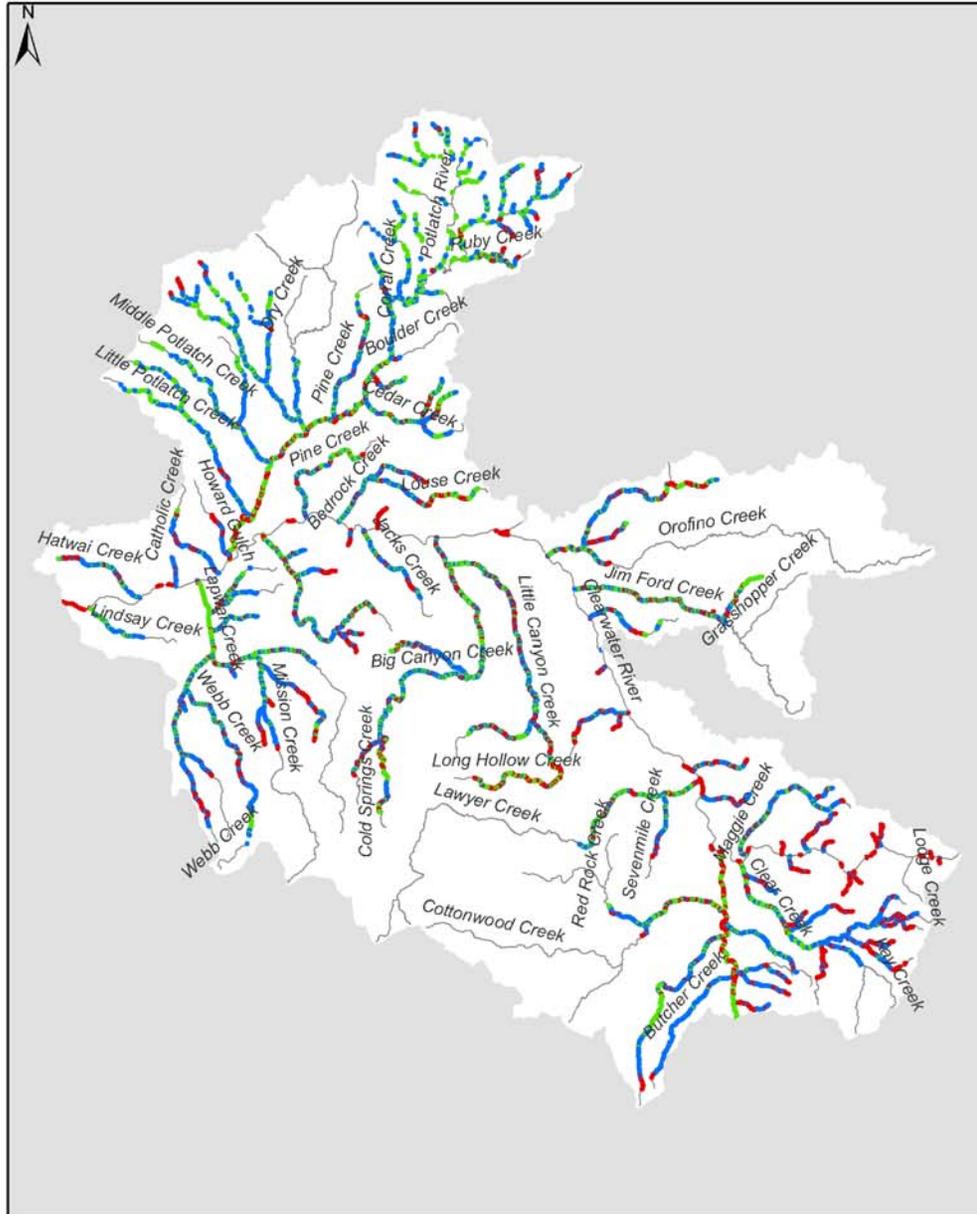


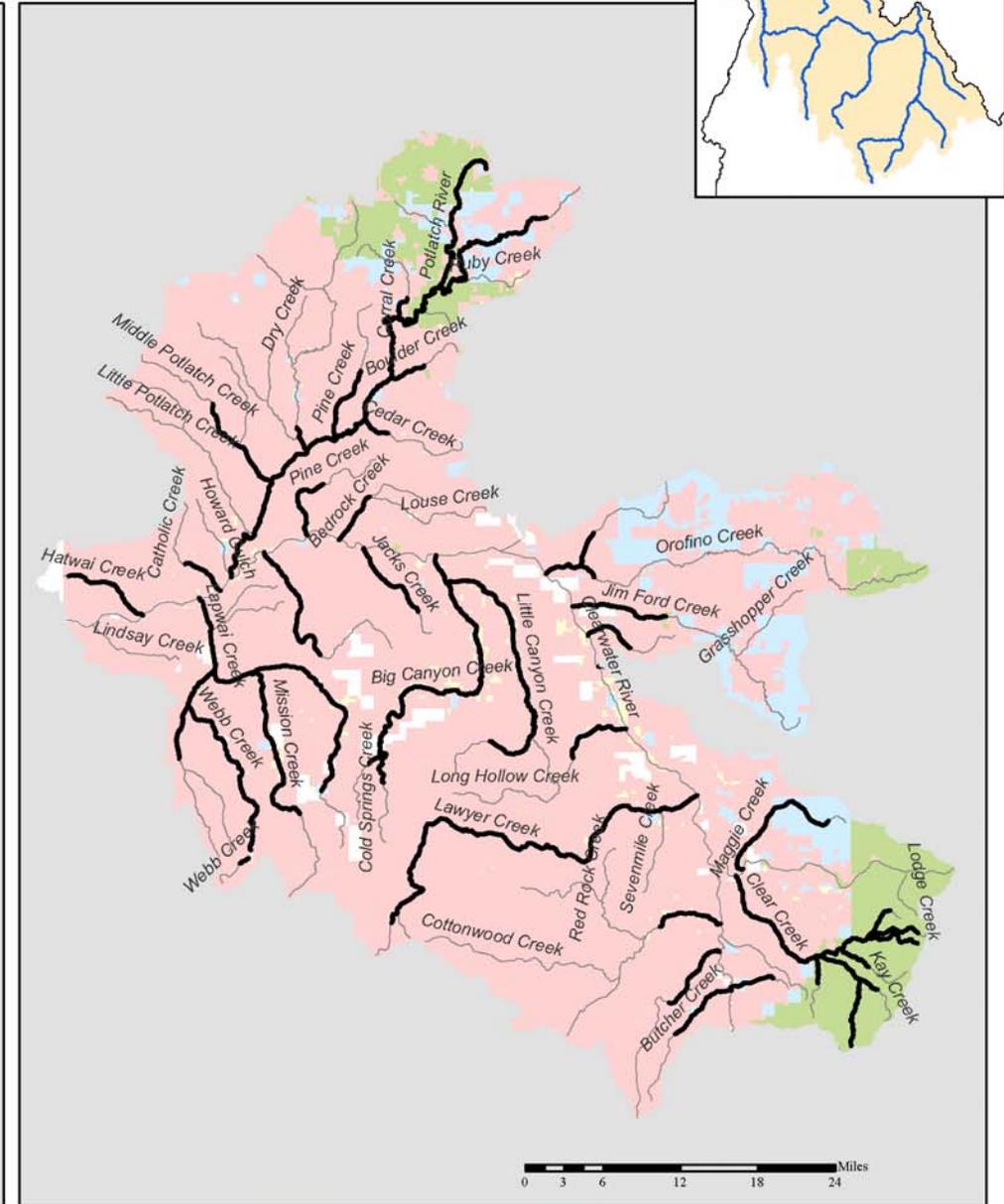
Clearwater River lower mainstem Steelhead population



