED C	
34-7700-060-040	HAZEL C	
34-7700-060-050	CARROLL C	
34-7700-080	LEADVILLE C	
34-7700-080-500	UNNAMED C	LEADVILLE LAKE C
34-7700-090	HALL C	HALLMARK C
34-7700-110	CAMERON C	
34-7700-120	KIANUKO C	
34-7700-120-020	SKELLY C	WOODENSHOE LAKE C
34-7700-120-070	UNNAMED C	HAYSTACK #2 LAKE C
34-7700-120-080	UNNAMED C	HAYSTACK #4 LAKE C
34-7700-120-090	UNNAMED C	HAYSTACK #5 LAKE C
34-7700-140	KAMMA C	
34-7700-140-800	UNNAMED C	KAMMA #1 LAKE C
34-7700-160	KUTTAT C	
34-7795	RYKERT C	
34-7800	BOUNDARY C	
34-8000	MOYIER	
34-8000-010	LITTLE MOYIER	
34-8000-050	HAWKINS C	
34-8000-050-020	CANUCK C	
34-8000-070	ENGLISHMAN C	
34-8000-075	UNNAMED LAKE C	RYAN PARK LAKE C
34-8000-100	IRISHMAN C	
34-8000-130	STONE C	
34-8000-140	SUNDOWN C	
34-8000-150	SUNRISE C	
34-8000-210	LAMB C	
34-8000-210-010	LITTLE LAMB C	
34-8000-220	UNNAMED C	MINERAL LAKE C

Watershed Code	Gazetted Name	Local Name
34-8000-240	PEAVINE C	
34-8000-240-012	UNNAMED C	HIAWATHA LAKE C
34-8000-250	MONROE C	
34-8000-260	PALMER BAR C	
34-8000-260-010	KIAKHO C	
34-8000-380	SOUTH MOYIE C	
34-8000-380-010	COOPER C	
34-8000-390	UNNAMED C	KURT LAKE C
34-8100	YAHK R	
34-8100-010	WEST YAHK R	
34-8100-010-030	FREEMAN C	
34-8100-020	GILNOCKIE C	
34-8100-020-080	UNNAMED C	RANGER LAKE C
35-0300	LINKLATER C	
35-0300-008	UNNAMED C	NORTHLINKLATER C
35-0300-010	PURCELL C	
35-0300-090	UNNAMED LAKE C	FITZPATRICK LAKE C
35-0450	UNNAMED LAKE C	MUDLAKE C
35-0500	GOLD C	
35-0500-015	UNNAMED LAKE C	CHAIN #2 LAKE C
35-0500-020	CAVEN C	
35-0500-020-010	BLOOM C	
35-0500-020-010-090	UNNAMED LAKE C	BOUNDARY LAKE C
35-0500-020-023	UNNAMED C	
35-0500-020-030	HALLER C	
35-0500-020-030-900	UNNAMED C	
35-0500-021	UNNAMED LAKE C	CHAIN #1 LAKE C
35-0500-030	TEEPEE C	
35-0600	ENGLISHMAN C	
35-1080	UNNAMED LAKE CLOST LAKE C	
35-1090	UNNAMED C	DEEP LAKE C
35-1100	PLUM BOB C	
35-1500	HAHA C	
35-1500-010	EDITH C	
35-2400	STMARY R	
35-2400-010	JOSEPH C	
35-2400-010-010	HOSPITAL C	HIGHWAY C
35-2400-010-010-010	JIM SMITH C	
35-2400-010-010-010-030	ANGUS C	
35-2400-040	PERRY C	
35-2400-040-010	STAPLES C	
35-2400-040-140	MANCHESTER C	
35-2400-040-170	SHORTY C	
35-2400-040-200	UNNAMED C	UPPER RICHMOND LAKE C
35-2400-055	UNNAMED LAKE	CLISBON LAKE C
35-2400-060	MARK C	
35-2400-060-660	UNNAMED C	
35-2400-070	PITT C	
35-2400-090	MATTHEW C	
35-2400-100	PUDDING BURN C	
35-2400-120	HELLROARING C	
35-2400-160	MEACHEN C	
35-2400-160-030	UNNAMED C	WHITEBOAR LAKE C
35-2400-160-040	UNNAMED C	AILSA LAKE C

Watershed Code	Gazetted Name	Local Name
35-2400-160-070	UNNAMED C	DENNIS LAKE C
		HOURGLASS LAKE C
35-2400-160-090	UNNAMED C	UPPER MEACHEN LAKES C
35-2400-170	REDDING C	
35-2400-170-040	HALL LAKE C	
35-2400-170-060	PARKERS C	
35-2400-170-080	BAKER C	
35-2400-170-110	UNNAMED C	BAKER LAKE C
35-2400-190	DEWAR C	
35-2400-190-010	WHITE C	
35-2400-190-010-010	UNNAMED C	BURNT C
35-2400-190-010-030	UNNAMED C	BERGLIEN LAKE C
		BOULDER C
		LINDSAY LAKE C
35-2400-190-010-050	JURAK C	ALCAN LAKE C
35-2400-190-010-070	SPADE C	
35-2400-190-050	COPPERY C	
35-2400-190-060	CALAMITY C	
35-2400-190-100	UNNAMED C	WESTLY C
35-2400-200	HUNGRY C	HUNGARY C
35-2400-250	SAWYER C	
35-2400-270	LAPOINTE C	
35-2440	UNNAMED LAKE C	CAMPBELL LAKE C
		CAMPBELL MEYER LAKE C
35-2500	LAKIT C	
35-2550	UNNAMED LAKE C	FRANCIS LAKE C
35-2560	UNNAMED LAKE C	ADRIEN LAKE C
35-2600	SAUGUM C	
35-2600-020	GRUNDY C	SOWERBY C
35-2700	MATHER C	
35-2700-010	WAIT C	
35-2700-010-010	HAHAS LAKE C	STONEY LAKE C
35-2700-020	LOST DOG C	MCNAIR LAKES C
35-2800	LEWIS C	
35-2800-020	UNNAMED C	LAZY LAKE C
35-2850	UNNAMED LAKE C	HAHAS POTHOLE C
		SOLAR LAKE C
35-2900	HANSON C	WASA LAKE C
35-3000	TATA C	
35-3100	UNNAMED C	ECHOES LAKES C
		REED C
35-3500	SKOOKUMCHUCK C	
35-3500-040	SANDOWN C	
35-3500-040-010	UNNAMED C	COPPER LAKE C
35-3500-050	BRADFORD C	
35-3500-070	BUHL C	
35-3500-080	UNNAMED C	PLATEAU LAKE C
35-3600	TAMARACK C	
35-3700	LARCHWOOD LAKE C	
35-3800	JOHNSON LAKE C	
35-3900	COPPER C	
35-4000	FINDLAY C	
35-4000-040	DEER C	FISHER MAIDEN LAKE C
35-4000-050	LAVINGTON C	
35-4000-050-010	UNNAMED C	BEAR LAKE C

Watershed Code	Gazetted Name	Local Name
35-4000-050-030	UNNAMED C	SNAG LAKE C
35-4000-060	DOCTOR C	
35-4000-060-500	UNNAMED C	HIDDEN LAKE C
35-4000-060-500-900	UNNAMED C	PARADISE LAKE C
35-4000-060-600	UNNAMED C	BLAKE LAKE C
35-4000-060-900	UNNAMED C	CACHE LAKE C
35-4000-070	UNNAMED C	BROWN LAKE C
35-4000-080	UNNAMED C	BEARLAKE C

LISTING OF STREAMS ALPHABETICALLY BY WATERSHED CODE
SUBDISTRICT 30
LOWER KOOTENAYS

Watershed Code	Gazetted Name	Local Name
35-2400-010-010-010-030	ANGUS C	
34-7700-040	ARROW C	
35-2400-170-080	BAKER C	
34-7500-090	BAYONNE C	
34-7500-040	BLAZED C	
35-0500-020-010	BLOOM C	
34-7500-040-020	BLUEBIRD C	
34-7800	BOUNDARY C	
35-3500-050	BRADFORD C	
35-3500-070	BUHL C	
35-2400-190-060	CALAMITY C	
34-7700-110	CAMERON C	
34-8000-050-020	CANUCK C	
34-7700-060-050	CARROLL C	
35-0500-020	CAVEN C	
34-8000-380-010	COOPER C	
35-3900	COPPER C	
35-2400-190-050	COPPERY C	
34-7600	CORN C	
35-4000-040	DEER CDEER C	FISHER MAIDEN LAKE C
35-2400-190	DEWAR C	
35-4000-060	DOCTOR C	
34-7400	DUCK C	
35-1500-010	EDITH C	
35-0600	ENGLISHMAN C	
34-8000-070	ENGLISHMAN C	
35-4000	FINDLAY C	
34-8100-010-030	FREEMAN C	
34-8100-020	GILNOCKIE C	
34-7700	GOAT R	
35-0500	GOLD C	
35-2600-020	GRUNDY C	SOWERBY C
35-1500	HAHA C	
35-2700-010-010	HAHAS LAKE C	STONEY LAKE C SOLAR LAKE C
35-2400-170-040	HALL LAKE C	
34-7700-090	HALL C	HALLMARK C
35-0500-020-030	HALLER C	
35-2900	HANSON C	WASA LAKE C
34-8000-050	HAWKINS C	
34-7700-060-040	HAZEL C	
35-2400-120	HELLROARING C	
35-2400-010-010	HOSPITAL C	HIGHWAY C
35-2400-200	HUNGRY C	HUNGARY C
34-8000-100	IRISHMAN C	
35-2400-010-010-010	JIM SMITH C	
35-3800	JOHNSON LAKE C	
35-2400-010	JOSEPH C	
35-2400-190-010-050	JURAK C	ALCAN LAKE C
34-7700-140	KAMMA C	

Watershed Code	Gazetted Name	Local Name
34-8000-260-010	KIAKHO C	
34-7700-120	KIANUKO C	
34-7700-060	KITCHENER C	
34	KOOTENAY R	LOWER KOOTENAY R
34-7700-160	KUTTAT C	
35-2500	LAKIT C	
34-8000-210	LAMB C	
35-2400-270	LAPOINTE C	
35-3700	LARCHWOOD LAKE C	
35-4000-050	LAVINGTON C	
34-7700-080	LEADVILLE C	
35-2800	LEWIS C	
35-0300	LINKLATER C	
34-8000-210-010	LITTLE LAMB C	
34-8000-010	LITTLE MOYIER	
35-2700-020	LOST DOG C	MCNAIR LAKES C
35-2400-040-140	MANCHESTER C	
35-2400-060	MARK C	
35-2700	MATHER C	
35-2400-090	MATTHEW C	
35-2400-160	MEACHEN C	
34-7385	MIDGELEY C	
33-0300-110	MONK C	
34-8000-250	MONROE C	
34-8000	MOYIER	
34-7700-060-03	OKID C	
34-8000-260	PALMER BAR C	
35-2400-170-060	PARKERS C	
34-8000-240	PEAVINE C	
35-2400-040	PERRY C	
35-2400-070	PITT C	
34-7500-070	PLACER C	
35-1100	PLUM BOB C	
35-2400-100	PUDDING BURN C	
35-0300-010	PURCELL C	
35-2400-170	REDDING C	
34-7795	RYKERT C	
35-3500-040	SANDOWN C	
35-2600	SAUGUM C	
35-2400-250	SAWYER C	
35-2400-040-170	SHORTY C	
34-7700-120-020	SKELLY C	WOODENSHOE LAKE C
35-3500	SKOOKUMCHUCK C	
34-8000-380	SOUTH MOYIE C	
35-2400-190-010-070	SPADE C	
34-7700-060-030-030	SPIDER C	
35-2400-040-010	STAPLES C	
35-2400	STMARY R	
34-8000-130	STONE C	
34-7500	SUMMIT C	
34-8000-140	SUNDOWN C	
34-8000-150	SUNRISE C	
35-3600	TAMARACK C	
35-3000	TATA C	
35-0500-030	TEEPEE C	

Watershed Code	Gazetted Name	Local Name
34-7400-040	UNNAMED C	
35-0500-020-030-900	UNNAMED C	
35-2400-060-660	UNNAMED C	
35-1080	UNNAMED LAKE C	LOST LAKE C
35-0500-020-023	UNNAMED C	
34-7700-060-030-060	UNNAMED C	
35-2560	UNNAMED LAKE C	ADRIEN LAKE C
35-2400-160-040	UNNAMED C	AILSA LAKE C
35-2400-170-110	UNNAMED C	BAKER LAKE C
35-4000-050-010	UNNAMED C	BEAR LAKE C
35-4000-080	UNNAMED C	BEARLAKE C
35-2400-190-010-030	UNNAMED C	BERGLIEN LAKE C
		BOULDER C
		LINDSAY LAKE C
35-4000-060-600	UNNAMED C	BLAKE LAKE C
35-0500-020-010-090	UNNAMED LAKE C	BOUNDARY LAKE C
35-4000-070	UNNAMED C	BROWN LAKE C
35-2400-190-010-010	UNNAMED C	BURNT C
35-4000-060-900	UNNAMED C	CACHE LAKE C
35-2440	UNNAMED LAKE C	CAMPBELL LAKE C
		CAMPBELL MEYER LAKE C
35-0500-015	UNNAMED LAKE C	CHAIN #2 LAKE C
35-0500-021	UNNAMED LAKE C	CHAIN #1 LAKE C
35-2400-055	UNNAMED LAKE	CLISBON LAKE C
35-3500-040-010	UNNAMED C	COPPER LAKE C
35-1090	UNNAMED C	DEEP LAKE C
35-2400-160-070	UNNAMED C	DENNIS LAKE C
		HOURGLASS LAKE C
35-3100	UNNAMED C	ECHOES LAKES C
		REED C
35-0300-090	UNNAMED LAKE C	FITZPATRICK LAKE C
35-2550	UNNAMED LAKE C	FRANCIS LAKE C
35-2850	UNNAMED LAKE C	HAHAS POTHOLE C
34-7700-120-090	UNNAMED C	HAYSTACK #5 LAKE C
34-7700-120-080	UNNAMED C	HAYSTACK #4 LAKE C
34-7700-120-070	UNNAMED C	HAYSTACK #2 LAKE C
34-7500-120	UNNAMED C	HEATHER LAKE C
34-8000-240-012	UNNAMED C	HIAWATHA LAKE C
35-4000-060-500	UNNAMED C	HIDDEN LAKE C
34-7700-140-800	UNNAMED C	KAMMA #1 LAKE C
34-8000-390	UNNAMED C	KURT LAKE C
35-2800-020	UNNAMED C	LAZY LAKE C
34-7700-080-500	UNNAMED C	LEADVILLE LAKE C
34-8000-220	UNNAMED C	MINERAL LAKE C
33-0300-110-400	UNNAMED C	MONK LAKE C
35-0450	UNNAMED LAKE C	MUDLAKE C
35-0300-008	UNNAMED C	NORTHLINKLATER C
33-0300-100-050	UNNAMED LAKES C	NUN LAKES C
35-4000-060-500-900	UNNAMED C	PARADISE LAKE C
35-3500-080	UNNAMED C	PLATEAU LAKE C
34-8100-020-080	UNNAMED C	RANGER LAKE C
34-8000-075	UNNAMED LAKE C	RYAN PARK LAKE C
35-4000-050-030	UNNAMED C	SNAG LAKE C
35-2400-160-090	UNNAMED C	UPPER MEACHEN LAKES C
35-2400-040-200	UNNAMED C	UPPER RICHMOND LAKE C

Watershed Code	Gazetted Name	Local Name
35-2400-190-100	UNNAMED C	WESTLY C
35-2400-160-030	UNNAMED C	WHITEBOAR LAKE C
33-0300	UPPER PRIEST R	
35-2700-010	WAIT C	
34-8100-010	WEST YAHK R	
35-2400-190-010	WHITE C	
34-8100	YAHK R	

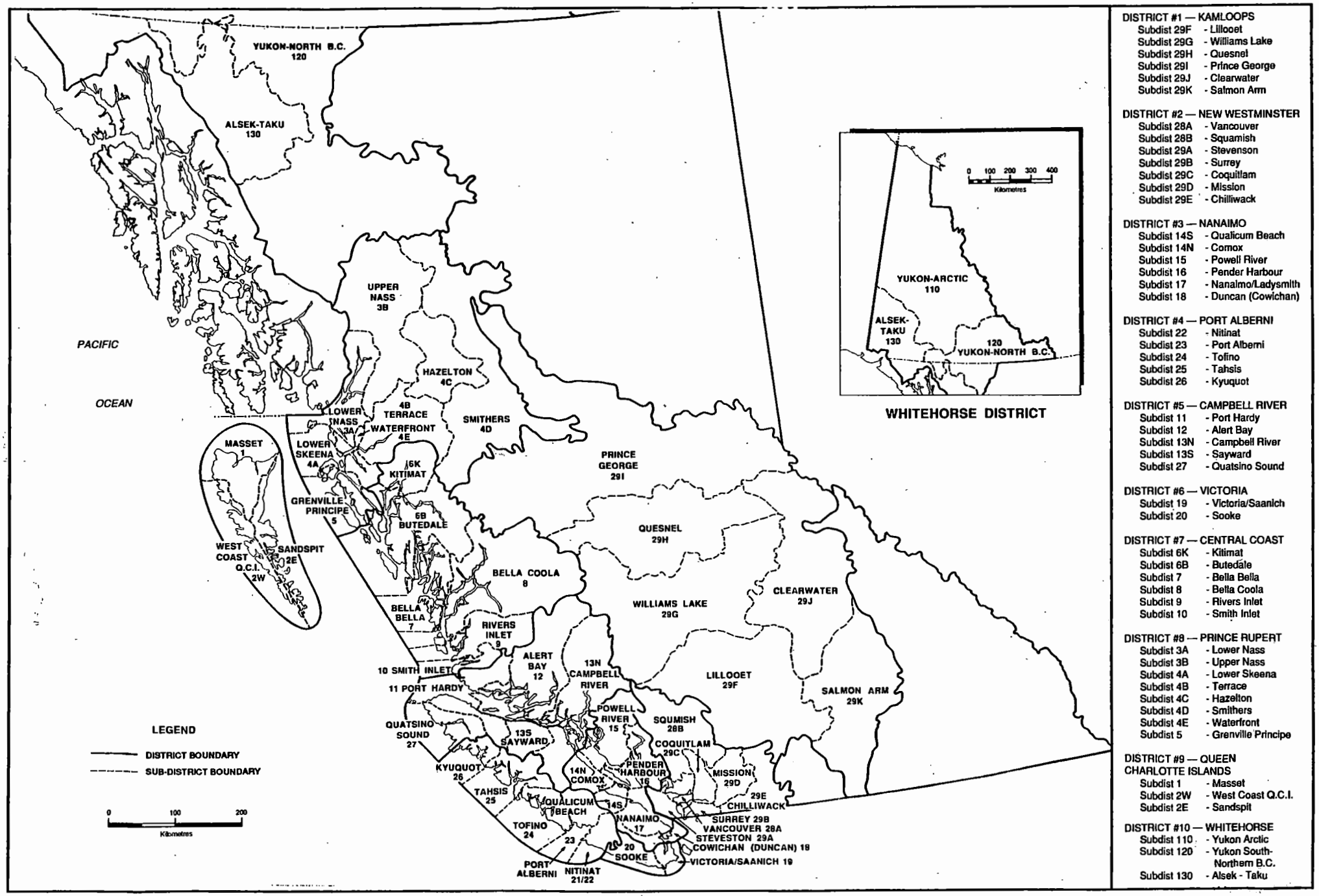
DISTRICT & SUBDISTRICT OFFICES

DISTRICT/ SUBDISTRICT	ADDRESS	PHONE#	SUBDISTRICT
DISTRICT #1	**Kamloops**		
	1278 Dalhousie Drive, Kamloops, V2C 6G3	374-4322	
Salmon Arm	Box 1160, Salmon Arm, V1E 4P3	832-8037	29K
Prince George	2392 Ospika Blvd., Prince George, V2N 3N5	561-5366	29I
Clearwater	Box 610, Clearwater, V0E 1N0	674-2633	29J
Lillooet	Box 315, Lillooet, V0K 1V0	256-4525	29F
Quesnel	1205 North Highway 97, Quesnel, V2J 2Y3	992-2434	29H
Williams Lake	260-D N. Broadway, Williams Lake, V2G 2X9	398-6544	29G
DISTRICT #2	**New Westminster**		
	610 Derwent Way, Annacis Is., New West. V3M 5P8	666-2618	
Vancouver	610 Derwent Way, Annacis Is., New West. V3M 5P8	666-0814	28A
Surrey	610 Derwent Way, Annacis Is., New West. V3M 5P8	666-6742	29B
Coquitlam	610 Derwent Way, Annacis Is., New West. V3M 5P8	666-8590	29C
Steveston	12551 No. 1 Road, Richmond, V7E 1T7	274-7217	29A
Squamish	P.O. Box 2360, Squamish, V0N 3G0	892-3230	28B
Mission	Box 3308, Mission, V2V 4J5	826-3664	29D
Chilliwack	45742A Yale Rd. West, Chilliwack, V2P 2N4	792-1995	29E
DISTRICT #3	**Nanaimo**		
	304-60 Front St., Nanaimo, V9R 5H7	754-0235	
Nanaimo/Ladysmith	304-60 Front St., Nanaimo, V9R 5H7	754-0230	17
Qualicum Beach	Box 1270 Qualicum Beach, V0R 2T0	752-9712	14S
Comox	148 Port Augusta St., Comox, V9N 7Z4	339-2031	14N
Cowichan (Duncan)	Box 241, Duncan, V9L 3X3	746-6221	18
Powell River	7255 Duncan Street, Powell River, V8A 5M6	485-7963	15
Pender Harbour	Box 10, Madeira Park, V0N 2H0	883-2313	16
DISTRICT #4	**Port Alberni**		
	3019 Fourth Ave., Port Alberni, V9Y 2B8	724-0195	
Port Alberni	3019 Fourth Ave., Port Alberni, V9Y 2B8	724-0195	23
Nitinat	3019 Fourth Ave., Port Alberni, V9Y 2B8	724-0195	22
Kyuquot	Box 549, Tahsis, V0P 1X0	934-6355	26
Tahsis	Box 549, Tahsis, V0P 1X0	934-6355	25
Tofino	Box 48, Tofino, V0R 2Z0	725-3468	24
DISTRICT #5	**Campbell River**		
	940 Alder St., Campbell River, V9W 2P7	287-2102	
Campbell River	940 Alder St., Campbell River, V9W 2P7	287-2102	13
Port Hardy	Box 10, Port Hardy, V0N 2P0	949-6422	11
Alert Bay	Box 9, Alert Bay, V0N 1A0	974-5216	12
Sayward	940 Alder St., Campbell River, V9W 2P7	287-2102	
Quatsino Snd.	Box 10, Port Hardy, V0N 2P0	949-6731	27
DISTRICT #6	**Victoria**		
	423-1230 Government St., Victoria, V8W 1Y3	363-3252	
Victoria/Saanich	423-1230 Government St., Victoria, V8W 1Y3	363-3252	19
Sooke	Box 460, Sooke, V0S 1N0	642-5322	20
DISTRICT #7	**Central Coast**		
	117-417 2nd Ave. West, Prince Rupert, V8J 1G8	624-0423	
Kitimat	315-450 Federal Building, Kitimat, V8C 1T6	632-4884	6
Butedale	115-417 2nd Ave. West, Prince Rupert, V8J 1G8	624-0424	6
Bella Bella	Box 38, Bella Bella, V0T 1B0	957-2363	7
Bella Coola	Box 130, Bella Coola, V0T 1C0	799-5345	8
Rivers Inlet	Dawsons Landing, P.O. Rivers Inlet, V0N 1M0	N688739 949-4961	9
Smith Inlet	Dawsons Landing, P.O. Rivers Inlet, V0N 1M0	N688739 949-4961	10
DISTRICT #8	**Prince Rupert**		
	109-417 2nd Ave. West, Prince Rupert, V8J 1G8	624-9137	
Waterfront	109-417 2nd Ave. West, Prince Rupert, V8J 1G8	624-9137	
Lower Skeena	109-417 2nd Ave. West, Prince Rupert, V8J 1G8	624-9137	4A

Grenville Principle	109-417 2nd Ave. West, Prince Rupert, V8J 1G8	624-9137	5
Lower Nass	109-417 2nd Ave. West, Prince Rupert, V8J 1G8	624-9137	3A
Upper Nass	Box 29, Nass Camp, V0J 3J0	633-2408	3B
Hazelton	Box 490, New Hazelton, V0J 2J0	842-6327	4C
Smithers	Box 578, Smithers, V0J 2N0	847-2312	4D
Terrace	4721-B Lazelle Ave., Terrace, V8G 1R6	635-2206	4B
DISTRICT #9	**Queen Charlotte Islands**		
	Box 99, Queen Charlotte City, V0T 1S0	559-4413	
West Coast QCI	Box 99, Queen Charlotte City, V0T 1S0	559-4413	2W
Masset	Box 99, Masset, V0T 1M0	626-3316	1
Sandspit	Box 222, Sandspit, V0T 1T0	637-5340	2E
DISTRICT #10	**Whitehorse**		
	122 Industrial Rd., Whitehorse, Y.T., Y1A 2T9	667-4509	
Yukon-N.B.C.	122 Industrial Rd., Whitehorse, Y.T., Y1A 2T9	667-4509	120
Yukon-Arctic	122 Industrial Rd., Whitehorse, Y.T., Y1A 2T9	667-4509	110
Alsek-Taku	122 Industrial Rd., Whitehorse, Y.T., Y1A 2T9	667-4509	130

HABITAT MANAGEMENT OFFICES

Vancouver	555 West Hastings St. Vancouver, V6B 5G3	666-6566
New Westminster	610 Derwent Way, New Westminster, V3M 5P8	666-6479
Nanaimo	3225 Stephenson Point Road, Nanaimo, V9T 1K3	756-7284
Prince Rupert	716 Fraser St., Prince Rupert, V8J 1P9	624-0453
Eastern B.C.	Stn. 327 555 W. Hastings St., Vancouver, V6B 5G3	666-2820



DISTRICT #1 — KAMLOOPS
- Subdist 29F - Lillooet
- Subdist 29G - Williams Lake
- Subdist 29H - Quesnel
- Subdist 29I - Prince George
- Subdist 29J - Clearwater
- Subdist 29K - Salmon Arm

DISTRICT #2 — NEW WESTMINSTER
- Subdist 28A - Vancouver
- Subdist 28B - Squamish
- Subdist 29A - Stevenson
- Subdist 29B - Surrey
- Subdist 29C - Coquitlam
- Subdist 29D - Mission
- Subdist 29E - Chilliwack

DISTRICT #3 — NANAIMO
- Subdist 14S - Qualicum Beach
- Subdist 14N - Comox
- Subdist 15 - Powell River
- Subdist 16 - Pender Harbour
- Subdist 17 - Nanaimo/Ladysmith
- Subdist 18 - Duncan (Cowichan)

DISTRICT #4 — PORT ALBERNI
- Subdist 22 - Nitinat
- Subdist 23 - Port Alberni
- Subdist 24 - Tofino
- Subdist 25 - Tahsis
- Subdist 26 - Kyuquot

DISTRICT #5 — CAMPBELL RIVER
- Subdist 11 - Port Hardy
- Subdist 12 - Alert Bay
- Subdist 13N - Campbell River
- Subdist 13S - Sayward
- Subdist 27 - Quatsino Sound

DISTRICT #6 — VICTORIA
- Subdist 19 - Victoria/Saanich
- Subdist 20 - Sooke

DISTRICT #7 — CENTRAL COAST
- Subdist 6K - Kitimat
- Subdist 6B - Butedale
- Subdist 7 - Bella Bella
- Subdist 8 - Bella Coola
- Subdist 9 - Rivers Inlet
- Subdist 10 - Smith Inlet

DISTRICT #8 — PRINCE RUPERT
- Subdist 3A - Lower Nass
- Subdist 3B - Upper Nass
- Subdist 4A - Lower Skeena
- Subdist 4B - Terrace
- Subdist 4C - Hazelton
- Subdist 4D - Smithers
- Subdist 4E - Waterfront
- Subdist 5 - Grenville Principe

DISTRICT #9 — QUEEN CHARLOTTE ISLANDS
- Subdist 1 - Masset
- Subdist 2W - West Coast Q.C.I.
- Subdist 2E - Sandspit

DISTRICT #10 — WHITEHORSE
- Subdist 110 - Yukon Arctic
- Subdist 120 - Yukon South-Northern B.C.
- Subdist 130 - Alsek - Taku

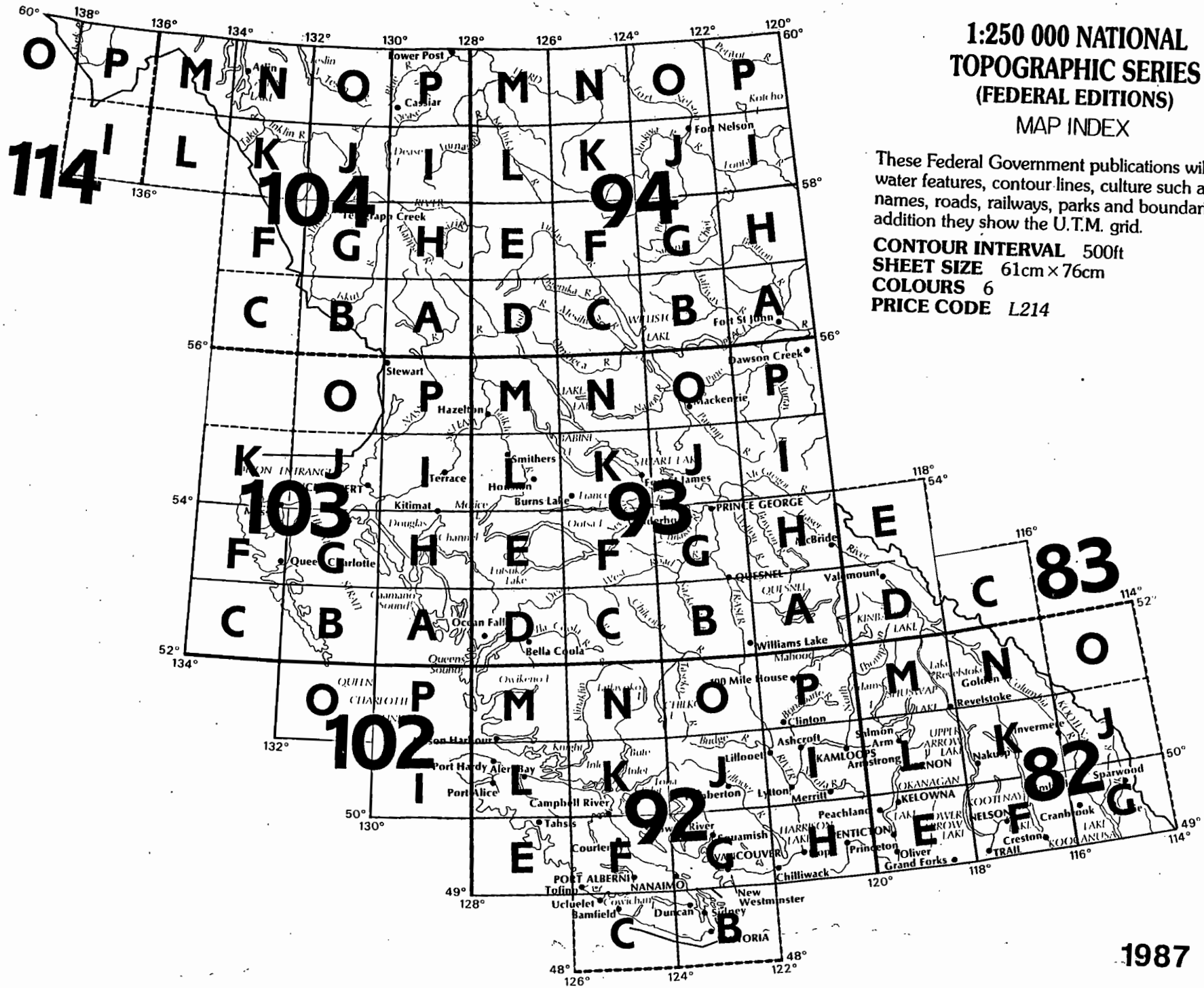
23/07/91


Province of British Columbia
MINISTRY OF ENVIRONMENT
REGIONAL BOUNDARIES
Revised October 1989
Regional Boundary and Number —4
Regional Centre ●
Sub Regional Centre ○
Scale
SKEENA
NORTHERN
OMINECA
PEACE
CARIBOO
KOOTENAY
SOUTHERN INTERIOR
LOWER MAINLAND
VANCOUVER ISLAND
1
2
3
4
5
6
PACIFIC OCEAN
PRINCE RUPERT
PRINCE GEORGE
VANCOUVER
VICTORIA
KAMLOOPS
KELOWNA
PENTICTON
NELSON
CRANBROOK
QUESNEL
DIXON ENTRANCE
HECATE STRAIT
QUEEN CHARLOTTE SOUND
GEORGIA STRAIT
JUAN DE FUCA STRAIT
Fraser River
Columbia River
Peace River
Liard River
Stikine River
Skeena River
Nass River
Yukon Territory
N.W.T.
ALBERTA
WASHINGTON
Drawn and Produced by Mapping Section Surveys and Mapping Branch Ministry of Environment Province British Columbia

1:250 000 NATIONAL TOPOGRAPHIC SERIES
(FEDERAL EDITIONS)
MAP INDEX

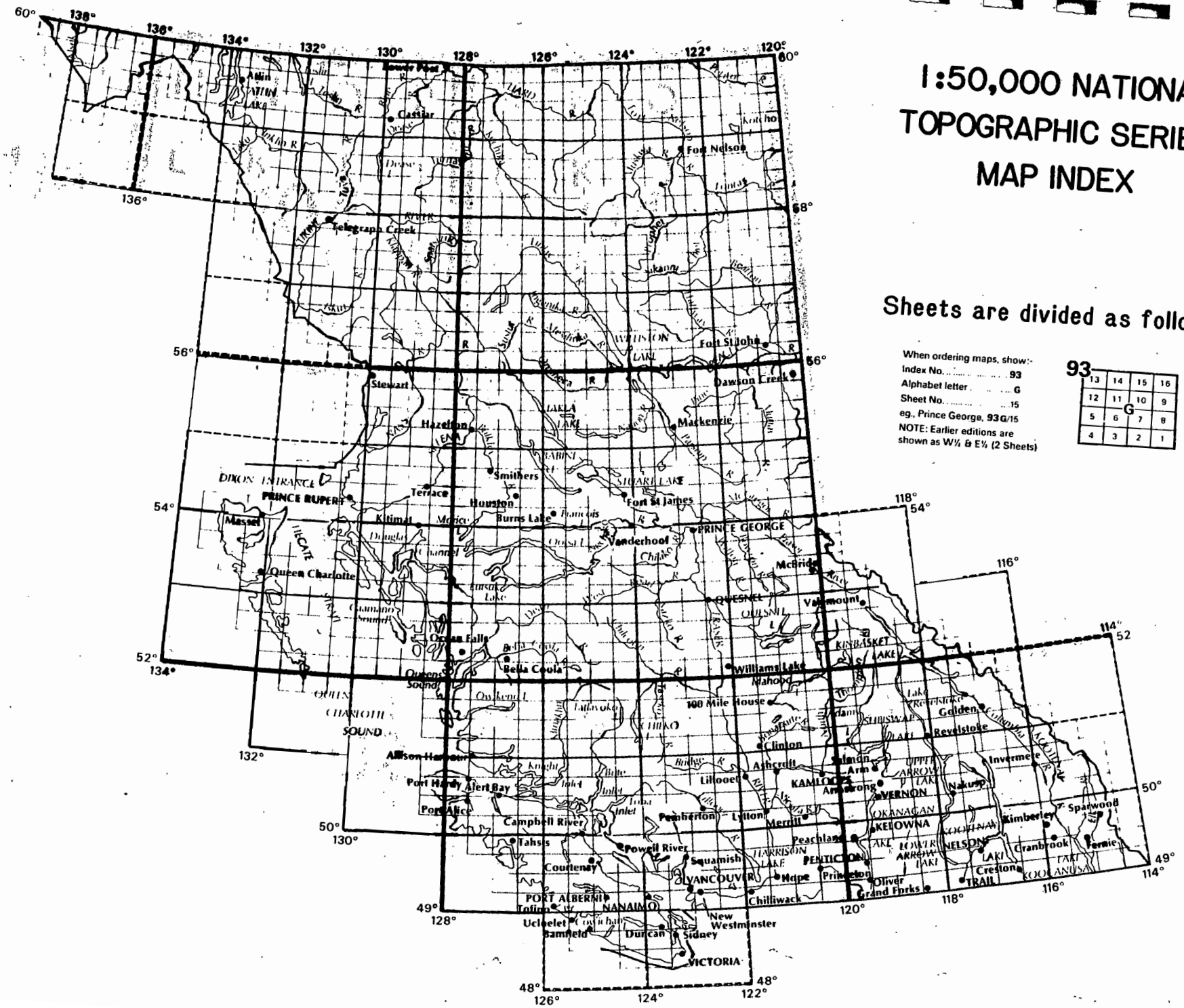
These Federal Government publications will show water features, contour lines, culture such as place names, roads, railways, parks and boundaries. In addition they show the U.T.M. grid.

CONTOUR INTERVAL 500ft
SHEET SIZE 61cm × 76cm
COLOURS 6
PRICE CODE *L214*



1987

1:50,000 NATIONAL TOPOGRAPHIC SERIES MAP INDEX



Sheets are divided as follows:

When ordering maps, show:-
Index No. 93
Alphabet letter ..... G
Sheet No. 15
eg., Prince George, 93G/15
NOTE: Earlier editions are shown as W½ & E½ (2 Sheets)

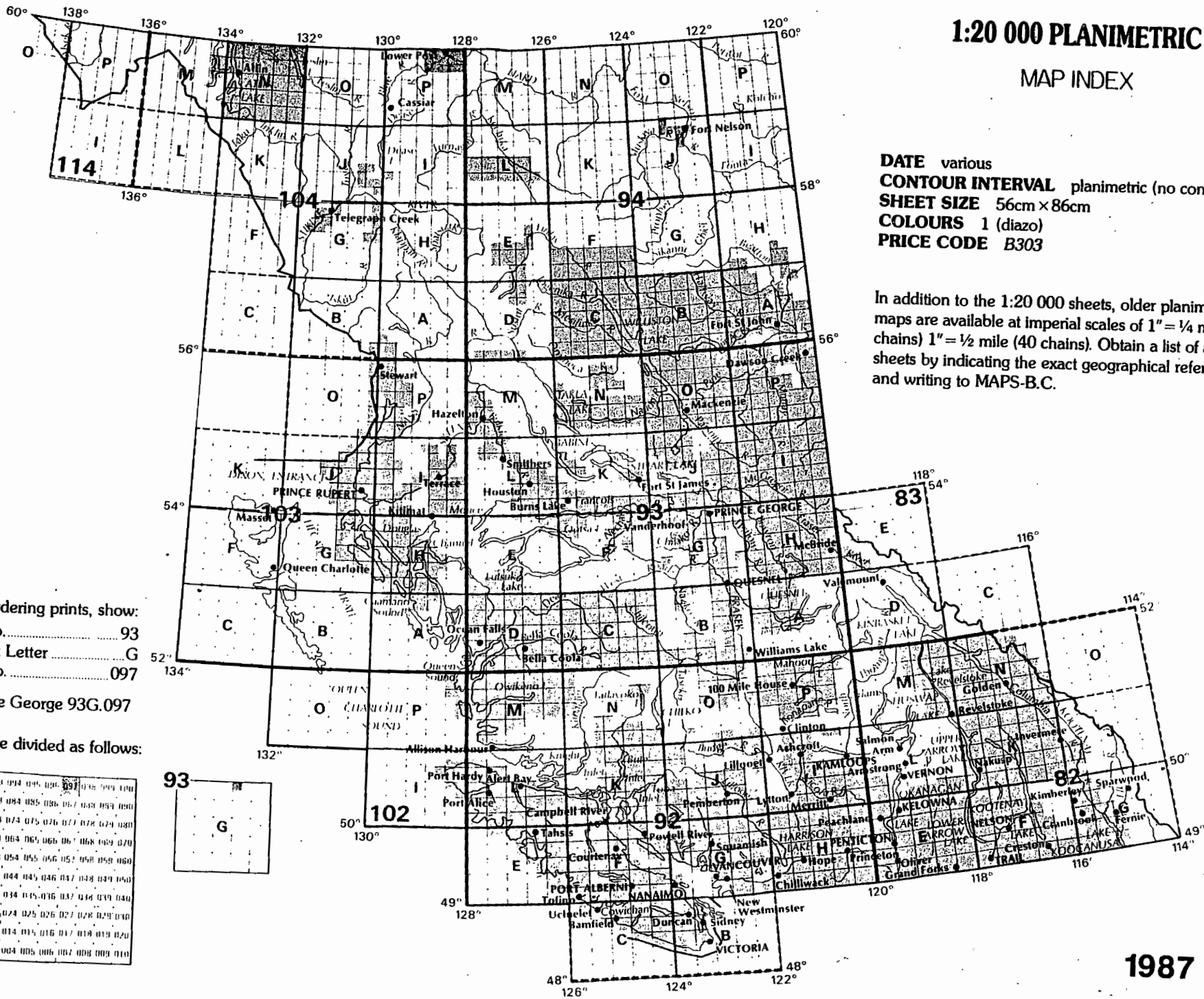
93

13	14	15	16
12	11	10	9
5	6	7	8
4	3	2	1

G

1:20 000 PLANIMETRIC

MAP INDEX



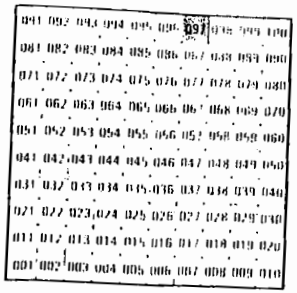
DATE various
CONTOUR INTERVAL planimetric (no contours)
SHEET SIZE 56cm × 86cm
COLOURS 1 (diazo)
PRICE CODE *B303*

In addition to the 1:20 000 sheets, older planimetric maps are available at imperial scales of 1" = ¼ mile (20 chains) 1" = ½ mile (40 chains). Obtain a list of available sheets by indicating the exact geographical reference and writing to MAPS-B.C.

When ordering prints, show:
Index No. 93
Alphabet Letter ..... G
Sheet No. 097

eg. Prince George 93G.097

Sheets are divided as follows:



1987

2.0 USER GUIDES

2.1 STREAM INFORMATION SUMMARY (SIS)

The Stream Information Summary (SIS) form, designed by the Fish Habitat Inventory & Information Program, has been used by Departmental staff and contractors to compile existing information on a stream by stream basis. A companion computer database, the Stream Information Summary System (SISS), is designed for the input, storage and output of SIS information. The SISS "User's Manual" provides details on coding SIS forms and operation of the computer system. A number of codes are used during data entry to SISS. In all cases the equivalent of the code is printed on the SISS output. Notwithstanding, a complete list of codes is provided in Tables 1 and 2. Most information on the SIS form is linked to a reference number. The source of the information can, therefore, be determined from the reference list at the back of each SIS printout. Although the preparation of Stream Information Summaries has been thorough, the focus has been on collecting key information rather than all information. The phrase "no information available" appears on the SIS printout when no information on that subject is contained in the database. The summaries will be updated using SISS as more information becomes available or as more detailed literature searches are undertaken.

Stream Information Summaries, arranged by watershed code, are included in Section 3.0 of the catalogue. The following describes the content of each section in the SIS form and printout (Fig. 2.1).

A. DESCRIPTION

A.1 Stream Name:

The official stream name listed in the "Gazetteer of Canada" or the primary alias is displayed here. The primary alias may be used if the gazetted name is unavailable.

A.2 Local Name

Any local name(s) are listed.

A.3 Watershed Code:

The watershed code is a unique number which identifies a stream and the watershed that it is in. The hierarchical nature of the watershed coding system allows features associated with basins or channels to be aggregated or separated to the desired level of detail. A dictionary of watershed codes is available from the Water Management Branch, Ministry of Environment and Parks, Victoria.

A.4 Tributaries:

A list of tributaries to the stream is provided. The "code" when added to the stream's watershed code gives the tributary watershed code. Example:

Cowichan River watershed code= 92-4800
Koksilah River code= 020
Koksilah River watershed code= 92-4800-020

A.5 DFO Division, District, Subdistrict & Statistical Subarea:

The DFO management areas in which the stream mouth is located are listed.

A.6 MOEP Region, Management Unit:

The MOEP management areas in which the stream mouth is located are listed.

A.7 Topographic (1:50K) Map, BCGS (1:20K) Map:

Codes of the National Topographic Series (NTS) map sheet and the British Columbia Geographic System (BCGS) map sheet that show the stream mouth are listed here.

A.8 U.T.M. Mouth:

The Universal Transverse Mercator (UTM) coordinates of the stream mouth are listed. UTM is a metric grid reference system displayed on most 1:50,000 scale NTS maps.

A.9 Lat./Long. Mouth:

The latitude and longitude (degrees, minutes and seconds) of the stream mouth are listed.

A.10 Mainstream Length:

The total mainstem length is provided in kilometres.

A.11 Watershed Area:

The area of the stream's watershed is given in square kilometers.

A.12 Location:

The general location of the stream is listed.

A.13 Gradient:

Location(s) given as a range of kilometers upstream from the mouth are provided for five gradient classes: 0-0.5%, 0.5-2%, 2-5%, 5-10%, 10+%. Any comments on gradient are also listed in this field.

B. OBSTRUCTIONS TO MIGRATION

This section lists barrier type, the height of the barrier (m) as appropriate, the barrier location in kilometers upstream from mouth, the species that are obstructed and any additional comments.

C. FLOW

This section indicates if there is flow control on the system (Y or N), if there is a Water Survey of Canada (WSC) Flow Gauge (Y or N), the station nos. and any comments on flow (eg. low flows, floods).

D. DISTRIBUTION SUMMARY

Species and watershed distribution including spawning, rearing, overwintering, holding, and migration areas are listed.

E. ESCAPEMENT SUMMARY

This section lists the species, mean escapement for a specified period of record, maximum recorded escapement for the same period, management target escapement and any comments on escapement.

F. LIFE HISTORY TIMING

Life history timing is provided by species for each one-half month period by the following activities:migration, spawning, incubation and rearing. The timing of these activities is indicated by an X and the peak by a P.

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Listed in this section are the type of activity, the species affected by the activity, location of the facility in kilometers upstream of the mouth, comments and period of operation.

H. LAND USE/WATER USE/WATER QUALITY

This section lists the type of activity and description of land use; water use or activities affecting water quality.

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

This section may provide comments on fish production potential including habitat potential, constraints to production, opportunities for restoration or enhancement, watershed sensitivity, quality of information to assess the above and the need for inventory data collection.

J. FISHERY OFFICER NARRATIVE

This section indicates the date and person who may have prepared a Fishery Officer Narrative on the stream.

K. SIS COMPLETED BY:

The name of the person(s) completing, checking or updating the information and date (year/month/day) are listed. "Updated by" indicates that some sections of the Stream Information Summary have been revised. These sections are indicated in the database.

