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PROTECTED AREAS IN THE
COLUMBIA RIVER BASIN OF MONTANA

The Montana Department's of Fish, Wildlife and Parks
Proposed Criteria and Preliminary Findings

October 5, 1987

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1. Summary

The Montana Department of Fish, Wildlife and Parks recommends criteria to the Northwest Power Planning Council which would allow the Council to designate areas that are to be protected from future hydropower development within the Columbia basin in Montana. Criteria were developed to evaluate the fisheries and wildlife resources of Montana. Preliminary analysis reveals that of the 7,242 miles of rivers and streams in the Department's computerized database for western Montana, 832 miles (or 11 percent) would meet the proposed fisheries criteria and 1,484 (or 20 percent) would meet the proposed wildlife criteria. In the Columbia basin within Montana, there are approximately 165 existing or potential hydropower sites within the Army Corps of Engineers hydro site database. Of these, 16 are currently active within the Federal Energy Regulatory Commission's (FERC) permitting process. Using the Department's recommended criteria, 4 of these sites could potentially be affected by the Council's Protected Areas Program. Future hydropower development options in areas not included in the Council's Protected Areas Program will be evaluated on a case-by-case basis.

II. PROJECT BACKGROUND

The Northwest Power Planning Act of 1981 calls for the balancing of hydropower development with the protection, mitigation and enhancement of anadromous fish, resident fish and wildlife. The Northwest Power Planning Council (Council) has, through its Fish and Wildlife Program, identified actions which are to be taken in order to achieve the goals set forth in this regional act. As one important action, the Council proposes to set aside "Protected Areas". These areas would be rivers and streams that should be protected from future hydropower development based on their importance to fish and wildlife.

In 1985, the Council's Hydropower Assessment Study was initiated with the expressed purpose of identifying potential Protected Areas. As one component of this study, the Council conducted an inventory of streams within the Columbia River Basin which provide habitat for anadromous fish. The Pacific Northwest Rivers Study was the other major component. The Rivers Study was sponsored by the Bonneville Power Administration in cooperation with the northwest states, Indian tribes and federal land management agencies. This component surveyed river related resident fisheries, wildlife and other recreational, natural and cultural features.

The State of Montana was represented in the Hydro Assessment Study by the Montana Department of Fish, Wildlife and Parks. Throughout the project, the Department has maintained membership on the Council's Hydropower Assessment Steering Committee (HASC), the group charged with overseeing the entire effort. The Department also coordinated the Montana portion of the Pacific Northwest Rivers Study.

By the fall of 1986, the data collection phase of the Hydropower Assessment Study had been completed. Subsequently, work groups were formed to develop the criteria which would be used to identify potential Protected Areas. The MDFWP participated in the resident fish/wildlife work groups.

In March of 1987, the Council sent a letter to Director Jim Flynn which outlined the Council's Protected Area schedule. It also requested that the Department finalize its proposed Protected Area criteria, and submit a list of rivers and streams that meets proposed criteria. The Council has requested that this information be forwarded by June 15. For its part the Council will prepare a Protected Areas Issue Paper for release in September. The Issue Paper will incorporate the criteria and lists submitted by Montana as well as information submitted by Idaho, Washington and Oregon. Following public review, the Council proposes to take action on Protected Areas designation in January, 1988.

III. METHODOLOGY

As the means to identify Montana's most valuable fish and wildlife resources, a set of criteria was developed to provide a range of stream reaches to be considered. These criteria were:

CRITERIA

Resident Fish

CRITERIA:

Streams which contain critical habitats necessary for sustaining Montana's Class A and Class B species of special concern and where genetic purity has been established through electrophoresis and no substantial populations of contaminating species are present. Includes essential spawning streams.

or

Streams with outstanding recreational fisheries and their essential spawning habitats.

Wildlife

CRITERIA:

Habitats identified as critical to the recovery of federally threatened and endangered species including: bald eagle net sites and forage streams, critical eagle wintering areas, critical grizzly bear range or movement corridors and historic peregrine eyrie sites with a high potential for reoccupancy.

or

Streams which support river otter population levels of moderate or high densities, Montana riparian species of special concern including amphibians, harlequin ducks and osprey; and critical winter range for outstanding populations of elk, whitetail and mule deer, bighorn sheep, and moose.

Using the Pacific Northwest Rivers Study computerized database, a preliminary list of streams was generated that met each of the proposed criteria. The wildlife list was further developed through evaluation by MDFWP wildlife biologists, managers and administrators.

IV. FINDINGS

The Montana Rivers Assessment contains 20,600 miles of river and streams statewide. Excluded from the mileage in the database are stream reaches within wilderness area boundaries and Indian Reservations. Further excluded from the protected areas analysis were rivers designated under the Wild and Scenic Rivers Act and stream located outside the Columbia River basin. Although stream reaches flowing into Montana's lakes and reservoirs are included in the database, their importance as spawning habitat for lakes and reservoirs have not been completely evaluated. Although some of the critical spawning streams were recommended in this evaluation further inclusions may be recommended in a future review of the protected areas list when data has been compiled.