Intrinsic potential for spawning and rearing

— low — moderate — high

Habitat and Spawning

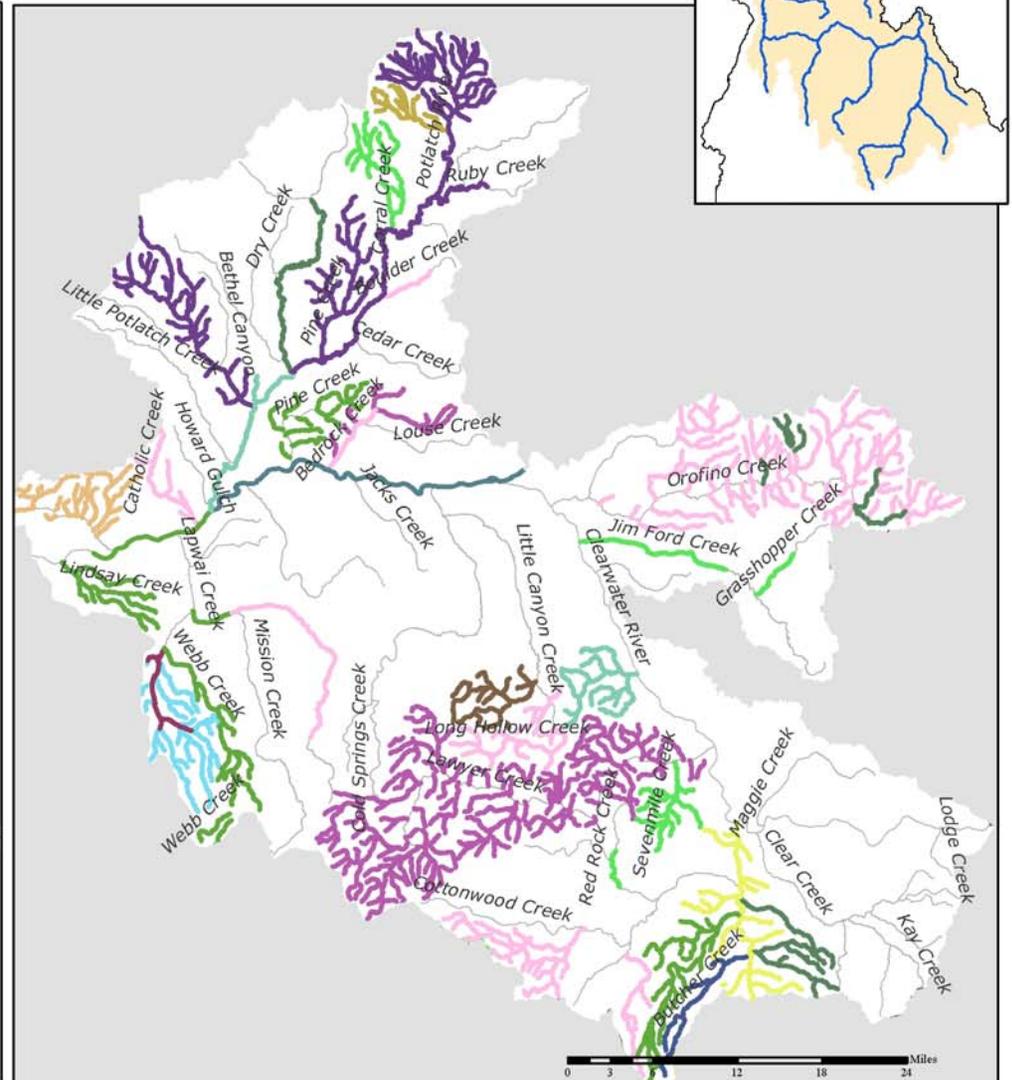
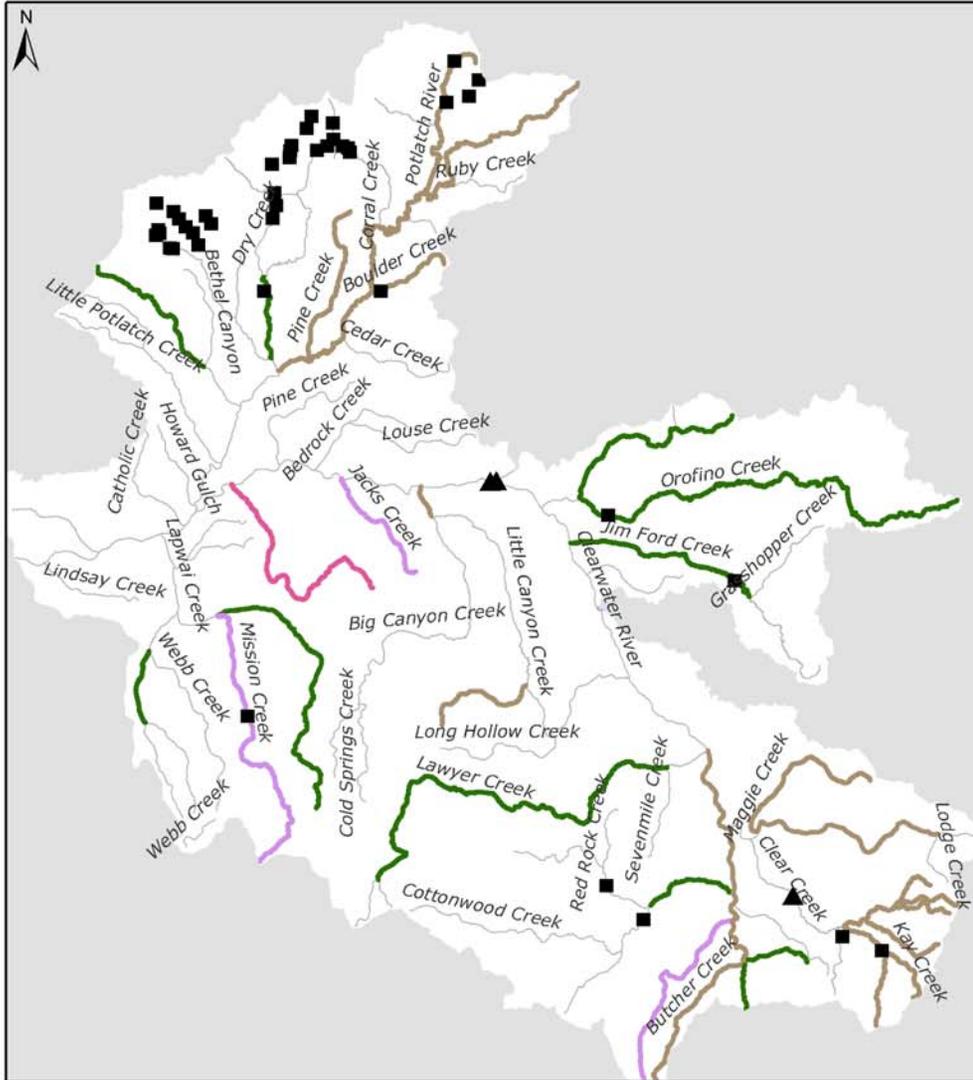
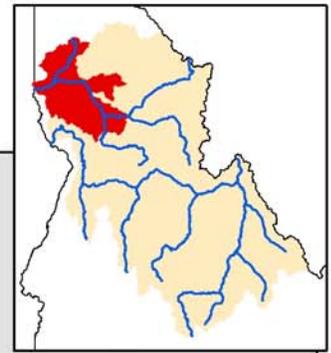