Figure 2.1

DFO/MOEP FISH HABITAT INVENTORY AND INFORMATION PROGRAM
STREAM INFORMATION SUMMARY

Watershed Code:
Stream Name:

A. DESCRIPTION

Stream Name: A.1 Local Name: A.2 Watershed Code: A.3	D.F.O. Division: District: A.5 Subdistrict: Statistical Subarea: M.O.E.P. Region: Management Unit: A.6

Tributaries	Code
A.4	

Topographic (1:50k) Map: A.7
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: A.8
Lat./Long. Mouth: A.9 DG. ' '' DG. ' ''
Mainstem Length: A.10 km Ref. No.:
Watershed Area: A.11 Ref. No.:

Location: A.12

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
A.13					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: Date:

TABLE 1. LIST OF CODES

Stream Name

R River
C Creek
S Slough
B Brook
G Gulch

Barrier Type

BD Beaver Dam
C Cascade, Chute
CV Culvert
D Dam
F Falls (type unknown)
R Rock
X Log Jam

Enhancement Activities

BX Incubation box
CH Spawning channel
CO Colonization from existing hatchery
EI Estuary improvement
FC Flow control
FP Multiple fish production strategies
FT Lake fertilization
FW Fishway
HC Combination channel/ hatchery
HX Multiple combination hatchery, channel, flow control
HY Conventional hatchery
JH Hatchery, primarily Japanese style technique
LJ Log jam removal
OR Obstruction removal
SC Side channel
SI Stream improvement
TR Transplant
TT Trap/truck over obstruction

Management Activities

CC Creel Census
CF Counting Fence
FS Fish Sampling
MR Mark Recovery

Land Use/Water Use/Water Quality

AG Agriculture
DA Dams
FO Forestry
IP Industrial Processing
LD Linear Development
MI Mining
PR Parks
RE Reserves
UD Urban Development
WQ Water Quality (ie. activities adversely affecting water quality)
WW Water Withdrawal

TABLE 2. FISH SPECIES CODES

AGB	BROWN TROUT (ANAD)
AC	ARCTIC CHAR
ACT	CUTTHROAT TROUT (ANAD)
ADV	DOLLY VARDEN (ANAD)
ACB	BROOK TROUT (ANAD)
AF	ALL FISH
AL	ARCTIC LAMPREY
AO	ALL ONCORHYNCHUS
AS	ATLANTIC SALMON
ASM	ARCTIC SMELT
BB	BURBOT
BCB	BLACK CRAPPIE
BH	CATFISH NERAL
BKH	BLACK BULLHEAD
BL	WESTERN BROOK LAMPREY
BMC	BRASSY MINNOW
BNH	BROWN BULLHEAD
BS	BASS/SUNFISH (GENERAL)
BSB	BROOK STICKLEBACK
BSU	BRIDGELIP SUCKER
BW	BROAD WHITEFISH
C	MINNOWS (GENERAL)
CA	ARCTIC CISCO
CAL	ALEUTIAN SCULPIN
CAS	PRICKLY SCULPIN
CBA	MOTTLED SCULPIN
CBC	CHUB (GENERAL)
CC	SCULPINS (GENERAL)
CCG	SLIMY SCULPIN
CCN	SHORTHEAD SCULPIN
CH	CHINOOK SALMON
CL	LAKE HERRING/CISCO/TULIBEE
CLA	STAGHORN SCULPIN
CM	CHUM SALMON
CMC	CHISELMOUTH CHUB
CO	COHO SALMON
CP	CARP
CRH	TORRENT SCULPIN
CRI	SPOONHEAD SCULPIN
CS	LEAST CISCO
CSU	LARGESCALE SUCKER
CT	CUTTHROAT TROUT
DC	DACE
DV	DOLLY VARDEN
EB	BROOK TROUT
ESC	EMERALD SHINER
EU	EULACHON
FDC	FINESCALE DACE
FHC	FLATHEAD CHUB
GAM	MOSQUITOFISH
GB	BROWN TROUT
GC	GOLDFISH
GE	GO
GR	GRAYLING ARCTIC
GSG	GREEN STURGEON
HW	HUMPBACKED WHITFISH
IN	INCONNU
KO	KOKANEE
L	LAMPREYS (GENERAL)
LDC	LEOPARD DACE
LKC	LAKE CHUB
LMB	LARGEMOUTH BASS
LNC	LONGNOSE DACE
LSM	LONGFIN SMELT
LSU	LONGNOSE SUCKER
LT	LAKE TROUT
LW	LAKE WHITEFISH
MSU	NORTHERN MOUNTAIN SUCKER
MW	ROCKY MOUTAIN WHITEFISH
NP	NORTHERN PIKE
NSC	NORTHERN SQUAWFISH
P	PERCH (GENERAL)
PCC	PEAMOUTH CHUB
PDC	NORTHERN PEARL DACE
PK	PINK SALMON
PL	PACIFIC LAMBREY
PMB	PUMPKINSEED
PW	PIGMY WHITEFISH
RB	RAINBOW TROUT
RDC	NORTHERN REDBELLY DACE
RL	RIVER LAMPREY
RSC	REDSIDED SHINER
RW	ROUND WHITEFISH
SA	SALMON (GENERAL)
SB	STICKLEBACKS (GENERAL)
SDC	SPECKLED DACE
SFL	STARRY FLOUNDER
SG	STURGEONS (GENERAL)
SH	AMERICAN SHAD
SK	SOCKEYE SALMON
SM	SMELTS (GENERAL)
SMB	SMALLMOUTH BASS
ST	STEELHEAD
STC	SPOTTAIL SHINER
SU	SUCKERS (GENERAL)
TC	TENCH
TP	TROUTPERCH
TR	TROUT (GENERAL)
TSB	THREESPINE STICKLEBACK
WF	WHITEFISH (GENERAL)
WP	WALLEYE
WSG	WHITE STURGEON
WSU	WHITE SUCKER
YCT	YELLOWSTONE CUTTHROAT
YP	YELLOWPERCH

2.2 ESCAPEMENT

The last feature of a Stream Information Summary is the Escapement Profile (Fig. 2.2). Briefly this Escapement profile contains the following:

- Page A: The first page is a tabular summary of annual escapement by species from 1953 to the most current data year.
- Pages B & C: When five or more years of data are available, graphs and tables of species escapement and spawn timing are displayed.
- Page D: Two diagrams portray average watershed escapement by species, and escapement as a percentage of the Department of Fisheries and Oceans management units - Subdistrict / District / Division.

A detailed description of each page follows.

Escapement Profile: Detailed Description.

Page A:

The first page is a tabular summary of annual escapement by species from 1953 to the most current data year.

Pages B & C:

Pages B & C contain three rows of panels for the five species of salmon plus steelhead. When data are not available, the panel appears blank. The species are always arrayed from left to right in the following order:

sockeye, coho, pink, chum, chinook, steelhead.

The upper row of six panels contain the annual escapement by species for the past twenty years. The middle row of six panels display spawn timing for the same species and period. The vertical bar indicates the annual start and end of spawning, while the lateral connecting line indicates each year's peak of spawning. The lower row of six panels contain the annual escapement and spawn timing data presented in the upper and middle row of panels.

Page D:

This page contains two diagrams:

- The upper pie chart diagram portrays by species the ten year average watershed escapement and proportional species percentage. Pink even and odd year runs have been combined to provide a 10 year mean.
- The lower histogram illustrates the watershed's escapement as a proportion of the Department of Fisheries and Oceans management units (SUB=Subdistrict / DIS=District / DIV=Division).

The escapement information displayed in pages A,B&C,D of the Escapement Profile was compiled from the Salmon Escapement Data System (SEDS) managed by the Department of Fisheries and Oceans Pacific and Biological Station, Nanaimo. The escapement numbers in this system are from the DFO Annual Report of Salmon Streams and Spawning Populations (BC 16) completed by each subdistrict fishery officer/patrolman following annual stream inspections. Wherever possible SEDS data has been checked against Farwell, M.K., et al. (1987) Can. Data Rep. Fish. Aquat. Sci. #601, (Salmon Escapement to Streams Entering Statistical Areas 28 and 29, 1951 to 1985 and Fraser River, Northern B.C. and Yukon Division management biologist's escapement records in order to provide the best escapement numbers available at the time of publishing. The design and layout of the Escapement Profile was cooperatively developed by the SIS Working Group and SEDS managers.

2.3 BIBLIOGRAPHY

Section 4.0 contains a bibliography of all references used in preparing the Stream Information Summaries. References are arranged both numerically and alphabetically by author. Each citation contains a **reference number, author, description** including title, date and publisher, **location** where the reference can be obtained and **keywords** describing the reference.

2.4 STREAM INFORMATION SUMMARY MAP

During the preparation of Stream Information Summary (SIS) forms, maps of fish distribution, major spawning areas, obstructions to migration and enhancement facilities were drafted on 1:50,000 National Topographic Series bases. Reduced (11" x 17") black and white copies of 1:50,000 topographic maps are contained in Section 5.0 of this catalogue.

Figure 2.2

ESCAPEMENT : EXAMPLE RIVER

WATERSHED-CODE : 93-1000

YEAR	SOCKEYE	COHO	PINK	CHUM	CHINOOK	STEELHEAD
1953	0	1500	0	750	400	400
1954	0	3500	1500	1500	400	400
1955	0	3500	0	400	200	750
1956	0	7500	1500	200	25	750
1957	0	7500	N/O	750	200	750
1958	0	15000	750	1500	200	750
1959	0	7500	N/O	750	200	750
1960	75	15000	400	1500	1500	400
1961	75	35000	N/O	400	400	750
1962	75	15000	400	1500	400	0
1963	25	7500	0	400	400	750
1964	25	75000	25	1500	1500	0
1965	1500	15000	0	1500	750	0
1966	1500	15000	0	400	1500	0
1967	1500	35000	750	750	400	0
1968	1500	15000	0	3500	750	0
1969	200	15000	0	200	400	400
1970	3500	75000	0	7500	7500	0
1971	25	7500	0	N/O	400	0
1972	1500	15000	0	3500	3500	0
1973	N/O	15000	0	200	3500	N/O
1974	75	7500	75	N/O	750	0
1975	75	1500	N/O	200	200	N/O
1976	75	750	75	N/O	75	0
1977	200	400	0	25	75	0
1978	200	2850	0	25	50	150
1979	0	3500	25	25	400	0
1980	0	3000	200	100	500	0
1981	N/O	3500	75	200	750	0
1982	400	8400	200	225	775	0
1983	400	7500	200	200	775	0
1984	0	9000	200	500	1200	0
1985	N/O	500	N/O	300	150	0
1986	100	16000	100	10500	487	0
1987	N/O	12000	N/O	2000	600	0
1988						
1989						
1990						
1991						
1992						
1993						
1994						
1995						

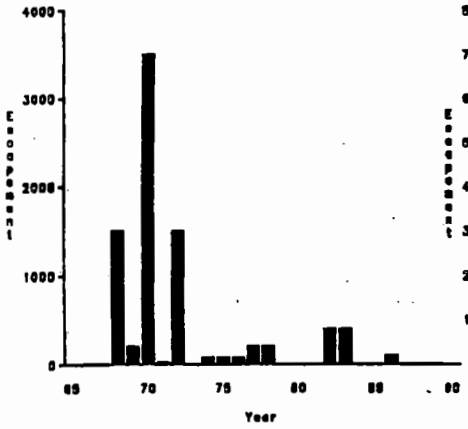
N/O = STREAM INSPECTED,NO FISH OBSERVED

UNK = STREAM NOT INSPECTED OR NOT INSPECTED FOR SPECIES INDICATED OR SPECIES PRESENT BUT NO ESTIMATE MADE

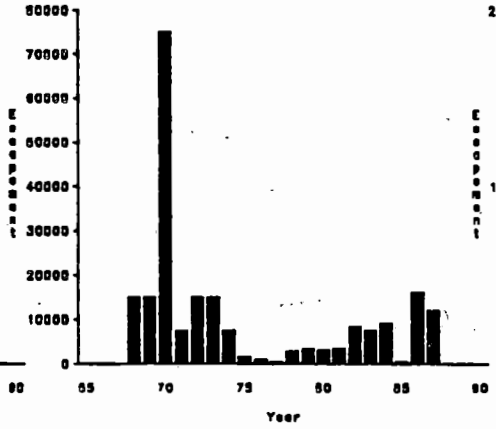
EXAMPLE RIVER (93—1000)

Escapement & Run Timing

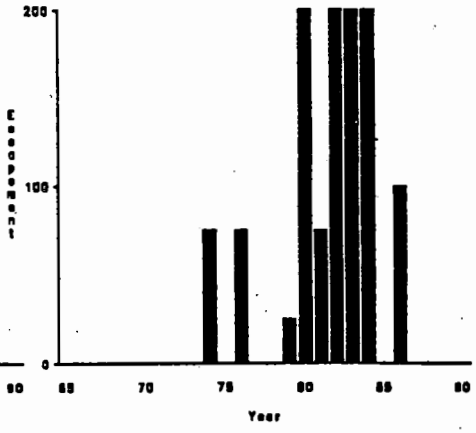
Sockeye (SK)



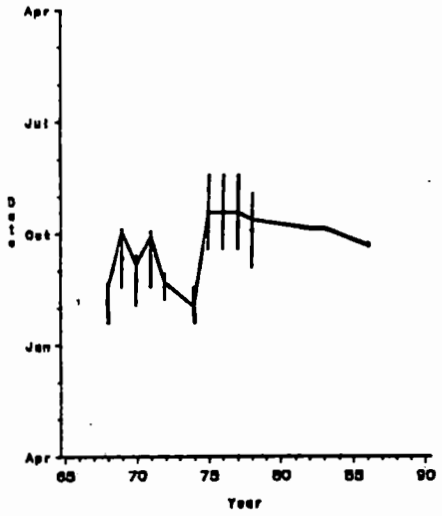
Coho (CO)



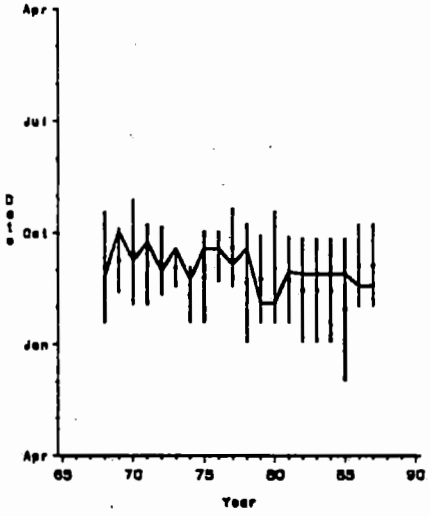
Pink (PK)



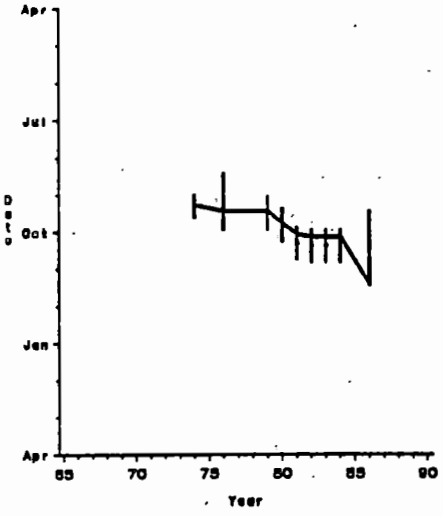
Sockeye



Coho



Pink



Sockeye

Year	Escapement	Start	Peak	End
1968	1,800	11NOV	18NOV	15DEC
1969	200	28SEP	30SEP	15NOV
1970	3,500	20OCT	25OCT	30NOV
1971	25	30SEP	05OCT	15NOV
1972	1,300	04NOV	12NOV	25NOV
1973	0	-	-	-
1974	75	15NOV	01DEC	15DEC
1975	75	15AUG	15SEP	15OCT
1976	75	15AUG	15SEP	15OCT
1977	200	15AUG	15SEP	15OCT
1978	200	30AUG	31SEP	30OCT
1979	0	-	-	-
1980	0	-	-	-
1981	0	-	-	-
1982	400	25SEP	28SEP	28SEP
1983	400	28SEP	28SEP	29SEP
1984	0	-	-	-
1985	0	-	-	-
1986	100	160CT	120CT	130CT
1987	0	-	-	-

Coho

Year	Escapement	Start	Peak	End
1968	15,000	15SEP	07NOV	15DEC
1969	15,000	28SEP	30SEP	25NOV
1970	75,000	06SEP	25OCT	30NOV
1971	7,500	25SEP	10OCT	30NOV
1972	15,000	27SEP	02NOV	12NOV
1973	10,000	10OCT	10OCT	15NOV
1974	7,500	30OCT	15NOV	15DEC
1975	1,500	01OCT	15OCT	15DEC
1976	750	01OCT	15OCT	11NOV
1977	400	12SEP	20OCT	15NOV
1978	3,850	25SEP	15OCT	31DEC
1979	3,000	04OCT	29NOV	15DEC
1980	3,000	15SEP	29NOV	15DEC
1981	3,500	06OCT	02NOV	15DEC
1982	6,400	07OCT	05NOV	31DEC
1983	7,500	07OCT	05NOV	31DEC
1984	8,000	07OCT	05NOV	31DEC
1985	500	07OCT	06NOV	31JAN
1986	15,000	25SEP	15NOV	01DEC
1987	12,000	25SEP	15NOV	01DEC

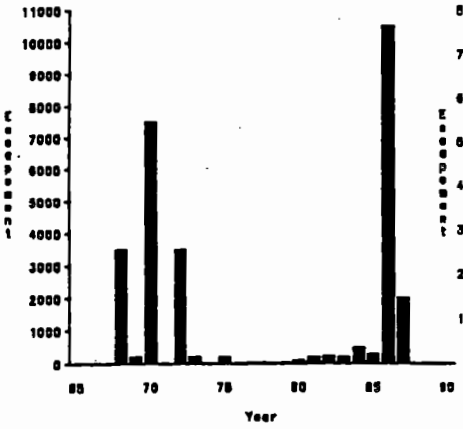
Pink

Year	Escapement	Start	Peak	End
1968	0	-	-	-
1969	0	-	-	-
1970	0	-	-	-
1971	0	-	-	-
1972	0	-	-	-
1973	0	-	-	-
1974	75	01SEP	10SEP	20SEP
1975	0	-	-	-
1976	75	15AUG	15SEP	30SEP
1977	0	-	-	-
1978	0	-	-	-
1979	20	03SEP	15SEP	30SEP
1980	200	13SEP	25SEP	10OCT
1981	75	25SEP	04OCT	25OCT
1982	200	30SEP	08OCT	27OCT
1983	200	30SEP	08OCT	27OCT
1984	200	30SEP	08OCT	27OCT
1985	0	-	-	-
1986	100	15SEP	15NOV	15NOV
1987	0	-	-	-

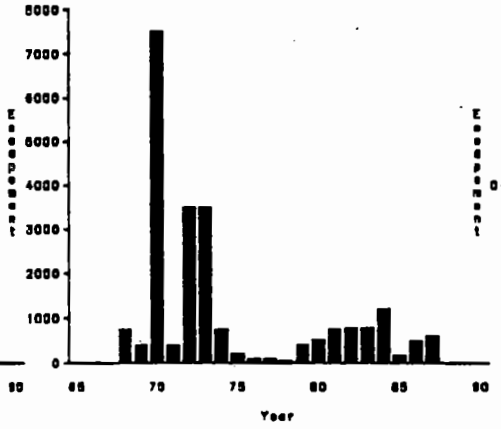
EXAMPLE RIVER (93-1000)

Escapement & Run Timing

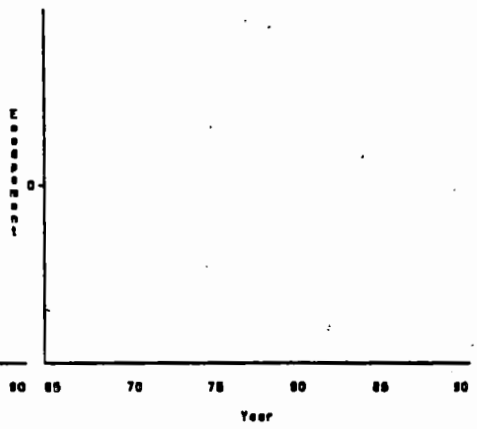
Chum (CM)



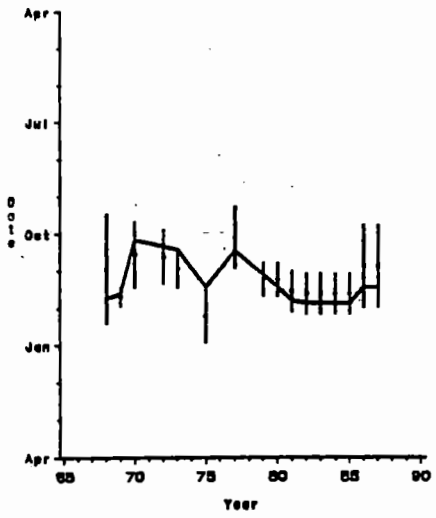
Chinook (CH)



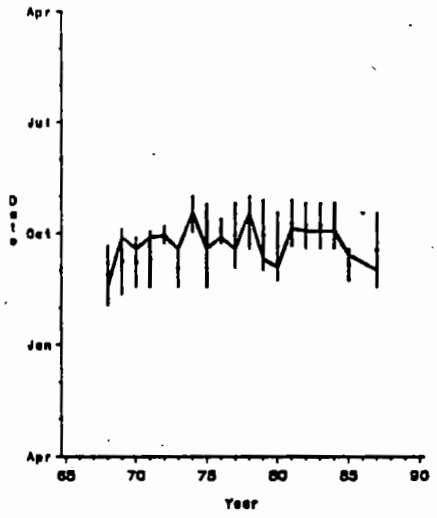
Steelhead (ST)



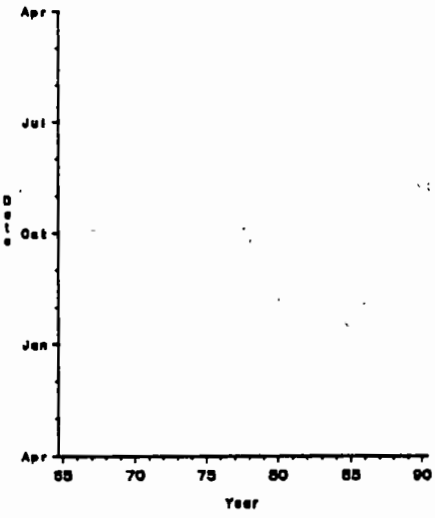
Chum



Chinook



Steelhead



Chum

Year	Escapement	Start	Peak	End
1968	3,500	10SEP	24NOV	10DEC
1969	200	15NOV	28NOV	30NOV
1970	7,500	22SEP	07OCT	15NOV
1971	0	-	-	-
1972	3,500	20SEP	-	12NOV
1973	200	10OCT	15OCT	15NOV
1974	0	-	-	-
1975	300	17NOV	15NOV	31DEC
1976	0	-	-	-
1977	25	10SEP	10OCT	30OCT
1978	25	-	-	-
1979	25	20OCT	05NOV	22NOV
1980	100	20OCT	15NOV	22NOV
1981	200	02NOV	20NOV	08DEC
1982	225	04NOV	25NOV	07DEC
1983	200	04NOV	25NOV	07DEC
1984	500	04NOV	25NOV	07DEC
1985	300	04NOV	25NOV	07DEC
1986	10,500	22SEP	15NOV	01DEC
1987	2,500	22SEP	15NOV	01DEC

Chinook

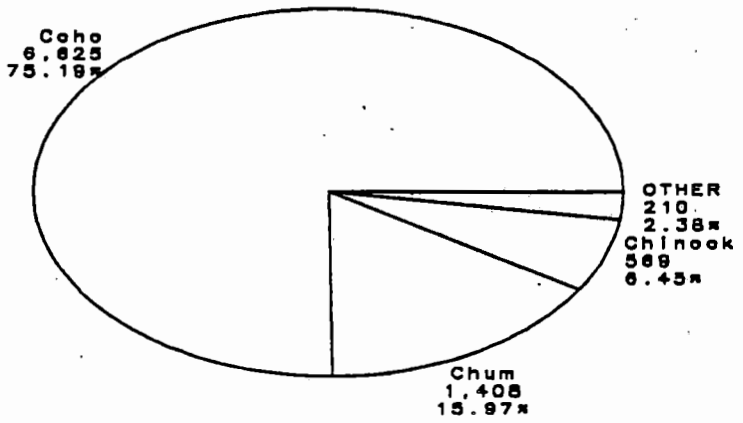
Year	Escapement	Start	Peak	End
1968	750	12OCT	15NOV	30NOV
1969	400	22SEP	05OCT	21NOV
1970	7,300	09OCT	15OCT	15NOV
1971	400	30SEP	05OCT	15NOV
1972	3,500	20SEP	04OCT	10OCT
1973	3,000	10OCT	10OCT	15NOV
1974	750	01SEP	15SEP	01OCT
1975	200	06SEP	15OCT	15NOV
1976	75	22SEP	05OCT	10OCT
1977	75	07SEP	10OCT	30OCT
1978	50	01SEP	15SEP	15OCT
1979	400	06SEP	20OCT	01NOV
1980	500	15SEP	25OCT	10NOV
1981	750	06SEP	25SEP	12OCT
1982	775	07SEP	30SEP	14OCT
1983	775	07SEP	30SEP	14OCT
1984	1,200	07SEP	30SEP	14OCT
1985	100	10OCT	20OCT	10NOV
1986	487	15SEP	-	-
1987	800	15SEP	01NOV	15NOV

Steelhead

Year	Escapement	Start	Peak	End
1968	-	-	-	-
1969	-	-	-	-
1970	-	-	-	-
1971	-	-	-	-
1972	-	-	-	-
1973	-	-	-	-
1974	-	-	-	-
1975	-	-	-	-
1976	-	-	-	-
1977	-	-	-	-
1978	-	-	-	-
1979	-	-	-	-
1980	-	-	-	-
1981	-	-	-	-
1982	-	-	-	-
1983	-	-	-	-
1984	-	-	-	-
1985	-	-	-	-
1986	-	-	-	-
1987	-	-	-	-

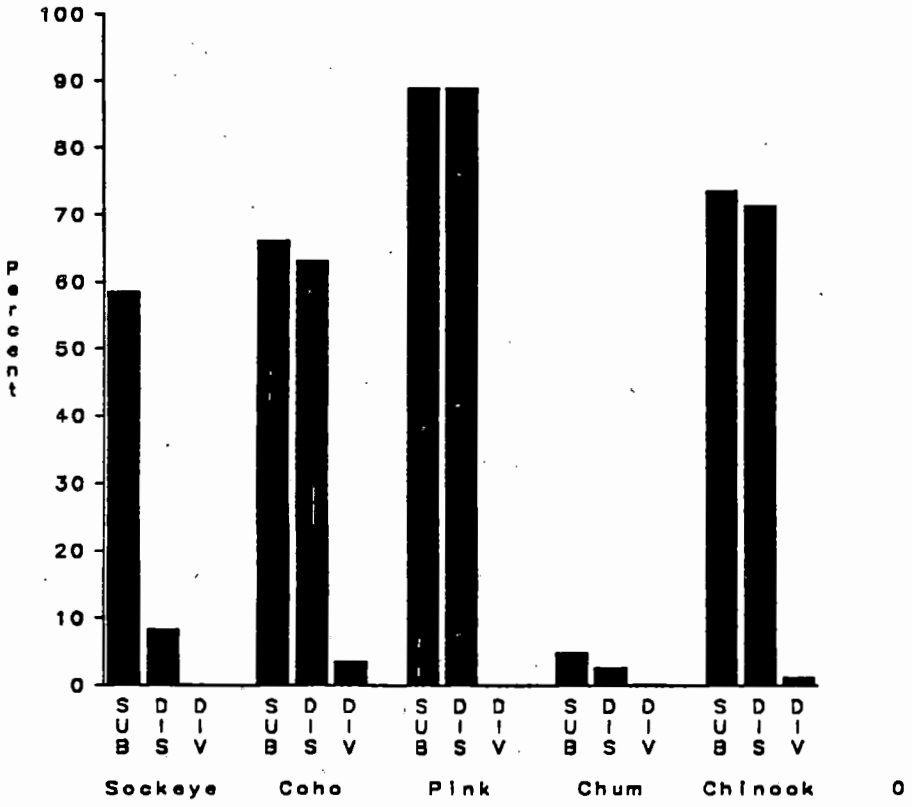
EXAMPLE RIVER (93—1000)

10-yr Mean Escapement
(1978-1987)



EXAMPLE RIVER : Escapement (1978—1987)

Species Escapement as a Proportion of DFO Management Units
(ie Subdistrict, District & Division)



3.0 STREAM SUMMARY

This section of the catalogue contains Stream Information Summaries and Escapement Profiles arranged in ascending order of watershed code. An index of watershed codes and stream names is found in Section 1.0.

A. DESCRIPTION

Stream Name: **UPPER PRIEST RIVER** Local Name: Watershed Code: **33-0300**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code
MONK CREEK	**110**

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5047.54272**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **12.5** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW ACROSS THE U.S. BORDER INTO IDAHO AT THE COORDINATES GIVEN ABOVE. KOOTENAY DIST.. MAINSTEM LENGTH GIVEN, IS FOR THE CANADIAN SECTION OF RIVER.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**THROUGHOUT SECTION IN B.C.. OBSERVED IN THE MAISTEM AT 10.1 KM. STOCKED IN TRIBUTARY LAKES. (REF. 30-22, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

DISTANCES GIVEN IN THIS FILE ARE MEASURED FROM THE U.S. BORDER. (REF. 6N-28)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/15

A. DESCRIPTION

Stream Name: **UNNAMED LAKES CREEK** Local Name: **NUN LAKES CREEK** Watershed Code: **33-0300-100-050**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5015.54285**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: **LOCATED W OF NUN C., COORDINATES GIVEN ABOVE ARE FOR THE LARGER OF THE TWO LAKES. NO VISIBLE SURFACE CONNECTION TO NUN C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: "NUN LAKES": **AREA - 0.03 SQ.KM; PERIMETER - 0.9 KM. AREA - 0.05 SQ.KM; PERIMETER - 1.1 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN BOTH THE "NUN LAKES". (REF. 30-15, REF. 30-24)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN THE "NUN LAKES" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/15

A. DESCRIPTION

Stream Name: **MONK CREEK** Local Name: Watershed Code: **33-0300-110**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code
UNNAMED CREEK	**400**

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5050.54289**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **13.5** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND S INTO UPPER PRIEST R., SW OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN A TRIBUTARY LAKE ("MONK LAKE"). (REF. 30-15, REF. 30-24)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/15

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **MONK LAKE CREEK** Watershed Code: **33-0300-110-400**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5018.54309**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **2.6** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO MONK C. FROM "MONK LAKE", SW OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "MONK LAKE": AREA - 0.04 SQ.KM; PERIMETER - 0.9 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "MONK LAKE". (REF. 30-15, REF. 30-24)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "MONK LAKE" FROM KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/15

A. DESCRIPTION

Stream Name: KOOTENAY RIVER Local Name: LOWER KOOTENAY RIVER Watershed Code: 34	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit:

Tributaries	Code
MIDGELEY CREEK	7385
DUCK CREEK	7400
SUMMIT CREEK	7500
CORN CREEK	7600
GOAT RIVER	7700
RYKERT CREEK	7795
BOUNDARY CREEK	7800
MOYIE RIVER	8000
YAHK RIVER	8100

Topographic (1:50k) Map: 82F/5
B.C.G.S. (1:20k) Map:
U.T.M. Mouth:
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: INCOMPLETE FILE - ONLY CONTAINS DATA FOR SECTION OF RIVER UPSTREAM OF KOOTENAY LAKE.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: 08NH021 Water Survey of Canada (WSC) Flow Gauge: Y
No. 2: 08NH129 No. 3: No. 4:

Comments: ADDITIONAL HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NH028, 08NH092, 08NH093, 08NH094, 08NH095, 08NH096 AND 08NH098. (REF. 8-80)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BB BURBOT	PRESENCE NOTED. (REF. 30-14)
BT BULL TROUT	PRESENCE NOTED. (REF. 30-14, REF. 30-22, REF. 30-32)
EB BROOK TROUT	PRESENCE NOTED. (REF. 30-14, REF. 30-32, REF. 6W-6)
KO KOKANEE	PRESENCE NOTED. (REF. 30-14, REF. 30-22, REF. 30-32)
LMB LARGEMOUTH BASS	PRESENCE NOTED IN SLOUGHS AND PONDS UPSTREAM OF KOOTENAY LAKE. (REF. 30-14, REF. 30-22, REF. 30-32)
MW ROCKY MTN WHITEFISH	PRESENCE NOTED. (REF. 30-14, REF. 30-22, REF. 30-32)
RB RAINBOW TROUT	PRESENCE NOTED. (REF. 30-14, REF. 30-22, REF. 30-32)
SG STURGEONS (GENERAL)	WHITE STURGEON - SPAWNING IN THE RIVER ABOVE KOOTENAY LAKE. (REF. 30-14, REF. 30-31, REF. 30-32)
WCT WESTSLOPE CUTT. TR.	PRESENCE NOTED. (REF. 30-14, REF. 30-22, REF. 30-32)
YP YELLOW PERCH	PRESENCE NOTED IN SLOUGHS AND PONDS UPSTREAM OF KOOTENAY LAKE. (REF. 30-14, REF. 30-22, REF. 30-32)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THE SLOUGHS AND DYKES AREA ALONG THE KOOTENAY R. MAINSTEM JUST UPSTREAM OF KOOTENAY LAKE, ARE POPULATED THROUGHOUT BY YP, LMB AND SUNFISH. (REF. 30-22)

THE POPULATION OF WHITE STURGEON IN THE KOOTENAY R. HAS BEEN DECLINING SINCE 1983. DATA INDICATES THAT THERE IS A COMPLETE LACK OF RECRUITMENT OF JUVENILES INTO THE POPULATION. A PETITION IS BEING DEVELOPED BY THE U.S. FISH & WILDLIFE SERVICE TO LIST THIS POPULATION AS ENDANGERED. AS A RESPONSE TO RECOMMENDATIONS, HARVEST OF WHITE STURGEON WAS ELIMINATED IN THE B.C. PORTION OF THE KOOTENAY R. IN 1990. STUDY DATA IS AVAILABLE FROM THE IDAHO DEPT. OF FISH & GAME, FISHERIES SECTION, COEUR D'ALENE, IDAHO - KIMBERLY APPERSON, PROJECT LEADER. (REF. 30-31)

RESULTS OF FISHERIES INVESTIGATIONS STUDIES OF THE IDAHO SECTION OF THE KOOTENAY R. IS AVAILABLE FROM THE IDAHO DEPT. OF FISH & GAME, FISHERIES SECTION, COEUR D'ALENE, IDAHO. (REF. 30-32)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22
Last updated by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **MIDGELEY CREEK** Local Name: Watershed Code: **34-7385**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5250.54494**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.1** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO KOOTENAY R., NW OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "MIDGELEY LAKE" - AREA: 0.04 SQ.KM; PERIMETER: 1.0 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "MIDGELEY LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "MIDGELEY LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **DUCK CREEK** Local Name: Watershed Code: **34-7400**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code
UNNAMED CREEK	**040**

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5305.54484**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **17.7 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW AND NW INTO A KOOTENAY R. SIDE CHANNEL, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM	**2.0**	**6.0**		**(REF. 6N-6)**

C. FLOW

Flow Control:
W.S.C. Station No. 1: **08NH016** Water Survey of Canada (WSC) Flow Gauge: **Y**
No. 2: No. 3: No. 4:

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
LMB LARGEMOUTH BASS	**PRESENCE SUSPECTED. (REF. 6N-6)**
RB RAINBOW TROUT	**OBSERVED AT 12.0 KM, AND IN A TRIBUTARY. (REF. 6N-6)**
YP YELLOW PERCH	**PRESENCE SUSPECTED. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: Watershed Code: **34-7400-040**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5346.54525**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **5.1** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO DUCK C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**OBSERVED AT 0.9 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: SUMMIT CREEK Local Name: Watershed Code: 34-7500	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 7

Tributaries	Code
BLAZED CREEK	040
PLACER CREEK	070
BAYONNE CREEK	090
UNNAMED CREEK	120

Topographic (1:50k) Map: 82F/2
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5282.54428
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 42.7 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NW INTO A KOOTENAY R. SIDE CHANNEL, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: FED BY SEVERAL SMALL TRIBUTARY LAKES. (REF. 29D-44)

HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NH100. (REF. 8-80)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	OBSERVED SPAWNING AT 5.0 KM. (REF. 30-22)
KO KOKANEE	PRESENCE NOTED. (REF. 30-14)
RB RAINBOW TROUT	REPORTED SPAWNING IN THIS STREAM, BUT SPECIFIC LOCATIONS UNCONFIRMED. (REF. 30-14, REF. 30-22)
WCT WESTSLOPE CUTT. TR.	OBSERVED IN THE MAINSTEM TO 24.9 KM, BUT ALSO STOCKED IN TRIBUTARY LAKES. (REF. 30-15, REF. 30-22, REF. 30-24)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
AU AUGMENTATION	KO KOKANEE		STOCKED IN THE CREEK FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1988/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

A FAST FLOWING, ROCKY STREAM. (REF. 30-22)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **BLAZED CREEK** Local Name: Watershed Code: **34-7500-040**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code
BLUEBIRD CREEK	**020**

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5145.54421**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **16.2** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO SUMMIT C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY SEBERAL SMALL LAKES, INCLUDING "JOHN BULL LAKE" - AREA: 0.04 SQ.KM; PERIMETER: 0.9 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "JOHN BULL LAKE", AND IN A TRIBUTARY LAKE. (REF. 30-15, REF. 30-24)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "JOHN BULL LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **BLUEBIRD CREEK** Local Name: Watershed Code: **34-7500-040-020**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5085.54457**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **4.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO BLAZED C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "BLUEBIRD LAKE" - AREA: 0.02 SQ.KM; PERIMETER: 0.7 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "BLUEBIRD LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "BLUEBIRD LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1987/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **PLACER CREEK** Local Name: Watershed Code: **34-7500-070**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5100.54392**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO SUMMIT C., W OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: -	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: **FED BY "PLACER LAKES" - AREA: 0.07 SQ.KM; PERIMETER: 1.1 KM. AREA: 0.03 SQ.KM; PERIMETER: 0.7 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "PLACER LAKES". (REF. 30-15, REF. 30-24)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "PLACER LAKES" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: BAYONNE CREEK Local Name: Watershed Code: 34-7500-090	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 7

Tributaries	Code

Topographic (1:50k) Map: 82F/2
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5050.54388
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 10.1 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO SUMMIT C., KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: FED BY "BAYONNE LAKES" - AREA: 0.04 SQ.KM; PERIMETER: 1.0 KM. AREA: 0.04 SQ.KM; PERIMETER: 0.9 KM. AREA: 0.05 SQ.KM; PERIMETER: 1.0 KM. (REF. 6M-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN THE "BAYONNE LAKES". (REF. 30-15, REF. 30-24)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN THE "BAYONNE LAKES" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	/

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **HEATHER LAKE CREEK** Watershed Code: **34-7500-120**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5002.54377**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **2.5** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW INTO SUMMIT C. FROM "HEATHER LAKE", W OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "HEATHER LAKE" - AREA: 0.03 SQ.KM; PERIMETER: 0.7 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "HEATHER LAKE". (REF. 30-15, REF. 30-24)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "HEATHER LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **CORN CREEK** Local Name: Watershed Code: **34-7600**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5286.54385**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **24.1** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO NICK SLOUGH, KOOTENAY R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: **HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NH068, AND 08NH078. (REF. 8-80)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BB BURBOT	**PRESENCE NOTED. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: GOAT RIVER Local Name: Watershed Code: 34-7700	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 6

Tributaries	Code
ARROW CREEK	040
KITCHENER CREEK	060
LEADVILLE CREEK	080
HALL CREEK	090
CAMERON CREEK	110
KIANUKO CREEK	120
KAMMA CREEK	140
KUTTAT CREEK	160

Topographic (1:50k) Map: 82F/2
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5320.54372
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 77.4 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS SW AND NW INTO KOOTENAY R. AT CRESTON, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM	25.0	11.9		PRIVATE HYDRO DAM. BARRIER TO FISH MIGRATION. (REF. 30-14, REF. 30-15)

C. FLOW

Flow Control: Water Survey of Canada (WSC) Flow Gauge: Y
W.S.C. Station No. 1: 08NH004 No. 2: No. 3: No. 4:

Comments: ADDITIONAL HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NH014. (REF. 8-80)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	KNOWN PRESENT IN THE SYSTEM TO KIANUKO C. (REF. 30-22, REF. 30-24)
KO KOKANEE	KOOTENAY LAKE FISH SPAWNING IN THE SECTION BELOW THE DAM. (REF. 30-15)
MW ROCKY MTN WHITEFISH	PRESENT TO THE 25 M DAM AT 11.9 KM. (REF. 30-14, REF. 30-15)
RB RAINBOW TROUT	RESIDENT AND MIGRATORY POPULATIONS PRESENT TO THE 25 M DAM AT 11.9 KM. (REF. 30-14, REF. 30-15)
WCT WESTSLOPE CUTT. TR.	OBSERVED IN THE MAINSTEM AT 58.8 KM, AND KNOWN PRESENT TO KUTTAT C.. STOCKED IN TRIBUTARY HEADWATER LAKES. (REF. 30-1, REF. 30-15, REF. 30-22)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
AU AUGMENTATION	KO KOKANEE		STOCKED IN THE RIVER FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1988/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
DA DAMS	SMALL HYDROELECTRIC PROJECT AT 11.9 KM - CURRENTLY INACTIVE. (REF. 30-14)
MI MINING	THERE ARE GRAVEL REMOVAL OPERATIONS IN THE WATERSHED, NEAR CRESTON. (REF. 30-15)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS IS AN EXTREMELY PRODUCTIVE WCT STREAM, AND IS A MAJOR SPORT FISHING STREAM IN THE KOOTENAY REGION. ACCESS IS EXTREMELY GOOD, AND THERE IS VERY LITTLE OF IT THAT IS NOT SUBJECTED TO HEAVY FISHING PRESSURE. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-1)

DETAILED BIOPHYSICAL DATA ON A REACH BY REACH BASIS AVAILABLE. (REF. 6N-6)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **ARROW CREEK** Local Name: Watershed Code: **34-7700-040**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5409.54411**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **26.8** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS S AND SE INTO GOAT R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM	**2.0**	**4.8**		**(REF. 6N-6)**

C. FLOW

Flow Control: Y W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**OBSERVED AT 0.5 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**KNOWN PRESENT TO 22.1 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: KITCHENER CREEK Local Name: Watershed Code: 34-7700-060	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 6

Tributaries	Code
KID CREEK	030
HAZEL CREEK	040
CARROLL CREEK	050

Topographic (1:50k) Map: 82F/1
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5473.54447
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 23.4 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS NW AND SW INTO GOAT R., KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NH106. (REF. 8-80)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	THROUGHOUT. OBSERVED IN THE MAINSTEM AT 18.6 KM. (REF. 30-14, REF. 30-15, REF. 30-22)
WCT WESTSLOPE CUTT. TR.	KNOWN PRESENT TO HAZEL C. (REF. 30-22, REF. 30-24)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NUMEROUS BEAVER DAMS IN THE LOWER REACHES, PROVIDING HIGHLY PRODUCTIVE FISH HABITAT. (REF. 30-22)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **KID CREEK** Local Name: Watershed Code: **34-7700-060-030**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code
SPIDER CREEK	**030**
UNNAMED CREEK	**060**

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5530.54445**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **23.2** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO KITCHENER C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**OBSERVED IN THE MAINSTEM AT 20.0 KM, AND IN TRIBUTARIES. (REF. 30-22)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 20.0 KM, AND PRESENT IN TRIBUTARIES. (REF. 30-22)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NUMEROUS BEAVER DAMS IN THE LOWER REACHES, PROVIDING HIGHLY PRODUCTIVE FISH HABITAT. (REF. 30-22)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **SPIDER CREEK** Local Name: Watershed Code: **34-7700-060-030-030**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M.: Mouth: **11.5564.54494**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **4.9 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND S INTO KID C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**OBSERVED AT 2.4 KM. (REF. 30-22)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED AT 2.4 KM. (REF. 30-22)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: Watershed Code: **34-7700-060-030-060**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5604.54515**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **8.9** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW AND NW INTO KID C., NE OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**OBSERVED AT 2.8 KM. (REF. 30-22, REF. 30-24)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED AT 2.8 KM. (REF. 30-22, REF. 30-24)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **HAZEL CREEK** Local Name: Watershed Code: **34-7700-060-040**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5549.54440**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **9.2** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO KITCHENER C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**PRESENCE NOTED. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS STREAM FLOWS THROUGH A LOW SWAMPY AREA, WITH DENSE VEGETATION. SUBSTRATES ARE GRAVEL AND RUBBLE OVER A SILT BASE. MINOR FISHERIES VALUE. POTENTIAL AS A REARING AREA. (REF. 26-6)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **CARROLL CREEK** Local Name: Watershed Code: **34-7700-060-050**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5566.54425**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **10.2** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW INTO KITCHENER C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: **LAKE FED. (REF. 29D-44)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**OBSERVED AT 2.6 KM. (REF. 30-22)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **LEADVILLE CREEK** Local Name: Watershed Code: **34-7700-080**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code
UNNAMED CREEK	**500**

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5485.54527**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **17.9** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW AND W INTO GOAT R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**PRESENCE NOTED. (REF. 30-1)**
WCT WESTSLOPE CUTT. TR.	**PRESENCE NOTED. STOCKED IN A TRIBUTARY LAKE. (REF. 30-1, REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS STREAM HAS A FAIR POPULATION OF WCT, AND IS A POPULAR SPORT FISHING STREAM DUE TO ITS GOOD ROAD ACCESS. EXCELLENT COVER. THIS STREAM MAY BE A REARING STREAM FOR GOAT R. TROUT. MAINLY BOULDER AND SMALL RUBBLE, WITH SOME ISOLATED PATCHES OF GRAVEL. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-1)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: LEADVILLE LAKE CREEK Watershed Code: 34-7700-080-500	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 6

Tributaries	Code

Topographic (1:50k) Map: 82F/8
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5543.54575
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 6.2 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SW AND NW INTO LEADVILLE C., TRIBUTARY OF THE GOAT R., SW OF COOPER LAKE, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: FED BY "LEADVILLE LAKE" - AREA: 0.05 SQ.KM; PERIMETER: 1.0 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "LEADVILLE LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "LEADVILLE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: HALL CREEK Local Name: HALLMARK CREEK Watershed Code: 34-7700-090	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 6

Tributaries	Code

Topographic (1:50k) Map: 82F/8
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5471.54581
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 11.2 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS SE AND NE INTO GOAT R., KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	LARGE POPULATION PRESENT. (REF. 30-1)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
FO FORESTRY	MUCH OF THE UPPER WATERSHED HAS BEEN LOGGED OFF. (REF. 30-1)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

A SMALL, STEEP GRADIENT STREAM, WITH LITTLE OR NO SPAWNING POTENTIAL. NUMEROUS SMALL POOLS AND POCKETS EXCELLENT AS HOLDING AREAS FOR WCT. THE FISH DENSITY MAKE IT A MAJOR PRODUCTION STREAM. BOULDER/RUBBLE SUBSTRATE, WITH LITTLE GRAVEL PRESENT. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-1)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/22

A. DESCRIPTION

Stream Name: **CAMERON CREEK** Local Name: Watershed Code: **34-7700-110**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5468.54608**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **10.5** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO GOAT R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**PRESENCE NOTED. (REF. 30-1)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS STREAM MAY NOT BE SUITABLE FOR A SPORT FISHERY, HOWEVER, IT DOES APPEAR TO BE A FAIR SPAWNING AND REARING STREAM. A SMALLISH STREAM, WITH HEAVY SHRUB AND TREE COVER. NUMEROUS WINDFALLS. MAINLY BOULDER/RUBBLE SUBSTRATE, WITH SOME AREAS OF GRAVEL SUITABLE FOR SPAWNING. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-1)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **KIANUKO CREEK** Local Name: Watershed Code: **34-7700-120**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code
SKELLY CREEK	**020**
UNNAMED CREEK	**070**
UNNAMED CREEK	**080**
UNNAMED CREEK	**090**

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5455.54646**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **29.0** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO GOAT R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
F FALLS	**6.0**	**17.4**		**(REF. 30-1)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY SEVERAL SMALL LAKES, INCLUDING "KIANUKO LAKE" - AREA: 0.1 SQ.KM; PERIMETER: 1.3 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**PRESENCE NOTED. (REF. 30-1)**
WCT WESTSLOPE CUTT. TR.	**MAIN SPAWNING AREA AT 7.2 KM. ALSO, STOCKED IN TRIBUTARY HEADWATER LAKES. (REF. 30-1, REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "KIANUKO LAKE" FROM KOOTENAY HATCHERY. (REF. 30-30)	1983/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
FO FORESTRY	THE ENTIRE STREAM HAS BEEN LOGGED OR BURNED OFF, EXCEPT FOR A SECTION 13 KM UPSTREAM OF THE MOUTH. (REF. 30-1)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS IS THE MOST PRODUCTIVE TRIBUTARY IN THE GOAT RIVER SYSTEM. EXTREMELY HIGH SPAWNING POTENTIAL FOR WCT. SUBJECTED TO HEAVY FISHING PRESSURE DUE TO EXCELLENT ROAD ACCESS. 60% RIFFLE, 40% POOL HABITAT. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-1)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

DFO/MOEP FISH HABITAT INVENTORY AND INFORMATION PROGRAM
STREAM INFORMATION SUMMARY

Watershed Code: 34-7700-120-020
Stream Name: SKELLY CREEK

A. DESCRIPTION

Stream Name: SKELLY CREEK Local Name: WOODENSHOE LAKE CREEK Watershed Code: 34-7700-120-020	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 6

Tributaries	Code

Topographic (1:50k) Map: 82F/8
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5414.54662
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 14.1 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS E AND SE INTO KIANUKO C., KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: FED BY "SKELLY LAKE" (A.K.A. "WOODENSHOE LAKE") - AREA: 0.2 SQ.KM; PERIMETER: 2.2 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	PRESENCE NOTED. ALSO, STOCKED IN "SKELLY LAKE". (REF. 30-1, REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "WOODENSHOE LAKE" ("SKELLY LAKE") FROM KOOTENAY HATCHERY. (REF. 6N-28)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