The fish and wildlife criteria were applied to 6,800 miles of streams in western Montana for potential inclusion in the protected areas lists. The Department's preliminary list found that 832 miles met the fisheries criteria, (Table 1, Appendix Table 1). This represents 12 percent of the stream miles in the database in western Montana. The Department's preliminary list for the wildlife Criteria included 1,484 miles or 22 percent of the stream miles in the database in western Montana (Table 1 and Appendix Table 1). When fish and wildlife lists were combined and streams included in both wildlife and fisheries were determined, 2,048 miles of streams met the criteria for fish and wildlife. This represents 30 percent of the streams in the database for western Montana.

On a statewide basis, the stream miles recommended for protection utilizing the fisheries criteria represent 4 percent of the streams in the statewide database (Table 1) while the wildlife criteria represent 7 percent. The combined fisheries and wildlife criteria represent 10 percent of the streams in the statewide database (Table 1).

Hydroelectric Development Analysis

There are currently 173 hydroelectric projects identified in the Corps of Engineers Hydro Site database within the Columbia basin in Montana and not on Indian Reservation land. Of these 16 projects are considered "active"; i.e., a project status of preliminary permit, license or exemption pending or a preliminary permit granted (Table 3). The impact of each protected areas criteria are also included within the table. Of the 16 active sites, 4 could potentially be impacted by the preliminary protected areas list. On a statewide basis, there are approximately 43 active hydro sites. Nine percent of those sites would be affected if the proposed criteria for fish and wildlife were adopted.

TABLE 1: SUMMARY OF RECOMMENDED PROTECTED AREAS COMPARED TO TOTAL NUMBER OF STREAM MILES IN DATABASE WEST OF DIVIDE (6,800) AND STATEWIDE (20,600). EXCLUDES INDIAN RESERVATIONS, WILDERNESS AREAS, NATIONAL PARKS, AND WILD AND SCENIC RIVERS. EXPRESSED AS MILES AND PERCENTAGE (%).

	<u>FISH</u>	<u>WILDLIFE</u>	<u>BOTH</u>	<u>TOTAL</u>
WESTERN MONTANA	832 (12%)	1484 (22%)	268	2048 (30%)
STATEWIDE	832 (4%)	1484 (7%)	268	2048 (10%)

TABLE 3: SUMMARY OF ACTIVE HYDRO SITES IN MONTANA AND THE IMPACT FROM PROTECTED AREAS STREAM LIST - WEST OF DIVIDE

<u>PROJ.NAME</u>	<u>RIVER</u>	<u>STATUS</u>	<u>PROTECTED AREA</u>
Como Lake	Rock Cr/Trib Bitt	PP-GTD	No Impact
Sharrott Cr	Sharrott Cr	EX-PND	No Impact
Painted Rocks Dam	W.F.Bitt R	PP-GTD	No Impact
Circle Arrow	Clearwater R	LC-PND	No Impact
Tony Cr	Tony Cr	PP-GTD	No Impact
Rock Cr	Rock Cr	PP-GTD	No Impact
Boulder Cr	Boulder Cr	LC-PND	No Impact
Ashley Cr	Ashley Cr	PP-GTD	No Impact
Boulder Cr	Boulder Cr	EX-PND	No Impact
Cold Cr	Cold Cr	PP-GTD	No Impact
Piper Cr	Piper Cr	PP-GTD	Wildlife Crit.
Squeezer Cr	Squeezer Cr	PP-GTD	Wildlife Crit. & Fish Crit.
Jennings Rapids	Kootenai R	PP-Pnd	Wildlife Crit & Fish Crit.
Nancy #4	Meadow Cr	PP-PND	Wildlife Crit.
Nancy #2	Pine Cr	PP-PND	No Impact
Star Cr	Star Cr	EX-PND	No Impact

MONTANA PROTECTED AREAS STREAM LIST
WILDLIFE

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
BITTERROOT RIVER SEC 01	MOUTH	BELL XING	EAGLE NESTS(2) EAGLE WINT	OTTER-MOD HERON ROOKERY
CAMERON CREEK	MOUTH	N FK CAMERON CREEK	BG CRIT RANGE-ELK	
E FK BITTERROOT RIVER	MOUTH	MOOSE CREEK	BG CRIT RANGE-ELK	
GUIDE CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-ELK	
MINK CREEK	MOUTH	2.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
PIQUETT CREEK	MOUTH	HEADWATERS	AMPHIB OF SPECIAL CONCERN	
REIMEL CREEK	MOUTH	3.2 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
SHEEP CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-ELK	
TOLAN CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
WARM SPRINGS CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
ALICE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
ARRASTRA CREEK	MOUTH	NATIONAL FOREST	BG CRIT RANGE-ELK	
BARTLETT CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
BEAVER CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-ELK
BLACKFOOT RIVER SEC 01	MOUTH	CLEARWATER RIVER	EAGLE NEST EAGLE WINT OSPREY	PEREG EYRIE OTTER-MOD
BLACKFOOT RIVER SEC 02	CLEARWATER RIVER	ARRASTRA CREEK	EAGLE NESTS(3) EAGLE WINT	OTTER-MOD HERON ROOKERY OSPREY
BLACKFOOT RIVER SEC 03	LINCOLN GULCH	HUMBUG CREEK	EAGLE NEST	
BLANCHARD CREEK	MOUTH	COLD BROOK CREEK	BG CRIT RANGE-ELK	
CADOTTE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
CHAMBERLAIN CREEK	MOUTH	EAST FORK	BG CRIT RANGE-ELK	
CLEARWATER RIVER	MOUTH	ELBOW LAKE INLET	EAGLE NEST OTTER-MOD OSPREY	EAGLE WINT BG CRIT RANGE-WT
COPPER CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
COTTONWOOD CREEK	MOUTH	NATIONAL FOREST	BG CRIT RANGE-ELK	
DOUGLAS CREEK	MOUTH	COTTONWOOD CREEK	BG CRIT RANGE-ELK	
E FK CLEARWATER RIVER	MOUTH	HEADWATERS	NCDE GB CORRIDOR	
ELK CREEK	MOUTH	CAP WALLACE GULCH	BG CRIT RANGE-ELK	
JOHNSON GULCH	MOUTH	2.0 KM ABOVE MOUTH	PEREG EYRIE	

