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FISS Report

Gazetted Name : LITTLE HORSEFLY RIVER
 Watershed Code : 160-635400-14100
 Waterbody Identifier : 00000HORS
 Region : 5
 Alias :
 Type : S
 Report created on : [Thu May 13 14:04:15 PDT 2010](#)

Water Quality Stations

No records found

Water Survey Stations

Station ID	Geo Ref 1	Geo Ref 2
08KH008	P 093A06 25	
08KH025	P 093A06 5059	

Management Objectives

Habitat Type	Objective 1	Objective 2
Anadromous River		

Enhancement

Activity	Start Year	Finish Year	Species Name	Comments	Reference Number	Geo Ref 1	Geo Ref 2
110 Water Quality and Quantity	1945	1958		(WATER SURVEY OF CANADA STATION.)	WSCANDB	P 093A06 25	
1213 Spawning	1981	1981			5654	P 093A06	

Gravel Placement							5083		
1214 Gravel Cleaning	1986	1986				5643	P 093A06 5083		
1214 Gravel Cleaning	1986	1986				5643	P 093A06 5084		
1214 Gravel Cleaning	1986	1986				5643	P 093A06 5085		
1214 Gravel Cleaning	1986	1986				5643	P 093A06 5086		
1214 Gravel Cleaning	1986	1986				5643	P 093A06 5087		
110 Water Quality and Quantity	1981	1983		Surface water was sampled for pH, alkalinity and metals between 1981 and 1983.		29G-46	P 093A06 345981		
1213 Spawning Gravel Placement	1980			GRAVEL PLACEMENT.		29G-42	W 49403		
1214 Gravel Cleaning	1985			100 cu.yds. OF GRAVEL SCARIFICATION		29G-41	W 49403		
210 Biophysical Surveys (unspecified)	0999			WASTE MANAGEMENT BRANCH, WILLIAMS LAKE, HAS INFORMATION ON WATER QUALITY.		29G-42	W 49403		

Harvests and Uses

No records found

Resource Use

Sector	Catch (High / Low)	Catch (mean)	Effort (high / low)	Effort (mean)	Season	Comments	Start / End Year	Reference Number	Geo Ref 1	Geo Ref 2
Guides /			2 / 2	2			1918 / 1918	SUM-1	W 49403	
Guides /			2 / 2	2			1993 / 1993	SUM-1	W 49403	

Resource Values

No records found

Resource Sensitivities

No records found

Land Use

Description	Comments	Reference Number	Geo Ref 1	Geo Ref 2
Agriculture		29G-42	W 49403	
Bridge	3 BRIDGES.	29G-43	W 49403	
Forestry	4% OF WATERSHED; 5.5% OF FORESTED LAND CUT.	EW294	W 49403	
Forestry	MINOR LOGGING ACTIVITY.	29G-43	W 49403	
Land use (general/unspecified land use)		EW294 EW298	W 49403	
Urban development	COMMUNITY OF HORSEFLY LAKE.	29G-43	W 49403	

Fisheries Potentials and Constraints

Activity	Impact	Degree of Impact	Comments	Species Name	Reference Number	Geo Ref 1	Geo Ref 2
511 High Temperature	Not identified as either potential or constraint	Not Specified	WARMER THAN HORSEFLY RIVER.		29G-4	W 49403	
711 Quantity/Amount (SPAWNING HABITAT)	Describing constraint for increasing fisheries production	Low	VERY POOR SPAWNING STREAM.		29G-2	W 49403	

Obstructions

No records found

Escapements

Species Name	Stock	Ten Year Start / End	Ten Year Mean / Max	Max Esc Year	Max. Escapements	Target esc.	Reference Number	Geo Ref 1	Geo Ref 2
Sockeye Salmon		1984 / 2000	7933 / 35570	35570	35570		NUSEDS-SUM	W 49403	
Sockeye Salmon		1989 / 1998	12265 / 35570	35570	35570		DFO_ESC	W 49403	