MAINLY A BOULDER/BEDROCK SUBSTRATE, WITH SOME SECTIONS OF SMALL GRAVEL. A MODERATE GRADIENT, CONFINED CHANNEL STREAM, LOCATED IN A HEAVILY FORESTED VALLEY. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-1)

MAINLY BOULDER/ROCK SUBSTRATE, WITH MANY AREAS OF SUITABLE SPAWNING GRAVEL. THERE'S A NUMBER OF TRIBUTARIES WHICH HAVE EXCELLENT SPAWNING AND REARING POTENTIAL. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-8)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **HAYSTACK #2 LAKE CREEK** Watershed Code: **34-7700-120-070**	O.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5373.54786**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **2.2** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO KIANUKO C., SE OF HAYSTACK MOUNTAIN, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "HAYSTACK #2 LAKE" - AREA: 0.05 SQ.KM; PERIMETER: 0.9 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "HAYSTACK #2 LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "HAYSTACK #2 LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: HAYSTACK #4 LAKE CREEK Watershed Code: 34-7700-120-080	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 6

Tributaries	Code

Topographic (1:50k) Map: 82F/8
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5365.54781
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 2.2 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO KIANUKO C., SE OF HAYSTACK MOUNTAIN, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: FED BY "HAYSTACK LAKES #3 AND #4" - AREA: 0.06 SQ.KM; PERIMETER: 0.9 KM. AREA: 0.04 SQ.KM; PERIMETER: 1.0 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "HAYSTACK #3 LAKE" AND "HAYSTACK #4 LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "HAYSTACK #3 LAKE" AND "HAYSTACK #4 LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: HAYSTACK #5 LAKE CREEK Watershed Code: 34-7700-120-090	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 6

Tributaries	Code

Topographic (1:50k) Map: 82F/7
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5356.54775
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 2.3 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO KIANUKO C. NEAR ITS HEADWATERS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: FED BY "HAYSTACK #5 LAKE" - AREA: 0.04 SQ.KM; PERIMETER: 0.9 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "HAYSTACK #5 LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "HAYSTACK #5 LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **KAMMA CREEK** Local Name: Watershed Code: **34-7700-140**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: **-** M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code
UNNAMED CREEK	**800**

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5467.54693**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **17.9** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS W AND SW INTO GOAT R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: **FED BY "KAMMA LAKE #1" AND "KAMMA LAKE #2" - AREA: 0.07 SQ.KM; PERIMETER: 1.1 KM. AREA: 0.05 SQ.KM; PERIMETER: 1.0 KM. (REF. 6M-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**PRESENCE NOTED. ALSO, STOCKED IN THE "KAMMA LAKES". (REF. 30-1, REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "KAMMA #2 LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1983

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS IS THE SECOND MOST IMPORTANT TRIBUTARY TO THE GOAT RIVER. IT IS TOTALLY UNDEVELOPED (1973), AND HAS A LARGE WCT POPULATION. MAINLY A BOULDER/RUBBLE SUBSTRATE, WITH PATCHES OF SUITABLE SPAWNING GRAVELS. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-1)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **KAMMA #1 LAKE CREEK** Watershed Code: **34-7700-140-800**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5564.54676**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **2.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO KAMMA C., NW OF COOPER LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "KAMMA #1 LAKE" - AREA: 0.07 SQ.KM; PERIMETER: 1.1 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "KAMMA #1 LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "KAMMA #1 LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1983

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **KUTTAT CREEK** Local Name: Watershed Code: **34-7700-160**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **6**

Tributaries	Code

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5486.54753**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS W INTO GOAT R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**PRESENCE NOTED. (REF. 30-1)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

A SMALL, BUSHY, STEEP GRADIENT STREAM WITH LITTLE POTENTIAL. BOULDER AND RUBBLE, WITH SOME POCKETS OF SUITABLE SPAWNING GRAVEL. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-1)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: RYKERT CREEK Local Name: Watershed Code: 34-7795	D.F.D. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 6

Tributaries	Code

Topographic (1:50k) Map: 82F/1
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5365.54273
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 9.9 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS SW ACROSS THE U.S. BORDER INTO THE KOOTENAY R. IN IDAHO AT THE COORDINATES GIVEN ABOVE. KOOTENAY DIST.. MAINSTEM LENGTH GIVEN IS FOR THE CANADIAN SECTION OF CREEK ONLY.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: LAKE SURVEY INFORMATION FOR RYKERTS LAKE, AVAILABLE (A.K.A. VIC MAWSON LAKE). (REF. 30-6)

HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NH011 AND 08NH013. (REF. 8-80)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
LMB LARGEMOUTH BASS	PRESENT IN "RYKERTS LAKE". (REF. 30-15)
RB RAINBOW TROUT	PRESENT IN "RYKERTS LAKE". (REF. 30-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "RYKERTS LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1987

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **BOUNDARY CREEK** Local Name: Watershed Code: **34-7800**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **7**

Tributaries	Code

Topographic (1:50k) Map: **82F/2**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5363.54274**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: **FLOWS E INTO KOOTENAY R. AT THE CANADA - U.S. BORDER, S OF CRESTON, KOOTENAY DIST.. MAINSTEM LENGTH NOT GIVEN BECAUSE STREAM CRISS CROSSES U.S. BORDER.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: Water Survey of Canada (WSC) Flow Gauge: **Y**
W.S.C. Station No. 1: **08NH032** No. 2: No. 3: No. 4:

Comments: **LAKE SURVEY INFORMATION FOR BOUNDARY LAKE, AVAILABLE. (REF. 30-6)**

BOUNDARY LAKE - AREA: 0.3 SQ.KM; PERIMETER: 2.6 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENT IN BOUNDARY LAKE. (REF. 30-6, REF. 30-24)**
EB BROOK TROUT	**PRESENT IN BOUNDARY LAKE. (REF. 30-22)**
LMB LARGEMOUTH BASS	**OBSERVED IN DYKE AREA AT 4.0 KM. (REF. 30-22)**
WCT WESTSLOPE CUTT. TR.	**PRESENT IN BOUNDARY LAKE. (REF. 30-6, REF. 30-24)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN BOUNDARY LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1990/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NICE BOGGY STREAM, WITH GOOD FISHING HOLES AND GOOD FISH HABITAT IN THE AREA BELOW THE LAKE. (REF. 30-22)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: MOYIE RIVER Local Name: Watershed Code: 34-8000	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 5

Tributaries	Code
LITTLE MOYIE RIVER	010
HAWKINS CREEK	050
ENGLISHMAN CREEK	070
UNNAMED LAKE CREEK	075
IRISHMAN CREEK	100
STONE CREEK	130
SUNDOWN CREEK	140
SUNRISE CREEK	150
LAMB CREEK	210
UNNAMED CREEK	220
PEAVINE CREEK	240
MONROE CREEK	250
PALMER BAR CREEK	260
SOUTH MOYIE CREEK	380
UNNAMED CREEK	390

Topographic (1:50k) Map: 82F/1
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.560i.54277
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 108.5 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SW AND S ACROSS THE U.S. BORDER AT THE COORDINATES GIVEN ABOVE, INTO THE KOOTENAY R. IN IDAHO. KOOTENAY DIST. MAINSTEM LENGTH GIVEN IS FOR THE CANADIAN SECTION OF THE RIVER ONLY.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	24.0	80.5		(REF. 6N-6)

C. FLOW

Flow Control:
W.S.C. Station No. 1: 08NH006
Water Survey of Canada (WSC) Flow Gauge: Y
No. 2: 08NH120
No. 3:
No. 4:

Comments: ADDITIONAL HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NH058, 08NH034, 08NH059 AND 08NH111. (REF. 8-80)

LAKE SURVEY INFORMATION FOR MOYIE LAKE, AVAILABLE. (REF. 30-6)

LAKE FED. MOYIE LAKE (UPPER) - AREA: 6.0 SQ.KM; PERIMETER: 16.3 KM. MOYIE LAKE (LOWER) - AREA: 3.2 SQ.KM; PERIMETER: 15.4 KM. "MARMOT LAKE" - AREA: 0.2 SQ.KM; PERIMETER: 2.2 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	PRESENT IN MOYIE LAKE. (REF. 30-14, REF. 6N-6)
EB BROOK TROUT	CONCENTRATED IN THE SLOWER SECTIONS OF THE RIVER. OBSERVED IN THE MAINSTEM AT 79.8 KM. (REF. 30-14, REF. 6N-6)
KO KOKANEE	PRESENT IN MOYIE LAKE, AND IN SOME MOYIE LAKE TRIBUTARIES. (REF. 30-6, REF. 30-24, REF. 6N-6)
LMB LARGEMOUTH BASS	PRESENT IN HIAWATHA LAKE. (REF. 30-15, REF. 30-24)

D. DISTRIBUTION SUMMARY CONTINUED

Species	Watershed Distribution
MW ROCKY MTN WHITEFISH	PRESENT IN MOYIE LAKE. (REF. 6N-6)
RB RAINBOW TROUT	CONCENTRATED MORE IN THE FASTER, RIFFLE AREAS OF THE RIVER. OBSERVED IN THE MAINSTEM AT 70.5 KM. KNOWN PRESENT TO PALMER BAR C.. (REF. 30-14, REF. 30-24, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	THROUGHOUT. OBSERVED IN THE MAINSTEM AT 79.8 KM. ALSO, STOCKED IN TRIBUTARY HEADWATER LAKES. (REF. 30-14, REF. 30-15, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "MARMOT LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1990
JP JUVENILE PLANT	KO KOKANEE		STOCKED IN MOYIE LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1984/1984
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN MOYIE LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1990
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN MOYIE LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1987/1987
AU AUGMENTATION	RB RAINBOW TROUT		STOCKED IN THE RIVER FROM KOOTENAY HATCHERY. (REF. 30-30)	1990/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
MI MINING	THERE ARE AREAS IN THE WATERSHED THAT ARE DESIGNATED FOR PLACER MINING. (REF. 30-14)
LD LINEAR DEVELOPMENT	THIS RIVER IS CROSSED AND PARALLELED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

ALL LENGTHS GIVEN IN THIS FILE ARE MEASURED FROM THE U.S. BORDER. (REF. 6N-28)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by:	ROSS DE MARCO	Date:	1991/06/24
Last updated by:	ROSS DE MARCO	Date:	1991/06/24

A. DESCRIPTION

Stream Name: **LITTLE MOYIE RIVER** Local Name: Watershed Code: **34-8000-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: **-** M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5580.54296**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **22.2 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO MOYIE R. JUST UPSTREAM OF THE U.S. BORDER, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: **FED BY A SMALL, UNNAMED TRIBUTARY LAKE. (REF. 29D-44)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**KNOWN PRESENT TO 14.8 KM. (REF. 6N-6)**
EB BROOK TROUT	**OBSERVED AT 0.8 KM. (REF. 30-14)**
RB RAINBOW TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**KNOWN PRESENT TO 14.8 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **HAWKINS CREEK** Local Name: Watershed Code: **34-8000-050**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **4**

Tributaries	Code
CANUCK CREEK	**020**

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5663.54365**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **20.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW INTO MOYIE R. AT YAHK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
EB BROOK TROUT	**PRESENT IN MEADOW LAKE AT 14.7 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**PRESENT IN MEADOW LAKE AT 14.7 KM, AND OBSERVED IN A TRIBUTARY. (REF. 30-22, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: CANUCK CREEK Local Name: Watershed Code: 34-8000-050-020	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 4

Tributaries	Code

Topographic (1:50k) Map: 82F/1
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5718.54331
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 7.3 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS NE AND N INTO HAWKINS C. FROM MONTANA. KOOTENAY DIST.. MAINSTEM LENGTH GIVEN IS FOR THE CANADIAN SECTION OF CREEK ONLY.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	OBSERVED IN THE MAINSTEM THROUGHOUT, TO THE U.S. BORDER. (REF. 30-22)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: **ROSS DE MARCO** Date: **1991/06/24**

A. DESCRIPTION

Stream Name: ENGLISHMAN CREEK Local Name: Watershed Code: 34-8000-070	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 5

Tributaries	Code

Topographic (1:50k) Map: 82F/1
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5697.54412
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 8.1 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO MOYIE R., KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	KNOWN PRESENT TO 0.7 KM. (REF. 6N-6)
EB BROOK TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
RB RAINBOW TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	PRESENCE SUSPECTED. (REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: UNNAMED LAKE CREEK Local Name: RYAN PARK LAKE CREEK Watershed Code: 34-8000-075	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 4

Tributaries	Code

Topographic (1:50k) Map: 82F/1
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5706.54423
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: LOCATED NE OF YAHK, ON LEFT BANK OF THE MOYE R., AT RYAN PROVINCIAL PARK, WITH NO VISIBLE SURFACE CONNECTION TO THE RIVER. KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: "RYAN PARK LAKE" - AREA: 0.02 SQ.KM; PERIMETER: 0.5 KM. (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN THE LAKE. (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "RYAN PARK LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1988/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **IRISHMAN CREEK** Local Name: Watershed Code: **34-8000-100**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code

Topographic (1:50k) Map: **82F/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5723.54483**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **13.5** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO MOYIE R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	HISTORICALLY AN IMPORTANT SPAWNING AREA FOR MOYIE R. BT POPULATION. OBSERVED SPAWNING AT 0.3 KM. (REF. 30-14, REF. 6M-6)
EB BROOK TROUT	PRESENCE SUSPECTED. (REF. 6M-6)
RB RAINBOW TROUT	PRESENCE KNOWN IN THE MAINSTEM TO 2.5 KM. (REF. 6M-6)
WCT WESTSLOPE CUTT. TR.	PRESENCE SUPECTED. (REF. 6M-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **STONE CREEK** Local Name: Watershed Code: **34-8000-130**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **4**

Tributaries	Code

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5794.54525**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW INTO MOYIE R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

NO INFORMATION AVAILABLE

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
EB BROOK TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
RB RAINBOW TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**PRESENCE NOTED. (REF. 30-23)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: SUNDOWN CREEK Local Name: Watershed Code: 34-8000-140	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 4

Tributaries	Code

Topographic (1:50k) Map: 82G/4
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5823.54542
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 12.5 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NW INTO MOYIE R., KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
EB BROOK TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
RB RAINBOW TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	PRESENCE NOTED. (REF. 30-23)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **SUNRISE CREEK** Local Name: Watershed Code: **34-8000-150**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **4**

Tributaries	Code

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5835.54556**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **8.1** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW AND W INTO MOYIE R., S OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
EB BROOK TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
RB RAINBOW TROUT	**OBSERVED AT 0.6 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**PRESENCE NOTED. (REF. 30-23)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **LAMB CREEK** - Local Name: Watershed Code: **34-8000-210**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code
LITTLE LAMB CREEK	**010**

Topographic (1:50k) Map: **82G/5**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5849.54635**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **21.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO THE S END OF MOYIE LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
C CASCADE		**3.2**		**BARRIER TO MIGRATION. (REF. 30-15)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
EB BROOK TROUT	**PRESENCE SUSPECTED. (REF. 6N-6)**
KO KOKANEE	**OBSERVED SPAWNING AT 1.5 KM. (REF. 30-15)**
MW ROCKY MTN WHITEFISH	**PRESENCE SUSPECTED. (REF. 6N-6)**
RB RAINBOW TROUT	**OBSERVED SPAWNING AT 1.5 KM. (REF. 30-15)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 9.7 KM, AND IN A TRIBUTARY. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
AU AUGMENTATION	KO KOKANEE RB RAINBOW TROUT		8C FISH & WILDLIFE BRANCH/KOOTENAY HATCHERY. PROJECT WHEREBY MOYIE LAKE FISH ARE SEEDED TO INCREASE THE SPAWNING RUNS AND UTILIZATION OF LAMB C. (REF. 30-15)	1981/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: LITTLE LAMB CREEK Local Name: Watershed Code: 34-8000-210-010	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 5

Tributaries	Code

Topographic (1:50k) Map: 82G/5
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5815.54648
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 6.7 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO LAMB C., W OF MOYIE LAKE, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	OBSERVED AT 1.0 KM. (REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/21

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **MINERAL LAKE CREEK** Watershed Code: **34-8000-220**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code

Topographic (1:50k) Map: **82G/5**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5843.54657**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **1.7** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO MOYIE LAKE FROM MINERAL LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **LAKE SURVEY INFORMATION FOR MINERAL LAKE, AVAILABLE. (REF. 30-6)**

FED BY MINERAL LAKE - AREA: 0.09 SQ.KM; PERIMETER: 1.6 KM. (REF. 6M-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**STOCKED IN MINERAL LAKE. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN MINERAL LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1981
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN MINERAL LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1986/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: PEAVINE CREEK Local Name: Watershed Code: 34-8000-240	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 4

Tributaries	Code
UNNAMED CREEK	012

Topographic (1:50k) Map: 82G/5
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5852.54693
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 18.7 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SW INTO N END OF MOYIE LAKE, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NH122. (REF. 8-80)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
EB BROOK TROUT	OBSERVED AT 2.1 KM. (REF. 6N-6)
KO KOKANEE	OBSERVED AT 2.1 KM. (REF. 6N-6)
LMB LARGEMOUTH BASS	PRESENT IN HIAWATHA LAKE. (REF. 30-15, REF. 30-24)
RB RAINBOW TROUT	OBSERVED IN THE MAINSTEM AT 2.1 KM, AND STOCKED IN HIAWATHA LAKE. (REF. 30-15, REF. 30-24, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	OBSERVED AT 2.1 KM. (REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: HIAWATHA LAKE CREEK Watershed Code: 34-8000-240-012	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 4

Tributaries	Code

Topographic (1:50k) Map: 82G/5
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5854.54705
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 2.2 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO PEAVINE C. FROM HIAWATHA LAKE, N OF MOYIE LAKE, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1:
Water Survey of Canada (WSC) Flow Gauge:
No. 2:
No. 3:
No. 4:

Comments: LAKE SURVEY INFORMATION FOR HIAWATHA LAKE, AVAILABLE. (REF. 30-6)

FED BY HIAWATHA LAKE - AREA: 0.07 SQ.KM; PERIMETER: 1.1 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
LMB LARGEMOUTH BASS	PRESENT IN HIAWATHA LAKE. (REF. 30-15)
RB RAINBOW TROUT	STOCKED IN HIAWATHA LAKE. (REF. 30-15, REF. 30-24)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement		Management Target Escapement	
	Mean	Period of Record	Ref. No.		Ref. No.		Ref. No.
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN HIAWATHA LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: MONROE CREEK Local Name: Watershed Code: 34-8000-250	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: -- M.O.E. Region: 4 KOOTENAY Management Unit: 5

Tributaries	Code

Topographic (1:50k) Map: 82G/5
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5835.54704
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 5.9 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NE INTO MOYIE R. FROM MONROE LAKE, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1:
Water Survey of Canada (WSC) Flow Gauge:
No. 2:
No. 3:
No. 4:

Comments: LAKE FED. MONROE LAKE - AREA: 0.6 SQ.KM; PERIMETER: 6.8 KM. "MUD LAKE" - AREA: 0.06 SQ.KM; PERIMETER: 1.1 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	STOCKED IN MONROE LAKE. (REF. 30-24, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	STOCKED IN MONROE LAKE AND IN "MUD LAKE". (REF. 20-15, REF. 30-24)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "MUD LAKE" (A.K.A. LITTLE MONROE LAKE) FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1985
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN MONROE LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1986/1990
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN MONROE LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1988

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THERE HAVE BEEN REPORTS OF UNIDENTIFIABLE HYBRID TROUT BEING CAPTURED IN MONROE LAKE, IN 1990. (REF. 30-22)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **PALMER BAR CREEK** Local Name: Watershed Code: **34-8000-260**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code
KIAKHO CREEK	**010**

Topographic (1:50k) Map: **82G/5**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5829.54718**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **22.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND S INTO MOYIE R., SW OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**OBSERVED AT 9.0 KM. (REF. 30-24, REF. 6N-6)**
RB RAINBOW TROUT	**OBSERVED AT 9.0 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 9.0 KM, AND PRESENT IN KIAKHO LAKES. (REF. 30-14, REF. 30-24, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **KIAKHO CREEK** Local Name: Watershed Code: **34-8000-260-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code

Topographic (1:50k) Map: **82G/5**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5785.54779**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.4 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS S AND SW INTO PALMER BAR C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM		**4.7**		**MAN MADE BARRIER, CONSTRUCTED TO KEEP COARSE FISH FROM ENTERING REHAB LAKE (KIAKHO LAKES). (REF. 30-14)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **LAKE SURVEY INFORMATION FOR KIAKHO LAKES, AVAILABLE. (REF. 30-6)**			
FED BY KIAKHO LAKES - AREA: 0.1 SQ.KM; PERIMETER: 2.0 KM. AREA: 0.06 SQ.KM; PERIMETER: 1.3 KM. (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**PRESENT IN KIAKHO LAKES. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
LI LAKE IMPROVEMENT	WCT WESTSLOPE CUTT. TR.		EXPERIMENTAL LAKE REHAB WORK BEING DONE ON KIAKHO LAKES. THEY ARE BEING DEVELOPED AS A BROODSTOCK LAKE FOR STREAM STOCKED WCT. A DAM WAS BUILT DOWNSTREAM TO KEEP OUT COARSE FISH. (REF. 30-14)	1984/
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN KIAKHO LAKES FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1988/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

KIAKHO LAKES ARE CLOSED TO SPORT FISHING THROUGHOUT THE YEAR. (REF. 30-15)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **SOUTH MOYIE CREEK** Local Name: Watershed Code: **34-8000-380**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code
COOPER CREEK	**010**

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5650.54649**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **5.9** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO MOYIE R. NEAR ITS HEADWATERS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**KNOWN PRESENT IN COOPER LAKE. (REF. 30-24, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **COOPER CREEK** Local Name: Watershed Code: **34-8000-380-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5647.54651**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.5** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO SOUTH MOYIE C. FROM COOPER LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: **FED BY COOPER LAKE - AREA: 0.5 SQ.KM; PERIMETER: 4.0 KM. (REF. 6M-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**PRESENT IN COOPER LAKE. (REF. 30-24, REF. 6M-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN COOPER LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1976

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **KURT LAKE CREEK** Watershed Code: **34-8000-390**	O.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **5**

Tributaries	Code

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5633.54607**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **1.5 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO MOYIE R. AT ITS HEADWATERS, S OF COOPER LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "KURT LAKE" - AREA: 0.07 SQ.KM; PERIMETER: 1.1 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "KURT LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "KURT LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: YAHK RIVER Local Name: Watershed Code: 34-8100	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 4

Tributaries	Code
WEST YAHK RIVER	010
GILNOCKIE CREEK	020

Topographic (1:50k) Map: 82G/4
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5990.54282
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 32.3 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE ACROSS THE U.S. BORDER AT THE COORDINATES GIVEN ABOVE, INTO THE KOOTENAY R. IN MONTANA. KOOTENAY DIST.. MAINSTEM LENGTH GIVEN IS FOR THE CANADIAN SECTION OF THE RIVER ONLY.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	5.0	3.5		(REF. 6N-6)
R ROCK		20.9		(REF. 6N-6)

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	KNOWN PRESENT TO 18 KM. (REF. 6N-6)
MW ROCKY MTN WHITEFISH	PRESENT IN TRIBUTARY. (REF. 6N-6)
RB RAINBOW TROUT	KNOWN PRESENT TO 18 KM. (REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	THROUGHOUT. STOCKED IN THE HEADWATER LAKE - "RIDGE ROAD LAKE". (REF. 30-15, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "RIDGE ROAD LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1987/1988

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

GOOD FISH HABITAT IN THE LOWER END. (REF. 30-22)

ALL DISTANCES GIVEN IN THIS FILE ARE MEASURED FROM THE U.S. BORDER. (REF. 6M-28)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **WEST YAHK RIVER** Local Name: Watershed Code: **34-8100-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **4**

Tributaries	Code
FREEMAN CREEK	**030**

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5909.54281**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE ACROSS THE U.S. BORDER AT THE COORDINATES GIVEN ABOVE, INTO THE YAHK R. IN MONTANA. KOOTENAY DIST.. MAINSTEM LENGTH GIVEN IS FOR THE CANADIAN SECTION OF RIVER ONLY.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED THROUGHOUT THE SECTION OF RIVER WHICH FLOWS IN B.C., AND IN FREEMAN C.. (REF. 6N-6)**
RB RAINBOW TROUT	**OBSERVED THROUGHOUT THE SECTION OF RIVER WHICH FLOWS IN B.C., AND IN FREEMAN C.. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED THROUGHOUT THE SECTION OF RIVER WHICH FLOWS IN B.C., AND IN FREEMAN C.. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement		Management Target Escapement	
	Mean	Period of Record	Ref. No.		Ref. No.		Ref. No.
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **FREEMAN CREEK** Local Name: Watershed Code: **34-8100-010-030**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **4**

Tributaries	Code

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5871.54292**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **13.8** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO WEST YAHK R., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**KNOWN PRESENT TO 3.9 KM. (REF. 6N-6)**
RB RAINBOW TROUT	**KNOWN PRESENT TO 3.9 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**KNOWN PRESENT TO 3.9 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: **GILNOCKIE CREEK** Local Name: Watershed Code: **34-8100-020**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **4**

Tributaries	Code
UNNAMED CREEK	**080**

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5988.54288**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **31.5** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO YAHK R., JUST UPSTREAM OF THE U.S. BORDER, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	KNOWN PRESENT TO "RANGER LAKE C.". (REF. 6N-6)
MW ROCKY MTN WHITEFISH	KNOWN PRESENT TO 4.0 KM. (REF. 6N-6)
RB RAINBOW TROUT	KNOWN PRESENT TO "RANGER LAKE C.". (REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	KNOWN PRESENT TO "RANGER LAKE C.". (REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: **ROSS DE MARCO** Date: **1991/06/24**

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **RANGER LAKE CREEK** Watershed Code: **34-8100-020-080**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **4**

Tributaries	Code

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5993.54422**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **8.1** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS W INTO GILMOCKIE C. FROM RANGER LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY RANGER LAKE - AREA: 0.07 SQ.KM; PERIMETER: 1.6 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**KNOWN PRESENT TO 2.6 KM. (REF. 6N-6)**
RB RAINBOW TROUT	**KNOWN PRESENT TO 2.6 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**KNOWN PRESENT TO 2.6 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

DFO/MOEP FISH HABITAT INVENTORY AND INFORMATION PROGRAM
STREAM INFORMATION SUMMARY

Watershed Code: 35
Stream Name: KOOTENAY RIVER

A. DESCRIPTION

Stream Name: KOOTENAY RIVER
Local Name: UPPER KOOTENAY RIVER
Watershed Code: 35

D.F.O. Division:
District:
Subdistrict: 30
Statistical Subarea: -
M.O.E. Region: 4 KOOTENAY
Management Unit:

Tributaries	Code
PHILLIPPS CREEK	0100
SHOTNANA LAKE CREEK	0250
UNNAMED LAKE CREEK	0260
LINKLATER CREEK	0300
WILLIE PHILLIPPS CREEK	0400
UNNAMED LAKE CREEK	0450
GOLD CREEK	0500
ENGLISHMAN CREEK	0600
ELK RIVER	0700
FUSEE LAKE CREEK	0745
BAYNES LAKE CREEK	0750
SURVEYORS LAKE CREEK	0775
KIKOMUN CREEK	0800
SUZANNE CREEK	0900
SAND CREEK	1000
UNNAMED LAKE CREEK	1080
UNNAMED CREEK	1090
PLUMBOB CREEK	1100
WAPITI LAKE CREEK	1190
HAHA CREEK	1500
UNNAMED CREEK	1550
BULL RIVER	1600
NORBURY CREEK	1700
HORSESHOE CREEK	2000
KHARTOUM CREEK	2200
WILD HORSE RIVER	2300
ST MARY RIVER	2400
UNNAMED LAKE CREEK	2440
LAKIT CREEK	2500
UNNAMED LAKE CREEK	2550
UNNAMED LAKE CREEK	2560
SAUGUM CREEK	2600
MATHER CREEK	2700
LEWIS CREEK	2800
UNNAMED LAKE CREEK	2850
HANSON CREEK	2900
TA TA CREEK	3000
UNNAMED CREEK	3100
WOLF CREEK	3200
LUSSIER RIVER	3400
SKOOKUMCHUCK CREEK	3500
TAMARACK CREEK	3600
LARCHWOOD LAKE CREEK	3700
JOHNSON LAKE CREEK	3800
COPPER CREEK	3900
FINDLAY CREEK	4000
WHITETAIL BROOK	4200
NINE MILE CREEK	4300
MARY ANNE CREEK	4500
LEMON CREEK	4600
WHITE RIVER	4700
PALLISER RIVER	5000
CROSS RIVER	5800
SWEDE CREEK	6100
PITTS CREEK	6200

Topographic (1:50k) Map: 82G/3
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6330.54288
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 346.4 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS S ACROSS THE U.S. BORDER THROUGH LAKE KOOCANUSA AT THE COORDINATES GIVEN ABOVE. KOOTENAY DIST.. MAINSTEM LENGTH GIVEN IS FOR THE CANADIAN SECTION OF RIVER ONLY.

A. DESCRIPTION CONTINUED

UNNAMED CREEK	6310
MEADOW CREEK	6350
DAER CREEK	6400
VERMILION RIVER	6500
DOLLY VARDEN CREEK	6600
KOOTENAY PONDS CREEK	6680
UNNAMED CREEK	6760
WHITETAIL CREEK	6800
UNNAMED CREEK	6970
SYMOND CREEK	7000
UNNAMED CREEK	7100
UNNAMED CREEK	7200
UNNAMED CREEK	7500

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: 08NG079

Water Survey of Canada (WSC) Flow Gauge: Y
No. 2: 08NG065 No. 3: 08NG053 No. 4:

Comments: ADDITIONAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NF00 AND 08NF001. HISTORICAL HYDROMETRIC INFORMATION IS AVAILABLE FOR STATIONS: 08NG042 AND 08NG005. (REF. 8-80)

FLOW DATA AVAILABLE. (REF. 30-19)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BB BURBOT	IN LAKE KOOCANUSA, AND PRESENT TO THE ST MARY R. SYSTEM. (REF. 30-14, REF. 6N-6)
BT BULL TROUT	THROUGHOUT THE WATERSHED, TO THE HEADWATERS. (REF. 30-14, REF. 30-15, REF. 6N-6)
EB BROOK TROUT	THROUGHOUT THE WATERSHED. STOCKED IN TRIBUTARY LAKES AS FAR UPSTREAM AS THE KOOTENAY CROSSING AREA (297 KM). (REF. 30-14, REF. 30-15, REF. 6N-6)
KO KOKANEE	OBSERVED IN THE MAINSTEM TO KOOTENAY CROSSING AT 296.8 KM. SPAWNING IN TRIBUTARIES. (REF. 30-14, REF. 30-21, REF. 6N-6)
LMB LARGEMOUTH BASS	PRESENT IN TRIBUTARY LAKES TO WASA LAKE AND LEWIS SLOUGH. (REF. 30-14, REF. 30-24)
MW ROCKY MTN WHITEFISH	PRESENT IN THE WATERSHED TO TRIBUTARIES IN THE KOOTENAY CROSSING AREA (285 KM). (REF. 30-14, REF. 30-21, REF. 6N-6)
RB RAINBOW TROUT	THROUGHOUT TO HEADWATERS. STOCKED IN TRIBUTARY LAKES THROUGHOUT THE WATERSHED. (REF. 30-14, REF. 30-15, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	THROUGHOUT THE WATERSHED. STOCKED IN TRIBUTARY LAKES. (REF. 30-14, REF. 30-15, REF. 6N-6)
YP YELLOW PERCH	PRESENT IN WASA LAKE AND LEWIS SLOUGH. (REF. 30-14, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
MR MARK RECOVERY	RB RAINBOW TROUT		BC FISH & WILDLIFE BRANCH PROGRAM TO DETERMINE KOOTENAY R. MAINSTEM SPAWNING UTILIZATION. (REF. 30-19)	1980/1980

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
FO FORESTRY	MOST OF THE WATERSHED HAS BEEN LOGGED EXTENSIVELY AT ONE TIME OR ANOTHER, AND VERY FEW SUB-BASINS EXIST, THAT ARE UNLOGGED. (REF. 30-14, REF. 30-15)
LD LINEAR DEVELOPMENT	THIS RIVER IS CROSSED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

RESULTS OF A STUDY DESIGNED TO DETECT CHANGES IN PERIPHYTON IN THE KOOTENAY AND ST MARY RIVERS, CAUSED BY EFFLUENTS FROM THE CRESTBROOK FOREST INDUSTRIES LTD. PULP MILL AND COMINCO LTD. MINING COMPLEX, AVAILABLE. (REF. 30-9)

RESULTS OF A STUDY CARRIED OUT TO DETERMINE KOOTENAY R. MAINSTEM SPAWNING UTILIZATION BY RB, AND MIGRATION PATTERNS, AVAILABLE. HABITAT DESCRIPTIONS ON A REACH BY REACH BASIS AVAILABLE. (REF. 30-19)

BIOPHYSICAL SAMPLING DATA ON A REACH BY REACH BASIS, AVAILABLE. (REF. 6N-6)

ALL MEASUREMENTS GIVEN IN THIS FILE ARE MEASURED FROM THE U.S. BORDER. (REF. 6N-28)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/24

A. DESCRIPTION

Stream Name: LINKLATER CREEK Local Name: Watershed Code: 35-0300	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code
UNNAMED CREEK	008
PURCELL CREEK	010
UNNAMED LAKE CREEK	090

Topographic (1:50k) Map: 82G/3
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6325.54306
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 21.9 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO LAKE KOOCANUSA, NEAR THE U.S. BORDER, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM	3.0	4.0		MIGRATION BARRIER (REF. 30-5, REF. 6M-6)

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG006. (REF. 8-80)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	OBSERVED IN THE MAINSTEM AT 12.9 KM, AND IN TRIBUTARIES. (REF. 30-18, REF. 6M-6)
EB BROOK TROUT	OBSERVED IN THE MAINSTEM AT 12.9 KM, AND IN TRIBUTARIES. (REF. 30-18)
MW ROCKY MTN WHITEFISH	KNOWN PRESENT TO 1.9 KM. (REF. 30-18, REF. 6M-6)
WCT WESTSLOPE CUTT. TR.	KNOWN PRESENT TO 18.0 KM, AND IN TRIBUTARIES. (REF. 30-15, REF. 30-18, REF. 6M-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

DETAILED BIOPHYSICAL INVENTORY SAMPLING DATA, WITH REFERENCE TO FISH MIGRATION PATTERNS FROM THE LIBBY RESERVOIR, AVAILABLE. MIGRATION OF RESERVOIR FISH INTO THIS CREEK WAS FOUND TO BE EXTENSIVE DESPITE RESTRICTED SPAWNING HABITAT. THE LOWER REACHES TYPIFIES LOWER GRADIENTS (0.5% - 1%), WITH THE CHANNEL MEANDERING THROUGH OPEN FIELDS, WITH SOME DENSE DECIDUOUS GROWTH ALONG THE STREAM BANKS. MOST OF THE TRIBUTARIES ARE CHARACTERIZED BY STEEPER GRADIENTS (4% - 7%), GRADUALLY BECOMING LESS SUITABLE AS FISH HABITAT WITH DISTANCE UPSTREAM FROM THE MAINSTEM. (REF. 30-5)

HABITAT DESCRIPTIONS AVAILABLE. GRADIENT IS GENERALLY 1% - 2%, STEEPER IN THE UPPER REACHES. SUBSTRATE IS SAND/GRAVEL AND SAND, WITH GRAVEL/RUBBLE IN THE UPPER REACHES. OVERALL PRODUCTIVITY OF THE STREAM IS EXCELLENT, WITH AN ABUNDANCE OF SPAWNING AND REARING HABITAT. (REF. 30-18)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **NORTH LINKLATER CREEK** Watershed Code: **35-0300-008**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/3**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6269.54346**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **11.6** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO LINKLATER C. FROM GOLD MOUNTAIN, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**PRESENCE KNOWN TO 4.3 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**PRESENCE KNOWN TO 4.3 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

MOST OF THE HABITAT CONSISTS OF BEAVER DAMS AND MARSH AREAS, CREATING GOOD REARING AND HOLDING HABITAT. (REF. 30-5)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **PURCELL CREEK** Local Name: Watershed Code: **35-0300-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/3**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6253.54343**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **10.5** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO LINKLATER C., KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED AT 0.5 KM. (REF. 6N-6)**
EB BROOK TROUT	**OBSERVED AT 0.5 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED AT 0.5 KM. (REF. 30-18, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: UNNAMED LAKE CREEK Local Name: FITZPATRICK LAKE CREEK Watershed Code: 35-0300-090	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code

Topographic (1:50k) Map: 82G/3
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6167.54310
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: SITUATED JUST NE OF MOUNT FITZPATRICK, ON W SIDE OF LINKLATER C. , WITH NO VISIBLE SURFACE CONNECTION. KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: "FITZPATRICK LAKE" - AREA: 0.03 SQ.KM; PERIMETER: 0.8 KM. (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "FITZPATRICK LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "FITZPATRICK LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1983

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: UNNAMED LAKE CREEK Local Name: MUD LAKE CREEK Watershed Code: 35-0450	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code

Topographic (1:50k) Map: 82G/3
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6295.54345
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: SITUATED ON THE W SIDE OF LAKE KOOCANUSA, WITH NO VISIBLE SURFACE CONNECTION, SW OF GRASMERE. KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: "MUD LAKE" - AREA: 0.04 SQ.KM; PERIMETER: 0.9 KM. (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN "MUD LAKE". (REF. 30-30)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "MUD LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1984/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: GOLD CREEK Local Name: Watershed Code: 35-0500	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code
UNNAMED LAKE CREEK	015
CAVEN CREEK	020
UNNAMED LAKE CREEK	021
TEEPEE CREEK	030

Topographic (1:50k) Map: 826/3
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6283.54367
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 81.7 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO LAKE KOOCANUSA, W OF GRASMERE, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NG004, 08NG017 AND 08NG069. (REF. 8-80)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BB BURBOT	KNOWN PRESENT TO 1.9 KM. (REF. 30-17, REF. 6N-6)
BT BULL TROUT	OBSERVED IN THE MAINSTEM AT 39.7 KM, AND IN TRIBUTARIES. (REF. 30-17, REF. 30-24, REF. 6N-6)
EB BROOK TROUT	OBSERVED IN CAVEN C.. (REF. 30-20)
KO KOKANEE	LAKE KOOCANUSA FISH, SPAWNING MAINLY IN THE LOWER 15.3 KM. (REF. 30-14)
MW ROCKY MTN WHITEFISH	OBSERVED IN THE MAINSTEM AT 62.6 KM, AND IN TRIBUTARIES. (REF. 30-17, REF. 30-18, REF. 6N-6)
RB RAINBOW TROUT	PRESENT IN TRIBUTARIES. (REF. 30-15, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	RESIDENT AND MIGRATORY POPULATIONS PRESENT. OBSERVED IN THE MAINSTEM TO 62.6 KM, AND IN TRIBUTARIES. (REF. 30-17, REF. 30-24, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
MR MARK RECOVERY	BT BULL TROUT WCT WESTSLOPE CUTT. TR.		BC FISH & WILDLIFE BRANCH STUDY OF LIBBY RESERVOIR FISH UTILIZATION OF TRIBUTARIES. (REF. 30-17)	1977/1977

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
WW WATER WITHDRAWAL -	THIS STREAM PROVIDES THE COMMUNITY WATER SUPPLY FOR THE TOWN OF CRANBROOK. (REF. 30-17)
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE, AND ALSO BY A BC GAS INC. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. RESULTS OF A STUDY CARRIED OUT TO DETERMINE STREAM UTILIZATION BY LIBBY RESERVOIR FISH, AVAILABLE. GOLD C. AND ITS TRIBUTARIES ARE LOW GRADIENT SYSTEMS, COMPRISED MAINLY OF RIFFLE RUN COMPLEXES. COMBINED WITH A LACK OF COVER IN THE FORM OF POOLS AND ASSOCIATED INSTREAM STABLE DEBRIS ACCUMULATIONS, THIS SYSTEM MAY BE LIMITING FISH PRODUCTION DUE TO LIMITING HABITAT. (REF. 30-17)

HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-18)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **UNNAMED LAKE CREEK** Local Name: **CHAIN #2 LAKE CREEK** Watershed Code: **35-0500-015**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/3**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6195.54496**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: **SITUATED ON THE E SIDE OF GOLD C., WITH NO VISIBLE SURFACE CONNECTION. KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: "**CHAIN #2 LAKE**" - **AREA: 0.12 SQ.KM; PERIMETER: 1.6 KM. (REF. 6M-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**STOCKED IN "CHAIN #2 LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "CHAIN #2 LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1982/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: CAVEN CREEK Local Name: Watershed Code: 35-0500-020	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code
BLOOM CREEK	010
UNNAMED CREEK	023
HALLER CREEK	030

Topographic (1:50k) Map: 82G/3
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6154.54496
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 20.6 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO GOLD C., KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: Water Survey of Canada (WSC) Flow Gauge: Y
W.S.C. Station No. 1: 08NG078 No. 2: No. 3: No. 4:

Comments: "SEVEN MILE LAKE" - AREA: 0.04 SQ.KM; PERIMETER: 1.1 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	MIGRATORY POPULATION PRESENT. OBSERVED IN THE MAINSTEM AT 6.4 KM, AND IN BLOOM C.. (REF. 30-20, REF. 6N-6)
EB BROOK TROUT	OBSERVED IN THE MAINSTEM AT 6.4 KM. (REF. 30-20)
MW ROCKY MTN WHITEFISH	OBSERVED IN THE MAINSTEM AT 6.4 KM, AND IN BLOOM C.. (REF. 30-20, REF. 6N-6)
RB RAINBOW TROUT	OBSERVED IN THE MAINSTEM AT 6.4 KM, AND IN TRIBUTARIES. (REF. 30-15, REF. 30-20, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	THROUGHOUT. ALSO, STOCKED IN HEADWATER LAKES. (REF. 30-17, REF. 30-18, REF. 30-20)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
MR MARK RECOVERY	BT BULL TROUT WCT WESTSLOPE CUTT. TR.		BC FISH & WILDLIFE BRANCH, LIBBY RESERVOIR FISH MIGRATION STUDIES. (REF. 30-20)	1976/1976
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "SEVEN MILE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
FO FORESTRY	THERE IS LOGGING IN THE WATERSHED. (REF. 30-17)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-17)

HABITAT DESCRIPTIONS AVAILABLE. GRADIENT IS GENERALLY 1% - 2%, STEEPER ABOVE "SEVEN MILE LAKE". SUBSTRATE IS SAND/GRAVEL DOMINANT WITH SAND SUBDOMINANT, SOME GRAVEL/RUBBLE IN THE LOWER REACHES. PRODUCTIVITY APPEARS GOOD. LARGE AREAS OF BEAVER SWAMP PROVIDE EXCELLENT REARING HABITAT. THIS AREA IS HEAVILY USED BY THE PUBLIC. (REF. 30-18)

BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. ALSO, RESULTS OF A STUDY CARRIED OUT TO DETERMINE THE EXTENT OF UTILIZATION BY LIBBY RESERVOIR FISH, AVAILABLE. THE LOWER 1.5 KM IS RATED AS GOOD SPAWNING HABITAT, HOWEVER, GRAVEL COMPACTION IS HIGH. THIS SECTION ALSO PROVIDES EXCELLENT REARING HABITAT. THE SECTION FROM 1.5 KM - 5.5 KM, IS RATED AS BEING POOR SPAWNING HABITAT DUE TO LOW FLOWS AND A HIGH PROPORTION OF SEDIMENT IN THE SUBSTRATE. THIS SECTION WAS RATED AS FAIR FOR REARING HABITAT, AS THE MEANDERING STREAM DID NOT MAINTAIN AN ABUNDANCE OF SUITABLE COVER. (REF. 30-20)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **BLOOM CREEK** Local Name: Watershed Code: **35-0500-020-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code
UNNAMED LAKE CREEK	**090**

Topographic (1:50k) Map: **82G/3**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6128.54477**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **27.3 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW AND NE INTO CAVEN C. ACROSS THE U.S. BORDER, KOOTENAY DIST.. MAINSTEM LENGTH GIVEN ABOVE IS FOR THE CANADIAN SECTION OF CREEK ONLY.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED IN THE MAINSTEM AT 16.8 KM. (REF. 6N-6)**
MW ROCKY MTN WHITEFISH	**OBSERVED AT 0.1 KM. (REF. 6N-6)**
RB RAINBOW TROUT	**OBSERVED AT 0.1 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 16.8 KM. (REF. 30-18, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-17)

HABITAT DESCRIPTIONS AVAILABLE. GRADIENT IS GENERALLY 1% - 3%. SUBSTRATE IS SAND/GRAVEL DOMINANT, WITH GRAVEL/RUBBLE IN UPPER REACHES AND SAND IN LOWER REACHES SUBDOMINANT. GOOD PRODUCTIVITY IN MID AND LOWER REACHES. SUITABLE SPAWNING HABITAT AND GOOD REARING AREAS PRESENT. (REF. 30-18)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: UNNAMED LAKE CREEK Local Name: BOUNDARY LAKE CREEK Watershed Code: 35-0500-020-010-090	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code

Topographic (1:50k) Map: 82G/3
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6144.54304
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: LOCATED W OF MOUNT FITZPATRICK, IN THE HEADWATERS OF BLOOM C., WITH NO VISIBLE SURFACE CONNECTION. KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: "BOUNDARY LAKE" - AREA: 0.04 SQ.KM; PERIMETER: 0.8 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "BOUNDARY LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "BOUNDARY LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1987

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: Watershed Code: **35-0500-020-023**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6093.54472**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.1** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO CAVEN C., SE OF CHERRY LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**PRESENT IN A SMALL LAKE AT 2.8 KM. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **HALLER CREEK** Local Name: Watershed Code: **35-0500-020-030**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code
UNNAMED CREEK	**900**

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6083.54463**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **9.0** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO CAVEN C. FROM CHERRY LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **LAKE SURVEY INFORMATION FOR CHERRY LAKE, AVAILABLE. (REF. 30-6)**

CHERRY LAKE - AREA: 0.4 SQ.KM; PERIMETER: 3.6 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**STOCKED IN CHERRY LAKE. (REF. 30-15)**
WCT WESTSLOPE CUTT. TR.	**STOCKED IN CHERRY LAKE, AND OBSERVED IN A TRIBUTARY. (REF. 30-24, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
LI LAKE IMPROVEMENT	RB RAINBOW TROUT		LAKE REHABILITATION WORK DONE IN CHERRY LAKE BY THE BC FISH & WILDLIFE BRANCH. (REF. 30-15)	1983/1983
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN CHERRY LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1981
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN CHERRY LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1985/1987

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

DFO/MOEP FISH HABITAT INVENTORY AND INFORMATION PROGRAM
STREAM INFORMATION SUMMARY

Watershed Code: **35-0500-020-030-900**
Stream Name: **UNNAMED CREEK**

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: Watershed Code: **35-0500-020-030-900**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6022.54473**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **3.8** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO HALLER C., N OF RANGER LAKE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**OBSERVED AT 3.1 KM. (REF. 6M-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: UNNAMED LAKE CREEK Local Name: CHAIN #1 LAKE CREEK Watershed Code: 35-0500-021	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code

Topographic (1:50k) Map: 82G/3
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6184.54506
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: SITUATED ON THE E SIDE OF GOLD C., WITH NO VISIBLE SURFACE CONNECTION. KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: "CHAIN #1 LAKE" - AREA: 0.2 SQ.KM; PERIMETER: 2.1 KM. (REF. 6N-2B)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN "CHAIN #1 LAKE". (REF. 30-30)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "CHAIN #1 LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1982/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **TEEPEE CREEK** Local Name: Watershed Code: 35-0500-030	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code

Topographic (1:50k) Map: 82G/6
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6123.54574
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 32.3 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO GOLD C., SE OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	KNOWN PRESENT TO 22.5 KM. (REF. 6M-6)
MW ROCKY MTN WHITEFISH	KNOWN PRESENT TO 22.5 KM. (REF. 6M-6)
WCT WESTSLOPE CUTT. TR.	KNOWN PRESENT TO 22.5 KM. (REF. 30-18, REF. 30-23, REF. 6M-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED AND PARALLELED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

1% - 3% GRADIENT, STEEPER IN THE UPPER REACHES. SAND/GRAVEL DOMINANT WITH GRAVEL/RUBBLE AND RUBBLE/BOULDER IN THE UPPER REACHES, AND SAND IN THE LOWER REACHES. GOOD OVERALL PRODUCTIVITY. HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-18)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **ENGLISHMAN CREEK** Local Name: Watershed Code: **35-0600**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/3**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6271.54469**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND S INTO LAKE KOOCANUSA, NW OF GRASMERE, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **FED BY "ENGLISHMAN LAKE" - AREA: 0.12 SQ.KM; PERIMETER: 2.2 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**STOCKED IN "ENGLISHMAN LAKE". (REF. 30-30)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "ENGLISHMAN LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1984/1987