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MONTANA PROTECTED AREAS STREAM LIST
WILDLIFE

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
LANDERS FORK BLACKFOOT R	MOUTH	FALLS CREEK	NCDE CRIT GB HAB	
LOST HORSE CREEK	MOUTH	4.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	
MCELWAIN CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
MONTURE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-ELK
			OTTER-MOD	
NEVADA CREEK	MOUTH	6.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	OTTER-MOD
				BG CRIT RANGE-WT,ELK
N FK BLACKFOOT RIVER	MOUTH	WILDERNESS	NCDE CRIT GB HAB	OTTER-MOD
			OSPREY	BG CRIT RANGE-ELK
PLACID CREEK	PRIVATE LAND	SECOND CREEK	AMPHIB OF SPECIAL CONCERN	
POORMAN CREEK	MOUTH	FIELDS GULCH	BG CRIT RANGE-ELK	
STONEWALL CREEK	NATIONAL FOREST	HEADWATERS	NCDE CRIT GB HAB	
VALES CREEK	BLM BOUNDARY	HEADWATERS	BG CRIT RANGE-ELK	
WARREN CREEK	MOUTH	2.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	
W FK CLEARWATER RIVER	MOUTH	HEADWATERS	NCDE GB CORRIDOR	
BEAVER CREEK	MOUTH	BIG BEAVER CREEK	BG CRIT RANGE-ELK	
BIG BEAVER CREEK	MOUTH	LION CREEK	BG CRIT RANGE-ELK	
BIG EDDY CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-ELK	
BIG ROCK CREEK	MOUTH	HEADWATERS	AMPHIB OF SPECIAL CONCERN	
CASCADE CREEK	MOUTH	HEADWATERS	AMPHIB OF SPECIAL CONCERN	
CLARK FORK RIVER SEC 01	SQUAW CREEK	WEEKSVILLE CREEK	AMPHIB OF SPECIAL CONCERN	OTTER-MOD
				OSPREY
				BG RANGE-BHS
CLARK FORK RIVER SEC 02	FISH CREEK	DEEP CREEK	EAGLE NESTS(2)	EAGLE WINT
			PEREG EYRIE	BG CRIT RANGE-WTELK
CLEAR CREEK	MOUTH	6.4 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
DRY CREEK	MOUTH	JUNCTION E & W FORKS DRY CREEK	BG CRIT RANGE-WT,MD,ELK	
E FK BULL RIVER	MOUTH	WILDERNESS	CYE CRIT GB HAB	
E FK ROCK CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
EDDY CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-ELK	
ELK CREEK	MOUTH	E & W FK ELK CREEK	BG CRIT RANGE-ELK	
FISH CREEK	MOUTH	WALL CANYON CREEK	BG CRIT RANGE-ELK	
FISHTRAP CREEK	MOUTH	BEATRICE CREEK	BG CRIT RANGE-WT	
GILT EDGE CREEK	MOUTH	SPRING SOURCE	AMPHIB OF SPECIAL CONCERN	