Fish Distributions

Species Name	Stock / Stock Type	Stock Char	Management Class	Activity	Comments	Refs And Dates	Geo Ref 1	Geo Ref 2
Kokanee	/ NOT SPECIF	Not Specif	Not Specified	OBL Fish observed at this point or zone		(5136, 01-MAY-1970)	W 49403	
Kokanee	/ NOT SPECIF	Not Specif	Not Specified	SPL Spawning location	SPAWN THROUGHOUT.	(29G-42, 01-JAN-1986) (SISSM01, 01-JAN-1995)	U 093A06 20	D 093A06 19
Kokanee	/ NOT SPECIF	Not Specif	Not Specified	SPM Major spawning location	MAJOR SPAWNING ZONE.	(29G-42, 01-JAN-1986)	U 093A06 22	D 093A06 5086
Kokanee	/ NOT SPECIF	Not Specif	Not Specified	SPM Major spawning location	MAJOR SPAWNING ZONE.	(29G-42, 01-JAN-1986)	U 093A06 24	D 093A06 23
Kokanee	/ NOT SPECIF	Not Specif	Not Specified	SPM Major spawning location	MAJOR SPAWNING ZONE.	(29G-42, 01-JAN-1986)	U 093A06 26	D 093A06 25
Kokanee	/ NOT SPECIF	Not Specif	Not Specified	SPM Major spawning location		(SISSM01, 01-JAN-1995)	U 093A06 20	D 093A06 19
Lake Trout	/ NOT SPECIF	Not Specif	Not Specified	OBL Fish observed at this point or zone		(5136, 01-MAY-1970)	W 49403	
Longnose Sucker	/ NOT SPECIF	Not Specif	Not Specified	OBL Fish observed at this point or zone		(5137, 01-MAY-1972)	W 49403	
Minnow	/ NOT			OBL Fish observed			W	

(General)	SPECIF	Not Specif	Not Specified	at this point or zone		(5057, 01-JAN-1996)	49403		
Mountain Whitefish	/ NOT SPECIF	Not Specif	Not Specified	OBL Fish observed at this point or zone		(29G-44, 01-JAN-1986) (5137, 01-MAY-1972)	W 49403		
Northern Pikeminnow (formerly N. Squawfish)	/ NOT SPECIF	Not Specif	Not Specified	OBL Fish observed at this point or zone		(5057, 01-JAN-1996) (5137, 01-MAY-1972)	W 49403		
Rainbow Trout	/ NOT SPECIF	Not Specif	Not Specified	OBL Fish observed at this point or zone		(5136, 01-MAY-1970)	W 49403		
Rainbow Trout	/ NOT SPECIF	Not Specif	Not Specified	SPM Major spawning location	SPAWNING UPSTREAM OF GRUHS LAKE TO HORSEFLY LAKE.	(29G-41, 01-JAN-1986)	U 093A06 24	D 093A06 23	
Sockeye Salmon	/ NOT SPECIF	Anadromous	Not Specified	SPM Major spawning location	MAJOR SPAWN AREA BETWEEN GRUHS LAKE AND LITTLE HORSEFLY LAKE.	(29G-2, 01-JAN-1980)	U 093A06 24	D 093A06 23	
Sockeye Salmon	/ NOT SPECIF	Anadromous	Not Specified	SPM Major spawning location		(29G-2, 01-JAN-1980)	U 093A06 20	D 093A06 19	
Sucker (General)	/ NOT SPECIF	Not Specif	Not Specified	OBL Fish observed at this point or zone		(29G-44, 01-JAN-1986) (5057, 01-JAN-1996)	W 49403		
Whitefish (General)	/ NOT SPECIF	Not Specif	Not Specified	OBL Fish observed at this point or zone		(5057, 01-JAN-1996)	W 49403		

Species and Life Phase History

Species Name	Stock	Comments	Reference Number	Geo Ref 1	Geo Ref 2
Kokanee			DFO_HIST	W 49403	
Rainbow Trout			DFO_HIST	W 49403	
Sockeye Salmon			DFO_HIST	W 49403	