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/06/25

A. DESCRIPTION

Stream Name: **UNNAMED LAKE CREEK** Local Name: **LOST LAKE CREEK** Watershed Code: **35-1080**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/6**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6210.54583**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: **SITUATED ON THE W SIDE OF LAKE KOOCANUSA, WITH NO VISIBLE SURFACE CONNECTION, W OF ELKO, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: "**LOST LAKE**" - **AREA: 0.07 SQ.KM; PERIMETER: 1.4 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**STOCKED IN "LOST LAKE". (REF. 30-30)**
RB RAINBOW TROUT	**STOCKED IN "LOST LAKE". (REF. 30-30)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "LOST LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1987/1987
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "LOST LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1984/1987

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/20

A. DESCRIPTION

Stream Name: **UNNAMED CREEK**	D.F.O. Division:
Local Name: **DEEP LAKE CREEK**	District:
Watershed Code: **35-1090**	Subdistrict: **30**
	Statistical Subarea: -
	M.O.E. Region: **4 KOOTENAY**
	Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/6**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6205.54615**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.0 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS N AND NE INTO LAKE KOOCANUSA, W OF ELKO, KOOTENAY DIST.. THERE IS NO VISIBLE SURFACE CONNECTION TO "DEEP LAKE".**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **"DEEP LAKE" - AREA: 0.03 SQ.KM; PERIMETER: 0.7 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**STOCKED IN "DEEP LAKE". (REF. 30-30)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "DEEP LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1985/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/20

A. DESCRIPTION

Stream Name: **PLUMBOB CREEK** Local Name: Watershed Code: **35-1100**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **22**

Tributaries	Code

Topographic (1:50k) Map: **82G/6**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6202.54616**
Lat./Long. Mouth: **0G. ' '' 0G. ' ''**
Mainstem Length: **8.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO LAKE KOOCANUSA, W OF ELKO, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED IN THE MAINSTEM AT 1.2 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 1.2 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS PARALLELED BY AN ALBERTA NATURAL GAS COMPANY LTD. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

DETAILED BIOPHYSICAL INVENTORY SAMPLING DATA, WITH REFERENCE TO STUDIES OF FISH MIGRATION PATTERNS FROM THE LIBBY RESERVOIR, AVAILABLE. THE UPPER AND MIDDLE REACHES CONTAIN NUMEROUS BEAVER DAMS, AND TWO SMALL LAKES FORMED BY UNUSED IRRIGATION DAMS. THIS CREEK IS RELATIVELY UNIFORM WITH RESPECT TO FISH HABITAT. (REF. 30-5)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/20

A. DESCRIPTION

Stream Name: HAHA CREEK Local Name: Watershed Code: 35-1500	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code
EDITH CREEK	010

Topographic (1:50k) Map: 82G/6
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.6143.54754
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 28.8 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE AND NE INTO LAKE KOOCANUSA, SE OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1:
Water Survey of Canada (WSC) Flow Gauge:
No. 2:
No. 3:
No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG034. (REF. 8-80)

LAKE SURVEY INFORMATION FOR LUND LAKE, AVAILABLE. (REF. 30-6)

LAKE FED. HAHA LAKE - AREA: 0.16 SQ.KM; PERIMETER: 1.7 KM. LUND LAKE - AREA: 0.11 SQ.KM; PERIMETER: 1.5 KM. BEDNORSKI LAKE - AREA: 0.16 SQ.KM; PERIMETER: 1.8 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN BEDNORSKI, LUND AND EDITH LAKES. (REF. 30-14, REF. 30-15, REF. 30-30)
LMB LARGEMOUTH BASS	PRESENT IN LUND AND HAHA LAKES. (REF. 30-14, REF. 30-15)
RB RAINBOW TROUT	PRESENT IN BEDNORSKI LAKE, AND STOCKED IN LUND LAKE. (REF. 30-30, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN BEDNORSKI LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1988/1990
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN LUND LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1988/1990
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN LUND LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/21

A. DESCRIPTION

Stream Name: **EDITH CREEK** Local Name: Watershed Code: **35-1500-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **3**

Tributaries	Code

Topographic (1:50k) Map: **82G/6**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.6094.54763**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.3** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE AND SE INTO HAHA LAKE, SE OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **FED BY EDITH LAKE - AREA: 0.18 SQ.KM; PERIMETER: 2.3 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**STOCKED IN EDITH LAKE. (REF. 30-30, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN EDITH LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1982/1987

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/21

A. DESCRIPTION

Stream Name: **ST MARY RIVER** Local Name: Watershed Code: **35-2400**	O.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code
JOSEPH CREEK	010
PERRY CREEK	040
UNNAMED LAKE CREEK	055
MARK CREEK	060
PITT CREEK	070
MATTHEW CREEK	090
PUDDING BURN CREEK	100
HELLROARING CREEK	120
MEACHEN CREEK	160
REDDING CREEK	170
DEWAR CREEK	190
HUNGRY CREEK	200
SAWYER CREEK	250
LAPOINTE CREEK	270

Topographic (1:50k) Map: **82G/12**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5979.54977**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **123.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO (UPPER) KOOTENAY R., NE OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	6.0	108.9		A 6 M DROP OVER A LENGTH OF 8 M. (REF. 6N-6)

C. FLOW

Flow Control:
W.S.C. Station No. 1: **08NG012** Water Survey of Canada (WSC) Flow Gauge: **Y**
No. 2: **08NG046** No. 3: **08NG077** No. 4:

Comments: **ST MARY LAKE - AREA: 3.3 SQ.KM; PERIMETER: 11.5 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BB BURBOT	OBSERVED IN THE MAINSTEM AT 98.6 KM. (REF. 6N-6)
BT BULL TROUT	OBSERVED IN THE MAINSTEM TO 108.8 KM, AND IN TRIBUTARIES. (REF. 30-11, REF. 30-14, REF. 6N-6)
EB BROOK TROUT	OBSERVED IN THE MAINSTEM AT 70.4 KM, AND IN TRIBUTARIES. (REF. 30-14, REF. 30-30, REF. 6N-6)
KO KOKANEE	LIBBY RESERVOIR FISH - SPAWNING IN THE MAINSTEM TO A POINT JUST UPSTREAM OF ST MARY LAKE. (REF. 30-14)
LMB LARGEMOUTH BASS	PRESENT IN JIM SMITH LAKE. (REF. 30-14, REF. 6N-6)
MW ROCKY MTN WHITEFISH	OBSERVED IN THE MAINSTEM AT 104.0 KM. (REF. 6N-6)
RB RAINBOW TROUT	KNOWN PRESENT IN TRIBUTARIES TO PARKERS C., AND STOCKED IN SOME TRIBUTARY LAKES. (REF. 30-15, REF. 30-30, REF. 6N-6)

D. DISTRIBUTION SUMMARY CONTINUED

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	THROUGHOUT. OBSERVED IN THE MAINSTEM TO 108.8 KM, AND IN TRIBUTARIES. (REF. 30-11, REF. 30-14, REF. 6M-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
AU AUGMENTATION	WCT WESTSLOPE CUTT. TR.		B.C. FISH & WILDLIFE BRANCH - KOOTENAY HATCHERY. (REF. 30-15)	1983/1988

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
RE RESERVES	THE UPPER END OF THE WATERSHED LIES WITHIN THE PURCELL WILDERNESS CONSERVANCY. (REF. 29D-44)
LD LINEAR DEVELOPMENT	THIS RIVER IS CROSSED BY A B.C. GAS INC. PIPELINE. (REF. 30-23)
PR PARKS	ST MARY'S ALPINE PROVINCIAL PARK IS SITUATED IN THIS WATERSHED, AT THE UPPER END OF WHITE C.. (REF. 29D-44)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

RESULTS OF A STUDY DESIGNED TO DETECT CHANGES IN THE PERIPHYTON IN THE KOOTENAY AND ST MARY RIVERS, CAUSED BY EFFLUENTS FROM CRESTBROOK FOREST INDUSTRIES LTD. PULPMILL AND COMINCO LTD. MINING COMPLEX, AVAILABLE. (REF. 30-9)
RESULTS OF A STUDY DONE TO PROVIDE INFORMATION ON THE OVERALL EFFECTS OF EFFLUENTS FROM SMELTING OPERATIONS ON FISH AND BOTTOM FAUNA, AVAILABLE. (REF. 30-12)
BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / /	Prepared By:

K. SIS COMPLETED BY

Completed by:	ROSS DE MARCO	Date:	1991/07/21

A. DESCRIPTION

Stream Name: JOSEPH CREEK Local Name: Watershed Code: 35-2400-010	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code
HOSPITAL CREEK	010

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5896.54932
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 37.1 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS N AND NW INTO ST MARY R., N OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM	3.0	15.9		BARRIER TO FISH MIGRATION. IDLEWILDE RESERVOIR - FORMER WATER SUPPLY FOR CRANBROOK. (REF. 30-14, REF. 6M-6)
D DAM	29.0	20.5		DAM FOR THE RANBROOK CITY RESERVOIR. (REF. 30-14, REF. 6M-6)

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NG074, 08NG015, 08NG014, 08NG070, 08NG068, 08NG080, AND 08NG043. (REF. 8-80)

FED BY SEVERAL TRIBUTARY LAKES AND RESERVOIRS. (REF. 6M-6, REF. 6M-28, REF. 29D-44)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	KNOWN PRESENT IN THE MAINSTEM AT 19.9 KM, AND STOCKED IN TRIBUTARY LAKES. (REF. 30-14, REF. 30-30, REF. 6M-6)
LMB LARGEMOUTH BASS	PRESENT IN JIM SMITH LAKE. (REF. 30-14, REF. 6M-6)
RB RAINBOW TROUT	STOCKED IN LAKES AROUND CRANBROOK. (REF. 30-15, REF. 30-30)
WCT WESTSLOPE CUTT. TR.	MIGRATORY AND RESIDENT POPULATIONS PRESENT. THIS STREAM IS A MAJOR SPAWNING AREA FOR ST MARY R. WCT. RESIDENT POPULATION KNOWN PRESENT IN THE MAINSTEM AT 24.3 KM. (REF. 30-14, REF. 6M-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				

E. ESCAPEMENT SUMMARY CONTINUED

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "IDLEWILDE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1984
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "IDLEWILDE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1987/1991
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "IDLEWILDE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED AND PARALLELED BY A B.C. GAS INC. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/21

A. DESCRIPTION

Stream Name: HOSPITAL CREEK Local Name: HIGHWAY CREEK Watershed Code: 35-2400-010-010	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code
JIM SMITH CREEK	010

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5885.54858
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 7.5 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE TOWARD JOSEPH C., AT CRANBROOK, KOOTENAY DIST.. COORDINATES GIVEN ABOVE REFER TO THE LOWEST POINT OF STREAM VISIBLE ON THE NTS MAP.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN JIM SMITH LAKE AND IN NEW LAKE. (REF. 30-14, REF. 30-30, REF. 6N-6)
LMB LARGEMOUTH BASS	PRESENT IN JIM SMITH LAKE. (REF. 30-14, REF. 6N-6)
RB RAINBOW TROUT	STOCKED IN JIM SMITH LAKE AND IN NEW LAKE. (REF. 30-14, REF. 30-30, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

MAINSTEM LENGTH GIVEN IS ONLY FOR THE SECTION OF STREAM VISIBLE ON THE NTS MAP. (REF. 6N-28)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/21

A. DESCRIPTION

Stream Name: JIM SMITH CREEK Local Name: Watershed Code: 35-2400-010-010-010	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 3

Tributaries	Code
ANGUS CREEK	030

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5880.54840
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 11.5 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NE TOWARD HOSPITAL C. AT CRANBROOK, KOOTENAY DIST.. COORDINATES GIVEN ABOVE REFER TO THE LOWEST POINT OF STREAM VISIBLE ON THE NTS MAP.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG024. (REF. 8-80)

LAKE FED. JIM SMITH LAKE - AREA: 0.3 SQ.KM; PERIMETER: 2.8 KM. ELIZABETH LAKE - AREA: 0.11 SQ.KM; PERIMETER: 2.1 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN JIM SMITH LAKE AND IN NEW LAKE. (REF. 30-14, REF. 6N-6)
LMB LARGEMOUTH BASS	PRESENT IN JIM SMITH LAKE. (REF. 30-14, REF. 6N-6)
RB RAINBOW TROUT	STOCKED IN JIM SMITH LAKE AND IN NEW LAKE. (REF. 30-14, REF. 30-24, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN JIM SMITH LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1982/1990
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN JIM SMITH LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

MAINSTEM LENGTH GIVEN IS ONLY FOR THE SECTION OF STREAM VISIBLE ON THE NTS MAP. (REF. 6N-28)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/21

A. DESCRIPTION

Stream Name: ANGUS CREEK Local Name: Watershed Code: 35-2400-010-010-010-030	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82G/5
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5835.54815
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 4.9 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO JIM SMITH LAKE, W OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG038. (REF. 8-80)

FED BY NEW LAKE - AREA: 0.3 SQ.KM; PERIMETER: 2.6 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN NEW LAKE. (REF. 30-30)
RB RAINBOW TROUT	STOCKED IN NEW LAKE. (REF. 30-24, REF. 30-30, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN NEW LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1982/1990
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN NEW LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/21

A. DESCRIPTION

Stream Name: PERRY CREEK Local Name: Watershed Code: 35-2400-040	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code
STAPLES CREEK	010
MANCHESTER CREEK	140
SHORTY CREEK	170
UNNAMED CREEK	200

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5810.54946
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 39.0 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS NE INTO ST MARY R., NW OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
F FALLS	10.0	12.8		BARRIER TO FISH MIGRATION. (REF. 30-14, REF. 6M-28)

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG023. (REF. 8-80)			
FED BY RICHMOND LAKE - AREA: 0.17 SQ.KM; PERIMETER: 1.8 KM. (REF. 6M-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	OBSERVED IN THE MAINSTEM AT 28.7 KM. (REF. 30-14, REF. 6M-6)
RB RAINBOW TROUT	OBSERVED IN THE MAINSTEM AT 28.7 KM. ALSO, STOCKED IN RICHMOND LAKE. (REF. 30-14, REF. 30-24, REF. 6M-6)
WCT WESTSLOPE CUTT. TR.	THIS STREAM IS A MAJOR SPAWNING AREA FOR ST MARY R. WCT. OBSERVED IN THE MAINSTEM AT 11.3 KM, AND STOCKED IN TRIBUTARY LAKES. (REF. 30-14, REF. 30-15, REF. 6M-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
MI MINING	**THERE ARE AREAS IN THE WATERSHED THAT ARE DESIGNATED FOR PLACER MINING. (REF. 30-14)**

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: **ROSS DE MARCO** Date: **1991/07/21**

A. DESCRIPTION

Stream Name: **STAPLES CREEK** Local Name: Watershed Code: **35-2400-040-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82G/12**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5756.54903**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.8** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS N INTO PERRY C., NW OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM		**1.7**		**(REF. 6M-6)**
D DAM		**1.9**		**(REF. 6M-6)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**OBSERVED IN THE MAINSTEM AT 1.8 KM. (REF. 6M-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 1.8 KM. (REF. 6M-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: **ROSS DE MARCO** Date: **1991/07/21**

A. DESCRIPTION

Stream Name: **MANCHESTER CREEK** Local Name: Watershed Code: **35-2400-040-140**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5652.54801**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **4.8** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND E INTO PERRY C., SW OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1:
Water Survey of Canada (WSC) Flow Gauge:
No. 2:
No. 3:
No. 4:

Comments: **FED BY "MANCHESTER LAKE" - AREA: 0.07 SQ.KM; PERIMETER: 1.2 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "MANCHESTER LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "MANCHESTER LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1983

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/21

A. DESCRIPTION

Stream Name: **SHORTY CREEK** Local Name: Watershed Code: **35-2400-040-170**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.D.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/8**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5641.54778**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **3.3** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND NE INTO PERRY C., SW OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: **FED BY "SHORTY LAKE" - AREA: 0.04 SQ.KM; PERIMETER: 0.9 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "SHORTY LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "SHORTY LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1983

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: UPPER RICHMOND LAKE CREEK Watershed Code: 35-2400-040-200	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82F/8
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5606.54736
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 2.2 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO PERRY C. FROM "UPPER RICHMOND LAKE", SW OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: FED BY "UPPER RICHMOND LAKE" - AREA: 0.05 SQ.KM; PERIMETER: 1.0 KM. (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "UPPER RICHMOND LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED LAKE CREEK** Local Name: **LISBON LAKE CREEK** Watershed Code: **35-2400-055**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82G/12**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5756.54945**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: **SITUATED ON THE S SIDE OF ST MARY R., WITH NO VISIBLE SURFACE CONNECTION, S OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: **"LISBON LAKE" - AREA: 0.06 SQ.KM; PERIMETER: 1.0 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**STOCKED IN "LISBON LAKE". (REF. 30-15, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "LISBON LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **MARK CREEK** Local Name: Watershed Code: **35-2400-060**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code
UNNAMED CREEK	**660**

Topographic (1:50k) Map: **82G/12**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5751.54978**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **31.4 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO ST MARY R., S OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	2.0	0.6		(REF. 6N-6)
R ROCK	2.0	6.4		A 2 M DROP OVER A 3 M LENGTH. (REF. 6N-6)
R ROCK	15.0	9.8		A 15 M DROP OVER A 30 M LENGTH. (REF. 6N-6)
D DAM	8.0	10.9		(REF. 6N-6)
R ROCK	5.0	13.3		A 5 M DROP OVER A 20 M LENGTH. (REF. 6N-6)
R ROCK	15.0	13.4		(REF. 6N-6)
R ROCK	5.0	13.5		(REF. 6N-6)
R ROCK	3.0	26.0		(REF. 6N-6)
R ROCK	3.0	26.0		(REF. 6N-6)

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NG007, 08NG073 AND 08NG033. (REF. 8-80)**			
FED BY SEVERAL SMALL, UNNAMED LAKES. "EIMAR LAKE" - AREA: 0.05 SQ.KM; PERIMETER: 1.2 KM. (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN "EIMAR LAKE". (REF. 30-15)
WCT WESTSLOPE CUTT. TR.	RESIDENT POPULATION PRESENT. OBSERVED IN THE MAINSTEM AT 23.0 KM. (REF. 30-14, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "EIMAR LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1986/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
IP INDUSTRIAL PROCESSING	COMINCO INC. OPERATES A LEAD - ZINC SMELTER AT KIMBERLEY. (REF. 30-14)
MI MINING	COMINCO INC. LEAD - ZINC MINE OPERATIONS AT KIMBERLEY. (REF. 30-14)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

RESULTS OF A STUDY DONE TO PROVIDE INFORMATION ON THE OVERALL EFFECTS OF EFFLUENTS FROM SMELTING OPERATIONS ON FISH AND BOTTOM FAUNA, AVAILABLE. (REF. 30-12)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: Watershed Code: **35-2400-060-660**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/16**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5703.55120**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.2** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO MARK C., NW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**OBSERVED THROUGHOUT. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **PITT CREEK** Local Name: Watershed Code: **35-2400-070**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5720.54974**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.9** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO ST MARY R, SW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**RESIDENT POPULATION PRESENT. OBSERVED IN THE MAINSTEM AT 1.8 KM. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **MATTHEW CREEK** Local Name: Watershed Code: **35-2400-090**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5680.54966**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **22.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND S INTO ST MARY R., SW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**MIGRATORY POPULATION PRESENT. OBSERVED IN THE MAINSTEM AT 12.3 KM. (REF. 30-14)**
EB BROOK TROUT	**OBSERVED IN THE MAINSTEM AT 1.1 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**RESIDENT POPULATION PRESENT. OBSERVED IN THE MAINSTEM AT 12.3 KM. (REF. 30-14, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

A FOREST FIRE OCCURRED IN THIS WATERSHED IN 1985. (REF. 30-21)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **PUDDING BURN CREEK** Local Name: Watershed Code: **35-2400-100**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: **-** M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5646.54964**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **8.8** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW AND NE INTO ST MARY R., SW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**RESIDENT POPULATION PRESENT. OBSERVED IN THE MAINSTEM AT 2.0 KM. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **HELLROARING CREEK** Local Name: Watershed Code: **35-2400-120**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5611.54957**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **30.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE AND N INTO ST MARY R., JUST DOWNSTREAM OF ST MARY LAKE, SW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
F FALLS	**3.0**	**5.4**		**BARRIER TO FISH MIGRATION. (REF. 30-14)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY SEVERAL SMALL TRIBUTARY LAKES. (REF. 290-44)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BB BURBOT	**OBSERVED IN THE MAINSTEM AT 0.5 KM. (REF. 30-14)**
WCT WESTSLOPE CUTT. TR.	**RESIDENT AND MIGRATORY POPULATIONS PRESENT. RESIDENT FISH OBSERVED IN THE MAINSTEM AT 12.0 KM. MIGRATORY FISH PRESENT TO 3 M FALLS AT 5.4 KM. (REF. 30-14, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **MEACHEN CREEK** Local Name: Watershed Code: **35-2400-160**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code
UNNAMED CREEK	**030**
UNNAMED CREEK	**040**
UNNAMED CREEK	**070**
UNNAMED CREEK	**090**

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5542.54956**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **35.0** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO ST MARY R. UPSTREAM OF ST MARY LAKE, SW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	**2.0**	**20.1**		**(REF. 6M-6)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: **FED BY SEVERAL TRIBUTARY LAKES, AND "MEACHEN LAKE" - AREA: 0.2 SQ.KM; PERIMETER: 3.0 KM. (REF. 6M-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE SUSPECTED. (REF. 6M-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 23.5 KM, AND STOCKED IN TRIBUTARY HEADWATER LAKES. (REF. 30-15, REF. 6M-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **WHITE BOAR LAKE CREEK** Watershed Code: **35-2400-160-030**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: **-** M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5457.54895**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **4.2 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW INTO MEACHEN C. FROM WHITE BOAR LAKE, W OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY WHITE BOAR LAKE - AREA: 0.2 SQ.KM; PERIMETER: 2.5 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN WHITE BOAR LAKE. (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN WHITE BOAR LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **AILSA LAKE CREEK** Watershed Code: **35-2400-160-040**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5456.54894**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **5.1** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE AND N INTO MEACHEN C. FROM AILSA LAKE, W OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY AILSA LAKE - AREA: 0.1 SQ.KM; PERIMETER: 1.4 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN AILSA LAKE. (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN AILSA LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **DENNIS LAKE CREEK, HOURGLASS LAKE CREEK** Watershed Code: **35-2400-160-070**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5373.54853**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **4.9** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO MEACHEN C. FROM "HOURGLASS LAKE", W OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: **LAKE FED. "HOURGLASS LAKE" - AREA: 0.3 SQ.KM; PERIMETER: 3.2 KM. "DENNIS LAKE" - AREA: 0.3 SQ.KM; PERIMETER: 2.9 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "HOURGLASS LAKE" AND IN "DENNIS LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "DENNIS LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1986
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "HOURGLASS LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: UPPER MEACHEN LAKES CREEK Watershed Code: 35-2400-160-090	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82F/7
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5345.54810
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 2.7 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO "MEACHEN LAKE", HEADWATERS OF MEACHEN C., N OF CRESTON, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: FED BY THE "UPPER MEACHEN LAKES" - AREA: 0.16 SQ.KM; PERIMETER: 1.7 KM. AREA: 0.06 SQ.KM; PERIMETER: 1.2 KM. AREA: 0.02 SQ.KM; PERIMETER: 0.6 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN THE "UPPER MEACHEN LAKES". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "UPPER MEACHEN LAKE", "UPPER MEACHEN #1 LAKE", AND "UPPER MEACHEN #2 LAKE" ("UPPER MEACHEN LAKES"), FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **REDDING CREEK** Local Name: Watershed Code: **35-2400-170**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code
HALL LAKE CREEK	040
PARKERS CREEK	060
BAKER CREEK	080
UNNAMED CREEK	110

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5495.54977**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **50.0** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE AND SE INTO ST MARY R., W OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: **FED BY SEVERAL TRIBUTARY LAKES. (REF. 29D-44)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**KNOWN PRESENT IN THE MAINSTEM TO 37.3 KM, AND IN TRIBUTARIES. (REF. 6N-6)**
RW ROCKY MTN WHITEFISH	**KNOWN PRESENT IN THE MAINSTEM TO 6.3 KM. (REF. 6N-6)**
RB RAINBOW TROUT	**KNOWN PRESENT IN PARKER C.. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**KNOWN PRESENT IN THE MAINSTEM TO 37.3 KM AND IN TRIBUTARIES. ALSO, STOCKED IN TRIBUTARY LAKES. (REF. 30-15, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: HALL LAKE CREEK Local Name: Watershed Code: 35-2400-170-040	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82F/9
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5396.55015
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 8.9 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NW AND NE INTO REDDING C. FROM HALL LAKE, W OF KIMBERLEY, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: FED BY HALL LAKE - AREA: 0.3 SQ.KM; PERIMETER: 2.9 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN HALL LAKE. (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **PARKERS CREEK** Local Name: Watershed Code: **35-2400-170-060**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/10**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5354.54999**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **12.1** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW INTO REDDING C., N OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	**10.0**	**0.2**		**(REF. 6N-6)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**PRESENT AT 2.3 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **BAKER CREEK** Local Name: Watershed Code: **35-2400-170-080**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/10**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5310.54953**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **11.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO REDDING C., N OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	**3.0**	**0.2**		**A 3 M DROP OVER A 70 M LENGTH. (REF. 6N-6)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED IN THE MAINSTEM AT 0.4 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 0.4 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **BAKER LAKE CREEK** Watershed Code: **35-2400-170-110**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/10**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5282.54829**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **5.2** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO REDDING C. FROM "BAKER LAKE", N OF CRESTON, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **FED BY "BAKER LAKE" - AREA: 0.3 SQ.KM; PERIMETER: 2.6 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "BAKER LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "BAKER LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: DEWAR CREEK Local Name: Watershed Code: 35-2400-190	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code
WHITE CREEK	010
COPPERY CREEK	050
CALAMITY CREEK	060
UNNAMED CREEK	100

Topographic (1:50k) Map: 82F/9
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5453.55056
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 47.6 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS S INTO ST MARY R., W OF KIMBERLEY, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	2.0	7.7		A 2 M DROP OVER A 12 M LENGTH. (REF. 6N-6)
R ROCK	3.0	37.5		(REF. 6N-6)

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	OBSERVED IN THE MAINSTEM TO 35.2 KM, AND IN TRIBUTARIES. (REF. 30-11, REF. 6N-6)
MW ROCKY MTN WHITEFISH	OBSERVED IN THE MAINSTEM TO 17.1 KM, AND IN WHITE C.. (REF. 30-11, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	OBSERVED IN THE MAINSTEM TO 35.2 KM, AND IN TRIBUTARIES. (REF. 30-11, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
FO FORESTRY	THERE HAS BEEN LOGGING IN THE WATERSHED IN THE PAST. (REF. 30-11)
RE RESERVES	THE UPPER WATERSHED LIES WITHIN THE PURCELL WILDERNESS CONSERVANCY. (REF. 29D-44)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THERE IS SIGNIFICANT SPORT FISHING ON THIS STREAM; FISH ARE NOT AS ABUNDANT AS IN WHITE C., AND THIS IS PROBABLY DUE TO THE LIMITED NUMBER OF HOLDING POOLS. IT IS UNLIKELY THAT INTENSIVE FISHING PRESSURE CAN BE SUSTAINED ON THIS CREEK. GLACIALLY FED. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **WHITE CREEK** Local Name: Watershed Code: **35-2400-190-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code
UNNAMED CREEK	**010**
UNNAMED CREEK	**030**
JURAK CREEK	**050**
SPADE CREEK	**070**

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5452.55063**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **38.8** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW AND S INTO DEWAR C., NW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY NUMEROUS LAKES. (REF. 29D-44)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED IN THE MAINSTEM TO 25.2 KM, AND IN TRIBUTARIES. (REF. 30-11, REF. 6N-6)**
MW ROCKY MTN WHITEFISH	**OBSERVED IN THE MAINSTEM AT 1.8 KM. (REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM TO 25.2 KM, AND IN TRIBUTARIES. (REF. 30-11, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
PR PARKS	THE UPPER WATERSHED LIES WITHIN THE ST MARY'S ALPINE PROVINCIAL PARK. (REF. 29D-44)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THE NUMBERS AND SIZE OF WCT IN THIS STREAM ARE SUFFICIENT TO PRODUCE A HIGH QUALITY SPORT FISHERY. DETAILED BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **BURNT CREEK** Watershed Code: **35-2400-190-010-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/16**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5480.55110**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **8.9** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW AND SW INTO WHITE C., W OF MOUNT LEVESQUE, NW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
X LOG JAMS				**THE STREAM IS BLOCKED BY EXTENSIVE LOG JAMS. (REF. 30-11)**

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED IN THE MAINSTEM AT 1.3 KM. (REF. 30-11)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THE SUBSTRATE IS COMPOSED OF LARGE BOULDERS AND BEDROCK ABOVE THE BRIDGE, AND BOULDER/GRAVEL BELOW THE BRIDGE TO THE MOUTH. MARGINAL SPAWNING POTENTIAL. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK**	D.F.O. Division:
Local Name: **BERGLIEN LAKE CREEK, BOULDER CREEK LINDSAY LAKE CREEK**	District:
Watershed Code: **35-2400-190-010-030**	Subdistrict: **30**
	Statistical Subarea: -
	M.O.E. Region: **4 KOOTENAY**
	Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/16**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5516.55158**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **9.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW AND W INTO WHITE C. FROM BERGLIEN LAKE, NW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:

Comments: **FED BY BERGLIEN LAKE (A.K.A. "LINDSAY LAKE") - AREA: 0.16 SQ.KM; PERIMETER: 2.3 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 0.5 KM. ALSO, STOCKED IN BERGLIEN LAKE (A.K.A. "LINDSAY LAKE"). (REF. 30-11, REF. 30-30)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN BERGLIEN LAKE (A.K.A. "LINDSAY LAKE") FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1977/1980
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN BERGLIEN LAKE (A.K.A. "LINDSAY LAKE") FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1986/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
FO FORESTRY	THE WATERSHED HAS BEEN SUBJECTED TO LOGGING IN THE PAST. (REF. 30-11)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THE SUBSTRATE CONSISTS MAINLY OF LARGE BOULDERS, BEDROCK AND SOME GRAVEL. LIMITED AMOUNT OF SPAWNING GRAVELS PRESENT. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: JURAK CREEK Local Name: ALCAN LAKE CREEK Watershed Code: 35-2400-190-010-050	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82F/16
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5519.55194
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 6.3 km Ref. No.: 6M-28
Watershed Area: Ref. No.:

Location: FLOWS NE AND SE INTO WHITE C. FROM JURAK LAKE, NW OF KIMBERLEY, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: FED BY JURAK LAKE (A.K.A. "ALCAN LAKE") - AREA: 0.16 SQ.KM; PERIMETER: 1.7 KM. (REF. 6M-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN JURAK LAKE (A.K.A. "ALCAN LAKE"). (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN JURAK LAKE (A.K.A. "ALCAN LAKE") FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **SPADE CREEK** Local Name: Watershed Code: **35-2400-190-010-070**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/16**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5503.55223**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **10.4** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS E INTO WHITE C. FROM SPADE LAKE, NW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1:
Water Survey of Canada (WSC) Flow Gauge:
No. 2:
No. 3:
No. 4:

Comments: **FED BY NUMEROUS MAINSTEM AND TRIBUTARY LAKES, THE LARGEST OF WHICH ARE: SPADE LAKE - AREA: 0.13 SQ.KM; PERIMETER: 1.8 KM. MORTAR LAKE - AREA: 0.13 SQ.KM; PERIMETER: 2.0 KM. TOTEM LAKE - AREA: 0.4 SQ.KM; PERIMETER: 4.4 KM. PRICE LAKE - AREA: 0.8 SQ.KM; PERIMETER: 4.9 KM. (REF. 6N-28)**

TRINITY LAKE - AREA: 0.12 SQ.KM; PERIMETER: 1.7 KM. HUGGARD LAKE - AREA: 0.2 SQ.KM; PERIMETER: 2.6 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE NOTED. OBSERVED IN SPADE LAKE. (REF. 30-11, REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**PRESENCE NOTED. OBSERVED IN SPADE LAKE. STOCKED IN SPADE LAKE IN THE PAST, BUT PRESENTLY THE POPULATION IS MAINTAINING ITSELF THROUGH NATURAL RECRUITMENT. (REF. 30-11, REF. 30-15, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN SPADE LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1989/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
PR PARKS	THIS WATERSHED LIES WITHIN THE ST MARY'S ALPINE PROVINCIAL PARK. (REF. 29D-44)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS STREAM HAS STEEP GRADIENT AND LARGE BOULDER SUBSTRATE, WITH PATCHES OF GRAVEL THROUGHOUT. IT APPEARS TO BE A GOOD REARING AND SPAWNING AREA. NUMEROUS SMALL FALLS AND LOG JAMS THROUGHOUT THE STREAM CREATE BARRIERS TO MIGRATORY FISH. HOWEVER, IT APPEARS THAT RESIDENT FISH ARE DISTRIBUTED THROUGHOUT THE STREAM. THIS IS A POPULAR FISHING AND CAMPING AREA. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **COPPERY CREEK** Local Name: Watershed Code: **35-2400-190-050**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/16**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5405.55162**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.9** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO DEWAR C., NW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 0.4 KM. (REF. 3D-11)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THE SUBSTRATE IS COMPOSED MAINLY OF LARGE BOULDERS AND GRAVEL. GRADIENT IS STEEP, WITH NUMEROUS SMALL WATERFALLS AND LOG JAMS THAT PROBABLY CREATE BARRIERS TO UPSTREAM MIGRATION. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTION AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: **ROSS DE MARCO** Date: **1991/07/22**

A. DESCRIPTION

Stream Name: **CALAMITY CREEK** Local Name: Watershed Code: **35-2400-190-060**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/16**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5392.55201**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **9.5** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND E INTO DEWAR C., NW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED IN THE MAINSTEM AT 0.4 KM. (REF. 30-11)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 0.4 KM. (REF. 30-11)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS STREAM HAS RUBBLE SUBSTRATE, WITH SPAWNING GRAVEL FOUND THROUGHOUT, IN POOLS BEHIND LARGE ROCKS. POTENTIAL FOR REARING APPEARS GOOD THROUGHOUT. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **WESTLY CREEK** Watershed Code: **35-2400-190-100**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/16**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5380.55273**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **8.9** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO DEWAR C., W OF ST MARY'S ALPINE PROVINCIAL PARK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE NOTED IN HIGH NUMBERS. (REF. 30-11)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
RE RESERVES	THIS WATERSHED LIES WITHIN THE PURCELL WILDERNESS CONSERVANCY. (REF. 29D-44)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THIS STREAM HAS THE HIGHEST DENSITY OF FISH COMPARED TO OTHER DEWAR C. TRIBUTARIES. SAMPLING PRODUCED NUMEROUS BT BUT NO WCT. POSSIBLY THE LACK OF DEEP POOLS IN THIS STREAM RESULTED IN THE ABSENCE OF WCT. THE SUBSTRATE RANGES FROM LARGE BOULDERS TO FINE RUBBLE. GRAVEL IS MORE PREDOMINANT IN THE FIRST KILOMETRE. SPAWNING GRAVEL IS FOUND IN POCKETS THROUGHOUT THE STREAM. THIS IS A VERY IMPORTANT SPAWNING AND REARING AREA FOR BT. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **HUNGRY CREEK** Local Name: **HUNGARY CREEK** Watershed Code: **35-2400-200**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/9**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5429.55082**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **10.8** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO ST MARY R., NW OF KIMBERLEY, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 1.0 KM. (REF. 30-11)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THE SUBSTRATE IS LARGE BOULDERS, WITH LIMITED SPAWNING POTENTIAL IN THE LOWER PORTION OF THE STREAM. GRADIENT IS STEEP, WITH FEW POOLS. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **SAWYER CREEK** Local Name: Watershed Code: **35-2400-250**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/15**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5323.55119**
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: **8.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO ST MARY R. NEAR ITS HEADWATERS, E OF RIONDEL, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN ABUNDANCE, AND KNOWN PRESENT IN LOWER 0.3 KM. (REF. 30-11, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
FO FORESTRY	BOTH SIDES OF THE STREAM HAVE BEEN LOGGED, CAUSING NOTICEABLE BANK EROSION. (REF. 30-11)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

GRADIENT IS THE UNFAVOURABLE LIMITATION, WITH NUMEROUS SMALL FALLS AND BARRIERS THROUGHOUT. HOWEVER, DESPITE THESE LIMITATIONS SAWYER C. APPEARS TO BE FAIRLY PRODUCTIVE. THERE IS AN ABUNDANT POPULATION OF RESIDENT WCT. SUBSTRATE IS BOULDER AND BEDROCK, WITH VERY LITTLE SPAWNING POTENTIAL. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTIONS AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: LAPOINTE CREEK Local Name: Watershed Code: 35-2400-270	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82F/15
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5293.55141
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 4.0 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NE INTO ST MARY R. NEAR ITS HEADWATERS, E OF RIONDEL, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	KNOWN PRESENT IN THE MAINSTEM TO 0.2 KM. (REF. 30-11, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	KNOWN PRESENT IN THE MAINSTEM TO 0.2 KM. (REF. 30-11, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
FO FORESTRY	THIS STREAM HAS BEEN SEVERELY AFFECTED BY LOGGING, AND POTENTIAL FOR FISH PRODUCTION HAS BEEN GREATLY REDUCED. (REF. 30-11)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

THE SUBSTRATE IS BOULDER AND RUBBLE, WITH FINE GRAVEL AND SAND IN THE LOWER PORTION DOWNSTREAM OF THE LOGGED AREA. BIOPHYSICAL SAMPLING DATA AND HABITAT DESCRIPTION AVAILABLE. (REF. 30-11)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: UNNAMED LAKE CREEK Local Name: CAMPBELL LAKE CREEK CAMPBELL MEYER LAKE CREEK Watershed Code: 35-2440	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 21

Tributaries	Code

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5980.55003
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: SITUATED ON THE E SIDE OF (UPPER) KOOTENAY R., WITH NO VISIBLE SURFACE CONNECTION, NE OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: "CAMPBELL MEYER LAKE" - AREA: 0.07 SQ.KM; PERIMETER: 1.4 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN "CAMPBELL MEYER LAKE". (REF. 30-15)
RB RAINBOW TROUT	STOCKED IN "CAMPBELL MEYER LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "CAMPBELL MEYER LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1980/1990
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "CAMPBELL MEYER LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1986/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/22

A. DESCRIPTION

Stream Name: **LAKIT CREEK** Local Name: Watershed Code: **35-2500**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **21**

Tributaries	Code

Topographic (1:50k) Map: **82G/12**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5973.55024**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **8.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW TOWARD (UPPER) KOOTENAY R., NE OF CRANBROOK, KOOTENAY DIST.. COORDINATES GIVEN ABOVE REFER TO THE LOWEST POINT OF STREAM VISIBLE ON THE NTS MAP.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM	**2.0**	**4.9**		**(REF. 6N-6)**

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NG027 AND 08NG059. (REF. 8-80)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**PRESENCE NOTED, IN LARGE BEAVER PONDS. (REF. 30-14, REF. 30-24)**
RB RAINBOW TROUT	**OBSERVED IN THE MAINSTEM AT 1.2 KM, AND IN PONDS. (REF. 30-14, REF. 30-24, REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**PRESENT IN THE MAINSTEM POND AT 4.9 KM. (REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

MAINSTEM LENGTH AND DISTANCES GIVEN IN THIS FILE ARE MEASURED FROM THE SECTION OF STREAM VISIBLE ON THE NTS MAP. (REF. 6N-28)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: UNNAMED LAKE CREEK Local Name: FRANCIS LAKE CREEK Watershed Code: 35-2550	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5915.55010
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: SITUATED ON THE W SIDE OF (UPPER) KOOTENAY R., WITH NO VISIBLE SURFACE CONNECTION, N OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: "FRANCIS LAKE" - AREA: 0.13 SQ.KM; PERIMETER: 1.7 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN "FRANCIS LAKE". (REF. 30-30)
RB RAINBOW TROUT	STOCKED IN "FRANCIS LAKE". (REF. 30-30)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "FRANCIS LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1982
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "FRANCIS LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1983

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

DFO/MOEP FISH HABITAT INVENTORY AND INFORMATION PROGRAM
STREAM INFORMATION SUMMARY

Watershed Code: 35-2560
Stream Name: UNNAMED LAKE CREEK

A. DESCRIPTION

Stream Name: UNNAMED LAKE CREEK Local Name: ADRIEN LAKE CREEK Watershed Code: 35-2560	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5890.55014
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: SITUATED ON THE W SIDE OF (UPPER) KOOTENAY R., WITH NO VISIBLE SURFACE CONNECTION, N OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: "ADRIEN LAKE" - AREA: 0.11 SQ.KM; PERIMETER: 2.3 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	STOCKED IN "ADRIEN LAKE". (REF. 30-30)
RB RAINBOW TROUT	STOCKED IN "ADRIEN LAKE". (REF. 30-30)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "ADRIEN LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1981/1982
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "ADRIEN LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1983

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: SAUGUM CREEK Local Name: Watershed Code: 35-2600	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 21

Tributaries	Code
GRUNDY CREEK	020

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5951.55026
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 7.8 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SW INTO (UPPER) KOOTENAY R., NE OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM	6.0	1.9		WATER STORAGE DAM FOR WATERFOWL CONSERVATION PURPOSES. (REF. 30-14, REF. 6N-6)

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: FED BY "SAUGUM LAKE" - AREA: 0.3 SQ.KM; PERIMETER: 4.6 KM. (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	PRESENT IN MAINSTEM PONDS AT 4.6 KM. (REF. 30-14, REF. 30-15)
RB RAINBOW TROUT	PRESENT IN MAINSTEM PONDS AT 4.6 KM. (REF. 30-14, REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "SAUGUM LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1983/1990
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "SAUGUM LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1982/1984

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: GRUNDY CREEK Local Name: SOWERBY CREEK Watershed Code: 35-2600-020	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 21

Tributaries	Code

Topographic (1:50k) Map: 82G/13
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5965.55130
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 4.2 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS W AND S INTO SOWERBY LAKE, WITH NO VISIBLE SURFACE CONNECTION TO SAUGUM C., E OF WASA, KOOTENAY DIST.. COORDINATES GIVEN ABOVE REFER TO SOWERBY LAKE.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1:
Water Survey of Canada (WSC) Flow Gauge:
No. 2:
No. 3:
No. 4:

Comments: SOWERBY LAKE (A.K.A. "GRUNDY LAKE") - AREA: 0.09 SQ.KM; PERIMETER: 2.0 KM. INTERMITTENT CONNECTION TO SOWERBY C.. (REF. 30-14, REF. 6N-28, REF. 29D-44)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	PRESENT IN SOWERBY LAKE (A.K.A. "GRUNDY LAKE"). (REF. 30-24, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No..
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN SOWERBY LAKE (A.K.A. "GRUNDY LAKE") FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

DFO/MOEP FISH HABITAT INVENTORY AND INFORMATION PROGRAM
STREAM INFORMATION SUMMARY

Watershed Code: 35-2700
Stream Name: MATHER CREEK

A. DESCRIPTION

Stream Name: MATHER CREEK Local Name: Watershed Code: 35-2700	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code
WAIT CREEK	010
LOST DOG CREEK	020

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5940.55045
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 59.8 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS E AND SE INTO (UPPER) KOOTENAY R., E OF KIMBERLEY, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NG003, 08NG036, 08NG040 AND 08NG076. (REF. 8-80)

FED BY SMALL TRIBUTARY LAKES. (REF. 29D-44)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	OBSERVED IN THE MAINSTEM AT 24.3 KM. (REF. 6N-6)
EB BROOK TROUT	OBSERVED IN THE MAINSTEM AT 42.8 KM. (REF. 6N-6)
RB RAINBOW TROUT	STOCKED IN HAHAS LAKE. (REF. 30-14)
WCT WESTSLOPE CUTT. TR.	SPAWNING IN LOWER 2.5 KM. OBSERVED IN THE MAINSTEM AT 9.8 KM, AND STOCKED IN MCNAIR LAKES. (REF. 30-14, REF. 30-30, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED BY A B.C. GAS INC. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: **WAIT CREEK** Local Name: Watershed Code: **35-2700-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4. KOOTENAY** Management Unit: **20**

Tributaries	Code
HAHAS LAKE CREEK	**010**

Topographic (1:50k) Map: **82G/12**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5883.55036**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **7.0** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO MATHER C., N OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: -- Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: **HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NG071 AND 08NG072. (REF. 8-80)**

BARTHOLOMEW LAKE - AREA: 0.07 SQ.KM; PERIMETER: 1.3 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**STOCKED IN BARTHOLOMEW LAKE. (REF. 30-30)**
RB RAINBOW TROUT	**STOCKED IN HAHAS LAKE. (REF. 30-14, REF. 30-30)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN BARTHOLOMEW LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1988

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED BY A B.C. GAS INC. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: HAHAS LAKE CREEK Local Name: STONEY LAKE CREEK Watershed Code: 35-2700-010-010	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5847.55110
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: SITUATED IN THE WAIT C. HEADWATERS, WITH NO VISIBLE SURFACE CONNECTION, N OF CRANBROOK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: HAHA LAKE (A.K.A. "STONEY LAKE") - AREA: 0.6 SQ.KM; PERIMETER: 6.6 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	STOCKED IN HAHAS LAKE (A.K.A. "STONEY LAKE"). (REF. 30-14)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN HAHAS LAKE (A.K.A. "STONEY LAKE") FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1984/1990
LI LAKE IMPROVEMENT	RB RAINBOW TROUT		WINTER AEREATION WORK CARRIED OUT BY B.C. FISH & WILDLIFE BRANCH ON HAHAS LAKE ON AN ANNUAL BASIS. (REF. 30-14, REF. 30-15)	1984/

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: LOST DOG CREEK Local Name: MCNAIR LAKES CREEK Watershed Code: 35-2700-020	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82G/12
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5825.55057
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 24.3 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS S INTO MATHER C., E OF KIMBERLEY, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: MCNAIR LAKES ARE SITUATED IN THE HEADWATERS, WITH NO VISIBLE SURFACE CONNECTION. #1 - AREA: 0.05 SQ.KM; PERIMETER: 1.0 KM. #2 - AREA: 0.01 SQ.KM; PERIMETER: 0.5 KM. #3 - AREA: 0.03 SQ.KM; PERIMETER: 0.8 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN MCNAIR LAKES. (REF. 30-24, REF. 30-30, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN MCNAIR LAKES FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: LEWIS CREEK Local Name: Watershed Code: 35-2800	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 21

Tributaries	Code
UNNAMED CREEK	020

Topographic (1:50k) Map: 82G/13
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5910.55117
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 20.3 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SW INTO (UPPER) KOOTENAY R. THROUGH LEWIS SLOUGH, NE OF KIMBERLEY, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
D DAM	2.0	12.5		(REF. 6N-6)
R ROCK	30.0	13.8		(REF. 6N-6)

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NG084 AND 08NG049. (REF. 8-80)			
FED BY LAZY LAKE, AND DEPENDING ON WATER LEVELS, BY FLOWS THROUGH WASA LAKE (SEE HANSON C. FILE 35-2900). (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
EB BROOK TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
LMB LARGEMOUTH BASS	PRESENT IN LEWIS SLOUGH AND WASA LAKE. (REF. 30-14, REF. 30-24, REF. 6N-6)
RB RAINBOW TROUT	STOCKED IN LAZY LAKE. (REF. 30-15, REF. 30-24, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	OBSERVED IN THE MAINSTEM AT 12.2 KM. (REF. 6N-6)
YP YELLOW PERCH	PRESENT IN LEWIS SLOUGH AND WASA LAKE. (REF. 30-14, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				

E. ESCAPEMENT SUMMARY CONTINUED

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: **ROSS DE MARCO** Date: **1991/07/23**

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: LAZY LAKE CREEK Watershed Code: 35-2800-020	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 21