MONTANA PROTECTED AREAS STREAM LIST
WILDLIFE

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
GRAVES CREEK	MOUTH	WILDERNESS	CYE CRIT GB HAB	BG CRIT RANGE-BHS
GROUSE CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
LITTLE BEAVER CREEK	MOUTH	SKEETER CREEK	BG CRIT RANGE-ELK	
MARTEN CREEK	MOUTH	N BR MARTEN CREEK	BG CRIT RANGE-ELK	
MAYO CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-ELK	
MCKAY CREEK	FORKS	HEADWATERS	CYE CRIT GB HAB	
M FK BULL RIVER	MOUTH	WILDERNESS	CYE CRIT GB HAB	
MOSQUITO CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-BHS	
N FK BULL RIVER	MOUTH	WILDERNESS	CYE CRIT GB HAB	
O'KEEFE CREEK	MOUTH	4.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	
PETTY CREEK	MOUTH	2.0 KM ABOVE MOUTH	PEREG EYRIE	
PILGRIM CREEK	MOUTH	W FK PILGRIM CREEK	BG CRIT RANGE-ELK	
PROSPECT CREEK	MOUTH	E FK PROSPECT CR	BG CRIT RANGE-WT,MD,ELK	
ROCK CREEK	MOUTH	4.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	
ST REGIS RIVER	SILVER CREEK	DOMINION CREEK	AMPHIB OF SPECIAL CONCERN	OTTER-MOD BG CRIT RANGE-WT
SQUAW CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
SWAMP CREEK	NOXON RESERVOIR	HEADWATERS	CYE CRIT GB HAB	BG CRIT RANGE-ELK
THOMPSON RIVER SEC 01	MOUTH	FISHTRAP CREEK	AMPHIB OF SPECIAL CONCERN	OTTER-MOD BG CRIT RANGE-WT,BHS
TROUT CREEK	MOUTH	WILTON CREEK	BG CRIT RANGE-ELK	
TUSCOR CREEK	MOUTH	FORKS	BG CRIT RANGE-ELK	
TWELVEMILE CREEK	MOUTH	E FK TWELVEMILE CREEK	BG CRIT RANGE-ELK	
VERMILION RIVER	MOUTH	HEADWATERS	CYE CRIT GB HAB	BREEDING HARLEQUIN DUCKS
WFK THOMPSON RIVER	FOUR LAKES CREEK	HEADWATERS	CYE CRIT GB HAB	BG CRIT RANGE-BHS
ANTELOPE CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
BREWSTER CREEK	MOUTH	3.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
CLARK FORK RIVER SEC 03	BERT CREEK	HOOVER CREEK	EAGLE NEST FORAGE STREAM	
DEMPSEY CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
DRY COTTONWOOD CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
DUNKLEBERG CREEK	MOUTH	5.0 KM ABOVE MOUTH	EAGLE NEST	
LOST CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
HILL CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
MODESTY CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	

MONTANA PROTECTED AREAS STREAM LIST
WILDLIFE

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
PETERSON CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
RANCH CREEK	MOUTH	3.0 KM ABOVE MOUTH	AMPHIB OF SPECIAL CONCERN	
ROCK CREEK SEC 02	HOGBACK CREEK	FORKS	PEREG EYRIE HERON ROOKERY	OTTER-MOD BG CRIT RANGE-ELK
ROSS FORK ROCK CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
SPRING CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-ELK	
UPPER WILLOW CREEK	MOUTH	SHEEP GULCH	PEREG EYRIE	BG CRIT RANGE-ELK
WARM SPRINGS CREEK	12.8 KM BELOW SILVER LAKE	SILVER LAKE	BG CRIT RANGE-ELK	
ALDER CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-ELK	
ANTICE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
ASHLEY CREEK	MOUTH	IDAHO CR	OTTER-HIGH	
BARBER CREEK	SFK BARBER	HEADWATERS	NCDE GB CORRIDOR	
BEAVER CREEK	MOUTH	HEADWATERS	NCDE GB CORRIDOR	
BUCK CREEK	NATIONAL FOREST	HEADWATERS	NCDE CRIT GB HAB	
CAT CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-WT
CONDON CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-WT
COONEY CREEK	NATIONAL FOREST	HEADWATERS	NCDE CRIT GB HAB	
DOG CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB BG CRIT RANGE	AMPHIB OF SPECIAL CONCERN
DUNSIRE CREEK	MOUTH	6.0 KM ABOVE MOUTH	OTTER-HIGH	
E FK SWIFT CREEK	MOUTH	HEADWATERS	EAGLE NEST FORAGE STREAM	OTTER-MOD NCDE CRIT GB HAB
ELK CREEK	NATIONAL FOREST	WILDERNESS	NCDE CRIT GB HAB	
FLATHEAD RIVER SEC 02	FLATHEAD LAKE INLET	KOKANEE BEND	EAGLE NESTS(2) EAGLE WINT	OTTER-HIGH OSPREY ROOKERY BG CRIT RANGE-WT BG CRIT RANGE-WT
GLACIER CREEK	NATIONAL FOREST	WILDERNESS	NCDE GB CORRIDOR	
GOAT CREEK	NATIONAL FOREST	HEADWATERS	NCDE CRIT GB HAB	
GOOD CREEK	MOUTH	MILLER CREEK	OTTER-HIGH	
GRIFFIN CREEK	MOUTH	6.0 KM ABOVE MOUTH	OTTER-HIGH	
HELLROARING CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
HEMLOCK CREEK	MOUTH	WILDERNESS	NCDE GB CORRIDOR	
HOLLAND CREEK	HOLLAND LAKE	HEADWATERS	NCDE GB CORRIDOR	
LAZY CREEK	MOUTH	3.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	