The activity period for any species is divided into two blocks of day 1-15 and day 16 to month end. Match the activity period of the species you are interested in to the corresponding period on the calendar provided.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec												
Migration	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Spawning	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Incubation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Rearing	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Species Name	Activity	Life Cycle Stage	Time of Year
Kokanee	X	Spawning	18
Kokanee	X	Spawning	19
Rainbow Trout	X	Spawning	8
Rainbow Trout	X	Spawning	9
Rainbow Trout	X	Spawning	10
Sockeye Salmon	X	Migration	16
Sockeye Salmon	X	Spawning	17
Sockeye Salmon	X	Incubation	1
Sockeye Salmon	X	Incubation	2
Sockeye Salmon	X	Incubation	3
Sockeye Salmon	X	Incubation	4
Sockeye Salmon	X	Incubation	5
Sockeye Salmon	X	Incubation	6
Sockeye Salmon	X	Incubation	18
Sockeye Salmon	X	Incubation	19
Sockeye Salmon	X	Incubation	20
Sockeye Salmon	X	Incubation	21
Sockeye Salmon	X	Incubation	22
Sockeye Salmon	X	Incubation	23
Sockeye Salmon	X	Incubation	24

You can match the activity code for a species to the table below for more detailed information.

Code	Description
X	Activity occurring

Fiss References

Search EcoCat for keywords: [LITTLE HORSEFLY RIVER](#)

Reference Number : DFP001
 Title : Addition of zones & points re: FISS maps for fish distribution for G.I.S. display purposes
 Description : Addition of zones & points re: FISS maps for fish distribution for G.I.S. display purposes
 Location : MELP, Fisheries Branch, Victoria
 Reference code : Unpublished Government Report
 Year : 1995
 Author : PHILIP, D.F.

Reference Number :	29G-2
Title :	Catalogue of salmon streams and spawning escapements of Cariboo Subdistrict. Can. Data Rep. Fish. Aquat. Sci. 211:51p. 1980
Description :	CH; CM; CO; flow; obstructions; PK; spawning; SK
Location :	DFO - FRASER R., NORTHERN B.C. YUKON DIVISION - NEW WEST
Reference code :	Government Report
Year :	1980
Author :	MANZON, C.I.

Reference Number : 29G-2
 Title : Catalogue of salmon streams and spawning escapements of Cariboo Subdistrict. Can. Data Rep. Fish. Aquat. Sci. 211:51p. 1980
 Description : CH; CM; CO; flow; obstructions; PK; spawning; SK
 Location : DFO - FRASER R., NORTHERN B.C. YUKON DIVISION - NEW WEST
 Reference code : Government Report
 Year : 1980
 Author : MARSHALL, D.E.

Reference Number :	5654
Title :	FISH HABITAT ENHANCEMENT HCF 1981-82
Description :	
Location :	MELP REGIONAL OFFICE, WILLIAMS LAKE - STREAM IMPROVEMENT FILE
Reference code :	Government Report
Year :	1982
Author :	UNKNOWN

Reference Number : 29G-42
 Title : Fisheries Biologist, MOE, Fisheries Branch, Williams Lake. Personal communication. 1986
 Description : CH; CO; DV; enhancement; forestry; incubation; KO; linear development; land use; migration; mining; obstructions; rearing; RB; reserves; spawning; SK; water quality; water withdrawal
 Location : DFO - SUBDISTRICT 29G: Williams Lake
 Reference code : Government Report
 Year : 1986
 Author : WESTOVER, BILL

Reference Number :	29G-44
Title :	Fisheries Technician, MOE, SEP, Personal Communication, Williams Lake. 1986
Description :	AF; DV; enhancement; incubation; migration; rearing; RB; spawning; ST; temperature; water quality
Location :	DFO - SUBDISTRICT 29G: Williams Lake
Reference code :	Government Report
Year :	1986
Author :	WILDERS, D.

Reference Number :	29G-41
Title :	Fishery Officer, DFO, Williams Lake. Stream files and personal communication. 1986
Description :	Agriculture; CH; CO; enhancement; forestry; fish sampling; linear development; land use; mining; obstructions; parks; reserves; spawning; SK; water quality; water withdrawal
Location :	DFO - SUBDISTRICT 29G: Williams Lake
Reference code :	Government Report
Year :	1986
Author :	HARVEY, P.

Reference Number :	5136
Title :	HORSEFLY LAKE FILE
Description :	
Location :	MELP REFIONAL OFFICE, WILLIAMS LAKE
Reference code :	Unpublished Government Report
Year :	1970
Author :	HARDING, E.A.

Reference Number :	29G-43
Title :	Habitat Protection Technician, MOE, Williams Lake. Personal Communication. 1986
Description :	Enhancement; forestry; KO; obstructions; RB
Location :	DFO - SUBDISTRICT 29G: Williams lake
Reference code :	Government Report
Year :	1986
Author :	YOUNG, J.