Tributaries	Code

Topographic (1:50k) Map: 82G/13
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5982.55182
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 3.0 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SW INTO LEWIS C. FROM LAZY LAKE, NE OF KIMBERLEY, KOOTENAY DIST.. NOT EXACTLY AS SHOWN ON NTS MAP.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: FED BY LAZY LAKE -- AREA: 0.3 SQ.KM; PERIMETER: 4.0 KM. (REF. 6N-28)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	STOCKED IN LAZY LAKE. (REF. 30-15, REF. 30-24, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN LAZY LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: **UNNAMED LAKE CREEK** Local Name: **HAHAS POTHOLE CREEK, SOLAR LAKE CREEK** Watershed Code: **35-2850**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: **-** M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82G/13**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5849.55125**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: **SITUATED ON THE W SIDE OF (UPPER) KOOTENAY R., WITH NO VISIBLE SURFACE CONNECTION, N OF CRANBROOK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **"SOLAR LAKE" (A.K.A. "HAHAS POTHOLE") - AREA: 0.05 SQ.KM; PERIMETER: 1.0 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**STOCKED IN "SOLAR LAKE" (A.K.A. "HAHAS POTHOLE"). (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "SOLAR LAKE" (A.K.A. "HAHAS POTHOLE") FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1984/1984
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "SOLAR LAKE" (A.K.A. "HAHAS POTHOLE") FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1986/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: HANSON CREEK Local Name: WASA LAKE CREEK Watershed Code: 35-2900	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 21

Tributaries	Code

Topographic (1:50k) Map: 82G/13
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5903.55142
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 2.5 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: EPHEMERAL DRAINAGE CHANNEL CONNECTING WASA LAKE TO THE (UPPER) KOOTENAY R., THROUGH WHICH (DEPENDING ON WATER LEVELS) WATER EITHER FLOWS INTO THE LAKE FROM THE RIVER, OR IS DRY. LAKE OUTLET FLOWS THROUGH LEWIS SLOUGH MOST OF THE TIME. KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG067. (REF. 8-80)

LAKE SURVEY DATA AVAILABLE FOR WASA LAKE. (REF. 30-6)

WASA LAKE - AREA: 1.0 SQ.KM; PERIMETER: 7.2 KM. WASA LAKE OUTLET FLOWS INTO LEWIS SLOUGH, DEPENDING ON (UPPER) KOOTENAY R. WATER LEVELS. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
LMB LARGEMOUTH BASS	PRESENT IN WASA LAKE. (REF. 30-14, REF. 30-24, REF. 6N-6)
YP YELLOW PERCH	PRESENT IN WASA LAKE. (REF. 30-14, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
PR PARKS	WASA PROVINCIAL PARK IS SITUATED ON THE WASA LAKE SHORELINE. (REF. 29D-44)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

REPORT OUTLINING DATA COLLECTED TO IDENTIFY FLOW COMPONENTS WHICH AFFECT WASA LAKE (WITH REFERENCE TO THE PROPOSED KOOTENAY R. DIVERSION), AVAILABLE. (REF. 30-3)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: **TA TA CREEK** Local Name: Watershed Code: **35-3000**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82G/13**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5890.55148**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **9.4** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO (UPPER) KOOTENAY R., W OF WASA, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: **HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG026. (REF. 8-80)**

FED BY TA TA LAKE - AREA: 0.12 SQ.KM; PERIMETER: 1.4 KM. (REF. 6M-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**STOCKED IN TA TA LAKE. (REF. 30-30, REF. 6M-6)**
RB RAINBOW TROUT	**OBSERVED IN THE MAINSTEM AT 2.8 KM. (REF. 6M-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN TA TA LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
LD LINEAR DEVELOPMENT	THIS STREAM IS CROSSED BY A B.C. GAS INC. PIPELINE. (REF. 30-23)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **ECHOES LAKES CREEK, REED CREEK** Watershed Code: **35-3100**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82G/13**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5857.55245**
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: **SITUATED ON THE W SIDE OF (UPPER) KOOTENAY R., WITH NO VISIBLE SURFACE CONNECTION, SW OF SKOOKUMCHUCK, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **NO VISIBLE SURFACE CONNECTION TO ECHOES LAKES. ECHOES LAKES (UPPER) - AREA: 0.09 SQ.KM; PERIMETER: 1.9 KM. ECHOES LAKES (LOWER) - AREA: 0.14 SQ.KM; PERIMETER: 2.4 KM. (REF. 6N-28)**

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**STOCKED IN ECHOES LAKES. (REF. 30-30, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
LI LAKE IMPROVEMENT	RB RAINBOW TROUT		LAKE REHABILITATION WORK DONE ON ECHOES LAKES BY B.C. FISH & WILDLIFE BRANCH. (REF. 30-15)	1986/1986
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN ECHOES LAKES FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/23

A. DESCRIPTION

Stream Name: SKOOKUMCHUCK CREEK Local Name: Watershed Code: 35-3500	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code
SANDOWN CREEK	040
BRADFORD CREEK	050
BUHL CREEK	070
UNNAMED CREEK	080

Topographic (1:50k) Map: 82G/13
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5883.55314
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 67.7 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NE AND N INTO (UPPER) KOOTENAY R., NW OF SKOOKUMCHUCK, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	3.0	36.3		(REF. 6N-6)
R ROCK	7.0	36.4		A TWO-STEP FALLS OF 5 M AND 2 M. (REF. 6N-6)
C CASCADE		36.5		(REF. 6N-6)
C CASCADE		48.8		A CASCADE AREA, POINT OF DIFFICULT PASSAGE. (REF. 30-14)

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG051. (REF. 8-80)			
FED BY NUMEROUS SMALL TRIBUTARY LAKES. (REF. 29D-44)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	OBSERVED SPAWNING IN THE MAINSTEM AT 34.8 KM, AND PRESENT IN TRIBUTARIES. (REF. 30-14)
EB BROOK TROUT	PRESENT IN SANDOWN C.. (REF. 30-14, REF. 6N-6)
MW ROCKY MTN WHITEFISH	PRESENCE SUSPECTED. (REF. 6N-6)
RB RAINBOW TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	RESIDENT POPULATION PRESENT, OBSERVED IN THE MAINSTEM AT 52.7 KM, AND IN TRIBUTARIES. ALSO OBSERVED SPAWNING IN SANDOWN C.. (REF. 30-14, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
IP INDUSTRIAL PROCESSING	CRESTBROOK FOREST INDUSTRIES OPERATES THE SKOOKUMCHUCK PULP MILL SITUATED AT THE MOUTH. THE MILL DRAWS WATER FROM SKOOKUMCHUCK C. BUT DISCHARGES WASTES INTO THE (UPPER) KOOTENAY R.. (REF. 30-14)
WW WATER WITHDRAWAL	WATER SUPPLY FOR THE SKOOKUMCHUCK PULP MILL (CRESTBROOK FOREST INDUSTRIES). (REF. 30-14)
RE RESERVES	THE UPPER END OF THE WATERSHED LIES WITHIN THE PURCELL WILDERNESS CONSERVANCY. (REF. 290-44)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **SANDOWN CREEK** Local Name: Watershed Code: **35-3500-040**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code
UNNAMED CREEK	**010**

Topographic (1:50k) Map: **82G/13**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5816.55351**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **19.9** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE AND S INTO SKOOKUMCHUCK C., SW OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY TRIBUTARY LAKES. (REF. 290-44)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE NOTED. (REF. 30-14)**
EB BROOK TROUT	**OBSERVED IN THE MAINSTEM AT 6.9 KM. (REF. 30-14, REF. 6N-6)**
WCT WESTSLOPE CUTT. TR.	**THIS STREAM IS A MAJOR SPAWNING AREA FOR SKOOKUMCHUCK C. WCT. SPAWNING MAINLY IN LOWER 10.3 KM. ALSO, STOCKED IN COPPER LAKE. (REF. 30-14, REF. 30-30, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: **ROSS DE MARCO** Date: **1991/07/24**

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: COPPER LAKE CREEK Watershed Code: 35-3500-040-010	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 20

Tributaries	Code

Topographic (1:50k) Map: 82J/4
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5788.55419
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 5.7 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO SANDOWN C. FROM COPPER LAKE, SW OF CANAL FLATS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: LAKE FED. COPPER LAKE - AREA: 0.08 SQ.KM; PERIMETER: 1.5 KM. "JEFFEREY LAKE" - AREA: 0.05 SQ.KM; PERIMETER: 1.2 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN COPPER LAKE. ALSO, PRESENT IN "JEFFEREY LAKE". (REF. 30-24, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "JEFFEREY LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1980/1988
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN COPPER LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1985

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **BRADFORD CREEK** Local Name: Watershed Code: **35-3500-050**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82G/13**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5759.55358**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **14.6** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO SKOOKUMCHUCK C., SW OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**OBSERVED IN THE MAINSTEM AT 1.7 KM. (REF. 30-14)**
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 1.7 KM. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **BUHL CREEK** Local Name: Watershed Code: **35-3500-070**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82F/16**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5700.55348**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **30.9** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO SKOOKUMCHUCK C., SW OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY SEVERAL SMALL, UNNAMED LAKES. (REF. 290-44)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	**PRESENCE SUSPECTED. (REF. 6M-6)**
WCT WESTSLOPE CUTT. TR.	**RESIDENT POPULATION PRESENT, OBSERVED IN THE MAINSTEM AT 12.3 KM. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24
Last updated by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: PLATEAU LAKE CREEK Watershed Code: 35-3500-080	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 26

Tributaries	Code

Topographic (1:50k) Map: 82F/16
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5682.55347
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 11.6 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE INTO SKOOKUMCHUCK C. FROM "PLATEAU LAKE", SW OF CANAL FLATS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: FED BY "PLATEAU LAKE" - AREA: 0.06 SQ.KM; PERIMETER: 1.1 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "PLATEAU LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "PLATEAU LAKE" FROM THE KOOTENAY HATCHERY. (REF: 30-15)	1988/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

DFO/MOEP FISH HABITAT INVENTORY AND INFORMATION PROGRAM
STREAM INFORMATION SUMMARY

Watershed Code: **35-3600**
Stream Name: **TAMARACK CREEK**

A. DESCRIPTION

Stream Name: **TAMARACK CREEK** Local Name: Watershed Code: **35-3600**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82G/13**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5873.55331**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **4.2** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO (UPPER) KOOTENAY R., S OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATION 08NG021. (REF. 8-80)**			
FED BY TAMARACK LAKE - AREA: 0.4 SQ.KM; PERIMETER: 2.8 KM. (REF. 6N-28)			
LAKE SURVEY DATA FOR TAMARACK LAKE, AVAILABLE. (REF. 30-6)			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**STOCKED IN TAMARACK LAKE. (REF. 30-24, REF. 30-30, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN TAMARACK LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

A WCT-KO HYBRID WAS CAPTURED IN TAMARACK LAKE. (REF. 30-6)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **LARCHWOOD LAKE CREEK** Local Name: Watershed Code: **35-3700**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: **-** M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82G/13**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5864.55335**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: **SITUATED ON THE W SIDE OF (UPPER) KOOTENAY R., WITH NO VISIBLE SURFACE CONNECTION, S OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **LARCHWOOD LAKE - AREA: 0.19 SQ.KM; PERIMETER: 3.0 KM. (REF. 6N-28)**

LAKE SURVEY INFORMATION FOR LARCHWOOD LAKE, AVAILABLE. (REF. 30-6)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	**STOCKED IN LARCHWOOD LAKE. (REF. 30-24, REF. 30-30, REF. 6N-6)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
LI LAKE IMPROVEMENT	RB RAINBOW TROUT		LAKE REHABILITATION WORK CARRIED OUT BY B.C. FISH & WILDLIFE BRANCH. (REF. 30-15)	1988/
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN LARCHWOOD LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1975/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: JOHNSON LAKE CREEK Local Name: Watershed Code: 35-3800	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 21

Tributaries	Code

Topographic (1:50k) Map: 82G/13
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5886.55344
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: Ref. No.:
Watershed Area: Ref. No.:

Location: SITUATED ON THE E SIDE OF (UPPER) KOOTENAY R., WITH NO VISIBLE SURFACE CONNECTION, S OF CANAL FLATS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: JOHNSON LAKE - AREA: 0.16 SQ.KM; PERIMETER: 2.0 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	PRESENT IN JOHNSON LAKE. (REF. 30-14)
RB RAINBOW TROUT	PRESENT IN JOHNSON LAKE. (REF. 30-14)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN JOHNSON LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1976/1990
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN JOHNSON LAKE FROM THE KOOTENAY HATCHERY. (REF. 30-30)	1984/1990
LI LAKE IMPROVEMENT	EB BROOK TROUT RB RAINBOW TROUT		WINTER AEREATION WORK CARRIED OUT ON THE LAKE ON AN ANNUAL BASIS BY B.C. FISH & WILDLIFE BRANCH. (REF. 30-14, REF. 30-15)	1985/

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **COPPER CREEK** Local Name: Watershed Code: **35-3900**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **20**

Tributaries	Code

Topographic (1:50k) Map: **82J/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5857.55426**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **5.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO (UPPER) KOOTENAY R., S OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**OBSERVED IN THE MAINSTEM AT 4.9 KM. (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: FINDLAY CREEK Local Name: Watershed Code: 35-4000	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 26

Tributaries	Code
DEER CREEK	040
LAVINGTON CREEK	050
DOCTOR CREEK	060
UNNAMED CREEK	070
UNNAMED CREEK	080

Topographic (1:50k) Map: 82J/4
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5867.55498
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 84.0 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE AND E INTO A (UPPER) KOOTENAY R. SIDE CHANNEL, S OF CANAL FLATS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
R ROCK	10.0	5.4		A 10 M DROP OVER A 100 M LENGTH. (REF. 6N-6)
R ROCK	2.0	9.3		A 2 M DROP OVER A 5 M LENGTH. (REF. 6N-6)
R ROCK	3.0	10.2		(REF. 6N-6)
R ROCK	2.0	10.5		A 2 M DROP OVER A 20 M LENGTH. (REF. 6N-6)

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: HISTORICAL HYDROMETRIC INFORMATION AVAILABLE FOR STATIONS: 08NG001 AND 08NG022. (REF. 8-80)

FED BY SEVERAL SMALL TRIBUTARY LAKES. (REF. 29D-44)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	RESIDENT POPULATION PRESENT. OBSERVED IN THE MAINSTEM AT 26.4 KM. (REF. 30-24, REF. 6N-6)
EB BROOK TROUT	PRESENT IN "BEAR LAKE". (REF. 30-14)
MW ROCKY MTN WHITEFISH	OBSERVED IN THE MAINSTEM AT 0.3 KM. (REF. 30-24, REF. 6N-6)
RB RAINBOW TROUT	LIMITED DISTRIBUTION. OBSERVED IN THE MAINSTEM AT 0.3 KM. ALSO, STOCKED IN TRIBUTARY LAKES. (REF. 30-14, REF. 30-15, REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	OBSERVED IN THE MAINSTEM AT 62.5 KM, AND IN TRIBUTARIES. ALSO, STOCKED IN TRIBUTARY HEADWATER LAKES. (REF. 30-21, REF. 30-24, REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
RE RESERVES	THE UPPER END OF THIS WATERSHED LIES WITHIN THE PURCELL WILDERNESS CONSERVANCY. (REF. 29D-44)

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

A LARGE FOREST FIRE OCCURRED IN THE WATERSHED IN 1985. (REF. 30-21)

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: DEER CREEK Local Name: FISHER MAIDEN LAKE CREEK Watershed Code: 35-4000-040	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 26

Tributaries	Code

Topographic (1:50k) Map: 82J/4
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5733.55531
Lat./Long. Mouth: DG. ' '' DG: ' ''
Mainstem Length: 9.0 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS SE AND E INTO FINDLAY C., W OF CANAL FLATS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: LAKE FED. "FISHER MAIDEN LAKE" - AREA: 0.02 SQ.KM; PERIMETER: 0.8 KM. "BLUE LAKE" - AREA: 0.03 SQ.KM; PERIMETER: 0.8 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
RB RAINBOW TROUT	STOCKED IN "BUE LAKE" AND IN "FISHER MAIDEN LAKE". (REF. 30-15, REF. 30-24)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "BLUE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1980/1990
JP JUVENILE PLANT	RB RAINBOW TROUT		STOCKED IN "FISHER MAIDEN LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1983/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **LAVINGTON CREEK** Local Name: Watershed Code: **35-4000-050**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **26**

Tributaries	Code
UNNAMED CREEK	**010**
UNNAMED CREEK	**030**

Topographic (1:50k) Map: **82J/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5728.55523**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **12.2** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO FINDLAY C., SW OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
NO INFORMATION AVAILABLE			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
EB BROOK TROUT	PRESENT IN "BEAR LAKE". (REF. 30-14)
WCT WESTSLOPE CUTT. TR.	OBSERVED IN THE MAINSTEM AT 7.7 KM. (REF. 6N-6)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **BEAR LAKE CREEK** Watershed Code: **35-4000-050-010**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **26**

Tributaries	Code

Topographic (1:50k) Map: **82J/4**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5730.55481**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **11.5** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO LAVINGTON C., SW OF CANAL FLATS, KOOTENAY DIST.. SURFACE CONNECTION TO "BEAR LAKE" IS UNDETERMINATE.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
W.S.C. Station No. 1: Water Survey of Canada (WSC) Flow Gauge: No. 2: No. 3: No. 4:

Comments: **SURFACE CONNECTION TO "BEAR LAKE" UNDETERMINATE. (REF. 29D-44)**

"BEAR LAKE" - AREA: 0.07 SQ.KM; PERIMETER: 1.4 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
EB BROOK TROUT	**PRESENT IN "BEAR LAKE". (REF. 30-14)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	EB BROOK TROUT		STOCKED IN "BEAR LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1987/1990

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: SNAG LAKE CREEK Watershed Code: 35-4000-050-030	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 26

Tributaries	Code

Topographic (1:50k) Map: 82J/4
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5737.55467
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 13.2 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NE INTO LAVINGTON C. FROM "SNAG LAKE", SW OF CANAL FLATS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: FED BY "SNAG LAKE" - AREA: 0.05 SQ.KM; PERIMETER: 1.0 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "SNAG LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "SNAG LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1988/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: DOCTOR CREEK Local Name: Watershed Code: 35-4000-060	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 26

Tributaries	Code
UNNAMED CREEK	500
UNNAMED CREEK	600
UNNAMED CREEK	900

Topographic (1:50k) Map: 82K/1
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5697.55529
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 25.9 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NE AND N INTO FINDLAY C., W OF CANAL FLATS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:

Comments: FED BY SEVERAL SMALL TRIBUTARY LAKES. (REF. 29D-44)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
BT BULL TROUT	PRESENCE SUSPECTED. (REF. 6N-6)
WCT WESTSLOPE CUTT. TR.	OBSERVED IN THE MAINSTEM AT 7.7 KM, AND STOCKED IN TRIBUTARY LAKES. (REF. 30-14)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
NO INFORMATION AVAILABLE				

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK**	D.F.O. Division:
Local Name: **HIDDEN LAKE CREEK**	District:
Watershed Code: **35-4000-060-500**	Subdistrict: **30**
	Statistical Subarea: **-**
	M.O.E. Region: **4 KOOTENAY**
	Management Unit: **26**

Tributaries	Code
UNNAMED CREEK	**900**

Topographic (1:50k) Map: **82K/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5626.55473**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NW INTO DOCTOR C. FROM "HIDDEN LAKE", SW OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:	Water Survey of Canada (WSC) Flow Gauge:		
W.S.C. Station No. 1:	No. 2:	No. 3:	No. 4:
Comments: **FED BY "HIDDEN LAKE" - AREA: 0.12 SQ.KM; PERIMETER: 1.7 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "HIDDEN LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "HIDDEN LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1988/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **PARADISE LAKE CREEK** Watershed Code: **35-4000-060-500-900**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **26**

Tributaries	Code

Topographic (1:50k) Map: **82K/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5656.55437**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **0.7** km Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE AND N INTO "HIDDEN LAKE C", TRIBUTARY OF DOCTOR C., FROM "PARADISE LAKE", SW OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "PARADISE LAKE" - AREA: 0.03 SQ.KM; PERIMETER: 0.7 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "PARADISE LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "PARADISE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1988/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: UNNAMED CREEK Local Name: BLAKE LAKE CREEK Watershed Code: 35-4000-060-600	D.F.O. Division: District: Subdistrict: 30 Statistical Subarea: - M.O.E. Region: 4 KOOTENAY Management Unit: 26

Tributaries	Code

Topographic (1:50k) Map: 82K/1
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: 11.5624.55461
Lat./Long. Mouth: DG. ' '' DG. ' ''
Mainstem Length: 5.5 km Ref. No.: 6N-28
Watershed Area: Ref. No.:

Location: FLOWS NE INTO DOCTOR C. FROM "BLAKE LAKE", SW OF CANAL FLATS, KOOTENAY DIST.

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control:
Water Survey of Canada (WSC) Flow Gauge:
W.S.C. Station No. 1: No. 2: No. 3: No. 4:

Comments: FED BY "BLAKE LAKE" - AREA: 0.07 SQ.KM; PERIMETER: 1.1 KM. (REF. 6N-28)

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	STOCKED IN "BLAKE LAKE". (REF. 30-15)

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "BLAKE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1989/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **CACHE LAKE CREEK** Watershed Code: **35-4000-060-900**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **26**

Tributaries	Code

Topographic (1:50k) Map: **82K/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5578.55418**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **1.8** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS NE INTO DOCTOR C. FROM "CACHE LAKE", NEAR ITS HEADWATERS, SW OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "CACHE LAKE" - AREA: 0.09 SQ.KM; PERIMETER: 1.4 KM. (REF. 6M-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "CACHE LAKE". (REF. 30-15)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "CACHE LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1988/1989

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **BROWN LAKE CREEK** Watershed Code: **35-4000-070**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **26**

Tributaries	Code

Topographic (1:50k) Map: **82K/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5639.55558**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **9.1 km** Ref. No.: **6N-28**
Watershed Area: Ref. No.:

Location: **FLOWS SW INTO FINDLAY C. FROM "BROWN LAKE", W OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)	Comments
0 - .5% .5 - 2% 2 - 5% 5 - 10% >10%	
NO INFORMATION AVAILABLE	

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "BROWN LAKE" - AREA: 0.04 SQ.KM; PERIMETER: 1.0 KM. (REF. 6N-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "BROWN LAKE". (REF. 30-21)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "BROWN LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1983/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

A. DESCRIPTION

Stream Name: **UNNAMED CREEK** Local Name: **BEAR LAKE CREEK** Watershed Code: **35-4000-080**	D.F.O. Division: District: Subdistrict: **30** Statistical Subarea: - M.O.E. Region: **4 KOOTENAY** Management Unit: **26**

Tributaries	Code

Topographic (1:50k) Map: **82K/1**
B.C.G.S. (1:20k) Map:
U.T.M. Mouth: **11.5574.55582**
Lat./Long. Mouth: **DG. ' '' DG. ' ''**
Mainstem Length: **6.4** km Ref. No.: **6M-28**
Watershed Area: Ref. No.:

Location: **FLOWS SE INTO FINDLAY C. FROM "BEAR LAKE", W OF CANAL FLATS, KOOTENAY DIST.**

Gradient Class/Location (km upstream from mouth)					Comments
0 - .5%	.5 - 2%	2 - 5%	5 - 10%	>10%	
NO INFORMATION AVAILABLE					

B. OBSTRUCTIONS TO MIGRATION

Barrier (Type)	Height (meters)	Location (km U/S)	Impassable to (species)	Comments
NO INFORMATION AVAILABLE				

C. FLOW

Flow Control: W.S.C. Station No. 1:	Water Survey of Canada (WSC) Flow Gauge: No. 2:	No. 3:	No. 4:
Comments: **FED BY "BEAR LAKE" - AREA: 0.14 SQ.KM; PERIMETER: 1.7 KM. (REF. 6M-28)**			

D. DISTRIBUTION SUMMARY

Species	Watershed Distribution
WCT WESTSLOPE CUTT. TR.	**STOCKED IN "BEAR LAKE". (REF. 30-21)**

E. ESCAPEMENT SUMMARY

Species	Escapement			Maximum Recorded Escapement	Ref. No.	Management Target Escapement	Ref. No.
	Mean	Period of Record	Ref. No.				
NO INFORMATION AVAILABLE							

F. LIFE HISTORY TIMING

Species	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NO INFORMATION AVAILABLE													

G. ENHANCEMENT/MANAGEMENT ACTIVITIES IN WATERSHED

Type of Activity	Species	Location (km U/S)	Comments	Period of Operation Start/Finish
JP JUVENILE PLANT	WCT WESTSLOPE CUTT. TR.		STOCKED IN "BEAR LAKE" FROM THE KOOTENAY HATCHERY. (REF. 30-15)	1983/1986

H. LAND USE/WATER USE/WATER QUALITY

Activity	Description/Location
NO INFORMATION AVAILABLE	

I. FISH PRODUCTION POTENTIAL/CONSTRAINTS/GENERAL COMMENTS

NO INFORMATION AVAILABLE

J. FISHERY OFFICER NARRATIVE

Date Prepared: / / Prepared By:

K. SIS COMPLETED BY

Completed by: ROSS DE MARCO Date: 1991/07/24

NUMERIC BIBLIOGRAPHY

REFERENCE LIST
1993/09/13

REFERENCE NO: 30- 33
AUTHOR:
DESCRIPTION: GREENHILLS COAL PROJECT STAGE I ENVIRONMENTAL ASSESSMENT. MARCH 1980. KAISER RESOURCES LTD. REPORT PREPARED BY B.C. RESEARCH, VANCOUVER B.C..
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 31
AUTHOR: APPERSON, K.A.; ANDERSON, P.J.
DESCRIPTION: KOOTENAI RIVER WHITE STURGEON INVESTIGATIONS AND EXPERIMENTAL CULTURE. JUNE 1990. IDAHO DEPT. OF FISH & GAME, FISHERIES RESEARCH SECTION, ANNUAL PROGRESS REPORT FY1989. 50 PP.
LOCATION: NA NOT APPLICABLE
KEYWORDS: EN ENHANCEMENT FS FISH SAMPLING PS POPULATION SAMPLING
SG STURGEONS (GENERAL)

REFERENCE NO: 30- 11
AUTHOR: AXFORD, R.; ANDRUSAK, H.
DESCRIPTION: ST MARY RIVER PROJECT. 1973. BC FISH & WILDLIFE BRANCH STREAM SURVEY.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: BT BULL TROUT CC SCULPINS (GENERAL) EN ENHANCEMENT
FS FISH SAMPLING GA GRADIENT HS HABITAT SAMPLING
MO MORPHOLOGY OB OBSTRUCTIONS PY PHYSICAL HABITAT
R REARING S SPAWNING SE SUBSTRATE
WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 30
AUTHOR: BILLINGS, SUE
DESCRIPTION: FISHERIES TECHNICIAN, FISH CULTURE SECTION, M.O.E. FISHERIES BRANCH, VICTORIA. PERSONAL COMMUNICATIONS.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: AF ALL SPECIES EN ENHANCEMENT

REFERENCE NO: 30- 9
AUTHOR: BULL, C.J.; WILLIAMS, J.D.; WHATELY, M.R.
DESCRIPTION: DENSITY CHANGES IN PERIPHYTON COMMUNITIES OF KOOTENAY AND ST.MARY RIVERS. NO DATE. TYPED REPORT.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: IP INDUSTRIAL PROCESSING LU LAND USE WQ WATER QUALITY
WU WATER USE

REFERENCE NO: 30- 13
AUTHOR: CAW, G.B.
DESCRIPTION: AN INVENTORY OF THE FLATHEAD RIVER AND TRIBUTARIES. JANUARY 1976. BC FISH & WILDLIFE BRANCH STREAM INVENTORY REPORT. 207 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: BT BULL TROUT FL FLOW FS FISH SAMPLING
GA GRADIENT HS HABITAT SAMPLING MO MORPHOLOGY
RW ROCKY MOUNTAIN WHITEFISH OB OBSTRUCTIONS PY PHYSICAL HABITAT
TE TEMPERATURE WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 22
AUTHOR: DE BOON, ARNOLD
DESCRIPTION: DISTRICT CONSERVATION OFFICER, BC FISH & WILDLIFE BRANCH, CRESTON. PERSONAL COMMUNICATIONS.
LOCATION: DO MOE - DISTRICT OFFICE
KEYWORDS: AF ALL SPECIES EN ENHANCEMENT GA GRADIENT
M MIGRATION MO MORPHOLOGY OB OBSTRUCTIONS
PY PHYSICAL HABITAT S SPAWNING

REFERENCE NO: 30- 1
AUTHOR: HARDING, E.A.; ERICKSON, L.J.
DESCRIPTION: INVENTORY OF THE GOAT RIVER, CRESTON B.C.. NOVEMBER 1974. BC FISH & WILDLIFE BRANCH REPORT. 29 PP + APPS.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: EB BROOK TROUT FL FLOW FS FISH SAMPLING
GA GRADIENT HS HABITAT SAMPLING MO MORPHOLOGY
OB OBSTRUCTIONS PY PHYSICAL HABITAT SE SUBSTRATE
WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 8
AUTHOR: HARDING, E.A.; ERICKSON, L.J.
DESCRIPTION: A PRELOGGING SURVEY OF SKELLY CREEK TRIBUTARY TO THE GOAT RIVER. NOVEMBER 1973. BC FISH & WILDLIFE BRANCH, VICTORIA. STREAM INVENTORY REPORT. 13 PP. + MAPS
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: FS FISH SAMPLING; HS HABITAT SAMPLING; MO MORPHOLOGY; PY PHYSICAL HABITAT; WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 10
AUTHOR: HARDING, E.A.; ERICKSON, L.J.
DESCRIPTION: AN INVENTORY OF UPPER KOOTENAY RIVER TRIBUTARIES NAMELY THOMAS, PAUL, AND SYMOND CREEKS. 1975. BC FISH & WILDLIFE BRANCH STREAM INVENTORY REPORT. 7 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: BT BULL TROUT; FL FLOW; FS FISH SAMPLING; GA GRADIENT; MO MORPHOLOGY; MW ROCKY MOUNTAIN WHITEFISH; OB OBSTRUCTIONS; PY PHYSICAL HABITAT; SE SUBSTRATE; TE TEMPERATURE; WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 21
AUTHOR: HUTCHINSON, JOYCE
DESCRIPTION: FISHERIES TECHNICIAN, BC FISH & WILDLIFE BRANCH, INVERMERE. PERSONAL COMMUNICATION.
LOCATION: DO MOE - DISTRICT OFFICE
KEYWORDS: AF ALL SPECIES; EN ENHANCEMENT; GA GRADIENT; M MIGRATION; MO MORPHOLOGY; OB OBSTRUCTIONS; PY PHYSICAL HABITAT; S SPAWNING

REFERENCE NO: 30- 5
AUTHOR: LINDSAY, R.A.
DESCRIPTION: PRELIMINARY INVENTORY OF SPORTFISH ESCAPEMENT FROM THE LIBBY RESERVOIR TO LINKLATER AND PLUMBOB CREEKS. APRIL 1976. BC FISH & WILDLIFE BRANCH, NELSON, B.C.. 120 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: BT BULL TROUT; EB BROOK TROUT; EN ENHANCEMENT; FL FLOW; FS FISH SAMPLING; HS HABITAT SAMPLING; M MIGRATION; MO MORPHOLOGY; MW ROCKY MOUNTAIN WHITEFISH; PS POPULATION SAMPLING; PY PHYSICAL HABITAT; RB RAINBOW TROUT; WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 18
AUTHOR: MARTIN, A.
DESCRIPTION: PARTIAL INVENTORY OF STREAMS TRIBUTARY TO THE LIBBY RESERVOIR.1974. TYPED REPORT LISTING STREAM SURVEY DATA AND PHOTOGRAPHS OF SEVERAL STREAMS. 17 PP.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: BT BULL TROUT; EB BROOK TROUT; FL FLOW; FS FISH SAMPLING; GA GRADIENT; HS HABITAT SAMPLING; MO MORPHOLOGY; MW ROCKY MOUNTAIN WHITEFISH; OB OBSTRUCTIONS; PY PHYSICAL HABITAT; RB RAINBOW TROUT; WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 23
AUTHOR: MARTIN, D.J.
DESCRIPTION: HABITAT BIOLOGIST, BC FISH & WILDLIFE BRANCH, CRANBROOK. PERSONAL COMMUNICATIONS.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: AF ALL SPECIES; FO FORESTRY; LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 290- 44
AUTHOR: NATIONAL TOPOGRAPHIC SYSTEM MAPS
DESCRIPTION: SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. 1:50,000 SCALE. VARIOUS EDITIONS.
LOCATION: D DFO - FRASER R., NORTHERN B.C. & YUKON DIVISION - NEW WEST
KEYWORDS: LD LINEAR DEVELOPMENT; PY PHYSICAL HABITAT; RE RESERVES; UD URBAN DEVELOPMENT

REFERENCE NO: 30- 3
AUTHOR: NO AUTHOR
DESCRIPTION: STAGE 2 INVESTIGATION ASSESSMENT REPORT OF 1976 WASA LAKE MONITORING FOR WASA LAKE LAND IMPROVEMENT DISTRICT, WASA LAKE, B.C.. FEBRUARY 1977. EPEC CONSULTING WESTERN LTD. REPORT FOR WASA LAKE LAND IMPROVEMENT DISTRICT.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: FL FLOW; LU LAND USE; WU WATER USE

REFERENCE NO: 30- 4
AUTHOR: NO AUTHOR
DESCRIPTION: SOME OBSERVATIONS OF THE WATER QUALITY OF TIE LAKE, B.C.. JUNE 1976. B.C. GOVERNMENT, DEPT. OF THE ENVIRONMENT, WATER RESOURCES SERVICE. 46 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: WQ WATER QUALITY

REFERENCE NO: 30- 24
AUTHOR: NO AUTHOR
DESCRIPTION: FRESHWATER ANGLING GUIDE. 1989. MOE PUBLICATION.
LOCATION: V MOE - REGION 4 - NELSON
KEYWORDS: AF ALL SPECIES

REFERENCE NO: 30- 25
AUTHOR: NO AUTHOR
DESCRIPTION: HENRETTA DRAGLINE STAGE I REPORT. DECEMBER 1990. NORECOL ENVIRONMENTAL CONSULTANTS LTD. REPORT FOR FORDING COAL LTD.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 26
AUTHOR: NO AUTHOR
DESCRIPTION: SOUTH SPOIL APPROVAL IN PRINCIPLE SUBMISSION. MARCH 1989. FORDING COAL LTD. REPORT.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 27
AUTHOR: NO AUTHOR
DESCRIPTION: KILMARNOCK CREEK DRAGLINE MINING PROPOSAL ENVIRONMENTAL IMPACT ASSESSMENT. DECEMBER 1985. FORDING COAL LTD. REPORT.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE MI MINING WCT WESTSLOPE CUTT TROUT
WU WATER USE

REFERENCE NO: 30- 28
AUTHOR: NO AUTHOR
DESCRIPTION: EAGLE MOUNTAIN PROJECT PHASE II. MARCH 1983. NORECOL ENVIRONMENTAL CONSULTANTS LTD. REPORT FOR FORDING COAL LTD.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 29
AUTHOR: NO AUTHOR
DESCRIPTION: FORDING RIVER AQUATIC ENVIRONMENT STUDY. 1980. D.B. LISTER & ASSOCIATES LTD. REPORT FOR FORDING COAL LTD.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 35
AUTHOR: NO AUTHOR
DESCRIPTION: EAGLE MOUNTAIN PROJECT PHASE I REPORT (REVISED). MAY 1982. NORECOL ENVIRONMENTAL CONSULTANTS LTD. REPORT PREPARED FOR FORDING COAL LTD.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WCT WESTSLOPE CUTT TROUT
WU WATER USE

REFERENCE NO: 30- 36
AUTHOR: NO AUTHOR
DESCRIPTION: PRELIMINARY ENVIRONMENTAL OVERVIEW BROWNIE CREEK COAL LICENCES, FORDING COAL LTD.. JULY 1979. FORDING COAL LTD. REPORT PREPARED BY B.C. RESEARCH.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WCT WESTSLOPE CUTT TROUT
WU WATER USE

REFERENCE NO: 30- 37
AUTHOR: NO AUTHOR
DESCRIPTION: FISHERY RESOURCES OF THE PROPOSED ELK RIVER DIVERSION AND GRAVE PRAIRIE DISPOSAL SITE ALTERNATIVES. JULY 1982. B.C. COAL LTD. REPORT PREPARED BY B.C. RESEARCH.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: BT BULL TROUT EB BROOK TROUT LU LAND USE
MI MINING MW ROCKY MOUNTAIN WHITEFISH WCT WESTSLOPE CUTT TROUT
WU WATER USE

REFERENCE NO: 30- 38
AUTHOR: NO AUTHOR
DESCRIPTION: ELK RIVER COAL PROJECT STAGE I REPORT TEXT (ALSO, APPENDICES VOLUME). JANUARY 1977. ELCO MINING LTD. REPORT.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 39
AUTHOR: NO AUTHOR
DESCRIPTION: BYRON CREEK COLLIERIES LIMITED EXPANSION DETAILED PROJECT ASSESSMENT VOLUME I BIOPHYSICAL ENVIRONMENT IMPACT ASSESSMENT. FEBRUARY 1983. BYRON CREEK COLLIERIES LTD. REPORT.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 40
AUTHOR: NO AUTHOR
DESCRIPTION: ENVIRONMENTAL ASSESSMENT, EXPECTED IMPACTS AND PROPOSED MITIGATION FOR THE A-SEAM MINE. 1984. REPORT PREPARED BY WESTAR MINING ENVIRONMENTAL SERVICES.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 41
AUTHOR: NO AUTHOR
DESCRIPTION: PRELIMINARY ENVIRONMENTAL STUDY OF THE PROPOSED LINE CREEK COAL PROJECT VOLUME I (AND VOLUME II). JULY 1976. CROWSNEST INDUSTRIES LTD. REPORT PREPARED BY B.C. RESEARCH.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 42
AUTHOR: NO AUTHOR
DESCRIPTION: GREENHILLS MINE STAGE I ENVIRONMENTAL ASSESSMENT FALCON PIT EXPANSION TO EXISTING MINE OPERATIONS. JANUARY 1987. WESTAR MINING LTD. REPORT.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 43
AUTHOR: NO AUTHOR
DESCRIPTION: PRELIMINARY ENVIRONMENTAL ASSESSMENT OF THE 230 KV TRANSMISSION LINE ROUTE TO THE SAGE CREEK COAL MINE SITE. JANUARY 1982. SAGE CREEK COAL LTD. REPORT PREPARED BY NORECOL ENVIRONMENTAL CONSULTANTS LTD.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LD LINEAR DEVELOPMENT LU LAND USE MI MINING
WU WATER USE

REFERENCE NO: 30- 44
AUTHOR: NO AUTHOR
DESCRIPTION: SAGE CREEK COAL STAGE II ENVIRONMENTAL ASSESSMENT. JANUARY 1982. SAGE CREEK COAL LTD. REPORT PREPARED BY B.C. RESEARCH AND NORECOL ENVIRONMENTAL CONSULTANTS LTD..
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 45
AUTHOR: NO AUTHOR
DESCRIPTION: SAGE CREEK COAL STUDY DRAFT REPORT ON FISHERIES OF THE MINE SITE VICINITY. DECEMBER 1976. AQUATICO ENVIRONMENTAL CONSULTANTS LTD. REPORT.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: BT BULL TROUT LU LAND USE MI MINING
MW ROCKY MOUNTAIN WHITEFISH WCT WESTSLOPE CUTT TROUT WU WATER USE

REFERENCE NO: 30- 46

AUTHOR: NO AUTHOR
DESCRIPTION: FISHERIES INVESTIGATIONS IN THE FLATHEAD RIVER DRAINAGE, BRITISH COLUMBIA. DECEMBER 1976. PRELIMINARY DATA REPORT FOR SAGE CREEK COAL LTD. & RIO ALGOM LTD., BY G.J. MANN, AQUATIC ENVIRONMENTS LTD..
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS:

BT	BULL TROUT	FL	FLOW	FS	FISH SAMPLING
LU	LAND USE	MI	MINING	MO	MORPHOLOGY
MW	ROCKY MOUNTAIN WHITEFISH	OB	OBSTRUCTIONS	PY	PHYSICAL HABITAT
SE	SUBSTRATE	WCT	WESTSLOPE CUTT TROUT	WQ	WATER QUALITY
WU	WATER USE				

REFERENCE NO: 30- 16

AUTHOR: OLIVER, G.G.
DESCRIPTION: 1978 FISHERIES INVESTIGATIONS IN TRIBUTARIES OF THE CANADIAN PORTION OF THE LIBBY RESERVOIR. OCTOBER 1979. BC FISH & WILDLIFE BRANCH REPORT. 82 PP.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

BT	BULL TROUT	EN	ENHANCEMENT	FL	FLOW
FS	FISH SAMPLING	HS	HABITAT SAMPLING	M	MIGRATION
MO	MORPHOLOGY	MW	ROCKY MOUNTAIN WHITEFISH	OB	OBSTRUCTIONS
PS	POPULATION SAMPLING	PY	PHYSICAL HABITAT	R	REARING
S	SPAWNING	TE	TEMPERATURE	WCT	WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 19

AUTHOR: OLIVER, G.G.
DESCRIPTION: MAINSTEM UTILIZATION OF THE UPPER KOOTENAY RIVER BY RAINBOW TROUT. MARCH 1981. BC FISH & WILDLIFE BRANCH REPORT. 26 PP.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

EN	ENHANCEMENT	FL	FLOW	FS	FISH SAMPLING
M	MIGRATION	MO	MORPHOLOGY	PS	POPULATION SAMPLING
PY	PHYSICAL HABITAT	RB	RAINBOW TROUT	S	SPAWNING

REFERENCE NO: 30- 14

AUTHOR: OLIVER, GERRY
DESCRIPTION: FISHERIES BIOLOGIST, B.C. FISH & WILDLIFE BRANCH - CRANBROOK. PERSONAL COMMUNICATIONS.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

AF	ALL SPECIES	EN	ENHANCEMENT	LU	LAND USE
MO	MORPHOLOGY	OB	OBSTRUCTIONS	PY	PHYSICAL HABITAT
R	REARING	S	SPAWNING	WU	WATER USE

REFERENCE NO: 30- 32

AUTHOR: PARTRIDGE, F.
DESCRIPTION: STUDY VI: KOOTENAI RIVER FISHERIES INVESTIGATIONS. MAY, 1983. IDAHO DEPT. OF FISH & GAME, JOB COMPLETION REPORT, PROJECT F-73-R-5. 85 PP.
LOCATION: NA NOT APPLICABLE
KEYWORDS:

BB	BURBOT	BT	BULL TROUT	EB	BROOK TROUT
FS	FISH SAMPLING	KO	KOKANEE	LMB	LARGE MOUTH BASS
MW	ROCKY MOUNTAIN WHITEFISH	PS	POPULATION SAMPLING	RB	RAINBOW TROUT
SG	STURGEONS (GENERAL)	WCT	WESTSLOPE CUTT TROUT	YP	YELLOW PERCH

REFERENCE NO: 6N- 6

AUTHOR: RESOURCE ANALYSIS BRANCH
DESCRIPTION: AQUATIC BIOPHYSICAL MAPS. 1:50,000 SCALE. M.O.E. RESOURCE ANALYSIS BRANCH. THEMATIC MAPS DISPLAYING FISH HABITAT AND DISTRIBUTION INFORMATION, BASED ON FIELD AND DATA SURVEYS, AND DISPLAYED ON A REACH BASIS.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS:

AF	ALL SPECIES	FS	FISH SAMPLING	HS	HABITAT SAMPLING
PY	PHYSICAL HABITAT				

REFERENCE NO: 30- 17

AUTHOR: RINGSTAD, N.R.; OLIVER, G.G.
DESCRIPTION: PRELIMINARY STREAM BIOPHYSICAL ASSESSMENT AND INVENTORY OF SPORTFISH UTILIZATION OF GOLD CREEK, TRIBUTARY TO LAKE KOOCANUSA. JUNE 1979. BC FISH & WILDLIFE BRANCH REPORT. 72 PP. + APPS.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

BT	BULL TROUT	EN	ENHANCEMENT	FL	FLOW
FS	FISH SAMPLING	HS	HABITAT SAMPLING	M	MIGRATION
MO	MORPHOLOGY	MW	ROCKY MOUNTAIN WHITEFISH	OB	OBSTRUCTIONS
PS	POPULATION SAMPLING	PY	PHYSICAL HABITAT	R	REARING
S	SPAWNING	TE	TEMPERATURE	WCT	WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 20
AUTHOR: RINGSTAD, N.R.; PHILLIPS, B.A.
DESCRIPTION: PRELIMINARY STREAM ASSESSMENT AND INVENTORY OF RESERVOIR SPORTFISH UTILIZATION OF KIKOMUN AND CAVEN CREEKS TRIBUTARY TO LIBBY RESERVOIR. AUGUST 1978. BC FISH & WILDLIFE BRANCH REPORT. 56 PP.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: EN ENHANCEMENT; FL FLOW; FS FISH SAMPLING; GA GRADIENT; HS HABITAT SAMPLING; M MIGRATION; MO MORPHOLOGY; PS POPULATION SAMPLING; PY PHYSICAL HABITAT; R REARING; S SPAWNING; TE TEMPERATURE; WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 6M- 28
AUTHOR: S.H.I.P. ENVIRONMENTAL CONSULTANTS LTD.
DESCRIPTION: HARDING, E.A.; DE MARCO R.. AIR PHOTO ANALYSIS, TOPOGRAPHIC MAP DIGITIZING, AND GENERAL COMMENTS.
LOCATION: NA NOT APPLICABLE
KEYWORDS: MO MORPHOLOGY; OB OBSTRUCTIONS; PY PHYSICAL HABITAT

REFERENCE NO: 30- 12
AUTHOR: SINCLAIR, D.C.
DESCRIPTION: THE EFFECTS ON FISH IN THE ST MARY'S RIVER OF WASTES FROM CONSOLIDATED MINING AND SMELTING CO. OPERATIONS IN THE KIMBERLY AREA. MAY 1966. TYPEWRITTEN REPORT. 11 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: LU LAND USE; MI MINING; WQ WATER QUALITY; WU WATER USE

REFERENCE NO: 30- 7
AUTHOR: STANLEY-JONES, C.V.
DESCRIPTION: MANAGEMENT PROBLEMS IN THE ELK RIVER VALLEY. MARCH 1972. REVIEW PAPER PREPARED FOR BC FISH & WILDLIFE BRANCH. 23 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 20- 15
AUTHOR: UNKNOWN. 1981,1982,1983.
DESCRIPTION: ANNUAL REPORT OF SALMON STREAM AND SPAWNING GROUNDS; KIRBY CREEK. 1981, 1982, 1983
LOCATION: S DFO - SUBDISTRICT (INCLUDED IN REF. NO)
KEYWORDS: AO ALL SALMON; PY PHYSICAL HABITAT; S SPAWNING

REFERENCE NO: 26- 6
AUTHOR: VARIOUS
DESCRIPTION: B.C.M.O.E., HABITAT MANAGEMENT SECTION, RECREATIONAL FISHERIES BRANCH. STREAM SURVEY FILES. VICTORIA B.C.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: AF ALL SPECIES; FS FISH SAMPLING; GA GRADIENT; HS HABITAT SAMPLING; M MIGRATION; MO MORPHOLOGY; OB OBSTRUCTIONS; R REARING; S SPAWNING; SE SUBSTRATE; TE TEMPERATURE

REFERENCE NO: 30- 6
AUTHOR: VARIOUS AUTHORS
DESCRIPTION: LAKE SURVEY FILES. BC ENVIRONMENT, FISHERIES BRANCH, CONSERVATION SECTION, VICTORIA, B.C..
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: AF ALL SPECIES; EN ENHANCEMENT; FS FISH SAMPLING; HS HABITAT SAMPLING; MO MORPHOLOGY; PY PHYSICAL HABITAT; WQ WATER QUALITY

REFERENCE NO: 8- 80
AUTHOR: WATER SURVEY OF CANADA
DESCRIPTION: SURFACE WATER DATA, REFERENCE INDEX, CANADA (ALL YEARS). WATER SURVEY OF CANADA, INLAND WATERS DIRECTORATE, WATER RESOURCES BRANCH PUBLICATIONS.
LOCATION: CC WATER SURVEY CANADA - VANCOUVER
KEYWORDS: FL FLOW

REFERENCE NO: 30- 15

AUTHOR: WESTOVER, BILL
DESCRIPTION: FISHERIES BIOLOGIST, B.C. FISH & WILDLIFE BRANCH - CRANBROOK. PERSONAL COMMUNICATIONS.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

AF	ALL SPECIES	EN	ENHANCEMENT	LU	LAND USE
MO	MORPHOLOGY	OB	OBSTRUCTIONS	PY	PHYSICAL HABITAT
R	REARING	S	SPAWNING	WU	WATER USE

ALPHABETIC BIBLIOGRAPHY

REFERENCE LIST
1993/09/13

REFERENCE NO: 8- 80
AUTHOR: WATER SURVEY OF CANADA
DESCRIPTION: SURFACE WATER DATA, REFERENCE INDEX, CANADA (ALL YEARS). WATER SURVEY OF CANADA, INLAND WATERS DIRECTORATE, WATER RESOURCES BRANCH PUBLICATIONS.
LOCATION: CC WATER SURVEY CANADA - VANCOUVER
KEYWORDS: FL FLOW