MONTANA PROTECTED AREAS STREAM LIST
WILDLIFE

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
LEBEAU CREEK	MOUTH	2.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	
LION CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-WT
LITTLE BITTERROOT RIVER	HUBBART RESERVOIR	LITTLE BITTERROOT LAKE	EAGLE NEST FORAGE STREAM	BG CRIT RANGE-WT,ELK
LOGAN CREEK	MOUTH	TALLY LAKE	OTTER-HIGH	
N FK LOST CREEK	6.4 KM ABOVE MOUTH	HEADWATERS	BG CRIT RANGE-WT	NCDE CRIT GB HAB
OWL CREEK	MOUTH	HEADWATERS	NCDE GB CORRIDOR	
PATRICK CREEK	BIRCH CREEK	HEADWATERS	BG CRIT RANGE-WT	
PIPER CREEK	MOUTH	WILDERNESS	NCDE GB CORRIDOR	
RUMBLE CREEK	NATIONAL FOREST	HEADWATERS	NCDE CRIT GB HAB	
SOUP CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT	
S FK LOST CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT	
SQUAW CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,ELK	
SQUEEZER CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-WT
STILLWATER RIVER	MOUTH	HEADWATERS	EAGLE NESTS(2) OTTER-HIGH	BG CRIT RANGE-WT,MO
SWAN RIVER SEC 02	SWAN LAKE INLET	5.0 KM ABOVE INLET	EAGLE NEST HERON ROOKERY	OSPREY BG CRIT RANGE-WT,ELK
TAMARACK CREEK	MOUTH	2.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	
W FK SWIFT CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
SWIFT CREEK	MOUTH	W FK SWIFT CREEK	EAGLE NEST	NCDE CRIT GB HAB
WOLF CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-WT,MD,ELK
WYMAN CREEK	MOUTH	4.0 KM ABOVE MOUTH	NCDE CRIT GB HAB	BG CRIT RANGE-WT,MD,ELK
YEW CREEK	MOUTH	3.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	BG CRIT RANGE-MO
ADDITION CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
BRUCE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
BUNKER CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-ELK
CANYON CREEK	MOUTH	KIMMERLY CREEK	NCDE CRIT GB HAB	BG CRIT RANGE-WT,MD,ELK
CHALLENGE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
COAL CREEK	MOUTH	S FK COAL CREEK	NCDE CRIT GB HAB	BG CRIT RANGE-MO
			OTTER-MOD	
CYCLONE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-MO
			EAGLE NEST	
DEEP CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
DORIS CREEK	MOUTH	HEADWATERS	AMPHIB OF SPECIAL CONCERN	

MONTANA PROTECTED AREAS STREAM LIST
WILDLIFE

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
EMERY CREEK	MOUTH	6.0 KM ABOVE MOUTH	AMPHIB OF SPECIAL CONCERN	
GRAVES CREEK	MOUTH	JEWEL BASIN	AMPHIB OF SPECIAL CONCERN	
HAY CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
HUNGRY HORSE CREEK	MOUTH	6.0 KM ABOVE MOUTH	AMPHIB OF SPECIAL CONCERN	
LANGFORD CREEK	MOUTH	MUD LAKE	AMPHIB OF SPECIAL CONCERN	
LOST JACK CREEK	MOUTH	WILDERNESS	NCDE CRIT GB HAB	
LOWER TWIN CREEK	MOUTH	WILDERNESS	NCDE CRIT GB HAB	BG CRIT RANGE-ELK
MOOSE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
MORAN CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
PAOLA CREEK	MOUTH	WILDERNESS	NCDE CRIT GB HAB	
PUZZLE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
RED MEADOW CREEK	MOUTH	RED MEADOW LAKE	NCDE CRIT GB HAB	
SHORTY CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
SILVERTIP CREEK	MOUTH	WILDERNESS	NCDE CRIT GB HAB	
S FK RED MEADOW CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
SPOTTED BEAR RIVER	MOUTH	WILDERNESS	BREEDING HARLEQUIN DUCKS	OTTER-MOD BG CRIT RANGE-ELK
TEEPER CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
TIN CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
TUCHUCK CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
TWIN CREEK	MOUTH	WILDERNESS	NCDE CRIT GB HAB	BG CRIT RANGE-ELK
WERNER CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
WHALE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
YAKINIKAK CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	
ALDER CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
ALEXANDER CREEK	MOUTH	3.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	BG CRIT RANGE-WT,MD,ELK
BEAR CREEK	MOUTH	WILDERNESS	CYE CRIT GB HAB	BG CRIT RANGE-MO
BIG CHERRY CREEK	LEIGH CREEK	WILDERNESS	CYE CRIT GB HAB BG CRIT RNG-MO	AMPHIB OF SPECIAL CONCERN
BURNT CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
BURRELL CREEK	MOUTH	HEADWATERS	CYE GB CORRIDOR	BG CRIT RANGE-BHS
BUTLER CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
CABLE CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	BG CRIT RANGE-MO
CARNEY CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	