Reference Number :	EW298
Title :	Hydrology and water use for salmon streams in the Quesnel Habitat Management Unit
Description :	
Location :	Fraser River Action Plan, DFO, Vancouver, BC
Reference code :	Government Report
Year :	1993
Author :	HAMILTON, R.

Reference Number :	DFO_HIST
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Title : LEGACY LIFE HISTORY AND TIMING OF SALMON SPECIES IN FRESHWATER WATERBODIES
 Description : DFO_SPEC_HIST_SUMMARY
 Location : DFO, VANCOUVER
 Reference code : Government Database
 Year :
 Author : DFO - VARIOUS

Reference Number :	WSCANDB
Title :	LIST OF ALL WATER SURVEY CANADA STATIONS IN B.C. AND YUKON, OCTOBER 1, 2000.
Description :	LIST OF ALL WATER SURVEY CANADA STATIONS IN B.C. AND YUKON RECIEVED OCTOBER 1, 2000.
Location :	BC FISHERIES, VICTORIA, B.C.
Reference code :	Government Database
Year :	2000
Author :	WATER SURVEY CANADA

Reference Number : 5643
 Title : LITTLE HORSEFLY CREEK FILE
 Description :
 Location : MELP REGIONAL OFFICE, WILLIAMS LAKE
 Reference code : Unpublished Government Report
 Year : 1996
 Author : UNKNOWN

Reference Number :	5137
Title :	LITTLE HORSEFLY LAKE
Description :	
Location :	MELP REGIONAL OFFICE, WILLIAMS LAKE
Reference code :	Unpublished Government Report
Year :	1972
Author :	KLEIN R.J.

Reference Number : NUSED-SUM
 Title : NUSED Database
 Description :
 Location : Ministry of Sustainable Resource Management, Victoria, BC
 Reference code : Government Database
 Year : 2000
 Author : FISHERIES AND OCEANS CANADA

Reference Number :	29G-4
Title :	Proposed program for restoration and extension of the sockeye and pink salmon stocks of the Fraser River. 91p. 1972
Description :	Enhancement; PK; population sampling; SK
Location :	DFO - FRASER R., NORTHERN B.C. YUKON DIVISION - NEW WEST
Reference	

code :	Government Report
Year :	1972
Author :	IPSFC

Reference Number : EW294

Title : Quesnel habitat management area resource assessment
 Description : Volume 1. Prepared for Fraser River Environmentally Sustainable Development Task Force
 Location : DFO, Vancouver, BC
 Reference code : Government Report
 Year : 1994
 Author : TRITON ENVIRONMENTAL CONSULTANTS LTD.

Reference Number :	5057
Title :	ROB DOLIGHAN PERSONAL COMMUNICATION
Description :	
Location :	NOT APPLICABLE
Reference code :	Personal Information/Communication
Year :	1996
Author :	DOLIGHAN, R.B.

Reference Number : SISSM01

Title : SISS map information (source not indicated)
 Description : map information
 Location : MELP - Fisheries Headquarters, Victoria
 Reference code : Map
 Year : 1995
 Author : DEPARTMENT OF FISHERIES AND OCEANS (DFO)

Reference Number :	SISSM01
Title :	SISS map information (source not indicated)
Description :	map information
Location :	MELP - Fisheries Headquarters, Victoria
Reference code :	Map
Year :	1995
Author :	MELP

Reference Number : 29G-46

Title : Survey of selected streams for sensitivity to acidification from the proposed Hat Creek coal development. Can. Tech. Rep. Fish. Aquat. Sci. 1389: 76p. 1985
 Description : Contaminants; land use; mining; water quality
 Location :
 Reference code : Government Report
 Year : 1985
 Author : ET AL

Reference

Number :	29G-46
Title :	Survey of selected streams for sensitivity to acidification from the proposed Hat Creek coal development. Can. Tech. Rep. Fish. Aquat. Sci. 1389: 76p. 1985
Description :	Contaminants; land use; mining; water quality
Location :	
Reference code :	Government Report
Year :	1985
Author :	SERVIZI, J.A.

Reference Number : SUM-1

Title :

Description : AG_SUMMARY

Location :

Reference code : Government Database

Year :

Author : AG_SUMMARY

23 references were found.

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