REFERENCE NO: 20- 15
AUTHOR: UNKNOWN. 1981,1982,1983.
DESCRIPTION: ANNUAL REPORT OF SALMON STREAM AND SPAWNING GROUNDS; KIRBY CREEK. 1981, 1982, 1983
LOCATION: S DFO - SUBDISTRICT (INCLUDED IN REF. NO)
KEYWORDS: AO ALL SALMON; PY PHYSICAL HABITAT; S SPAWNING

REFERENCE NO: 26- 6
AUTHOR: VARIOUS
DESCRIPTION: B.C.M.O.E., HABITAT MANAGEMENT SECTION, RECREATIONAL FISHERIES BRANCH. STREAM SURVEY FILES. VICTORIA B.C.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: AF ALL SPECIES; FS FISH SAMPLING; GA GRADIENT; HS HABITAT SAMPLING; M MIGRATION; MO MORPHOLOGY; OB OBSTRUCTIONS; R REARING; S SPAWNING; SE SUBSTRATE; TE TEMPERATURE

REFERENCE NO: 30- 1
AUTHOR: HARDING, E.A.; ERICKSON, L.J.
DESCRIPTION: INVENTORY OF THE GOAT RIVER, CRESTON B.C.. NOVEMBER 1974. BC FISH & WILDLIFE BRANCH REPORT. 29 PP + APPS.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: EB BROOK TROUT; FL FLOW; FS FISH SAMPLING; GA GRADIENT; HS HABITAT SAMPLING; MO MORPHOLOGY; OB OBSTRUCTIONS; PY PHYSICAL HABITAT; SE SUBSTRATE; WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 3
AUTHOR: NO AUTHOR
DESCRIPTION: STAGE 2 INVESTIGATION ASSESSMENT REPORT OF 1976 WASA LAKE MONITORING FOR WASA LAKE LAND IMPROVEMENT DISTRICT, WASA LAKE, B.C.. FEBRUARY 1977. EPEC CONSULTING WESTERN LTD. REPORT FOR WASA LAKE LAND IMPROVEMENT DISTRICT.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: FL FLOW; LU LAND USE; WU WATER USE

REFERENCE NO: 30- 4
AUTHOR: NO AUTHOR
DESCRIPTION: SOME OBSERVATIONS OF THE WATER QUALITY OF TIE LAKE, B.C.. JUNE 1976. B.C. GOVERNMENT, DEPT. OF THE ENVIRONMENT, WATER RESOURCES SERVICE. 46 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: WQ WATER QUALITY

REFERENCE NO: 30- 5
AUTHOR: LINDSAY, R.A.
DESCRIPTION: PRELIMINARY INVENTORY OF SPORTFISH ESCAPEMENT FROM THE LIBBY RESERVOIR TO LINKLATER AND PLUMBOB CREEKS. APRIL 1976. BC FISH & WILDLIFE BRANCH, NELSON, B.C.. 120 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: BT BULL TROUT; EB BROOK TROUT; EN ENHANCEMENT; FL FLOW; FS FISH SAMPLING; HS HABITAT SAMPLING; M MIGRATION; MO MORPHOLOGY; MW ROCKY MOUNTAIN WHITEFISH; PS POPULATION SAMPLING; PY PHYSICAL HABITAT; RB RAINBOW TROUT; WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 6
AUTHOR: VARIOUS AUTHORS
DESCRIPTION: LAKE SURVEY FILES. BC ENVIRONMENT, FISHERIES BRANCH, CONSERVATION SECTION, VICTORIA, B.C..
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: AF ALL SPECIES; EN ENHANCEMENT; FS FISH SAMPLING; HS HABITAT SAMPLING; MO MORPHOLOGY; PY PHYSICAL HABITAT; WQ WATER QUALITY

REFERENCE NO: 30- 7
AUTHOR: STANLEY-JONES, C.V.
DESCRIPTION: MANAGEMENT PROBLEMS IN THE ELK RIVER VALLEY. MARCH 1972. REVIEW PAPER PREPARED FOR BC FISH & WILDLIFE BRANCH. 23 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 8
AUTHOR: HARDING, E.A.; ERICKSON, L.J.
DESCRIPTION: A PRELOGGING SURVEY OF SKELLY CREEK TRIBUTARY TO THE GOAT RIVER. NOVEMBER 1973. BC FISH & WILDLIFE BRANCH, VICTORIA. STREAM INVENTORY REPORT, 13 PP. + MAPS
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: FS FISH SAMPLING HS HABITAT SAMPLING MO MORPHOLOGY
PY PHYSICAL HABITAT WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 9
AUTHOR: BULL, C.J.; WILLIAMS, J.D.; WHATELY, M.R.
DESCRIPTION: DENSITY CHANGES IN PERIPHYTON COMMUNITIES OF KOOTENAY AND ST.MARY RIVERS. NO DATE. TYPED REPORT.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: IP INDUSTRIAL PROCESSING LU LAND USE WQ WATER QUALITY
WU WATER USE

REFERENCE NO: 30- 10
AUTHOR: HARDING, E.A.; ERICKSON, L.J.
DESCRIPTION: AN INVENTORY OF UPPER KOOTENAY RIVER TRIBUTARIES NAMELY THOMAS, PAUL, AND SYMOND CREEKS. 1975. BC FISH & WILDLIFE BRANCH STREAM INVENTORY REPORT. 7 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: BT BULL TROUT FL FLOW FS FISH SAMPLING
GA GRADIENT MO MORPHOLOGY MW ROCKY MOUNTAIN WHITEFISH
OB OBSTRUCTIONS PY PHYSICAL HABITAT SE SUBSTRATE
TE TEMPERATURE WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 11
AUTHOR: AXFORD, R.; ANDRUSAK, H.
DESCRIPTION: ST MARY RIVER PROJECT. 1973. BC FISH & WILDLIFE BRANCH STREAM SURVEY.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: BT BULL TROUT CC SCULPINS (GENERAL) EN ENHANCEMENT
FS FISH SAMPLING GA GRADIENT HS HABITAT SAMPLING
MO MORPHOLOGY OB OBSTRUCTIONS PY PHYSICAL HABITAT
R REARING S SPAWNING SE SUBSTRATE
WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 12
AUTHOR: SINCLAIR, D.C.
DESCRIPTION: THE EFFECTS ON FISH IN THE ST MARY'S RIVER OF WASTES FROM CONSOLIDATED MINING AND SMELTING CO. OPERATIONS IN THE KIMBERLY AREA. MAY 1966. TYPEWRITTEN REPORT. 11 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: LU LAND USE MI MINING WQ WATER QUALITY
WU WATER USE

REFERENCE NO: 30- 13
AUTHOR: CAW, G.B.
DESCRIPTION: AN INVENTORY OF THE FLATHEAD RIVER AND TRIBUTARIES. JANUARY 1976. BC FISH & WILDLIFE BRANCH STREAM INVENTORY REPORT. 207 PP.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: BT BULL TROUT FL FLOW FS FISH SAMPLING
GA GRADIENT HS HABITAT SAMPLING MO MORPHOLOGY
MW ROCKY MOUNTAIN WHITEFISH OB OBSTRUCTIONS PY PHYSICAL HABITAT
TE TEMPERATURE WCT WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 14
AUTHOR: OLIVER, GERRY
DESCRIPTION: FISHERIES BIOLOGIST, B.C. FISH & WILDLIFE BRANCH - CRANBROOK. PERSONAL COMMUNICATIONS.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: AF ALL SPECIES EN ENHANCEMENT LU LAND USE
MO MORPHOLOGY OB OBSTRUCTIONS PY PHYSICAL HABITAT
R REARING S SPAWNING WU WATER USE

REFERENCE NO: 30- 15
AUTHOR: WESTOVER, BILL
DESCRIPTION: FISHERIES BIOLOGIST, B.C. FISH & WILDLIFE BRANCH - CRANBROOK. PERSONAL COMMUNICATIONS.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

AF	ALL SPECIES	EN	ENHANCEMENT	LU	LAND USE
MO	MORPHOLOGY	OB	OBSTRUCTIONS	PY	PHYSICAL HABITAT
R	REARING	S	SPAWNING	WU	WATER USE

REFERENCE NO: 30- 16
AUTHOR: OLIVER, G.G.
DESCRIPTION: 1978 FISHERIES INVESTIGATIONS IN TRIBUTARIES OF THE CANADIAN PORTION OF THE LIBBY RESERVOIR. OCTOBER 1979. BC FISH & WILDLIFE BRANCH REPORT. 82 PP.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

BT	BULL TROUT	EN	ENHANCEMENT	FL	FLOW
FS	FISH SAMPLING	HS	HABITAT SAMPLING	M	MIGRATION
MO	MORPHOLOGY	MW	ROCKY MOUNTAIN WHITEFISH	OB	OBSTRUCTIONS
PS	POPULATION SAMPLING	PY	PHYSICAL HABITAT	R	REARING
S	SPAWNING	TE	TEMPERATURE	WCT	WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 17
AUTHOR: RINGSTAD, N.R.; OLIVER, G.G.
DESCRIPTION: PRELIMINARY STREAM BIOPHYSICAL ASSESSMENT AND INVENTORY OF SPORTFISH UTILIZATION OF GOLD CREEK, TRIBUTARY TO LAKE KOOCANUSA. JUNE 1979. BC FISH & WILDLIFE BRANCH REPORT. 72 PP. + APPS.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

BT	BULL TROUT	EN	ENHANCEMENT	FL	FLOW
FS	FISH SAMPLING	HS	HABITAT SAMPLING	M	MIGRATION
MO	MORPHOLOGY	MW	ROCKY MOUNTAIN WHITEFISH	OB	OBSTRUCTIONS
PS	POPULATION SAMPLING	PY	PHYSICAL HABITAT	R	REARING
S	SPAWNING	TE	TEMPERATURE	WCT	WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 18
AUTHOR: MARTIN, A.
DESCRIPTION: PARTIAL INVENTORY OF STREAMS TRIBUTARY TO THE LIBBY RESERVOIR.1974. TYPED REPORT LISTING STREAM SURVEY DATA AND PHOTOGRAPHS OF SEVERAL STREAMS. 17 PP.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

BT	BULL TROUT	EB	BROOK TROUT	FL	FLOW
FS	FISH SAMPLING	GA	GRADIENT	HS	HABITAT SAMPLING
MO	MORPHOLOGY	MW	ROCKY MOUNTAIN WHITEFISH	OB	OBSTRUCTIONS
PY	PHYSICAL HABITAT	RB	RAINBOW TROUT	WCT	WESTSLOPE CUTT TROUT

REFERENCE NO: 30- 19
AUTHOR: OLIVER, G.G.
DESCRIPTION: MAINSTEM UTILIZATION OF THE UPPER KOOTENAY RIVER BY RAINBOW TROUT. MARCH 1981. BC FISH & WILDLIFE BRANCH REPORT. 26 PP.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

EN	ENHANCEMENT	FL	FLOW	FS	FISH SAMPLING
M	MIGRATION	MO	MORPHOLOGY	PS	POPULATION SAMPLING
PY	PHYSICAL HABITAT	RB	RAINBOW TROUT	S	SPAWNING

REFERENCE NO: 30- 20
AUTHOR: RINGSTAD, N.R.; PHILLIPS, B.A.
DESCRIPTION: PRELIMINARY STREAM ASSESSMENT AND INVENTORY OF RESERVOIR SPORTFISH UTILIZATION OF KIKOMUN AND CAVEN CREEKS TRIBUTARY TO LIBBY RESERVOIR. AUGUST 1978. BC FISH & WILDLIFE BRANCH REPORT. 56 PP.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS:

EN	ENHANCEMENT	FL	FLOW	FS	FISH SAMPLING
GA	GRADIENT	HS	HABITAT SAMPLING	M	MIGRATION
MO	MORPHOLOGY	PS	POPULATION SAMPLING	PY	PHYSICAL HABITAT
R	REARING	S	SPAWNING	TE	TEMPERATURE
WCT	WESTSLOPE CUTT TROUT				

REFERENCE NO: 30- 21
AUTHOR: HUTCHINSON, JOYCE
DESCRIPTION: FISHERIES TECHNICIAN, BC FISH & WILDLIFE BRANCH, INVERMERE. PERSONAL COMMUNICATION.
LOCATION: DO MOE - DISTRICT OFFICE
KEYWORDS:

AF	ALL SPECIES	EN	ENHANCEMENT	GA	GRADIENT
M	MIGRATION	MO	MORPHOLOGY	OB	OBSTRUCTIONS
PY	PHYSICAL HABITAT	S	SPAWNING		

REFERENCE NO: 30- 22
AUTHOR: DE BOON, ARNOLD
DESCRIPTION: DISTRICT CONSERVATION OFFICER, BC FISH & WILDLIFE BRANCH, CRESTON. PERSONAL COMMUNICATIONS.
LOCATION: DO MOE - DISTRICT OFFICE
KEYWORDS: AF ALL SPECIES; EN ENHANCEMENT; GA GRADIENT; M MIGRATION; MO MORPHOLOGY; OB OBSTRUCTIONS; PY PHYSICAL HABITAT; S SPAWNING

REFERENCE NO: 30- 23
AUTHOR: MARTIN, D.J.
DESCRIPTION: HABITAT BIOLOGIST, BC FISH & WILDLIFE BRANCH, CRANBROOK. PERSONAL COMMUNICATIONS.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: AF ALL SPECIES; FO FORESTRY; LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 24
AUTHOR: NO AUTHOR
DESCRIPTION: FRESHWATER ANGLING GUIDE. 1989. MOE PUBLICATION.
LOCATION: V MOE - REGION 4 - NELSON
KEYWORDS: AF ALL SPECIES

REFERENCE NO: 30- 25
AUTHOR: NO AUTHOR
DESCRIPTION: HENRETTA DRAGLINE STAGE I REPORT. DECEMBER 1990. NORECOL ENVIRONMENTAL CONSULTANTS LTD. REPORT FOR FORDING COAL LTD.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 26
AUTHOR: NO AUTHOR
DESCRIPTION: SOUTH SPOIL APPROVAL IN PRINCIPLE SUBMISSION. MARCH 1989. FORDING COAL LTD. REPORT.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 27
AUTHOR: NO AUTHOR
DESCRIPTION: KILMARNOCK CREEK DRAGLINE MINING PROPOSAL ENVIRONMENTAL IMPACT ASSESSMENT. DECEMBER 1985. FORDING COAL LTD. REPORT.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE; MI MINING; WCT WESTSLOPE CUTT TROUT; WU WATER USE

REFERENCE NO: 30- 28
AUTHOR: NO AUTHOR
DESCRIPTION: EAGLE MOUNTAIN PROJECT PHASE II. MARCH 1983. NORECOL ENVIRONMENTAL CONSULTANTS LTD. REPORT FOR FORDING COAL LTD.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 29
AUTHOR: NO AUTHOR
DESCRIPTION: FORDING RIVER AQUATIC ENVIRONMENT STUDY. 1980. D.B. LISTER & ASSOCIATES LTD. REPORT FOR FORDING COAL LTD.
LOCATION: U MOE - REGION 4 - CRANBROOK
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 30
AUTHOR: BILLINGS, SUE
DESCRIPTION: FISHERIES TECHNICIAN, FISH CULTURE SECTION, M.O.E. FISHERIES BRANCH, VICTORIA. PERSONAL COMMUNICATIONS.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: AF ALL SPECIES; EN ENHANCEMENT

REFERENCE NO: 30- 31
AUTHOR: APPERSON, K.A.; ANDERSON, P.J.
DESCRIPTION: KOOTENAI RIVER WHITE STURGEON INVESTIGATIONS AND EXPERIMENTAL CULTURE. JUNE 1990. IDAHO DEPT. OF FISH & GAME, FISHERIES RESEARCH SECTION, ANNUAL PROGRESS REPORT FY1989. 50 PP.
LOCATION: NA NOT APPLICABLE
KEYWORDS: EN ENHANCEMENT; FS FISH SAMPLING; PS POPULATION SAMPLING; SG STURGEONS (GENERAL)

REFERENCE NO: 30- 32
AUTHOR: PARTRIDGE, F.
DESCRIPTION: STUDY VI: KOOTENAI RIVER FISHERIES INVESTIGATIONS. MAY, 1983. IDAHO DEPT. OF FISH & GAME, JOB COMPLETION REPORT, PROJECT F-73-R-5. 85 PP.
LOCATION: NA NOT APPLICABLE
KEYWORDS: BB BURBOT; BT BULL TROUT; EB BROOK TROUT; FS FISH SAMPLING; KO KOKANEE; LMB LARGE MOUTH BASS; MW ROCKY MOUNTAIN WHITEFISH; PS POPULATION SAMPLING; RB RAINBOW TROUT; SG STURGEONS (GENERAL); WCT WESTSLOPE CUTT TROUT; YP YELLOW PERCH

REFERENCE NO: 30- 33
AUTHOR:
DESCRIPTION: GREENHILLS COAL PROJECT STAGE I ENVIRONMENTAL ASSESSMENT. MARCH 1980. KAISER RESOURCES LTD. REPORT PREPARED BY B.C. RESEARCH, VANCOUVER B.C..
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 35
AUTHOR: NO AUTHOR
DESCRIPTION: EAGLE MOUNTAIN PROJECT PHASE I REPORT (REVISED). MAY 1982. NORECOL ENVIRONMENTAL CONSULTANTS LTD. REPORT PREPARED FOR FORDING COAL LTD.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE; MI MINING; WCT WESTSLOPE CUTT TROUT; WU WATER USE

REFERENCE NO: 30- 36
AUTHOR: NO AUTHOR
DESCRIPTION: PRELIMINARY ENVIRONMENTAL OVERVIEW BROWNIE CREEK COAL LICENCES, FORDING COAL LTD.. JULY 1979. FORDING COAL LTD. REPORT PREPARED BY B.C. RESEARCH.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE; MI MINING; WCT WESTSLOPE CUTT TROUT; WU WATER USE

REFERENCE NO: 30- 37
AUTHOR: NO AUTHOR
DESCRIPTION: FISHERY RESOURCES OF THE PROPOSED ELK RIVER DIVERSION AND GRAVE PRAIRIE DISPOSAL SITE ALTERNATIVES. JULY 1982. B.C. COAL LTD. REPORT PREPARED BY B.C. RESEARCH.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: BT BULL TROUT; EB BROOK TROUT; LU LAND USE; MI MINING; MW ROCKY MOUNTAIN WHITEFISH; WCT WESTSLOPE CUTT TROUT; WU WATER USE

REFERENCE NO: 30- 38
AUTHOR: NO AUTHOR
DESCRIPTION: ELK RIVER COAL PROJECT STAGE I REPORT TEXT (ALSO, APPENDICES VOLUME). JANUARY 1977. ELCO MINING LTD. REPORT.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 39
AUTHOR: NO AUTHOR
DESCRIPTION: BYRON CREEK COLLIERIES LIMITED EXPANSION DETAILED PROJECT ASSESSMENT VOLUME I BIOPHYSICAL ENVIRONMENT IMPACT ASSESSMENT. FEBRUARY 1983. BYRON CREEK COLLIERIES LTD. REPORT.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 40
AUTHOR: NO AUTHOR
DESCRIPTION: ENVIRONMENTAL ASSESSMENT, EXPECTED IMPACTS AND PROPOSED MITIGATION FOR THE A-SEAM MINE. 1984. REPORT PREPARED BY WESTAR MINING ENVIRONMENTAL SERVICES.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE; MI MINING; WU WATER USE

REFERENCE NO: 30- 41
AUTHOR: NO AUTHOR
DESCRIPTION: PRELIMINARY ENVIRONMENTAL STUDY OF THE PROPOSED LINE CREEK COAL PROJECT VOLUME I (AND VOLUME II). JULY 1976. CROWSNEST INDUSTRIES LTD. REPORT PREPARED BY B.C. RESEARCH.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 42
AUTHOR: NO AUTHOR
DESCRIPTION: GREENHILLS MINE STAGE I ENVIRONMENTAL ASSESSMENT FALCON PIT EXPANSION TO EXISTING MINE OPERATIONS. JANUARY 1987. WESTAR MINING LTD. REPORT.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 43
AUTHOR: NO AUTHOR
DESCRIPTION: PRELIMINARY ENVIRONMENTAL ASSESSMENT OF THE 230 KV TRANSMISSION LINE ROUTE TO THE SAGE CREEK COAL MINE SITE. JANUARY 1982. SAGE CREEK COAL LTD. REPORT PREPARED BY NORECOL ENVIRONMENTAL CONSULTANTS LTD.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LD LINEAR DEVELOPMENT LU LAND USE MI MINING
WU WATER USE

REFERENCE NO: 30- 44
AUTHOR: NO AUTHOR
DESCRIPTION: SAGE CREEK COAL STAGE II ENVIRONMENTAL ASSESSMENT. JANUARY 1982. SAGE CREEK COAL LTD. REPORT PREPARED BY B.C. RESEARCH AND NORECOL ENVIRONMENTAL CONSULTANTS LTD..
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: LU LAND USE MI MINING WU WATER USE

REFERENCE NO: 30- 45
AUTHOR: NO AUTHOR
DESCRIPTION: SAGE CREEK COAL STUDY DRAFT REPORT ON FISHERIES OF THE MINE SITE VICINITY. DECEMBER 1976. AQUATICO ENVIRONMENTAL CONSULTANTS LTD. REPORT.
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: BT BULL TROUT LU LAND USE MI MINING
MW ROCKY MOUNTAIN WHITEFISH WCT WESTSLOPE CUTT TROUT WU WATER USE

REFERENCE NO: 30- 46
AUTHOR: NO AUTHOR
DESCRIPTION: FISHERIES INVESTIGATIONS IN THE FLATHEAD RIVER DRAINAGE, BRITISH COLUMBIA. DECEMBER 1976. PRELIMINARY DATA REPORT FOR SAGE CREEK COAL LTD. & RIO ALGOM LTD., BY G.J. MANN, AQUATIC ENVIRONMENTS LTD..
LOCATION: EM MINISTRY OF ENERGY, MINES & PETROLEUM RESOURCES
KEYWORDS: BT BULL TROUT FL FLOW FS FISH SAMPLING
LU LAND USE MI MINING MO MORPHOLOGY
MW ROCKY MOUNTAIN WHITEFISH OB OBSTRUCTIONS PY PHYSICAL HABITAT
SE SUBSTRATE WCT WESTSLOPE CUTT TROUT WQ WATER QUALITY
WU WATER USE

REFERENCE NO: 6N- 6
AUTHOR: RESOURCE ANALYSIS BRANCH
DESCRIPTION: AQUATIC BIOPHYSICAL MAPS. 1:50,000 SCALE. M.O.E. RESOURCE ANALYSIS BRANCH. THEMATIC MAPS DISPLAYING FISH HABITAT AND DISTRIBUTION INFORMATION, BASED ON FIELD AND DATA SURVEYS, AND DISPLAYED ON A REACH BASIS.
LOCATION: M MOE - FISHERIES BRANCH - VICTORIA
KEYWORDS: AF ALL SPECIES FS FISH SAMPLING HS HABITAT SAMPLING
PY PHYSICAL HABITAT

REFERENCE NO: 6N- 28
AUTHOR: S.H.I.P. ENVIRONMENTAL CONSULTANTS LTD.
DESCRIPTION: HARDING, E.A.; DE MARCO R.. AIR PHOTO ANALYSIS, TOPOGRAPHIC MAP DIGITIZING, AND GENERAL COMMENTS.
LOCATION: NA NOT APPLICABLE
KEYWORDS: MO MORPHOLOGY OB OBSTRUCTIONS PY PHYSICAL HABITAT

REFERENCE NO: 29D- 44

AUTHOR: NATIONAL TOPOGRAPHIC SYSTEM MAPS
DESCRIPTION: SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. 1:50,000 SCALE. VARIOUS EDITIONS.
LOCATION: D DFO - FRASER R., NORTHERN B.C. & YUKON DIVISION - NEW WEST
KEYWORDS: LD LINEAR DEVELOPMENT PY PHYSICAL HABITAT RE RESERVES
UD URBAN DEVELOPMENT

5.0 MAPS

This section contains the following Stream Summary Maps:

82F/01	YAHK
82F/02	CRESTON
82F/07	BOSWELL
82F/08	GRASSY MOUNTAIN
82F/09	ST. MARY LAKE
82F/10	CRAWFORD BAY
82F/15	KASLO
82F/16	DEWAR CREEK
82G/03	LAKE KOOCANUSA
82G/04	YAHK RIVER
82G/05	MOYIE LAKE
82G/06	ELKO
82G/12	CRANBROOK
82G/13	SKOOKUMCHUK
82J/04	CANAL FLATS
82K/01	FINDLAY CREEK

Military users, refer to this map as: SERIES A 721 SERIE
MAP 82 F/1 CARTE
Référence de cette carte pour usage militaire: EDITION 3 MCE EDITION

GLOSSARY GLOSSAIRE

Airport	Terrain d'aviation
Area	Aire
Clay Levels	Limites de terre
Contours	Courbes
Ditch	Fossé
Dugout	Retenue
Dump	Dépotoir
Filtration Plant	Usine de filtration
Gas	Gaz
Golf Course	Terrain de golf
Junk Yard	Ferraille
Kiln	Four
Lookout	Belvédère
Mine Waste	Débris de mine
Oil Wells	Puits de pétrole
Park	Parc
Rink	Patinoire
Sewage Disposal Works	Usine de traitement des eaux usées
Ski Area	Station de ski
Stripping	Fondrière par extraction
Surveyed Line	Ligne arpentée
Tank	Réservoir
Water	Eau
Winter Road	Chemin d'hiver

For a complete glossary see reverse side
Pour un glossaire complet voir au verso

STREAM INFORMATION SUMMARY SYSTEM (SISS)

(EAST KOOTENAYS)

91-2900 / CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH (S) - species stocked
species present
CO ST — lower limit of distribution
CO ST — upper limit of distribution
PK * — specific site of spawning
SK * / CO / CO — major spawning zone
CM * — upper limit of spawning

FLOW

OBSTRUCTIONS (measurements included where known)

log jam (persistent)
3F — D = dam, F = falls, R = rock falls, CV = culvert, BD = beaver dam
2C100 — cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT / MANAGEMENT ACTIVITIES

(HY) — HY = hatchery, FW = fishway, SC = side channel, CH = spawning channel, BX = incubation box, HC = hatchery/spawning channel, CF = counting fence

WSC08FB003 — Water Survey of Canada Gauging Station
300 / CO — tributary watershed code

SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, Ottawa, from aerial photographs taken in 1978, compiled by the SURVEYS AND MAPPING BRANCH, MINISTRY OF ENVIRONMENT, BRITISH COLUMBIA. Culture checked / Vérifié en 1981.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1982 Her Majesty the Queen in Right of Canada
Department of Energy, Mines and Resources.

Roads / Routes

hard surface all-weather	pavée, toute saison
hard surface all-weather, unnumbered	pavée, toute saison, non numérotée
loose or stabilized surface, all-weather	gravier aggloméré, toute saison
loose surface, dry weather	gravier, temps sec
unclassified streets	rues non classées
dirt track	de terre
trail, cut line or portage	sentier, percée ou portage

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES VOIR AU VERSO

Boundaries / Limites

provincial	provinciale
international	internationale
national park	parc national
provincial park	parc provincial
Indian reserve	réserve indienne
township	canton
range	rang
section	section

Railways / Chemins de fer

standard gauge, single track	voie normale, simple
standard gauge, multiple track	voie normale, multiple
narrow gauge, single track	voie étroite, simple
narrow gauge, multiple track	voie étroite, multiple
railway under construction	chemin de fer en construction
railway abandoned	chemin de fer abandonné

Transmission lines / Lignes de transport d'énergie

2 structures indicated	2 structures indiquées
more than 2 poles	plus de 2 poles
less than 2 poles	moins de 2 poles
2 structures indicated	2 structures indiquées
more than 2 towers	plus de 2 tours
less than 2 towers	moins de 2 tours

YAHK

CANADA-UNITED STATES OF AMERICA

Scale 1:50 000 Échelle

Miles 1000 0 1000 2000 3000 4000 Metres
Yards 1000 0 1000 2000 3000 4000 Yards

Information concerning location and precise elevation of bench marks can be obtained by writing to the Geodetic Survey, Surveys and Mapping Branch, Ottawa

On peut obtenir des renseignements sur le lieu et l'altitude exacte des repères de nivellement en écrivant aux Levés géodésiques, Direction des levés et de la cartographie, Ottawa

CONVERSION SCALE FOR ELEVATIONS
Metres 20 10 0 50 100 150 200
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Feet

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉCHELLE DE CONVERSION DES ALTITUDES
Mètres 20 0 50 100 150 200 Mètres
Pieds 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain 1927
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1978, préparées par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ENVIRONNEMENT, COLOMBIE-BRITANNIQUE. Vérification des ouvrages en 1979. Faites en 1981.

Ces cartes sont en vente au Bureau des Cartes, Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

© 1982 Sa Majesté la Reine du Chef du Canada
Ministère de l'Énergie, des Mines et des Ressources

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE

82 F/1 82 F/8 82 G/5
82 F/2 82 F/7 82 G/4
USA USA USA
48°45 48°45
117°00 117°00

INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

Military users, refer to this map as: SERIES A 721 SÉRIE
Référence de cette carte pour usage militaire: MAP 82 F/2 CARTE
EDITION 4 MCE 4e ÉDITION

GLOSSARY GLOSSAIRE

Airfield	Terrain d'aviation
Arena	Aréna
City Limits	Limites de ville
Cemetery	Cimetière
Ditch	Fossé
Dugout	Abreuvoir
Dump	Décharge
Filtration Plant	Usine de filtration
Gas	Gaz
Golf Course	Terrain de golf
Lumber Yard	Parc à bois
Mine	Mine
Lookout	Belvédère
Mine Waste	Déblais de mine
Oil Wells	Puits de pétrole
Park	Parc
Ruins	Ruines
Senior Citizens Home	Foyer de l'âge d'or
Ski Area	Station de ski
Sling Dog	Fondrière à traîneaux
Surveyed Line	Ligne arpentée
Tank	Réservoir
Water	Eau
Winter Road	Chemin d'hiver

For a complete glossary see reverse side
Pour un glossaire complet, voir au verso

STREAM INFORMATION SUMMARY SYSTEM (SISS) (EAST KOOTENAYS)

91-2900 / CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH© – species stocked
SK CO PK CM CH – species present
CO ST – lower limit of distribution
CO ST – upper limit of distribution
PK * – specific site of spawning
SK * / CO / CO – major spawning zone
CM * – upper limit of spawning

FLOW

OBSTRUCTIONS (measurements included where known)

3F – log jam (persistent)
D = dam
F = falls
R = rock falls
CV = culvert
BD = beaver dam
2C100 – cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT / MANAGEMENT ACTIVITIES

(HY) HY = hatchery
FW = fishway
SC = side channel
CH = spawning channel
BX = incubation box
HC = hatchery/spawning channel
CF = counting fence

WSC08FB003 – Water Survey of Canada Gauging Station

300 / CO – tributary watershed code

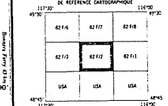
SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE



INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

CRESTON
82 F/2
EDITION 4

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, from aerial photographs taken in 1978, amended by the SURVEYS AND MAPPING BRANCH, MINISTRY OF ENVIRONMENT, BRITISH COLUMBIA. Surface sheet 1979. Published in 1981.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1981 Her Majesty the Queen in Right of Canada, Department of Energy, Mines and Resources.

Roads	Routes
hard surface, all weather	pavée, toute saison
hard surface, all weather	pavée, toute saison
loose or stabilized surface, all weather	gravier, agglomiré, toute saison
loose surface, dry weather	de gravier, temps sec
unclassified streets	rues hors classe
Cart track	de terre
trail, cut line or portage	tertier, percée ou portage

Dual highway, 2 lanes wide, 2 lanes separated / Route double, 2 voies, 2 voies séparées
Dual highway, 2 lanes wide, 4 lanes separated / Route double, 2 voies, 4 voies séparées

FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES VOIR AU VERSO

CRESTON
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA
Scale 1:50 000 Échelle

miles / Statute Miles 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Yards

Information concerning location and precise elevation of bench marks may be obtained according to the Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 10 20 10 0 50 100 150 200 300 Metres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Feet

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

On peut obtenir des renseignements sur le lieu et l'altitude exacte des repères de nivellement en s'adressant aux Levés géodésiques, Direction des levés et de la cartographie, Ottawa.

ÉCHELLE DE CONVERSION DES ALTITUDES

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord américain, 1927
Projection transverse de Mercator

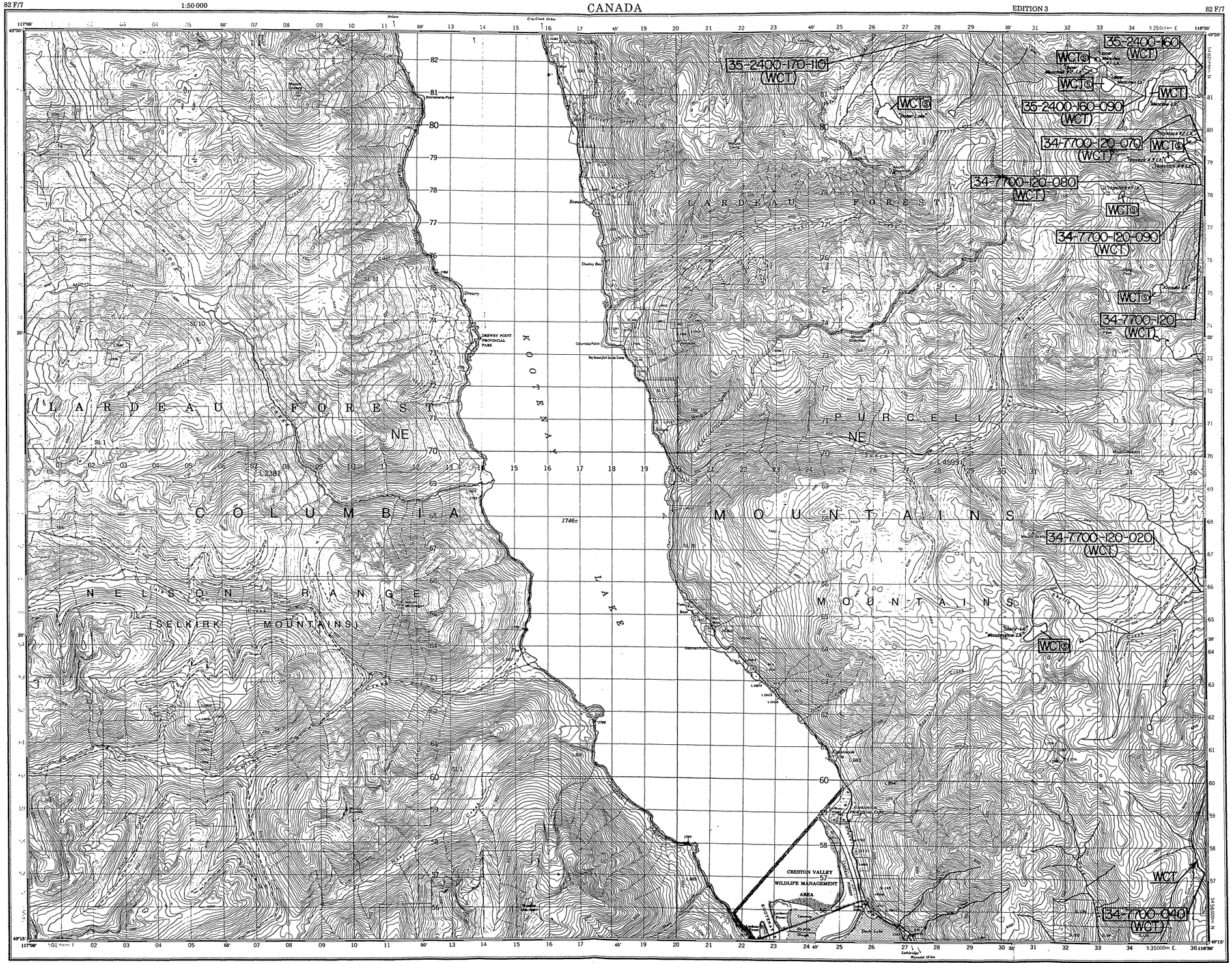
Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES, à partir de photographies aériennes prises en 1978, modifiée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ENVIRONNEMENT, COLOMBIE-BRITANNIQUE. Version des ouvrages en 1979. Publié en 1981.

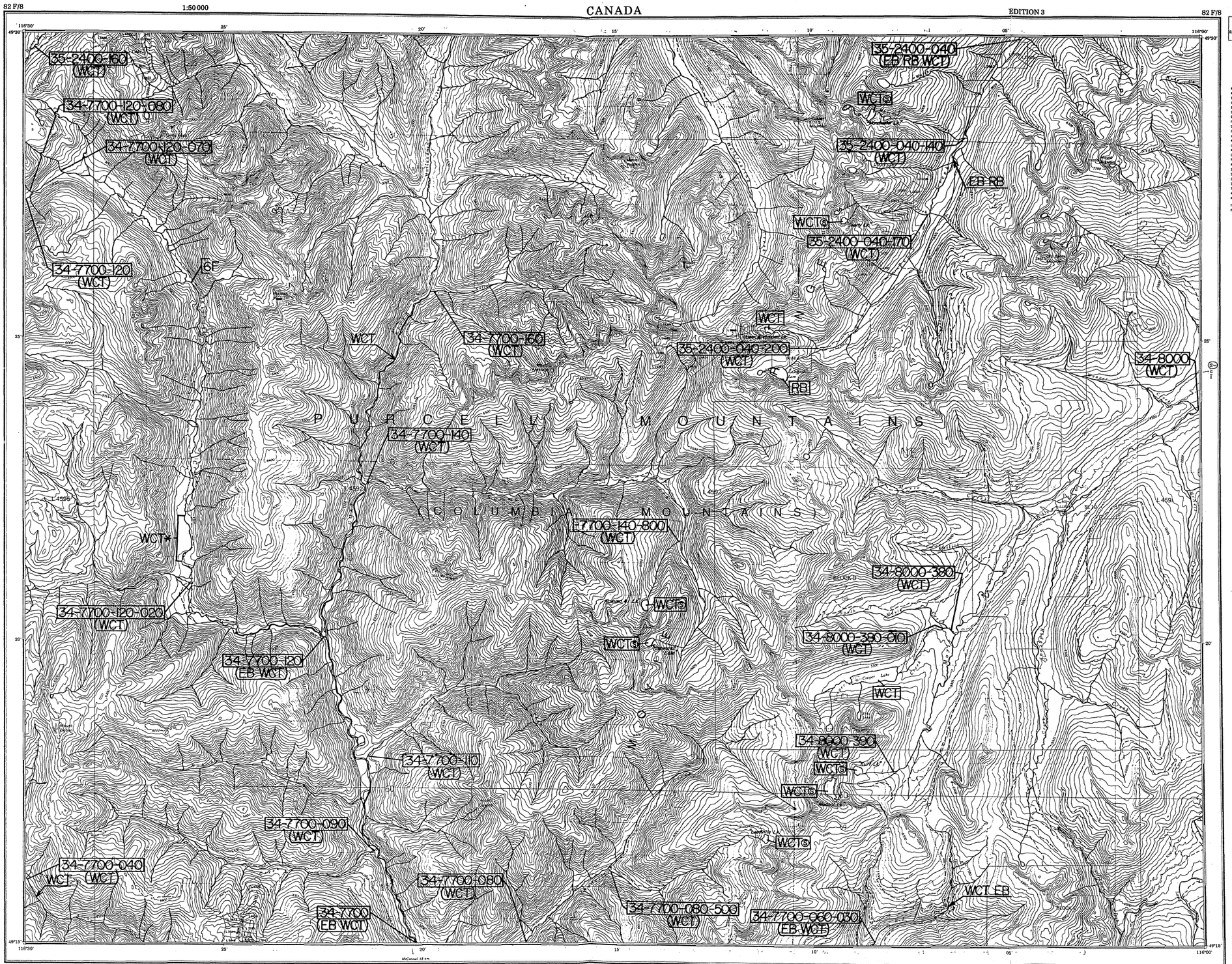
Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

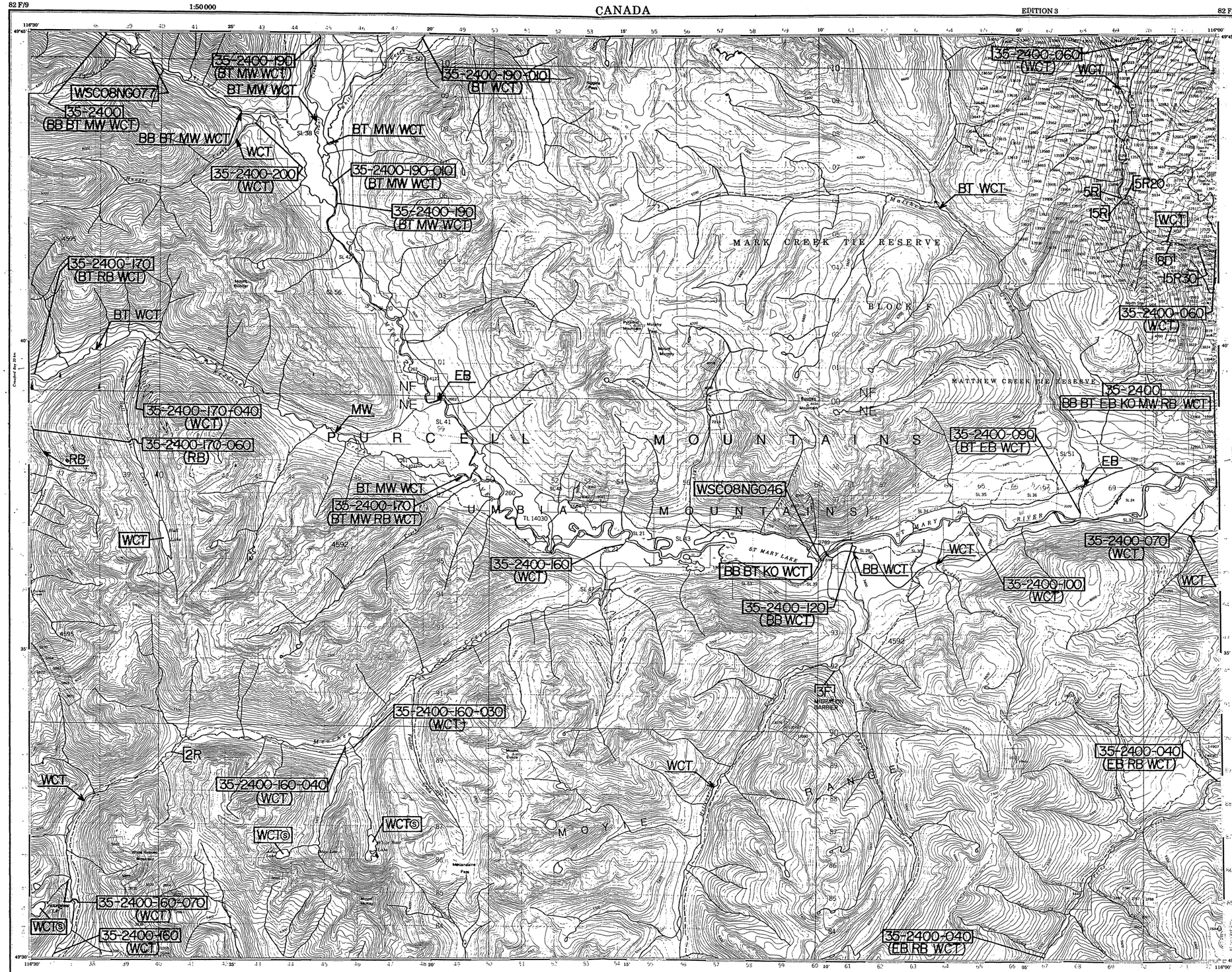
© 1981, Sa Majesté la Reine du Chef du Canada, Ministère de l'Énergie, des Mines et des Ressources.