MONTANA PROTECTED AREAS STREAM LIST
WILDLIFE

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
CHINA CREEK	MOUTH	HEADWATERS	CYE GB CORRIDOR	BG CRIT RANGE-BHS
CODY CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
COOL CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
COW CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-WT,MD,ELK	
DEEP CREEK	5.0 KM BELOW WILDERNESS	WILDERNESS	CYE CRIT GB HAB	
DOAK CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
DOE CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
DRY CREEK	SPRING CREEK	WILDERNESS	CYE CRIT GB HAB	
DUNN CREEK	MOUTH	2.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	
FAWN CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
FLEETWOOD CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
GRANITE CREEK	MOUTH	WILDERNESS	CYE CRIT GB HAB	BG CRIT RANGE-MO
GRAVE CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-WT,MD,ELK
GUS CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
HARRIS CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
INDEPENDENCE CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
KAVALLA CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
KEELER CREEK	MOUTH	N FK KEELER CREEK	AMPHIB OF SPECIAL CONCERN	
KENNEDY GULCH	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
KOOT CREEK	MOUTH	HEADWATERS	CYE GB CORRIDOR	BG CRIT RANGE-BHS
KOOTENAI RIVER	KOOTENAI FALLS (INCL)	LIBBY DAM	HARLEQUINS	EAGLE WINT
			EAGLE NEST	OTTER-MOD
			AMPHIBS	OSPREY
LAKE CREEK	MOUTH	BULL LAKE OUTLET	EAGLE NEST	
			OTTER-MOD	
			OSPREY	
LEIGH CREEK	MOUTH	WILDERNESS	CYE CRIT GB HAB	BG CRIT RANGE-MO
LIBBY CREEK	RAMSEY CREEK	WILDERNESS	CYE CRIT GB HAB	OSPREY
			OTTER-MOD	HERON ROOKERY
LITTLE CHERRY CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-MO	
LITTLE CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	BG CRIT RANGE-WT,MO
MCGUIRE CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-MD,BHS	
MCKILLOP CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
MEADOW CREEK	MOUTH	2.0 KM ABOVE MOUTH	PEREG EYRIE	

MONTANA PROTECTED AREAS STREAM LIST
WILDLIFE

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
MITCHELL CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
MUD CREEK	MOUTH	HEADWATERS	NCDE CRIT GB HAB	BG CRIT RANGE-WT,MD,ELK
N FK SEVENTEENMILE CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	BG CRIT RANGE-MD,ELK,MO
OTIS CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
PEOPLES CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
PHEASANT CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
POORMAN CREEK	MOUTH	WILDERNESS	CYE CRIT GB HAB	BG CRIT RANGE-MO
RAINY CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
RAMSEY CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-MO	
RED TOP CREEK	MOUTH	2.0 KM ABOVE MOUTH	PEREG EYRIE	
ROCKY CREEK	MOUTH	4.0 KM ABOVE MOUTH	BG CRIT RANGE-MD,BHS	
SEVENTEENMILE CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	BG CRIT RANGE-MD,ELK,MO
SHEEP CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-MD,BHS	
SHINE CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
SHEARL CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
SNOKE CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
SNELL CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
SNOWSHOE CREEK	MOUTH	HEADWATERS	CYE CRIT GB HAB	
S FK YAAK RIVER	MOUTH	HEADWATERS	CYE CRIT GB HAB	
SQUAV CREEK	MOUTH	6.0 KM ABOVE MOUTH	BG CRIT RANGE-WT,MD,ELK	
STANLEY CREEK	MOUTH	3.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	
TWEED CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-MD,BHS	
URAL CREEK	MOUTH	HEADWATERS	BG CRIT RANGE-MD,BHS	
WEST FISHER RIVER	MOUTH	HEADWATERS	CYE CRIT GB HAB	
WILLIAMS CREEK	MOUTH	WILDERNESS	CYE CRIT GB HAB	
YAAK RIVER SEC 01	MOUTH	S FK YAAK RIVER	PEREG EYRIE	OTTER-MOD
			CYE GB CORRIDOR	
YOUNG CREEK	MOUTH	3.0 KM ABOVE MOUTH	EAGLE NEST FORAGE STREAM	

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MONTANA PROTECTED AREAS STREAM LIST
FISHERIES

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
GRANITE CREEK	MOUTH	HEADWATERS	comm pure cutthroat trout	
MARTIN CREEK	BUSH CREEK	2194 M ELEVATION	comm.pure cutthroat	uncomm bull trout
SLEEPING CHILD CREEK	MOUTH	HEADWATERS	comm. pure cutthroat	uncomm bull trout
BELMONT CREEK	MOUTH	HEADWATERS	ess spawn hab SF1	
BLACKFOOT RIVER SEC 01	MOUTH	CLEARWATER RIVER	SPORT FISH1	
EAST TWIN CREEK	LOWEST RD XING	180 M ABOVE XING	ess spawn hab SF2	
GOLD CREEK	MOUTH	END OF RD	ess spawn hab SF1	
JOHNSON GULCH	MOUTH	75 M ABOVE MOUTH	ess spawn hab SF1	
WEST TWIN CREEK	50 M BELOW 1ST BRIDGE	50 M ABOVE 1ST BRIDGE	ess spawn hab SF1	
E FK DRY CREEK	JUNCTION WITH W FK DRY CREEK	SOURCE	comm pure cutthroat	
O'KEEFE CREEK	2 MI N OF I-90/US-93 WYE	HEADWATERS	comm pure cutthroat	
VERMILION RIVER	VERMILION FALLS	SOURCE	comm pure cutthroat	
BEEFSTRAIGHT CREEK	MOUTH	700 M ABOVE AMERICAN GULCH	abund pure wslope cutthroat	
DEMPSEY CREEK	N FK DEMPSEY CREEK	HEADWATERS	comm pure cutthroat trout	
DOUGLAS CREEK	SETTLING POND	HEADWATERS (N & M FORK)	abund.pure cutthroat	
E FK ROCK CREEK	MOUTH	E FK RESERVOIR	ess spawn hab SF1	cutthroat & bull trout
GERMAN GULCH	MOUTH	HEADWATERS	abund pure wslope cutthroat	
GILBERT CREEK	MOUTH	RESERVOIR	ess spawn hab SF1	
HARVEY CREEK	RAILROAD DROP STRUCTURE	HEADWATERS	abund pure cutthroat	
HOGBACK CREEK	MOUTH	HEADWATERS	ess spawn hab SF1	
LOWER WILLOW CREEK	WILLOW CREEK RESERVOIR	SOURCE	abund pure cutthroat	
M FK DOUGLAS CREEK	MOUTH	HEADWATERS	abund pure cutthroat	
M FK ROCK CREEK	MOUTH	COPPER CREEK	ess spawn hab SF1	cutthroat & bull trout
N FK DOUGLAS CREEK	MOUTH	HEADWATERS	abund pure cutthroat	
POWELL CREEK	EAST BOUNDARY SECTION 17	WEST BOUNDARY SECTION 17	abund pure cutthroat	
RANCH CREEK	MOUTH	HEADWATERS	ess spawn hab SF1	
ROCK CREEK SEC 01 & 02	MOUTH	FORKS	SPORT FISH CLASS 1	cutthroat and bull trout, cutthroat trout
ROSS FORK ROCK CREEK	MOUTH	ELK CREEK	ess spawn hab SF1	
S FK DOUGLAS CREEK	MOUTH	HEADWATERS	abund pure cutthroat	
STONY CREEK	MOUTH	LAKE SOURCE	ess spawn hab SF1	
TELEGRAPH CREEK	BEGIN PRIVATE LAND	END PRIVATE LAND IN FOREST	comm pure cutthroat trout	
WELCOME CREEK	MOUTH	CARRON CREEK	common cutthroat	common bull trout
W FK ROCK CREEK	MOUTH	SOURCE	ess spawn hab SF1	pure cutthroat/ bull trout
ELK CREEK	9 KM ABOVE MOUTH	N & S FK	ess spawn hab Swan Lake bull t	

MONTANA PROTECTED AREAS STREAM LIST
FISHERIES

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
FLATHEAD RIVER SEC 02	FLATHEAD LAKE	N & M FK FLATHEAD RIVER	pure cutthroat	pure bull trout, shorthd sculpi
GOAT CREEK	MOUTH	1 KM ABOVE SCOUTH CREEK	ess spawn hab Swan Lake bull t	
LION CREEK	MOUTH	10 KM ABOVE MOUTH	ess spawn hab Swan Lake bull t	
SQUEEZER CREEK	MOUTH	BRIDGE AT 6.5 KM	ess spawn hab Swan Lake bull t	
BAPTISTE CREEK	300 M ABOVE ROAD 38	SOURCE	comm pure cutthroat trout	
BEAR CREEK	MOUTH	1ST RR XING BELOW SUMMIT	ess spawn/rear hab for SSC1	
BIG CREEK	MOUTH	1.5 KM ABOVE NICOLA CREEK	ess spaw hab for SSC1	pot pure CT & BT
BUNKER CREEK	MOUTH	FALLS	ess spawn hab SSC1	
CHALLENGE CREEK	DODGE CREEK	HEADWATERS	ess spawn hab SSC1	ess spawn hab Flathead Lk bull
COAL CREEK	MOUTH	HEADWATERS	ess. spawn hab SSC1	abund pure cutthroat, bulltrout
CYCLONE CREEK	MOUTH	CYCLONE LAKE	ess spawn hab SSC1	pure cutthroat, pure bull trout
DEPUY CREEK	MOUTH	SOURCE	comm pure cutthroat trout	
EMERY CREEK	MOUTH	CONFLUENCE OF HEADWATERS	ess spawn hab Hungry Horse Res	
ESSEX CREEK	MOUTH	WILDERNESS BOUNDARY	ess spawn hab SSC1	
FELIX CREEK	MOUTH	3.8 KM ABOVE MOUTH	comm pure cutthroat trout	
GRANITE CREEK	7.9 KM ABOVE MOUTH	JCT DODGE/CHALLENGE CREEKS	uncommon bull trout	comm cutthroat trout
HALLOWAT CREEK	MOUTH	4 KM ABOVE LAST BRIDGE	ess spawn hab SSC1	bull trout & cutthroat trout
HAY CREEK	BRIDGE 2 KM BELOW HAY LAKE	HAY LAKE	uncomm pure cutthroat trout	
HUNGRY HORSE CREEK	MOUTH	SOURCE	ess spawn hab wscst Hungry Hr R	
KNIEFF CREEK	1.2 KM ABOVE MOUTH	SOURCE	comm pure cutthroat trout	
LANGFORD CREEK	MOUTH	MUD LAKE	ess spawn hab SSC1	abund cutthroat & bull trout
LID CREEK	HUNGRY HORSE RESERVOIR	SOURCE	comm pure cutthroat trout	
LOWER TWIN CREEK	MOUTH	WILDERNESS BOUNDARY	ess spawn hab wscst Hungry Hr R	ess spawn hab bull tr Hung Hr
MATHIAS CREEK	MOUTH	CULVERT 1.5 KM ABOVE MOUTH	pure cutthroat	bull trout
MCGINNIS CREEK	FALLS	SOURCE	comm pure cutthroat trout	
MOOSE CREEK	MOUTH	BRDGE 2 KM ABOVE WHALE BUTTES	ess spawn hab SSC1	pure cutthroat trout
MORAN CREEK	7.1 KM ABOVE MOUTH	DRY AREA BELOW CASCADE	comm pure cutthroat trout	
MORRISON CREEK	0.1KM BELOW CRESCENT CREEK	HEADWATERS	common bull trout	uncomm cutthroat trout
PAOLA CREEK	MOUTH	WILDERNESS BOUNDARY	ess rear hab bull tr Flthead L	
PUZZLE CREEK	MOUTH	SOURCE	ess spawn hab bull tr Flthd Lk	
QUINTONKIN CREEK	MOUTH	SOURCE	abun pure cutthroat trout	bull trout
RED MEADOW CREEK	MOUTH	LINK LAKE FORK	ess spawn hab SSC1	pure cutthroat bull trout
RYLE CREEK	MOUTH	SOURCE	comm pure cutthroat trout	
SHORTY CREEK	MOUTH	FALLS 1 KM ABOVE N FK SHORTY C	pure cutthroat trout	bull trout