82 F/7 1:50 000 CANADA EDITION 3 82 F/7

Military users, refer to this map as: SERIES A 721 SERIE
Reference de cette carte pour usage militaire: MAP 82 F/7 CARTE
EDITION 3 MCE EDITION


35-2400-170-110 (WCT)
35-2400-160 (WCT)
35-2400-160-090 (WCT)
34-7700-120-070 (WCT)
34-7700-120-080 (WCT)
34-7700-120-090 (WCT)
34-7700-120 (WCT)
34-7700-120-020 (WCT)
34-7700-040 (WCT)
WCT
WCT
LARDEAU FOREST
PURCELL MOUNTAINS
COLUMBIA MOUNTAINS
NELSON RANGE
(SELKIRK MOUNTAINS)
LARDEAU
KOOTENAY LAKE
DREWRY POINT PROVINCIAL PARK
KOOTENAY LAKE FERRY
CRESTON VALLEY WILDLIFE MANAGEMENT AREA
Woodbine Lake
Stanly Lake
Mosquito Lake
Thompson Lake
Provincial Park
Recreation Area
Forest Service Road
Ferry Terminal
Lookout
Mine
Cairn
Cabin
Ranger Station
Campground
Boat Launch
Picnic Site
Golf Course
Airport
Church
Cemetery
Hospital
Pumping Station
Reservoir
Tank
Water Tower
Windmill
Gravel Pit
Quarry
Mine Dump
Tailings
Oil Well
Gas Well
Power Line
Pipeline
Aqueduct
Penstock
Dam
Weir
Rapids
Falls
Spring
Swamp
Marsh
Muskeg
Glacier
Moraine
Talus
Cliff
Escarpment
Ridge
Pass
Saddle
Peak
Summit
Bench
Terrace
Alluvial Fan
Delta
Beach
Sand Dune
Rock Outcrop
Boulder Field
Scree
Snowfield
Ice Field
Crevasse
Moulin
Kame
Esker
Drumlin
Kettle
Erratic
Striae
Roche Moutonnée
Nunatak
Arête
Cirque
Col
Couloir
Hanging Valley
U-Shaped Valley
V-Shaped Valley
Gorge
Canyon
Waterfall
Rapids
Whirlpool
Eddy
Backwater
Oxbow
Meander
Braided Stream
Alluvial Plain
Floodplain
Levee
Natural Levee
Crevasse Splay
Point Bar
Channel Bar
Island
Peninsula
Isthmus
Cape
Bay
Inlet
Fjord
Lagoon
Estuary
Mouth
Source
Headwaters
Tributary
Confluence
Distributary
Anastomosing
Meandering
Straight
Sinuous
Intermittent
Perennial
Ephemeral
Underground
Subterranean
Karst
Sinkhole
Doline
Uvala
Polje
Cockpit
Tower Karst
Pinnacle
Stalactite
Stalagmite
Flowstone
Rimstone
Gypsum
Salt
Evaporite
Playa
Lake
Pond
Reservoir
Impoundment
Tailings Pond
Sewage Lagoon
Treatment Plant
Water Intake
Outfall
Sluice
Flume
Penstock
Turbine
Generator
Transformer
Substation
Switchyard
Transmission Line
Distribution Line
Pole
Tower
Guy Wire
Anchor
Insulator
Conductor
Ground Wire
Lightning Rod
Antenna
Radio Tower
Microwave Tower
Satellite Dish
Radar
Weather Station
Seismograph
Magnetometer
Gravimeter
Drill Hole
Core Sample
Assay
Claim
Lease
Permit
Concession
Royalty
Boundary
Monument
Survey Marker
Benchmark
Trigonometric Point
Elevation
Contour
Index Contour
Intermediate Contour
Depression Contour
Hachures
Shading
Hillshade
Aspect
Slope
Gradient
Curvature
Profile
Cross-Section
Geology
Lithology
Stratigraphy
Formation
Member
Bed
Contact
Fault
Thrust
Normal Fault
Reverse Fault
Strike-Slip Fault
Fold
Anticline
Syncline
Monocline
Dome
Basin
Unconformity
Intrusion
Dike
Sill
Batholith
Stock
Volcano
Lava Flow
Pyroclastic
Ash
Tuff
Breccia
Conglomerate
Sandstone
Shale
Limestone
Dolomite
Chert
Coal
Iron
Copper
Gold
Silver
Lead
Zinc
Molybdenum
Uranium
Rare Earth
Placer
Vein
Stockwork
Massive Sulfide
Porphyry
Skarn
Hydrothermal
Alteration
Oxidation
Reduction
Leaching
Enrichment
Supergene
Hypogene
Grade
Tonnage
Reserve
Resource
Drill Core
Trench
Adit
Shaft
Winze
Raise
Stope
Drift
Crosscut
Level
Ramp
Portal
Ventilation
Haulage
Hoist
Headframe
Mill
Crusher
Grinder
Flotation
Concentrate
Tailings
Smelter
Refinery
Slag
Furnace
Converter
Anode
Cathode
Electrolysis
Leach
Solvent Extraction
Electrowinning
Heap
Dump
Pit
Bench
Ramp
Haul Road
Shovel
Truck
Loader
Dragline
Bucket
Blast
Explosive
Detonator
Fuse
Primer
Magazine
Workshop
Office
Camp
Dormitory
Mess
Kitchen
Laundry
Clinic
Fire Station
Helipad
Airstrip
Runway
Taxiway
Apron
Hangar
Control Tower
Navigation Light
Beacon
Buoy
Channel
Harbour
Dock
Wharf
Pier
Jetty
Breakwater
Seawall
Groyne
Revetment
Riprap
Gabion
Bridge
Culvert
Ford
Ferry
Causeway
Tunnel
Snowshed
Avalanche Control
Gate
Fence
Cattle Guard
Corral
Stockyard
Feedlot
Dairy
Barn
Silo
Granary
Irrigation
Ditch
Canal
Flume
Sprinkler
Pivot
Orchard
Vineyard
Plantation
Nursery
Greenhouse
Apiary
Fish Farm
Hatchery
Rearing Pond
Spawning Channel
Fishway
Ladder
Trap
Weir
Boat Launch
Marina
Campground
Picnic Site
Trailhead
Interpretive Centre
Viewpoint
Lookout
Golf Course
Ski Area
Ski Lift
Chairlift
T-Bar
Rope Tow
Snowmobile Trail
Cross-Country Trail
Hiking Trail
Bridle Path
Mountain Bike Trail
Canoe Route
Portage
Rapids Run
Whitewater
Slalom Course
Regatta Course
Rowing Course
Sailing Course
Windsurfing
Kiteboarding
Scuba Diving
Snorkeling
Swimming Area
Beach
Playground
Sports Field
Baseball Diamond
Soccer Field
Football Field
Rugby Field
Cricket Pitch
Tennis Court
Basketball Court
Volleyball Court
Lawn Bowling
Curling Rink
Ice Rink
Skating Rink
Hockey Rink
Track
Field
Jump
Throw
Vault
Hurdle
Relay
Marathon
Cross-Country
Orienteering
Rogaining
Geocaching
Trail Marker
Blaze
Cairn
Inukshuk
Totem Pole
Petroglyph
Pictograph
Archaeological Site
Historic Site
Cemetery
Monument
Memorial
Plaque
Museum
Library
School
University
Church
Mosque
Synagogue
Temple
Shrine
Pagoda
Stupa
Minaret
Dome
Arch
Column
Statue
Fountain
Clock Tower
Lighthouse
Windmill
Watermill
Blacksmith
Forge
Anvil
Bellows
Tongs
Hammer
Chisel
Saw
Axe
Adze
Drill
Lathe
Milling Machine
Grinding Wheel
Welding
Soldering
Brazing
Riveting
Bolting
Screwing
Nailing
Gluing
Clamping
Measuring
Calipers
Micrometer
Vernier
Gauge
Level
Plumb Bob
Theodolite
Total Station
GPS
Compass
Clinometer
Altimeter
Barometer
Thermometer
Hygrometer
Anemometer
Rain Gauge
Snow Gauge
Weather Vane
Sundial
Hourglass
Clock
Watch
Calendar
Almanac
Map
Chart
Globe
Atlas
Gazetteer
Dictionary
Encyclopedia
Thesaurus
Grammar
Syntax
Semantics
Phonetics
Phonology
Morphology
Etymology
Linguistics
Philology
Rhetoric
Poetry
Prose
Drama
Comedy
Tragedy
Satire
Epic
Lyric
Ode
Sonnet
Haiku
Limerick
Ballad
Elegy
Eulogy
Obituary
Biography
Autobiography
Memoir
Diary
Journal
Letter
Essay
Treatise
Thesis
Dissertation
Abstract
Bibliography
Footnote
Endnote
Index
Table of Contents
Glossary
Appendix
Preface
Foreword
Introduction
Conclusion
Epilogue
Prologue
Dedication
Acknowledgement
Publication Info
Colophon
Errata
Addendum
Corrigendum
Supplement
Revision
Edition
Reprint
Translation
Adaptation
Abridgement
Anthology
Compilation
Collection
Series
Volume
Issue
Page
Column
Line
Word
Character
Punctuation
Period
Comma
Semicolon
Colon
Question Mark
Exclamation Mark
Quotation Mark
Apostrophe
Hyphen
Dash
Parenthesis
Bracket
Brace
Ellipsis
Slash
Backslash
Asterisk
Ampersand
At Sign
Hash
Dollar Sign
Percent
Caret
Tilde
Grave
Acute
Circumflex
Umlaut
Cedilla
Tilde
Macron
Breve
Dot
Ring
Stroke
Ogonek
Caron
Double Acute
Double Grave
Inverted Breve
Horn
Hook
Tail
Descender
Ascender
Serif
Sans-Serif
Monospace
Proportional
Kerning
Ligature
Leading
Tracking
Justification
Alignment
Indent
Outdent
Hanging Indent
Drop Cap
Initial
Rubric
Illuminated
Manuscript
Scroll
Codex
Papyrus
Parchment
Vellum
Paper
Ink
Quill
Pen
Nib
Reed
Brush
Stylus
Tablet
Wax
Seal
Signet
Envelope
Postage
Stamp
Mail
Courier
Telegram
Telephone
Fax
Email
Internet
Website
Blog
Forum
Chat
Social Media
Podcast
Streaming
Download
Upload
Cloud
Server
Client
Protocol
Bandwidth
Latency
Packet
Router
Switch
Modem
Firewall
Encryption
Password
Username
Login
Logout
Cookie
Cache
Browser
Search Engine
Hyperlink
URL
HTML
CSS
JavaScript
Python
Database
SQL
API
Framework
Library
Module
Function
Variable
Constant
Loop
Conditional
Array
Object
Class
Inheritance
Polymorphism
Encapsulation
Abstraction
Interface
Algorithm
Data Structure
Binary
Hexadecimal
Octal
Decimal
Bit
Byte
Kilobyte
Megabyte
Gigabyte
Terabyte
Petabyte
Exabyte
Zettabyte
Yottabyte
Quantum
Qubit
Superposition
Entanglement
Teleportation
Cryptography
Steganography
Blockchain
Bitcoin
Ethereum
Smart Contract
Decentralized
Peer-to-Peer
Mesh Network
Satellite
Orbit
Geostationary
Polar Orbit
Low Earth Orbit
Medium Earth Orbit
Transponder
Uplink
Downlink
Ground Station
Antenna
Dish
Horn
Waveguide
Coaxial Cable
Fiber Optic
Repeater
Amplifier
Attenuator
Filter
Modulation
Demodulation
Amplitude Modulation
Frequency Modulation
Phase Modulation
Pulse Code Modulation
Digital Signal
Analog Signal
Sampling
Quantization
Compression
Decompression
Lossless
Lossy
Codec
Container
Metadata
Checksum
Hash
Digital Signature
Certificate
Public Key
Private Key
Symmetric Key
Asymmetric Key
Key Exchange
Diffie-Hellman
RSA
AES
DES
Triple DES
Blowfish
Twofish
Serpent
Rijndael
Elliptic Curve
Quantum Key Distribution
Post-Quantum
Lattice-Based
Hash-Based
Code-Based
Multivariate
Isogeny-Based
Zero-Knowledge Proof
Homomorphic Encryption
Secure Multi-Party Computation
Differential Privacy
Federated Learning
Machine Learning
Neural Network
Deep Learning
Convolutional Neural Network
Recurrent Neural Network
Transformer
Attention
Embedding
Tokenization
Natural Language Processing
Computer Vision
Object Detection
Image Segmentation
Facial Recognition
Optical Character Recognition
Speech Recognition
Text-to-Speech
Sentiment Analysis
Named Entity Recognition
Part-of-Speech Tagging
Dependency Parsing
Coreference Resolution
Machine Translation
Question Answering
Chatbot
Recommender System
Collaborative Filtering
Content-Based Filtering
Hybrid Recommender
Reinforcement Learning
Supervised Learning
Unsupervised Learning
Semi-Supervised Learning
Self-Supervised Learning
Transfer Learning
Few-Shot Learning
Zero-Shot Learning
One-Shot Learning
Meta-Learning
Generative Adversarial Network
Variational Autoencoder
Diffusion Model
Large Language Model
Foundation Model
Prompt Engineering
Fine-Tuning
Pre-Training
Tokenizer
Vocabulary
Context Window
Temperature
Top-k Sampling
Top-p Sampling
Beam Search
Greedy Decoding
Perplexity
BLEU Score
ROUGE Score
F1 Score
Precision
Recall
Accuracy
Confusion Matrix
ROC Curve
AUC
Cross-Validation
Hyperparameter
Grid Search
Random Search
Bayesian Optimization
Gradient Descent
Stochastic Gradient Descent
Adam Optimizer
Learning Rate
Batch Size
Epoch
Overfitting
Underfitting
Regularization
Dropout
Batch Normalization
Layer Normalization
Residual Connection
Skip Connection
Pooling
Max Pooling
Average Pooling
Global Pooling
Flatten
Dense Layer
Activation Function
ReLU
Sigmoid
Tanh
Softmax
Leaky ReLU
GELU
Swish
Mish
Loss Function
Cross-Entropy
Mean Squared Error
Mean Absolute Error
Huber Loss
Hinge Loss
Kullback-Leibler Divergence
Wasserstein Distance
Gradient Clipping
Weight Decay
Momentum
Nesterov Momentum
Adagrad
RMSprop
Adadelta
Nadam
AdamW
Learning Rate Schedule
Warm-Up
Cosine Annealing
Step Decay
Exponential Decay
Cyclical Learning Rate
One-Cycle Policy
Early Stopping
Checkpointing
Model Ensemble
Bagging
Boosting
Stacking
Random Forest
Decision Tree
Support Vector Machine
Naive Bayes
K-Nearest Neighbors
K-Means
Hierarchical Clustering
DBSCAN
Principal Component Analysis
t-SNE
UMAP
Autoencoder
Sparse Autoencoder
Denoising Autoencoder
Contractive Autoencoder
Variational Autoencoder
Beta-VAE
VQ-VAE
PixelCNN
PixelRNN
WaveNet
Tacotron
Vocoder
Griffin-Lim
Mel Spectrogram
Spectrogram
Short-Time Fourier Transform
Wavelet
Discrete Cosine Transform
Fast Fourier Transform
Convolution
Deconvolution
Transposed Convolution
Dilated Convolution
Depthwise Convolution
Pointwise Convolution
Separable Convolution
Grouped Convolution
Channel Shuffle
Squeeze-and-Excitation
Inception Module
ResNet
DenseNet
EfficientNet
MobileNet
ShuffleNet
SqueezeNet
VGG
AlexNet
LeNet
U-Net
Mask R-CNN
Faster R-CNN
YOLO
SSD
RetinaNet
Feature Pyramid Network
Anchor Box
Non-Maximum Suppression
Intersection over Union
Region Proposal Network
ROI Pooling
ROI Align
Panoptic Segmentation
Instance Segmentation
Semantic Segmentation
Pose Estimation
Optical Flow
Stereo Vision
Depth Estimation
Simultaneous Localization and Mapping
Visual Odometry
Structure from Motion
Bundle Adjustment
Iterative Closest Point
Point Cloud
Voxel
Mesh
Polygon
Vertex
Edge
Face
Normal
Texture Mapping
UV Mapping
Ray Tracing
Rasterization
Shader
Vertex Shader
Fragment Shader
Geometry Shader
Tessellation
Level of Detail
Occlusion Culling
Frustum Culling
Backface Culling
Scene Graph
Transform
Quaternion
Euler Angle
Rotation Matrix
Translation Matrix
Scale Matrix
Homogeneous Coordinates
Perspective Projection
Orthographic Projection
Camera
Field of View
Aspect Ratio
Near Plane
Far Plane
Viewport
Clipping
Depth Buffer
Stencil Buffer
Framebuffer
Double Buffering
Vsync
Frame Rate
Frame Time
Profiling
Benchmark
Optimization
Parallelization
Thread
Process
Mutex
Semaphore
Deadlock
Race Condition
Atomic Operation
Memory Barrier
Cache Coherence
NUMA
SIMD
GPU
CPU
TPU
FPGA
ASIC
Embedded System
Real-Time System
Operating System
Kernel
Driver
Interrupt
DMA
Memory Management
Virtual Memory
Page Table
Swap
Garbage Collection
Reference Counting
Compiler
Interpreter
Assembler
Linker
Loader
Debugger
Profiler
Version Control
Git
Repository
Commit
Branch
Merge
Pull Request
Code Review
Continuous Integration
Continuous Deployment
Docker
Container
Kubernetes
Microservice
Monolith
Serverless
Function as a Service
Infrastructure as Code
Terraform
Ansible
Chef
Puppet
Monitoring
Logging
Alerting
Dashboard
Grafana
Prometheus
Elasticsearch
Kibana
Logstash
Fluentd
Jaeger
Zipkin
OpenTelemetry
Service Mesh
Istio
Envoy
Linkerd
Consul
Vault
Secret Management
Identity and Access Management
OAuth
OpenID Connect
SAML
LDAP
Active Directory
Single Sign-On
Multi-Factor Authentication
Biometrics
Fingerprint
Iris Scan
Retina Scan
Voice Recognition
Behavioral Biometrics
Keystroke Dynamics
Gait Analysis
Facial Recognition
Liveness Detection
Anti-Spoofing
Presentation Attack Detection
Deepfake Detection
Adversarial Example
Adversarial Training
Robustness
Explainability
Interpretability
Fairness
Bias
Ethics
Responsible AI
AI Safety
Alignment
Reward Modeling
Reinforcement Learning from Human Feedback
Constitutional AI
Red Teaming
Jailbreaking
Prompt Injection
Data Poisoning
Model Inversion
Membership Inference
Model Extraction
Watermarking
Provenance
Content Authenticity
Coalition for Content Provenance and Authenticity
C2PA
Digital Rights Management
Trusted Platform Module
Secure Boot
Measured Boot
Remote Attestation
Hardware Security Module
Physically Unclonable Function
True Random Number Generator
Pseudo-Random Number Generator
Entropy
Side-Channel Attack
Timing Attack
Power Analysis
Fault Injection
Rowhammer
Spectre
Meltdown
Foreshadow
Zombieload
Hertzbleed
Plundervolt
CLKscrew
Load Value Injection
Microarchitectural Data Sampling
Transient Execution
Speculative Execution
Out-of-Order Execution
Branch Prediction
Return Stack Buffer
Indirect Branch Predictor
Memory Disambiguation
Store Buffer
Line Fill Buffer
Load Port
Store Port
Execution Port
Reorder Buffer
Reservation Station
Register Renaming
Physical Register File
Architectural Register
Flags Register
Instruction Pointer
Stack Pointer
Base Pointer
Calling Convention
System V ABI
Microsoft x64 ABI
Red Zone
Shadow Space
Stack Frame
Prologue
Epilogue
Tail Call
Inlining
Loop Unrolling
Vectorization
Auto-Vectorization
Intrinsics
Assembly Language
Machine Code
Object File
Executable
Shared Library
Dynamic Linking
Static Linking
Position-Independent Code
Relocation
Symbol Table
Debug Info
DWARF
PDB
Core Dump
Crash Report
Stack Trace
Backtrace
Symbolication
Address Space Layout Randomization
Data Execution Prevention
Control Flow Integrity
Stack Canary
Safe Stack
Shadow Stack
Hardware-Assisted Security
Intel SGX
AMD SEV
ARM TrustZone
Confidential Computing
Trusted Execution Environment
Secure Enclave
Attestation
Sealed Storage
Remote Procedure Call
gRPC
Protocol Buffers
Thrift
Avro
Message Queue
Publish-Subscribe
Event Sourcing
CQRS
Saga Pattern
Two-Phase Commit
Eventual Consistency
Strong Consistency
CAP Theorem
Partition Tolerance
Consensus
Paxos
Raft
Byzantine Fault Tolerance
Gossip Protocol
Vector Clock
Lamport Timestamp
Distributed Lock
Leader Election
Sharding
Replication
Master-Slave
Multi-Master
Quorum
Write-Ahead Log
Log-Structured Merge Tree
B-Tree
Hash Index
Bloom Filter
Inverted Index
Full-Text Search
Relevance Ranking
TF-IDF
BM25
Vector Search
Approximate Nearest Neighbor
Locality-Sensitive Hashing
Product Quantization
Hierarchical Navigable Small World
Annoy
FAISS
ScaNN
Milvus
Pinecone
Weaviate
Qdrant
Chroma
Retrieval-Augmented Generation
Knowledge Graph
Ontology
Resource Description Framework
SPARQL
Linked Data
Semantic Web
Web Ontology Language
Schema.org
JSON-LD
Microdata
RDFa
Dublin Core
Metadata Registry
Controlled Vocabulary
Taxonomy
Thesaurus
Faceted Search
Autocomplete
Spell Check
Did You Mean
Query Expansion
Relevance Feedback
Click-Through Rate
A/B Testing
Multivariate Testing
Conversion Rate
Bounce Rate
Dwell Time
Session
Cookie
Tracking Pixel
Web Analytics
Google Analytics
Matomo
Plausible
Fathom
Server Log
Log Analysis
Anomaly Detection
Intrusion Detection System
Intrusion Prevention System
Security Info and Event Management
Security Operations Center
Incident Response
Forensics
Malware
Virus
Worm
Trojan
Ransomware
Spyware
Adware
Rootkit
Botnet
Command and Control
Phishing
Spear Phishing
Whaling
Vishing
Smishing
Social Engineering
Pretexting
Baiting
Quid Pro Quo
Tailgating
Dumpster Diving
Shoulder Surfing
Keylogger
Screen Capture
Clipboard Hijacking
Man-in-the-Middle
Session Hijacking
Cross-Site Scripting
Cross-Site Request Forgery
SQL Injection
Command Injection
Path Traversal
Buffer Overflow
Heap Overflow
Stack Overflow
Integer Overflow
Format String Vulnerability
Use-After-Free
Double Free
Null Pointer Dereference
Type Confusion
Race Condition
Time-of-Check to Time-of-Use
Privilege Escalation
Sandbox Escape
Exploit
Proof of Concept
Zero-Day
Vulnerability Disclosure
Responsible Disclosure
Bug Bounty
Penetration Testing
Red Team
Blue Team
Purple Team
Capture the Flag
Threat Modeling
Risk Assessment
Security Audit
Compliance
GDPR
CCPA
HIPAA
PCI DSS
SOC 2
ISO 27001
NIST Framework
Zero Trust
Defense in Depth
Least Privilege
Separation of Duties
Need to Know
Data Classification
Data Loss Prevention
Backup
Disaster Recovery
Business Continuity
Recovery Point Objective
Recovery Time Objective
Failover
Redundancy
High Availability
Load Balancing
Round Robin
Least Connections
Weighted Round Robin
IP Hash
Session Affinity
Sticky Session
Health Check
Circuit Breaker
Bulkhead
Retry
Timeout
Rate Limiting
Throttling
Backpressure
Queue
Dead Letter Queue
Idempotency
Exactly-Once Delivery
At-Least-Once Delivery
At-Most-Once Delivery
Event Ordering
Watermark
Windowing
Tumbling Window
Sliding Window
Session Window
Stream Processing
Batch Processing
Lambda Architecture
Kappa Architecture
Data Lake
Data Warehouse
Data Mart
ETL
ELT
Change Data Capture
Schema Evolution
Schema Registry
Data Catalog
Data Lineage
Data Quality
Data Profiling
Master Data Management
Reference Data
Dimensional Modeling
Star Schema
Snowflake Schema
Fact Table
Dimension Table
Slowly Changing Dimension
Surrogate Key
Natural Key
Composite Key
Foreign Key
Primary Key
Normalization
Denormalization
First Normal Form
Second Normal Form
Third Normal Form
Boyce-Codd Normal Form
Fourth Normal Form
Fifth Normal Form
Entity-Relationship Diagram
Unified Modeling Language
Use Case
Sequence Diagram
Activity Diagram
State Machine
Class Diagram
Component Diagram
Deployment Diagram
Package Diagram
Object Constraint Language
Model-Driven Architecture
Domain-Driven Design
Bounded Context
Aggregate
Value Object
Entity
Repository
Factory
Service
Domain Event
Command
Query
Read Model
Write Model
Event Store
Projection
Snapshot
Hexagonal Architecture
Ports and Adapters
Clean Architecture
Onion Architecture
Layered Architecture
Model-View-Controller
Model-View-ViewModel
Model-View-Presenter
Flux
Redux
Elm Architecture
Reactive Programming
Observable
Subject
Operator
Backpressure
Functional Programming
Immutability
Pure Function
Side Effect
Referential Transparency
Higher-Order Function
Closure
Currying
Partial Application
Monad
Functor
Applicative
Lens
Zipper
Trampoline
Continuation
Tail Recursion
Memoization
Lazy Evaluation
Eager Evaluation
Strict Evaluation
Type System
Static Typing
Dynamic Typing
Gradual Typing
Type Inference
Generics
Parametric Polymorphism
Ad-Hoc Polymorphism
Subtyping
Covariance
Contravariance
Invariance
Bounded Quantification
Higher-Kinded Type
Dependent Type
Refinement Type
Linear Type
Affine Type
Uniqueness Type
Effect System
Algebraic Effect
Handler
Resumption
Coroutine
Generator
Async/Await
Promise
Future
Task
Thread Pool
Work Stealing
Fork-Join
Map-Reduce
Scatter-Gather
Pipeline
Dataflow
Actor Model
Message Passing
Mailbox
Supervision Tree
Let It Crash
Hot Code Swapping
Distributed Erlang
Node
Cluster
Gossip
Membership
Failure Detector
Phi Accrual
SWIM
Anti-Entropy
Merkle Tree
Conflict-Free Replicated Data Type
Operational Transformation
Last-Writer-Wins
Multi-Value Register
Observed-Remove Set
Grow-Only Counter
Positive-Negative Counter
Delta State
State-Based
Operation-Based
Causal Broadcast
Total Order Broadcast
Reliable Broadcast
Best-Effort Broadcast
Atomic Broadcast
Virtual Synchrony
View Change
Primary-Backup
Chain Replication
Quorum Read
Quorum Write
Hinted Handoff
Read Repair
Anti-Entropy Repair
Tombstone
Compaction
Leveled Compaction
Size-Tiered Compaction
Time-Window Compaction
Write Amplification
Read Amplification
Space Amplification
Log-Structured Merge Tree
Memtable
SSTable
Sparse Index
Dense Index
Block Cache
Row Cache
Key Cache
Counter Cache
Commit Log
Hinted Handoff
Gossip
Seed Node
Snitch
Partitioner
Murmur3
Random Partitioner
Byte Ordered Partitioner
Virtual Node
Token Range
Replication Factor
Consistency Level
ONE
TWO
THREE
QUORUM
ALL
LOCAL_ONE
LOCAL_QUORUM
EACH_QUORUM
SERIAL
LOCAL_SERIAL
Lightweight Transaction
Compare-and-Set
Batch
Unlogged Batch
Logged Batch
Counter Batch
Materialized View
Secondary Index
SASI
SSTable Attached Secondary Index
Storage Attached Index
Full Text Index
Vector Index
Approximate Nearest Neighbor
Hierarchical Navigable Small World
Inverted File Index
Product Quantization
Scalar Quantization
Binary Quantization
Re-Ranking
Hybrid Search
Sparse Vector
Dense Vector
Reciprocal Rank Fusion
Cross-Encoder
Bi-Encoder
Sentence Transformer
Embedding Model
Chunking
Overlap
Recursive Character Text Splitter
Semantic Chunking
Agentic Chunking
Parent Document Retriever
Multi-Vector Retriever
Self-Query Retriever
Time-Weighted Retriever
Ensemble Retriever
Contextual Compression
Document Transformer
Long-Context Reorder
Map-Reduce Chain
Map-Rerank Chain
Refine Chain
Stuff Chain
Conversational Retrieval Chain
Question Generator
Condense Question
Chat History
Memory
Buffer Memory
Summary Memory
Entity Memory
Knowledge Graph Memory
Vector Store Memory
Conversation Token Buffer
Agent
Tool
Tool Calling
Function Calling
ReAct
Plan-and-Execute
Self-Ask
Chain of Thought
Tree of Thoughts
Graph of Thoughts
Reflexion
Toolformer
Gorilla
API Bank
ToolBench
Code Interpreter
Sandbox
Jupyter Kernel
Notebook
Cell
Magic Command
Line Magic
Cell Magic
Widget
Ipywidgets
Voila
Streamlit
Gradio
Dash
Plotly
Bokeh
Altair
Vega-Lite
Matplotlib
Seaborn
Pandas
DataFrame
Series
Index
MultiIndex
Groupby
Pivot Table
Melt
Merge
Join
Concat
Apply
Lambda
Vectorized Operation
NumPy
ndarray
Broadcasting
Universal Function
Linear Algebra
Eigenvalue
Eigenvector
Singular Value Decomposition
QR Decomposition
Cholesky Decomposition
LU Decomposition
Least Squares
Pseudo-Inverse
Condition Number
Numerical Stability
Floating Point
IEEE 754
Half Precision
Single Precision
Double Precision
Quad Precision
Arbitrary Precision
Fixed Point
Rational Number
Complex Number
Quaternion
Octonion
Sedenion
Clifford Algebra
Geometric Algebra
Exterior Algebra
Tensor
Tensor Contraction
Einstein Summation
Kronecker Product
Hadamard Product
Outer Product
Inner Product
Dot Product
Cross Product
Triple Product
Gram-Schmidt
Orthogonalization
Orthonormalization
Projection
Reflection
Rotation
Shear
Scaling
Translation
Affine Transformation
Homography
Perspective Transformation
Barycentric Coordinates
Convex Hull
Delaunay Triangulation
Voronoi Diagram
Alpha Shape
Concave Hull
Minimum Bounding Box
Minimum Enclosing Circle
Minimum Enclosing Ellipse
Rotating Calipers
Point in Polygon
Line Intersection
Segment Intersection
Sweep Line
Bentley-Ottmann
Fortune's Algorithm
Quadtree
Octree
KD-Tree
Ball Tree
R-Tree
R*-Tree
R+-Tree
Hilbert Curve
Z-Order Curve
Morton Code
Space-Filling Curve
Geohash
S2 Geometry
H3
Plus Code
What3words
Maidenhead Locator
Military Grid Reference System
Universal Transverse Mercator
Transverse Mercator
Lambert Conformal Conic
Albers Equal Area
Mercator
Web Mercator
Equirectangular
Sinusoidal
Mollweide
Robinson
Winkel Tripel
Goode Homolosine
Dymaxion
Authalic Latitude
Conformal Latitude
Geodetic Latitude
Geocentric Latitude
Parametric Latitude
Rectifying Latitude
Meridional Arc
Ellipsoid
Spheroid
Oblate Spheroid
Prolate Spheroid
Triaxial Ellipsoid
Geoid
Quasi-Geoid
Vertical Datum
Tidal Datum
Mean Sea Level
Lowest Astronomical Tide
Highest Astronomical Tide
Chart Datum
Ordnance Datum
Height Above Ellipsoid
Orthometric Height
Normal Height
Dynamic Height
Geopotential Number
Gravity Anomaly
Free-Air Anomaly
Bouguer Anomaly
Isostatic Anomaly
Deflection of the Vertical
Astronomic Latitude
Astronomic Longitude
Laplace Correction
Doppler Positioning
Satellite Laser Ranging
Very Long Baseline Interferometry
Global Navigation Satellite System
GPS
GLONASS
Galileo
BeiDou
QZSS
NavIC
SBAS
WAAS
EGNOS
MSAS
GAGAN
Differential GPS
Real-Time Kinematic
Precise Point Positioning
Network RTK
Virtual Reference Station
Continuously Operating Reference Station
Ntrip
RTCM
NMEA 0183
NMEA 2000
Binary Protocol
Receiver Independent Exchange Format
SP3
Broadcast Ephemeris
Almanac
Ephemeris
Clock Bias
Ionospheric Delay
Tropospheric Delay
Multipath
Dilution of Precision
Geometric Dilution of Precision
Position Dilution of Precision
Horizontal Dilution of Precision
Vertical Dilution of Precision
Time Dilution of Precision
Signal-to-Noise Ratio
Carrier Phase
Pseudorange
Code Phase
Integer Ambiguity
Cycle Slip
Wide-Lane
Narrow-Lane
Ionosphere-Free Combination
Melbourne-Wübbena
Geometry-Free Combination
Single-Frequency
Dual-Frequency
Triple-Frequency
Multi-Frequency
Multi-Constellation
Time to First Fix
Cold Start
Warm Start
Hot Start
Assisted GPS
Aiding Data
Extended Ephemeris
Predicted Orbit
Ultra-Rapid Orbit
Rapid Orbit
Final Orbit
International GNSS Service
International Earth Rotation and Reference Systems Service
International Terrestrial Reference Frame
Earth-Centered Earth-Fixed
Earth-Centered Inertial
Precession
Nutation
Polar Motion
Length of Day
Universal Time
Coordinated Universal Time
International Atomic Time
Leap Second
Julian Date
Modified Julian Date
Sidereal Time
Solar Time
Equation of Time
Ecliptic
Vernal Equinox
Autumnal Equinox
Summer Solstice
Winter Solstice
Obliquity of the Ecliptic
Celestial Equator
Celestial Pole
Right Ascension
Declination
Hour Angle
Azimuth
Altitude
Zenith
Nadir
Meridian
Prime Vertical
Horizon
Dip of the Horizon
Refraction
Atmospheric Refraction
Standard Atmosphere
Scale Height
Barometric Formula
Hypsometric Equation
Adiabatic Lapse Rate
Dry Adiabatic Lapse Rate
Moist Adiabatic Lapse Rate
Environmental Lapse Rate
Temperature Inversion
Boundary Layer
Troposphere
Stratosphere
Mesosphere
Thermosphere
Exosphere
Ionosphere
Plasmasphere
Magnetosphere
Van Allen Belt
Solar Wind
Coronal Mass Ejection
Geomagnetic Storm
Aurora
Magnetic Declination
Magnetic Inclination
Magnetic Dip
Magnetic Anomaly
Secular Variation
Geomagnetic Reversal
Paleomagnetism
Remanent Magnetization
Induced Magnetization
Curie Temperature
Blocking Temperature
Magnetic Susceptibility
Magnetic Permeability
Magnetic Field Strength
Magnetic Flux Density
Magnetic Flux
Magnetic Dipole Moment
Magnetic Monopole
Maxwell's Equations
Gauss's Law
Faraday's Law of Induction
Ampère's Law
Lenz's Law
Poynting Vector
Electromagnetic Wave
Wavelength
Frequency
Amplitude
Phase
Polarization
Linear Polarization
Circular Polarization
Elliptical Polarization
Reflection
Refraction
Snell's Law
Brewster's Angle
Critical Angle
Total Internal Reflection
Diffraction
Interference
Huygens-Fresnel Principle
Fraunhofer Diffraction
Fresnel Diffraction
Single-Slit Diffraction
Double-Slit Diffraction
Diffraction Grating
Resolving Power
Rayleigh Criterion
Airy Disk
Point Spread Function
Modulation Transfer Function
Optical Transfer Function
Wavefront
Aberration
Spherical Aberration
Coma
Astigmatism
Field Curvature
Distortion
Chromatic Aberration
Lateral Chromatic Aberration
Longitudinal Chromatic Aberration
Achromatic Doublet
Apochromatic Lens
Aspheric Lens
Fresnel Lens
Zone Plate
Pinhole Camera
Camera Obscura
Lens
Thin Lens
Thick Lens
Focal Length
Focal Point
Principal Plane
Nodal Point
Entrance Pupil
Exit Pupil
Aperture Stop
Field Stop
Vignetting
Depth of Field
Hyperfocal Distance
Circle of Confusion
Bokeh
Aperture
F-Number
Numerical Aperture
Working F-Number
Telecentric Lens
Zoom Lens
Varifocal Lens
Prime Lens
Macro Lens
Fisheye Lens
Wide-Angle Lens
Telephoto Lens
Catadioptric Lens
Mirror Lens
Reflector
Parabolic Mirror
Spherical Mirror
Schmidt Camera
Cassegrain Telescope
Newtonian Telescope
Refractor
Objective
Eyepiece
Barlow Lens
Diagonal
Finder Scope
Equatorial Mount
Alt-Azimuth Mount
Dobsonian Mount
Go-To
Tracking
Guiding
Autoguider
Off-Axis Guider
Field Rotator
Image Stabilization
Optical Image Stabilization
Electronic Image Stabilization
Sensor-Shift Stabilization
Lens-Shift Stabilization
Gyroscopic Stabilization
Accelerometer
Inertial Measurement Unit
Attitude and Heading Reference System
Dead Reckoning
Pedestrian Dead Reckoning
Step Detection
Step Length
Heading
Compass Calibration
Hard Iron Correction
Soft Iron Correction
Figure of Merit
Tilt Compensation
Gimbal
Gimbal Lock
Euler Angles
Tait-Bryan Angles
Proper Euler Angles
Intrinsic Rotation
Extrinsic Rotation
Rotation Sequence
Roll
Pitch
Yaw
Heave
Sway
Surge
Six Degrees of Freedom
Three Degrees of Freedom
Nine Degrees of Freedom
Ten Degrees of Freedom
Sensor Fusion
Complementary Filter
Kalman Filter
Extended Kalman Filter
Unscented Kalman Filter
Particle Filter
Sigma Point
Cubature Kalman Filter
Information Filter
Square Root Filter
Ensemble Kalman Filter
Moving Horizon Estimation
Factor Graph
Bundle Adjustment
Pose Graph
Loop Closure
Relocalization
Keyframe
Map
Occupancy Grid
Octomap
Signed Distance Field
Truncated Signed Distance Field
Surfel
Point-Based Rendering


35-2400-150 (WCT)
34-7700-120-080 (WCT)
34-7700-120-070 (WCT)
34-7700-120 (WCT)
3F
WCT
34-7700-160 (WCT)
35-2400-040 (EB RB WCT)
WCT
35-2400-040-140 (WCT)
EB RB
WCT
35-2400-040-170 (WCT)
WCT
35-2400-040-200 (WCT)
RB
34-8000 (WCT)
P U R C E L L M O U N T A I N S
34-7700-140 (WCT)
(C O L U M B I A M O U N T A I N S)
7700-140-800 (WCT)
WCT
34-8000-380 (WCT)
34-7700-120-020 (WCT)
34-7700-120 (EB WCT)
34-8000-380-010 (WCT)
WCT
34-8000-300 (WCT)
34-7700-110 (WCT)
34-7700-090 (WCT)
WCT
34-7700-040 (WCT)
WCT
34-7700-080 (WCT)
34-7700 (EB WCT)
34-7700-080-500 (WCT)
34-7700-060-030 (EB WCT)
WCT EB
Cooper Lake
Copper Lake
Turtle Lake
Mountain Lake
Mountain Creek
Mountain Creek
Cooper Creek
Turtle Creek
Turtle Creek
Mountain Creek
Mountain Creek
Cooper Creek
Cooper Creek
Mountain Creek
Mountain Creek
Mountain



Military users, refer to this map as: SERIES A 721 SÉRIE
Référence de cette carte pour usage militaire: MAP 82 F/9 CARTE
EDITION 3 MCE ÉDITION

GLOSSARY GLOSSAIRE

Airfield	Terrain d'aviation
Arena	Aréna
City Limits	Limites de ville
Customs	Douane
Ditch	Fossé
Dugout	Abreuvoir
Dump	Dépotoir
Filtration Plant	Usine de filtration
Gas	Gaz
Golf Course	Terrain de golf
Junk Yard	Ferraille
Kiln	Four
Lookout	Belvédère
Mine Vicinity	Zone de mine
Oil Wells	Puits de pétrol
Park	Parc
Quay	Patinoire
Senior Citizens Home	Foyer de l'âge d'or
Ski Area	Station de ski
Strong Bag	Fondrière à fragments
Surveyed Line	Ligne arpentée
Tank	Réservoir
Water	Eau
Winter Road	Chemin d'hiver

For a complete glossary see reverse side
Pour un glossaire complet, voir au verso

STREAM INFORMATION SUMMARY SYSTEM (SISS)
(EAST KOOTENAYS)

91-2900 / CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH® - species stocked
species present
CO ST — lower limit of distribution
CO ST — upper limit of distribution
PK* — specific site of spawning
SK*, CO, CO — major spawning zone
CM* — upper limit of spawning

FLOW

OBSTRUCTIONS
(measurements included where known)
log jam (persistent)
3F — D = dam, F = falls, R = rock falls, CV = culvert, BD = beaver dam
2C100 — cascade, chute or canyon (height = 2m, length = 100m)

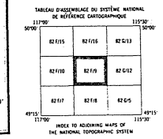
ENHANCEMENT/MANAGEMENT ACTIVITIES
HY — HY = hatchery, FW = fishway, SC = side channel, CH = spawning channel, BX = incubation box, HC = hatchery/spawning channel, CF = counting fence
WSC08FB003 — Water Survey of Canada Gauging Station
300 / C0 — tributary watershed code

SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3



ST. MARY LAKE
82 F/9
EDITION 3

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Updated from aerial photographs taken in 1979, provided by the SURVEYS AND MAPPING BRANCH, MINISTRY OF ENVIRONMENT, BRITISH COLUMBIA. Culture checked 1979. Published in 1981.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1981. Her Majesty the Queen in Right of Canada Department of Energy, Mines and Resources

Roads / Routes

hard surface, all-weather	paved, toute saison
hard surface, all-weather	paved, toute saison
loose or stabilized surface, all-weather	gravel, aggloméré, toute saison
loose surface, dry weather	gravier, temps sec
unclassified streets	rues hors classe
dam, trench	barrage
trail, cut line or portage	sentier, percée ou portage

FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES VOIR AU VERSO

ST. MARY LAKE
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA
Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Yards

Information concerning location and precise elevation of bench marks can be obtained by writing to the Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 50 100 200 300 400 500 600 700 800 900 1000 Metres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 1100 Feet

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

On peut obtenir des renseignements sur le lieu et l'altitude exacte des repères de nivellement en écrivant au Levés géodésiques, Direction des levés et de la cartographie, Ottawa.

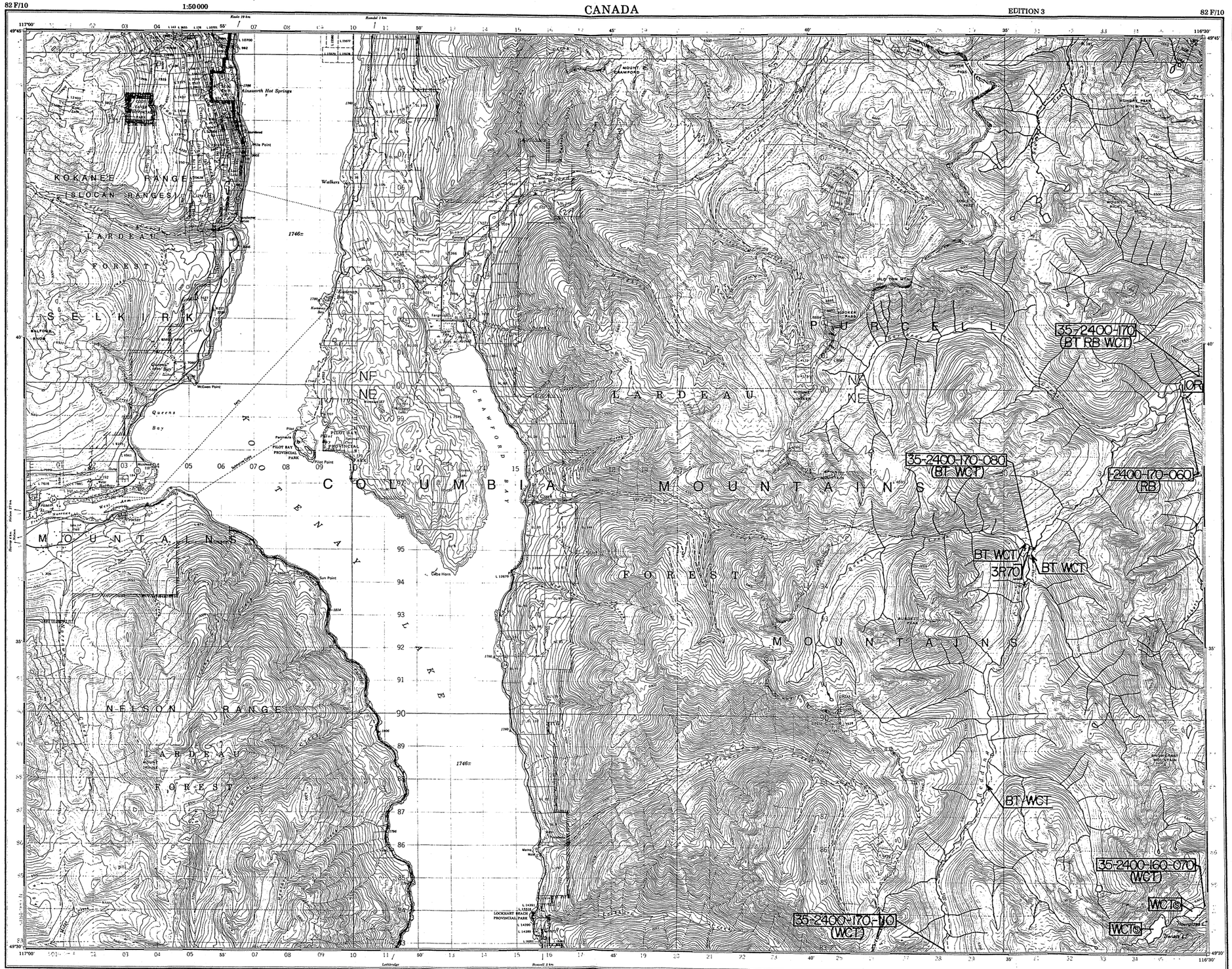
ÉCHELLE DE CONVERSION DES ALTITUDES
Mètres 300 250 200 150 100 50 0
Pieds 1000 900 800 700 600 500 400 300 200 100 0 Pieds

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

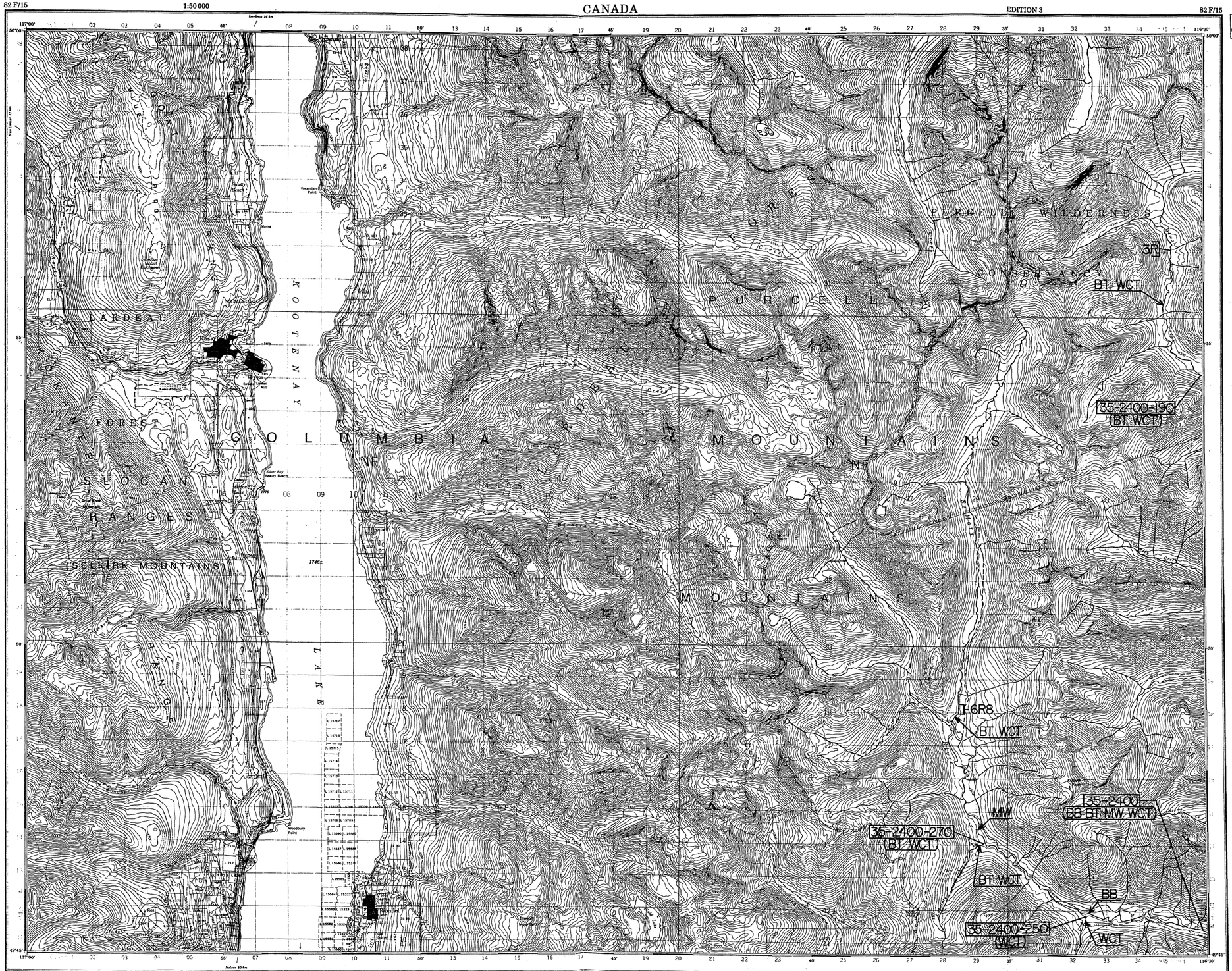
Édité par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1979, prêtées par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ENVIRONNEMENT, COLOMBIE-BRITANNIQUE. Vérification des ouvrages en 1979. Publiée en 1981.

Des cartes sont en vente au Bureau des Cartes du Canada, Ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur de cartes près de chez vous.