MONTANA PROTECTED AREAS STREAM LIST
FISHERIES

RIVER NAME	LOWER BOUNDARY	UPPER BOUNDARY	REASON FOR INCLUSION 1	REASON FOR INCLUSION 2
SKOOKOLEEL CREEK	4.8 KM ABOVE MOUTH	LAKE AT HEADWATERS	uncomm pure cutthroat trout	
SKYLAND CREEK	MOUTH	W FK SKYLAND CREEK	ess rear hab bull tr Flthd Lk	
S FK COAL CREEK	MOUTH	HEADWATERS	ess spawn hab SSC1	pure cutthroat & bull trout
SPOTTED BEAR RIVER	MOUTH	DEAN FALLS	abund pure cutthroat trout	bull trout
SULLIVAN CREEK	MOUTH	SOURCE	abund pure cutthroat trout	bull trout
TRAIL CREEK	MOUTH	BOTTOM OF DRY AREA	poten pure cutthroat & bull trt	
TWENTYFIVE MILE CREEK	1 KM ABOVE MOOSE CREEK	EAR CREEK	ess spawn hab SSC1	
UNAWAH CREEK	MOUTH	SOURCE	comm pure cutthroat trout	
WHALE CREEK	MOUTH	WHALE CREEK FALLS	ess spawn hab SSC1	
WHEELER CREEK	MOUTH	10.0 KM ABOVE MOUTH	ess spawn hab ct&dv HH Reserv	
WOUNDED BUCK CREEK	MOUTH	2.3 KM ABOVE WILDCAT CR	ess spawn hab ct&dv HH Res	
BIG CREEK	MOUTH	JUNCTION OF N.S.FORKS	corridor ess spawn hab Lake Ko	
BOBTAIL CREEK	MOUTH	TERGE CREEK	ess spawn hab SF1	
BRISTOW CREEK	MOUTH AT RESERVOIR	JUNCTION OF N.S.FORKS	ess spawn hab RB Lake Koocanus	
CALLAHAN CREEK	FALLS	SOURCE	abund pure native rainbow trot	
CLARENCE CREEK	GRAVES CREEK	1KM PAST END OF CLARENCE ROAD	ess spawn hab bull tr Lk Kooca	
DUNN CREEK	MOUTH	WYOMA CREEK	ess spawn hab RB tr Lk Koocanu	
FISHER RIVER	MOUTH	LOON LAKE	ess spawn hab SF1	
GRAVE CREEK	JUNCTION WITH FORTINE CREEK	MOUTH OF FOUNDATION CREEK	ess spawn hab RB,CT,DV Lk Kooc	
KOOTENAI RIVER	FALLS	LIBBY DAM	SPORT FISH1	
KOOTENAI RIVER	STATE LINE	FALLS	white sturgeon	
LIBBY CREEK	MOUTH	HEADWATERS	ess spawn hab SF1	
NORTH CALLAHAN CREEK	MOUTH	STATE LINE	abund pure native rainbow trt	
N FK BIG CREEK	NORTH AND SOUTH FORK JUNCTION	HEADWATERS	ess spawn hab Lake Koocanusa	
PINKHAM CREEK	MOUTH	FALLS (6 MI)	ess spawn hab Lake Koocanusa	
PIPE CREEK	MOUTH	NOISY CREEK	ess spawn hab bull tr, RB SF1	
QUARTZ CREEK	MOUTH	HENNESY CREEK	ess spawn hab SF1	
SINCLAIR CREEK	JUNCTION WITH TOBACCO RIVER	BUILDINGS 10.2KM FROM MOUTH	ess spawn hab wsct Lk Koocanus	
SOUTH CALLAHAN CREEK	MOUTH	STATE LINE	abund pure native rainbow trt	
S FK BIG CREEK	NORTH SOUTH FORK BIG JUNCTION	HEADWATERS	ess spawn hab Lake Koocanusa	
TOBACCO RIVER	LAKE KOOCANUSA AT FULL POOL	JUNCTION FORTINE & GRAVE CREEK	corridor to ess spawn hab Lk K. ess spawn hab bull,rb,rbXct	
YOUNG CREEK	MOUTH AT KOOCANUSA AT FULL POOL	JUNCTION S FORK YOUNG CREEK	ess spawn hab Lake Koocanusa	