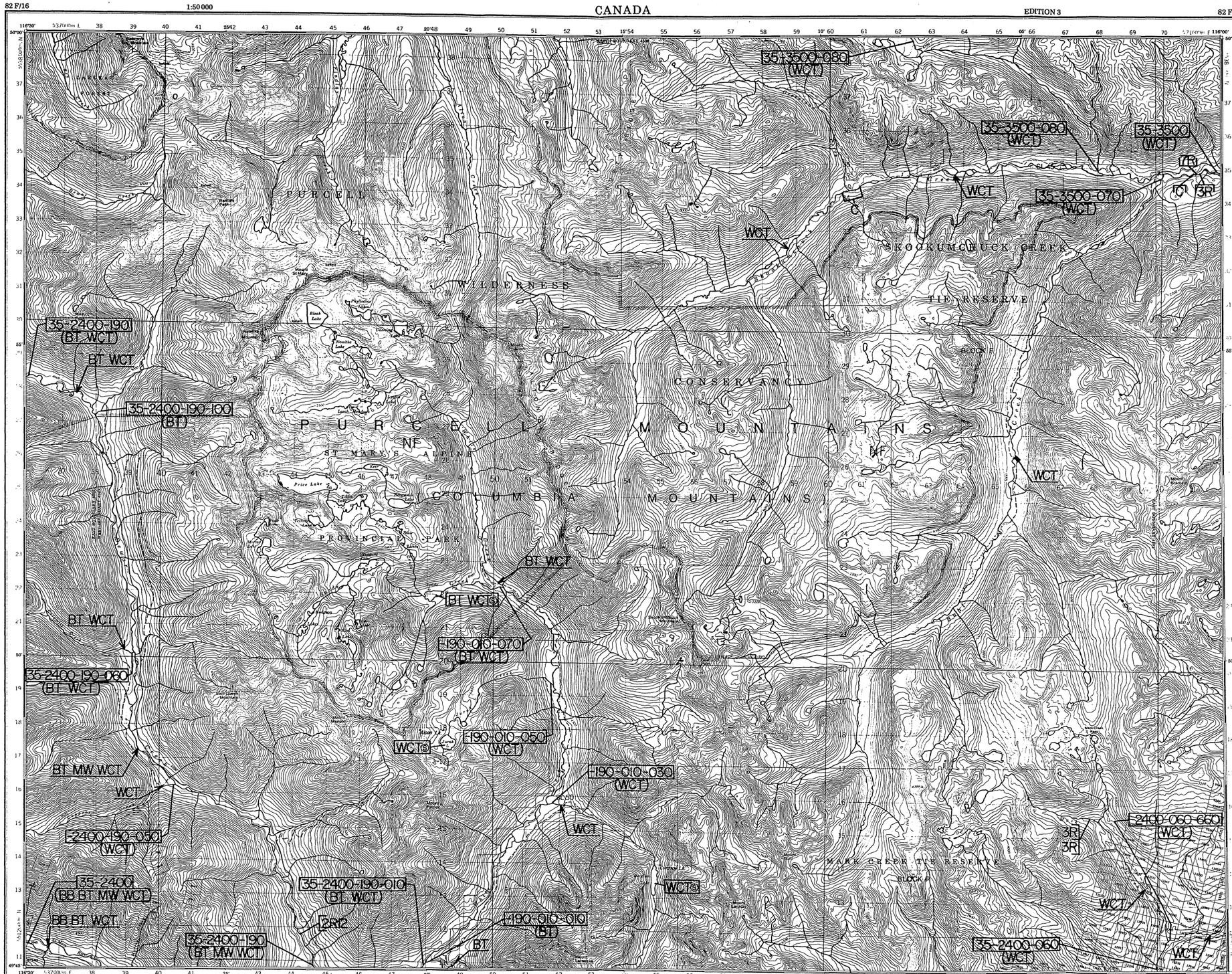
© 1981. Sa Majesté La Reine du Chef du Canada Ministère de l'Énergie, des Mines et des Ressources


KOKANEE RANGE
SELKIRK MOUNTAINS
COLUMBIA MOUNTAINS
NELSON RANGE
PURCELL MOUNTAINS
LARDEAU FOREST
Kootenay Lake
Queens Bay
Pilot Bay
Crawford Bay
Walkers
Ainsworth Hot Springs
Kokanee Glacier Provincial Park
Pilot Bay Provincial Park
Lockhart Beach Provincial Park
Mount Crawford
Sawyer Pass
Old Tom Mtn.
Mount Sproule
Mount Perry
Mount Brennan
Mount Jumbo
Mount Hendryx
Mount Wright
Mount Hobson
Mount Lockhart
Mount Loki
Mount Thor
Mount Odin
Mount Tyrwhitt
Mount Gower
Mount Gore
Mount Gass
Mount Gass Provincial Park
Mount Gimbel
Mount Gimbel Provincial Park
Mount Gimbel Provincial Forest
Mount Gimbel Provincial Forest Recreation Area
Mount Gimbel Provincial Forest Recreation Area Trail
Mount Gimbel Provincial Forest Recreation Area Trail Head
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road Entrance
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance Road Exit
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road Entrance Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance Road Exit Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit Road
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance
Mount Gimbel Provincial Forest Recreation Area Trail Head Parking Lot Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit Road Entrance Road Exit Road

82 F/15 1:50 000 CANADA EDITION 3 82 F/15


PURCELL WILDERNESS CONSERVANCY
PURCELL MOUNTAINS
COLUMBIA MOUNTAINS
SELKIRK MOUNTAINS
LARDEAU
KOOTENAY
SLOCAN RANGES
FOREST
Woodbury Point
Kaslo
Lardeau River
Duncan River
Kootenay Lake
Slocan Lake
Slocan River
Kaslo River
Meadow Creek
Lemon Creek
Retallack
Three Forks
Sandon
Silverton
Slocan
New Denver
Nakusp
Nelson
Trout Lake
Meadow Creek
Galena Bay
Revelstoke
Arrow Lakes
Duncan Lake
Gerrard
Lardeau
Meadow Creek
Crawford Bay
Kootenay Bay
Creston
Cranbrook
Kimberley
Fernie
Golden
Invermere
Radium Hot Springs
Windermere
Canal Flats
Elko
Sparwood
Michel
Natal
Blairmore
Pincher Creek
Cardston
Waterton Lakes
Crowsnest Pass
Coleman
Frank
Bellevue
Hillcrest
Lundbreck
Fort Macleod
Claresholm
Nanton
Vulcan
Okotoks
Turner Valley
Black Diamond
High River
Okotoks
Calgary
Cochrane
Canmore
Banff
Lake Louise
Field
Yoho National Park
Glacier National Park
Mount Revelstoke National Park
Kootenay National Park
Banff National Park
Jasper National Park
Waterton Lakes National Park
Elk Lakes Provincial Park
Top of the World Provincial Park
Valhalla Provincial Park
Goat Range Provincial Park
Gladstone Provincial Park
Kokanee Glacier Provincial Park
Purcell Wilderness Conservancy
Bugaboo Provincial Park
Mount Assiniboine Provincial Park
Height of Land Provincial Park
Crowsnest Provincial Park
Castle Provincial Park
Beaver River Provincial Park
Dutch Creek Provincial Park
Elbow Lake Provincial Park
Bow Valley Provincial Park
Peter Lougheed Provincial Park
Kananaskis Provincial Park
Spray Lakes Provincial Park
Elbow-Sheep Provincial Park
Bluerock Provincial Park
Porcupine Provincial Park
Whiteswan Lake Provincial Park
Premier Lake Provincial Park
Stagleap Provincial Park
Wells Gray Provincial Park
Mount Robson Provincial Park
Mount Terry Fox Provincial Park
Mount Robson Provincial Park
Mount Edith Cavell Provincial Park
Jasper National

82 F/16 1:50 000 CANADA EDITION 3 82 F/16



Military users, refer to this map as: SERIES A 721 SÉRIE; MAP 82 F/16 CARTE; EDITION 3 MCE EDITION
Référence de cette carte pour usage militaire

GLOSSARY GLOSSAIRE

Airfield	Terrain d'aviation
Arena	Arena
City Limits	Limites de ville
Customs	Douane
Ditch	Fossé
Dugout	Abri-caverne
Dump	Dépotoir
Extraction Plant	Usine de fabrication
Gas	Gaz
Golf Course	Terrain de golf
Lumber Yard	Parc à bois
Mine	Mine
Lookout	Belvédère
Mine Waste	Débris de mine
Oil Wells	Puits de pétrole
Park	Parc
Ruins	Ruines
Saw Mill	Scierie
Simon Columns Home	Foyer des 4 Jeunes
Ski Area	Station de ski
Strong Bag	Fondrière à tourbière
Surveyed Line	Ligne arpentée
Tank	Réservoir
Water	Eau
Winter Road	Chemin d'hiver

For a complete glossary see reverse side
Pour un glossaire complet, voir au verso

STREAM INFORMATION SUMMARY SYSTEM (SISS) (EAST KOOTENAYS)

91-2900 / CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH (S) – species stocked
species present
CO ST — lower limit of distribution
CO ST — upper limit of distribution
PK* — specific site of spawning
SK* / CO / CO — major spawning zone
CM* — upper limit of spawning

FLOW

OBSTRUCTIONS (measurements included where known)

3F — log jam (persistent)
D = dam
F = falls
R = rock falls
CV = culvert
BD = beaver dam
2C100 — cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT/MANAGEMENT ACTIVITIES

HY — HY = hatchery
FW = fishway
SC = side channel
CH = spawning channel
BX = incubation box
HC = hatchery/spawning channel
CF = counting fence

WSC08FB003 — Water Survey of Canada Gauging Station

-300 / CO — tributary watershed code

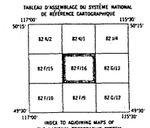
SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
	WCT - West Slope Cutthroat (O. clarki lewisi)
EB - Eastern Brook Trout	YP - Yellow Perch
KO - Kokanee	
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE



INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

DEWAR CREEK
82 F/16
EDITION 3

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Updated from aerial photographs taken in 1978, provided by the SURVEYS AND MAPPING BRANCH, MINISTRY OF ENVIRONMENT, PROVINCE OF BRITISH COLUMBIA. Cultural check 1979. Published in 1981.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1981 Her Majesty the Queen in Right of Canada, Department of Energy, Mines and Resources.

Roads / Routes
Good or Maintained Surface all weather / Bonne surface, dry saisons
Good Surface, dry weather / Bonne surface, temps sec
Unimproved Roads / Voies non Classé
Cart Track / De terre
Trail, Footpath or Portage / Sentier pédestre ou portage
FOR COMPLETE REFERENCE SEE REVERSE SIDE / POUR UNE LISTE COMPLÈTE DES SIGNES VOIR AU VERSO

Kilometres 1000 0 1000 2000 3000 4000 Kilomètres
Yards 1000 0 1000 2000 3000 4000 Yards

Information concerning heights of beach marks can be obtained by writing to the Geodetic Survey, Surveys and Mapping Branch, Ottawa

CONVERSION SCALE FOR ELEVATIONS
Metres 50 0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 Metres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 Feet

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

De petit dénivelé des renseignements sur le lieu et l'altitude marks des niveaux de coordonnées en mètres aux Levés géodésiques, Direction des levés et de la cartographie, Ottawa

ECHELLE DE CONVERSION DES ALTITUDES
Mètres 50 0 50 100 150 200 250 300 Mètres
Pieds 100 50 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 Pieds

EQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord américain, 1927
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1978, gracieuseté de la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ENVIRONNEMENT, COLOMBIE-BRITANNIQUE. Vérification des ouvrages en 1979. Publiée en 1981.

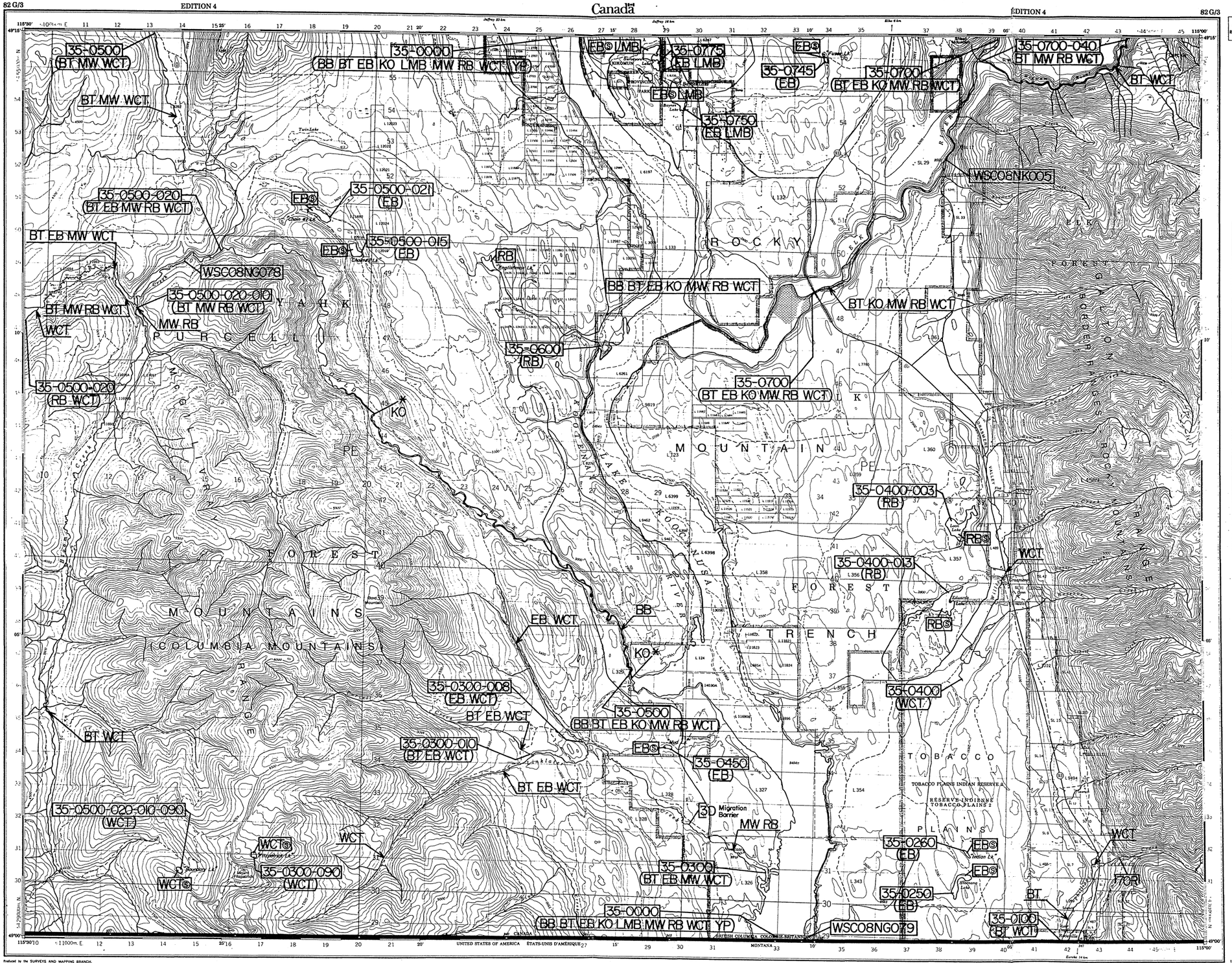
Des cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près

© 1981 Sa Majesté La Reine du Chef du Canada Ministère de l'Énergie, des Mines et des Ressources.

Canada

EDITION 4 82 G/3

Military users, refer to this map as: Référence de cette carte pour usage militaire. SERIES A 721 SÉRIE MAP 82 G/3 CARTE EDITION 4 MCE ÉDITION



STREAM INFORMATION SUMMARY SYSTEM (SISS)
(EAST KOOTENAYS)

91-2900 CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH Ⓢ = species stocked
species present
CO ST — lower limit of distribution
CO ST — upper limit of distribution
PK * — specific site of spawning
SK * / CO / CO — major spawning zone
CM * — upper limit of spawning

FLOW

OBSTRUCTIONS
(measurements included where known)

log jam (persistent)
3F
D = dam
F = falls
R = rock falls
CV = culvert
BD = beaver dam
2C100 — cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT / MANAGEMENT ACTIVITIES

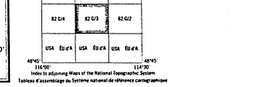
HY
HY = hatchery
FW = fishway
SC = side channel
CH = spawning channel
BX = incubation box
HC = hatchery/spawning channel
CF = counting fence
WSC08FB003 — Water Survey of Canada Gauging Station
300 CO — tributary watershed code

SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3



Index to adjoining Maps of the National Topographic System
Tableau d'assemblage du Système national de références cartographiques

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Digitized from aerial photographs taken in 1979. Culture check 1980. Published in 1984.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1984. Her Majesty the Queen in Right of Canada. Department of Energy, Mines and Resources.

Roads:	Routes:	dual highway double chaussée	more than 2 lanes plus 2 lanes plus de 2 voies	2 lanes 2 voies	less than 2 lanes moins de 2 voies
hard surface	revêtement dur				
loose or stabilized surface, all weather	gravier, aggloméré, toute saison				
loose surface, dry weather	de gravier, temps sec				
unclassified road or street	route non classée ou rue				
cart track	de terre				
trail, Out link or portage	sentier, percée ou portage				

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

LAKE KOOCANUSA
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA COLOMBIE-BRITANNIQUE

Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 / 50 100 150 200 250 300 Metres
Feet 100 50 0 / 100 200 300 400 500 600 700 800 900 1000 Pieds

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Pour tout renseignement concernant les repères et bornes arpentométriques, s'adresser aux bureau géodésiques, Direction des levés et de la cartographie, Ottawa.

ÉCHELLE DE CONVERSION DES ALTITUDES

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain 1927
Projection transverse de Mercator

Levée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1979. Vérification des noms en 1980. Publiée en 1984.

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

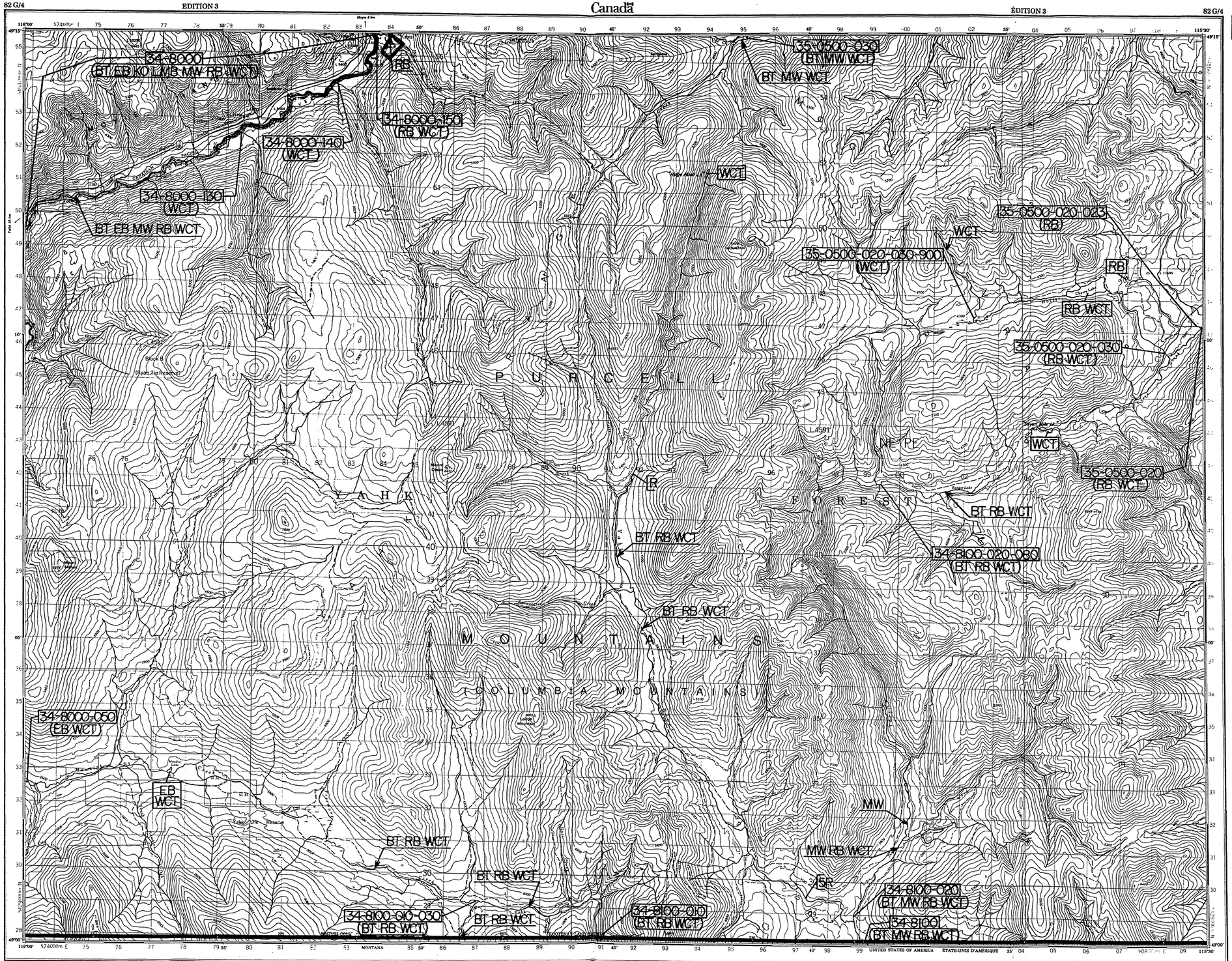
© 1984. Sa Majesté la Reine du Chef du Canada. Ministère de l'Énergie, des Mines et des Ressources.

LAKE KOOCANUSA
82 G/3
EDITION 4 ÉDITION

Energy, Mines and Resources Canada / Énergie, Mines et Ressources Canada

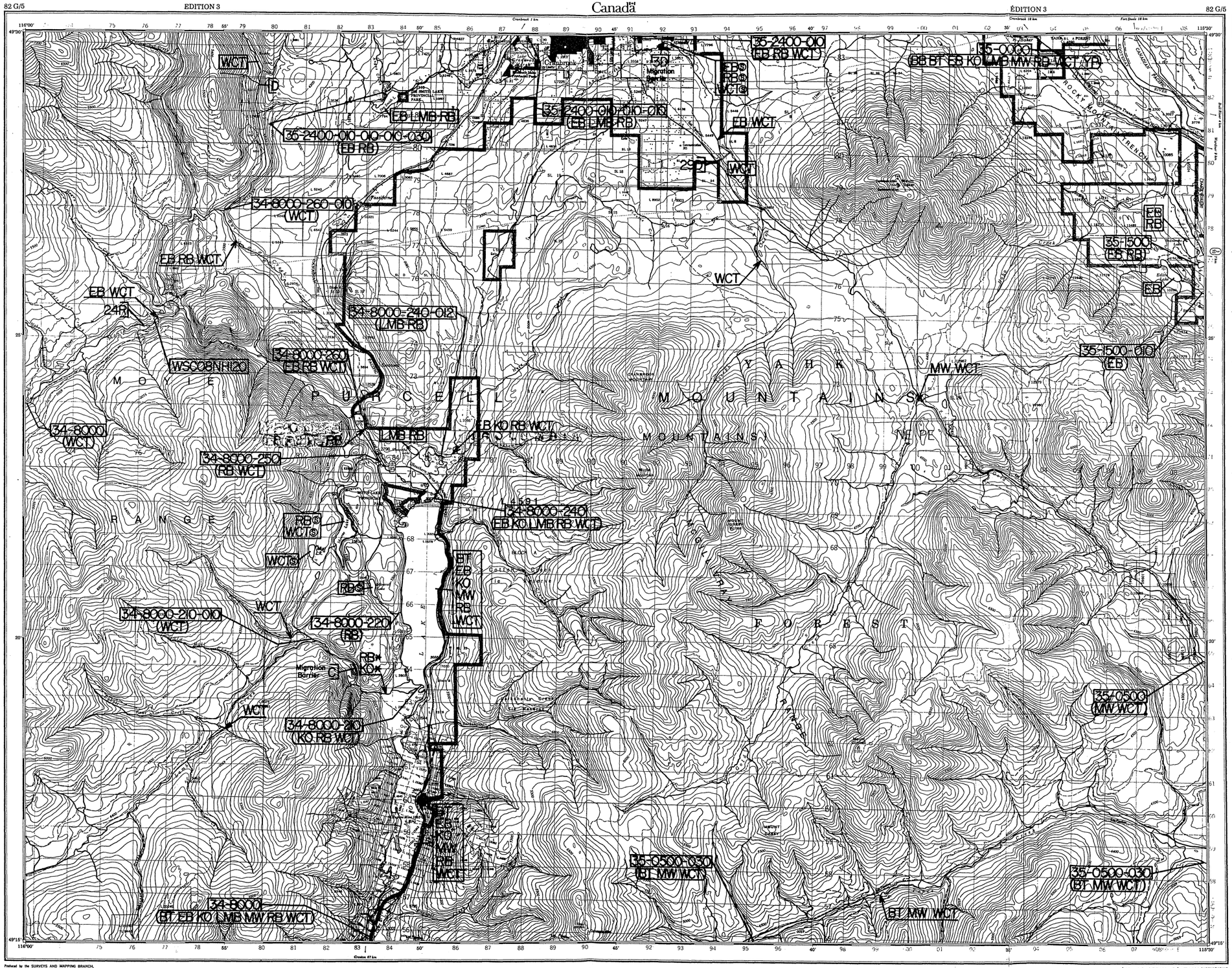
82 G/4 EDITION 3 Canada ÉDITION 3 82 G/4

Military users, refer to this map as: / Référence de cette carte pour usage militaire: SERIES A 721 SÉRIE; MAP 82 G/4 CARTE; EDITION 3 MCE ÉDITION


34-8000
(BT EB KO LMB MW RB WCT)
34-8000-150
(RB WCT)
34-8000-140
(WCT)
34-8000-130
(WCT)
BT EB MW RB WCT
35-0500-030
(BT MW WCT)
BT MW WCT
WCT
35-0500-020-023
(RB)
35-0500-020-030-900
(WCT)
RB
RB WCT
35-0500-020-030
(RB WCT)
35-0500-020
(RB WCT)
WCT
BT RB WCT
34-8100-020-030
(BT RB WCT)
BT RB WCT
BT RB WCT
34-8000-050
(EB WCT)
EB
WCT
BT RB WCT
BT RB WCT
34-8100-010-030
(BT RB WCT)
34-8100-010
(BT RB WCT)
MW
MW RB WCT
15R
34-8100-020
(BT MW RB WCT)
34-8100
(BT MW RB WCT)
P U R C E L L
M O U N T A I N S
(C O L U M B I A M O U N T A I N S)
Y A H K
F O R E S T
Block 8
Wyatt Fire Reserve
Yahk Fire Reserve
Mount Broadwood
Mount Wardner
Mount Ward
Mount Ward
Mount Ward

Canada

Military users refer to this map as: Référence de cette carte pour usage militaire: SERIES A 721 SERIE MAP 82 G/5 CARTE EDITION 3 MCE EDITION



STREAM INFORMATION SUMMARY SYSTEM (SISS)
(EAST KOOTENAYS)

91-2900 / CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH(S) – species stocked
species present
CO ST — lower limit of distribution
CO ST — upper limit of distribution
PK* — specific site of spawning
SK*, CO*, CO* — major spawning zone
CM* — upper limit of spawning

FLOW

OBSTRUCTIONS
(measurements included where known)

log jam (persistent)
3F
D = dam
F = falls
R = rock falls
CV = culvert
BD = beaver dam
2C100 — cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT / MANAGEMENT ACTIVITIES

HY
HY = hatchery
FW = fishway
SC = side channel
CH = spawning channel
BX = incubation box
HC = hatchery/spawning channel
CF = counting fence
WSC08FB003 — Water Survey of Canada Gauging Station
300 / CO — tributary watershed code

SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentia)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Updated from aerial photographs taken in 1979. Culture check 1980. Published in 1984.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1984. Her Majesty the Queen in Right of Canada. Department of Energy, Mines and Resources.

Roads: / Routes:
hard surface ... revêtement dur ... divided highway double chaussée ... more than 2 lanes plus de 2 voies
hard surface ... revêtement dur ... undivided 2 lanes 2 voies ... more than 2 lanes plus de 2 voies
loose or stabilized surface, all weather ... gravier, agglomérés, toute saison ... undivided 2 lanes 2 voies ... more than 2 lanes plus de 2 voies
loose surface, dry weather ... de gravier, temps sec ...
unclassified road or street ... route non classée ou rue ...
cart track ... de terre ...
trail, cut line or portage ... sentier, percée ou portage ...

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

MOYIE LAKE
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA COLOMBIE-BRITANNIQUE

Scale 1:50 000 Échelle
Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Metres

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 200 100 0 50 100 150 200 250 300 Metres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Feets

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Pour tout renseignement concernant les repères et bornes arpentéiques, s'adresser aux levés géodésiques, Direction des levés et de la cartographie, Ottawa.

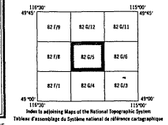
ÉCHELLE DE CONVERSION DES ALTITUDES
Mètres 200 100 0 50 100 150 200 250 300 Mètres
Pieds 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

EQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établi par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1979, vérification des ouvrages en 1980. Publié en 1984.

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

© 1984. Sa Majesté La Reine du Chef du Canada. Ministère de l'Énergie, des Mines et des Ressources.



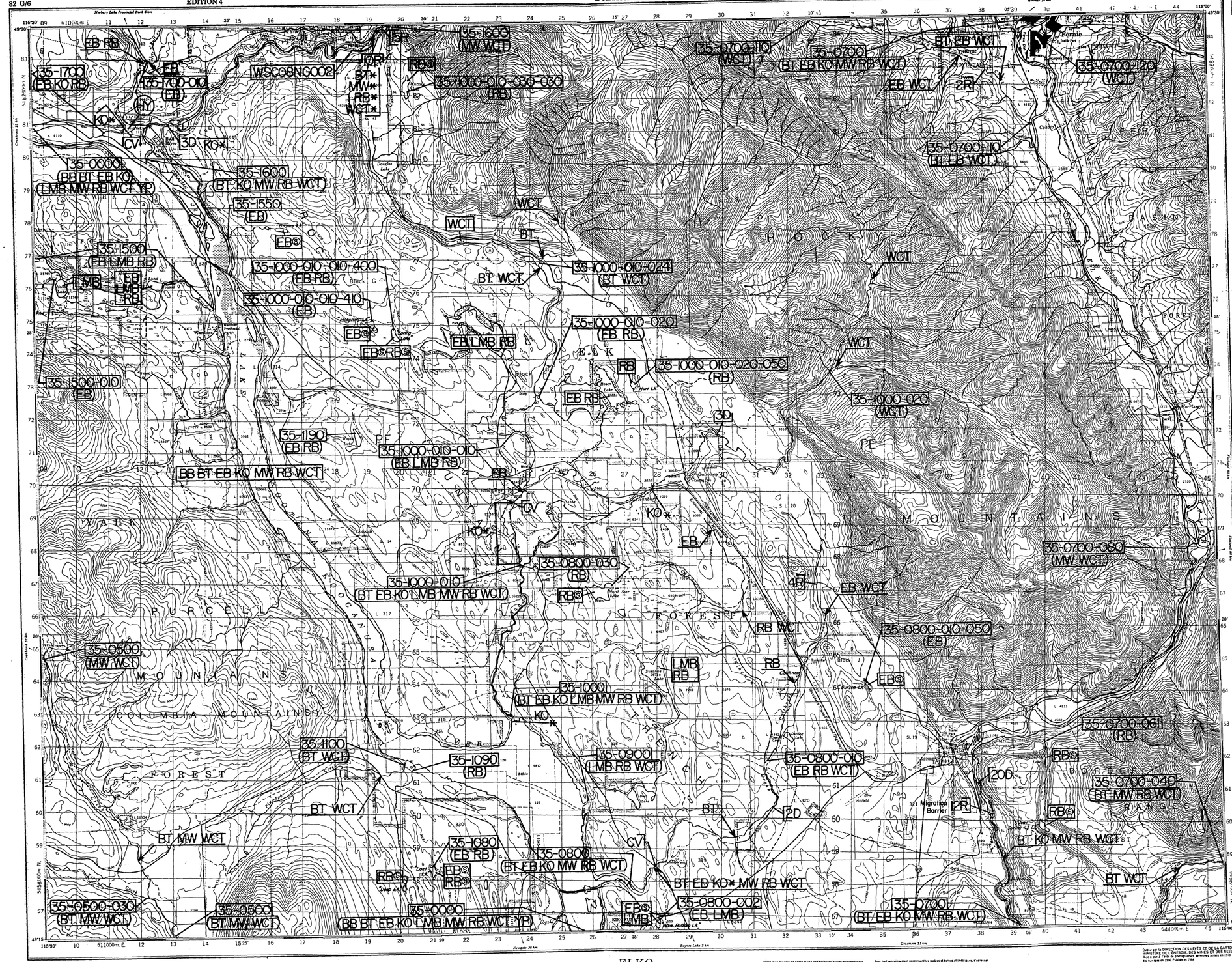
MOYIE LAKE
82 G/5
EDITION 3 EDITION

Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

Canada

82 G/6 EDITION 4

Military users, refer to this map as | SERIES A 721 SERIE | MAP 82 G/6 CARTE | EDITION 4 MCE EDITION
Référence de cette carte pour usage militaire



STREAM INFORMATION SUMMARY SYSTEM (SISS) (EAST KOOTENAYS)

91-2900 / CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH® – species stocked
species present
CO ST — lower limit of distribution
CO ST — upper limit of distribution
PK* — specific site of spawning
SK*, CO, CO — major spawning zone
CM* — upper limit of spawning

OBSTRUCTIONS (measurements included where known)

log jam (persistent)
3F — D = dam, F = falls, R = rock falls, CV = culvert, BD = beaver dam
2C100 — cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT / MANAGEMENT ACTIVITIES

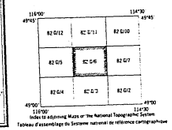
HY — HY = hatchery, FW = fishway, SC = side channel, CH = spawning channel, BX = incubation box, HC = hatchery/spawning channel, CF = counting fence
WSC08FB003 — Water Survey of Canada Gauging Station
-300 / CO — tributary watershed code

SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3



Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Digitized from aerial photographs taken in 1979. Culture check 1980. Published in 1984.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1984 Her Majesty the Queen in Right of Canada, Department of Energy, Mines and Resources.

Roads / Routes

	Dual highway / Route à chaussées séparées	Road 2 lanes, more than 7 metres wide / Route à 2 voies, plus de 7 mètres de large	Road 2 lanes, less than 7 metres wide / Route à 2 voies, moins de 7 mètres de large
hard surface / revêtement dur			
loose or stabilized surface, all weather / gravier, agglomérés, toute saison			
loose surface, dry weather / non graveled, temps sec			
unclassified road or street / route non classée ou rue			
dirt track / de terre			
trail, cut line or portage / sentier, percée ou portage			

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

ELKO
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA COLOMBIE-BRITANNIQUE

Scale 1:50 000 Échelle
Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres

Information concerning bench marks and horizontal survey monuments can be obtained from Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0
Feet 100 50 0
CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

Pour tout renseignement concernant les repères de bornes arithmétiques, s'adresser aux levés photoaériens, Direction des levés et de la cartographie, Ottawa.

ÉCHELLE DE CONVERSION DES ALTITUDES
Mètres 300 200 100 0
Pieds 1000 900 800 700 600 500 400 300 200 100 0
ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain 1927
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à partir de photographies aériennes prises en 1979. Vérification des noms en 1980. Publiée en 1984.

Ces cartes sont en vente au Bureau des Cartes du Canada, Ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

© 1984 Sa Majesté la Reine du Chef du Canada, Ministère de l'Énergie, des Mines et des Ressources.

ELKO
82 G/6
EDITION 4 EDITION

Energy, Mines and Resources Canada
Energie, Mines et Ressources Canada

Military users, refer to this map as: Référence de cette carte pour usage militaire: SERIES A 721 SÉRIE MAP 82 G/12 CARTE EDITION 3 MCE ÉDITION

GLOSSARY GLOSSAIRE

Airfield	Terrain d'aviation
Arena	Arena
City Limits	Limites de ville
Contours	Courbe
Ditch	Fossé
Dugout	Abreuvoir
Dump	Dépotoir
Filtration Plant	Usine de filtration
Gas	Gaz
Golf Course	Terrain de golf
Junk Yard	Ferraille
Kiln	Four
Lookout	Belvédère
Mine Waste	Débris de mine
Oil Wells	Puits de pétrole
Park	Parc
Ruin	Patrimoine
Sewer Columns Home	Foyer de l'âge d'or
Ski Area	Station de ski
Strong Bog	Fondrière à filaments
Surveyed Line	Ligne arpentée
Tank	Réservoir
Water	Eau
Winter Road	Chemin d'hiver

For a complete glossary see reverse side
Pour un glossaire complet, voir au verso

STREAM INFORMATION SUMMARY SYSTEM (SISS) (EAST KOOTENAYS)

91-2900 CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH (S) – species stocked
species present
CO ST — lower limit of distribution
CO ST — upper limit of distribution
PK* — specific site of spawning
SK* CO CO — major spawning zone
CM* — upper limit of spawning

OBSTRUCTIONS (measurements included where known)

FLOW
3F — log jam (persistent)
D = dam
F = falls
R = rock falls
CV = culvert
BD = beaver dam
2C100 — cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT/MANAGEMENT ACTIVITIES

(HY) — HY = hatchery, FW = fishway, SC = side channel, CH = spawning channel, BX = incubation box, HC = hatchery/spawning channel, CF = counting fence
WSC08FB003 — Water Survey of Canada Gauging Station
300 CO — tributary watershed code

SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE

INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

CRANBROOK
82 G/12
EDITION 3

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Isolated from aerial photographs taken in 1977, provided by the FOREST RESOURCE DEVELOPMENT BRANCH, MINISTRY OF ENVIRONMENT, BRITISH COLUMBIA. Culture checked 1979. Published in 1980.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1980. Her Majesty the Queen in Right of Canada. Department of Energy, Mines and Resources.

Roads — Routes

	Hard Surface / Revêtue	Loose (Dry) / Non revêtue (sec)
Hard surface, all weather ..... pavée, toute saison	2 lanes / 2 voies	less than 2 lanes / moins de 2 voies
Hard surface, all weather ..... pavée, toute saison	2 lanes / 2 voies	less than 2 lanes / moins de 2 voies
loose or stabilized surface, all weather .. gravier, aggloméré, toute saison	2 lanes or more / 2 voies ou plus	less than 2 lanes / moins de 2 voies
loose surface, dry weather ..... de gravier, temps sec		
unclassified streets	rues hors classe	
cart track	de terre	
trail, cut line or portage	sentier, percée ou portage	

FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

CRANBROOK
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA
Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Milles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

Information concerning location and precise elevation of bench marks can be obtained by writing to the Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 50 100 200 300 400 500 600 700 800 900 1000 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 Pieds

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

On peut obtenir des renseignements sur le lieu et l'altitude exacte des repères de nivellement en écrivant aux Levés géodésiques, Direction des levés et de la cartographie, Ottawa.

ÉCHELLE DE CONVERSION DES ALTITUDES
Mètres 30 20 10 0 50 100 150 200 250 300 Mètres
Pieds 100 50 0 100 200 300 400 500 600 700 800 900 1000 Pieds

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établi par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Isolé à partir de photographies aériennes prises en 1977, fournies par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ENVIRONNEMENT, COLOMBIE-BRITANNIQUE. Vérification des ouvrages en 1979. Publié en 1980.

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

© 1980. Sa Majesté la Reine du Chef du Canada. Ministère de l'Énergie, des Mines et des Ressources

Military users, refer to this map as: Référence de cette carte pour usage militaire: SERIES A 721 SÉRIE
MAP 82 G/13 CARTE
EDITION 3 MCE ÉDITION

GLOSSARY GLOSSAIRE

Airfield	Terrain d'aviation
Arena	Arena
Gravel pit	Carrière de gravier
Cemetery	Cimetière
Church	Église
Dugout	Abreuvoir
Dump	Dépotoir
Filtration Plant	Usine de filtration
Gas	Gaz
Golf Course	Terrain de golf
Junk Yard	Ferraille
Kiln	Four
Lookout	Belvédère
Mine Waste	Déblai de mine
Oil Wells	Puits de pétrole
Park	Parc
Ruin	Vestiges
Senior Citizens Home	Foyer de 3ge d'or
Ski Area	Station de ski
Skating Rink	Patinoire à l'intempérie
Surveyed Line	Ligne arpentée
Tank	Réservoir
Water	Eau
Winter Road	Chemin d'hiver

For a complete glossary see reverse side
Pour un glossaire complet voir au verso

STREAM INFORMATION SUMMARY SYSTEM (SISS)
(EAST KOOTENAYS)

91-2900 / CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH(S) = species stocked
species present

CO ST — lower limit of distribution

CO ST — upper limit of distribution

PK* — specific site of spawning

SK* / CO / CO — major spawning zone

CM* — upper limit of spawning

FLOW

OBSTRUCTIONS
(measurements included where known)

3F — log jam (persistent)
D = dam
F = falls
R = rock falls
CV = culvert
BD = beaver dam

2C100 — cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT / MANAGEMENT ACTIVITIES

(HY) — HY = hatchery
FW = fishway
SC = side channel
CH = spawning channel
BX = incubation box
HC = hatchery/spawning channel
CF = counting fence

WSC08FB003 — Water Survey of Canada Gauging Station

-300 / CO — tributary watershed code

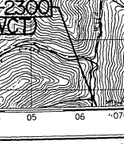
SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE



INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

SKOOKUMCHUCK
82 G/13
EDITION 3

SKOOKUMCHUCK
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA
WEST OF FIFTH MERIDIAN - OUEST DU CINQUIÈME MÉRIDIEN
Scale 1:50 000 Échelle

Prepared by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, Updated from aerial photographs taken in 1977. Culture check 1979. Published in 1980.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1980 Her Majesty the Queen in Right of Canada, Department of Energy, Mines and Resources.

Roads — Routes:

		Dual highways / 2 Chaussées séparées	Main roads / 2 voies	Secondary roads / Routes de 2 voies	Trails / Sentiers
hard surface, all weather	pavée, toute saison				
hard surface, all weather	pavée, toute saison	2 lanes / 2 voies			
loose or stabilized surface, all weather	gravier, agglomeré toute saison	2 lanes or more / 2 voies ou plus	2 lanes / 2 voies	less than 2 lanes / Routes de 2 voies	
loose surface, dry weather	de gravier, temps sec			less than 2 lanes / Routes de 2 voies	
unclassified streets	rues non classé				
dirt track	de terre				
trail, cut line or portage	sentier, percée ou portage				

FOR COMPLETE REFERENCE SEE REVERSE SIDE — POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

Information concerning location and precise elevation of bench marks can be obtained by writing to the Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 / Feet 100 50 0 — 50 100 150 200 250 300 400 500 600 700 800 900 1000 Feet

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

On peut obtenir des renseignements sur le lieu et l'altitude exacte des marques de nivellement en écrivant au Levés géodésiques, Direction des levés et de la cartographie, Ottawa.

ÉCHELLE DE CONVERSION DES ALTITUDES
Mètres 30 20 10 0 / Pieds 100 50 0 — 50 100 150 200 250 300 400 500 600 700 800 900 1000 Pieds

ÉQUIDISTANCE DES COURBES 100 PIEDS
Altitudes en pieds
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1977. Vérification des travaux en 1979. Publiée en 1980.

Des cartes sont en vente au Bureau des Cartes du Canada, Ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

© 1980 Sa Majesté la Reine du Chef du Canada, Ministère de l'Énergie, des Mines et des Ressources.

82 J/4 1:50,000 CANADA EDITION 2 82 J/4

Military users refer to this map as Référence de cette carte pour usage militaire

SERIES A 721 SÉRIE
MAP 82 J-4 CARTE
EDITION 2 MCE EDITION

STREAM INFORMATION SUMMARY SYSTEM (SISS)

(EAST KOOTENAYS)

91-2900 (CO CM ST) Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH ⓢ - species stocked
species present
CO ST lower limit of distribution
CO ST upper limit of distribution
PK * specific site of spawning
SK * CO * CO * major spawning zone
CM * upper limit of spawning

OBSTRUCTIONS
(measurements included where known)
FLOW
log jam (persistent)
3.F D = dam, F = falls, R = rock falls, CV = culvert, BD = beaver dam
2C100 cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT / MANAGEMENT ACTIVITIES
HY = hatchery
FW = fishway
SC = side channel
CH = spawning channel
BX = incubation box
HC = hatchery/spawning channel
CF = counting fence
WSC08FB003 Water Survey of Canada Gauging Station
300 CO tributary watershed code

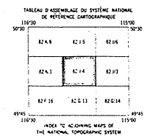
SPECIES ABBREVIATION LIST

AF - All Fish
BB - Burbot
BS - Bass (general)
BT - Bull Trout (Salvelinus confluentis)
EB - Eastern Brook Trout
KO - Kokanee
LMB - Large Mouth Bass
MW - Mountain Whitefish
RB - Rainbow Trout
SG - Sturgeon
TR - Trout
WCT - West Slope Cutthroat (O. clarki lewisi)
YP - Yellow Perch

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE



INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

CANAL FLATS
82 J/4
EDITION 2

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Updated from aerial photographs taken in 1972 Culture check 1975. Information current as of 1975

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© Crown Copyrights Reserved 1977

Roads
Hard surface, all weather ... paved, toute saison ... dual highway, autoroute, 2 chaussées séparées, more than 2 lanes, plus de 2 voies, 2 lanes, 2 voies
Hard surface, all weather ... paved, toute saison ... 2 lanes, 2 voies, less than 2 lanes, moins de 2 voies
Loose or stabilized surface, all weather ... gravel, aggloméré, toute saison ... 2 lanes or more, 2 voies ou plus, less than 2 lanes, moins de 2 voies
Loose surface, dry weather and uncrushed streets ... de gravier, temps sec et rues hors d'selvol ...
Earth track ... de terre ...
Trail, canoe route or portage ... sentier, pierdre ou portage ...

FOR COMPLETE REFERENCE SEE REVERSE SIDE. POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

Routes
Dual highway, autoroute, 2 chaussées séparées
Hard surface, all weather, paved, toute saison
Loose or stabilized surface, all weather, gravel, aggloméré, toute saison
Trail

CANAL FLATS
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA
Scale 1:50,000 Échelle

Miles 1 inch = 1 mile
Metres 1000 0 1000 2000 3000 4000 Metres
Feet 1000 0 1000 2000 3000 4000 Yards

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élevations en pieds au dessus du niveau moyen de la mer
Système de référence: données nord-américaines, 1927
Projection transverse de Mercator

Basée sur la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1972. Vérification des ouvrages en 1975. Renseignements à jour en 1975

Des cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus proche.

© Canada 1977. Tous droits réservés

Military users, refer to this map as: Référence de cette carte pour usage militaire: SERIES A 721 SÉRIE MAP 82 K/1 CARTE EDITION 2 MCE ÉDITION

GLOSSARY GLOSSAIRE

Airfield	Terrain d'aviation
Arena	Arena
City Limits	Limites des villes
Customs	Douane
Ditch	Fossé
Dugout	Abreuvoir
Dump	Dépotoir
Filtration Plant	Usine de filtration
Gas	Gaz
Golf Course	Terrain de golf
Junk Yard	Ferraille
Kiln	Four
Lookout	Belvédère
Mine Waste	Débris de mine
Oil Wells	Puits de pétrole
Park	Parc
Rink	Patinoire
Senior Citizens Home	Foyer de l'âge d'or
Ski Area	Station de ski
Strong Rig	Fondrière à filaments
Surveyed Line	Ligne arpentée
Tank	Réservoir
Water	Eau
Winter Road	Chemin d'hiver

For a complete glossary see reverse side
Pour un glossaire complet, voir au verso

STREAM INFORMATION SUMMARY SYSTEM (SISS) (EAST KOOTENAYS)

91-2900 / CO CM ST — Watershed Code and Species Summary

SPECIES INFORMATION

SK CO PK CM CH(S) – species stocked
species present
CO ST — lower limit of distribution
CO ST — upper limit of distribution
PK * — specific site of spawning
SK * / CO / CO — major spawning zone
CM * — upper limit of spawning
FLOW

OBSTRUCTIONS (measurements included where known)

3F — log jam (persistent)
D = dam
F = falls
R = rock falls
CV = culvert
BD = beaver dam
2C100 — cascade, chute or canyon (height = 2m, length = 100m)

ENHANCEMENT/MANAGEMENT ACTIVITIES

(HY)
HY = hatchery
FW = fishway
SC = side channel
CH = spawning channel
BX = incubation box
HC = hatchery/spawning channel
CF = counting fence

WSC08FB003 — Water Survey of Canada Gauging Station

300 / CO — tributary watershed code

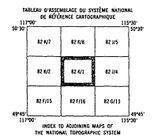
SPECIES ABBREVIATION LIST

AF - All Fish	MW - Mountain Whitefish
BB - Burbot	RB - Rainbow Trout
BS - Bass (general)	SG - Sturgeon
BT - Bull Trout (Salvelinus confluentis)	TR - Trout
EB - Eastern Brook Trout	WCT - West Slope Cutthroat (O. clarki lewisi)
KO - Kokanee	YP - Yellow Perch
LMB - Large Mouth Bass	

This Stream Information Summary map complements a companion Stream Summary Catalogue, organized by DFO Subdistrict. Maps and files are organized by watershed code.

COMPILED and DRAFTED
MAY 1991
by
SHIP Environmental Consultants Ltd.
1281 Fairfield Rd., Victoria, B.C. V8V 3B3

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE



INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM

Produced by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA from aerial photographs taken in 1976. Culture check 1977. Information current as of 1977.

Copies may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or your nearest map dealer.

© 1979. Her Majesty the Queen in Right of Canada. Department of Energy, Mines and Resources.

Roads: Routes:
loose or stabilized surface, all weather ..... gravier, aggloméré, toute saison ..... 2 lanes or more / 2 voies ou plus ..... less than 2 lanes / moins de 2 voies
loose surface, dry weather ..... de gravier, temps sec .....
unclassified streets ..... rues Hors classe .....
cart track ..... de terre .....
trail, cut line or portage ..... sentier, percée ou portage .....

FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO

FINDLAY CREEK
KOOTENAY LAND DISTRICT
BRITISH COLUMBIA

Scale 1:50,000 Échelle

Miles 1 0 1 2 3 Miles
Metres 1000 0 1000 2000 3000 4000 Mètres
Yards 1000 0 1000 2000 3000 4000 Verges

Information concerning locations and precise elevation of bench marks can be obtained by writing to the Geodetic Survey, Surveys and Mapping Branch, Ottawa.

CONVERSION SCALE FOR ELEVATIONS
Metres 30 20 10 0 50 100 150 200 250 300 Mètres
Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000 Feet

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

On peut obtenir des renseignements sur la lieu et l'altitude exacte des repères de nivellement en écrivant aux Levés géodésiques, Direction des levés et de la cartographie, Ottawa.

ÉCHELLE DE CONVERSION DES ÉLÉVATIONS

ÉQUIDISTANCE DES COURBES 100 PIEDS
Élevations en pieds au-dessus du niveau moyen de la mer
Système de référence géodésique nord-américain, 1927
Projection transverse de Mercator

Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES. Mise à jour à l'aide de photographies aériennes prises en 1976. Vérification des ouvrages en 1977. Renseignements à jour en 1977.

Ces cartes sont en vente au Bureau des Cartes du Canada, ministère de l'Énergie, des Mines et des Ressources, Ottawa, ou chez le vendeur le plus près.

© 1979. Sa Majesté La Reine du Chef du Canada. Ministère de l'Énergie, des Mines et des Ressources.

FINDLAY CREEK
82 K/1
EDITION 2