— Spawning — B.L.M. — Private
 — Forest Service — State of Idaho

Clearwater River - lower mainstem Steelhead population

Limiting Factors to Habitat

Key factors: siltation, temperature



IDFG constraints to steelhead habitat

- Channelization
- High Temperatures
- Passage Blocked
- Sedimentation

- Fish passage barriers
- ▲ Hatchery release point

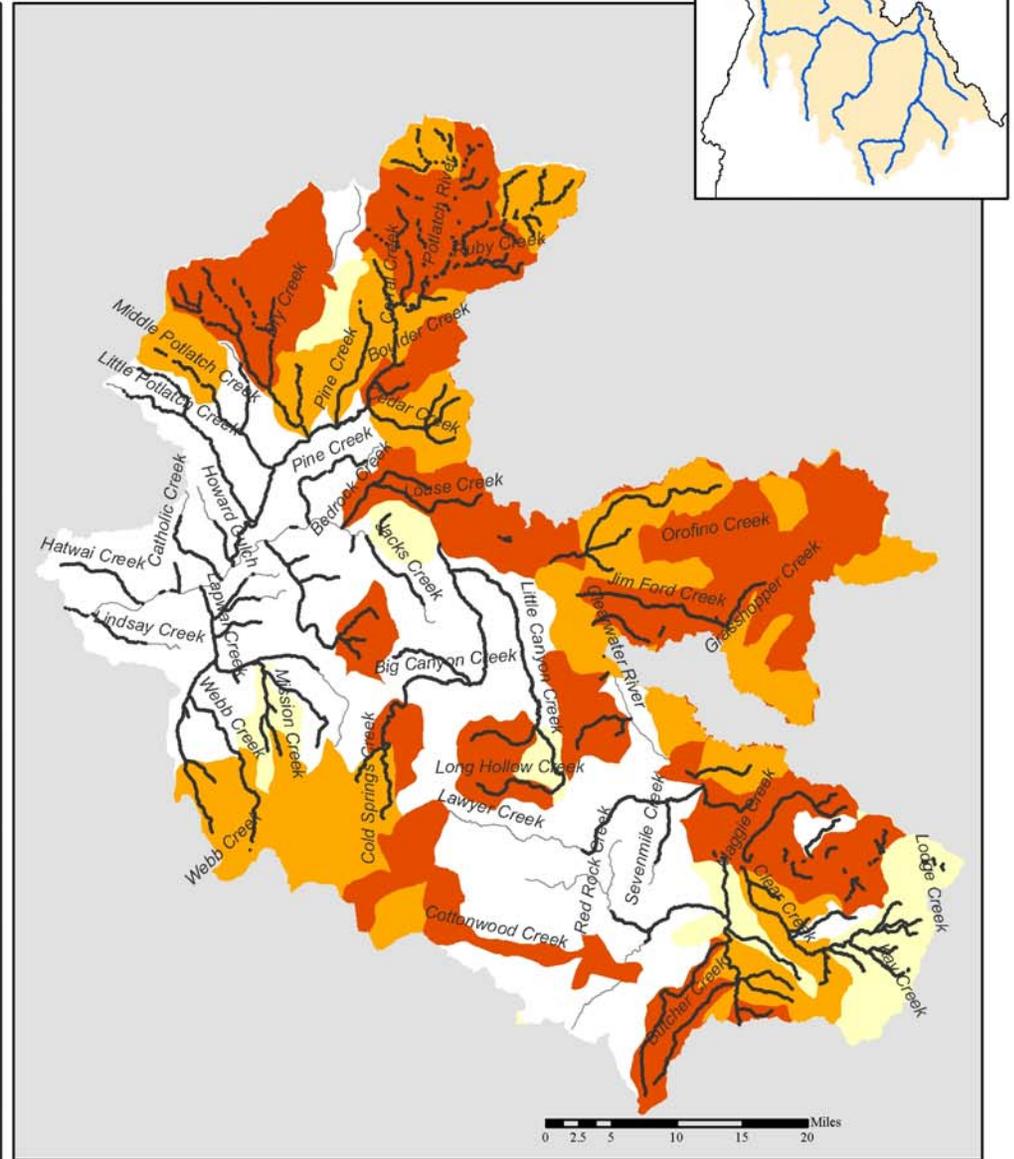
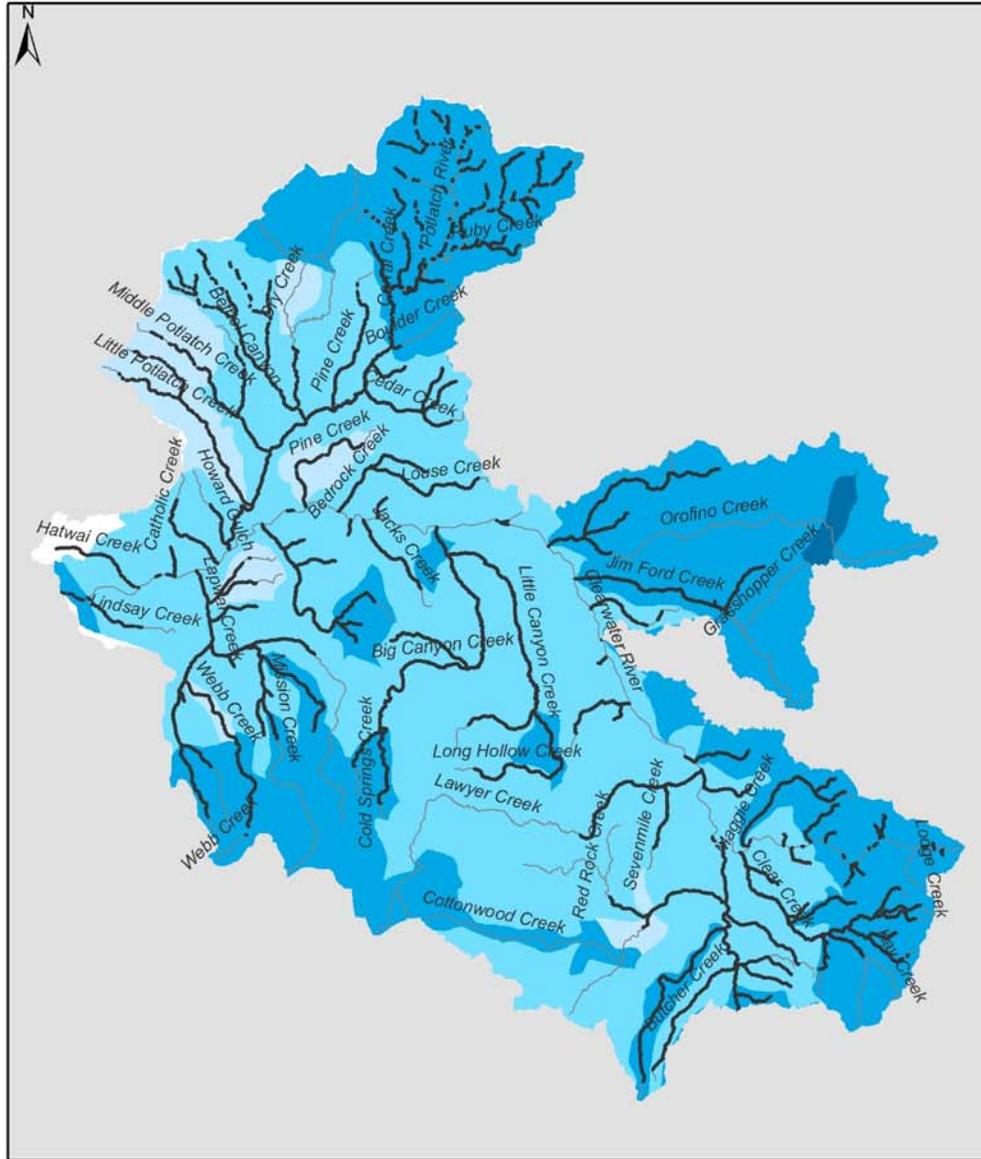
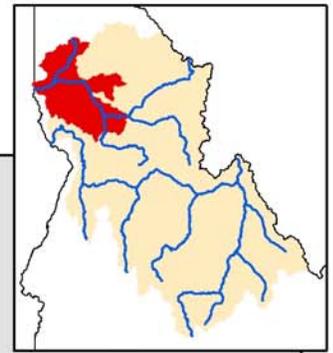
2002 303(d) listed streams:

- Cause unknown
- Dissolved oxygen
- Metals, Nutrients, Oil, Organics
- Nutrients, Oil, Organics
- Nutrients, Oil, Organics, Siltation
- Nutrients, Organics, Pesticides, Siltation
- Nutrients, Organics, Siltation, Temp
- Nutrients, Siltation, Temperature
- Nutrients, Temperature
- Nutrients, pH, Siltation, Temp
- Organics, Siltation, Temperature
- Siltation
- Siltation, Temperature
- Temperature

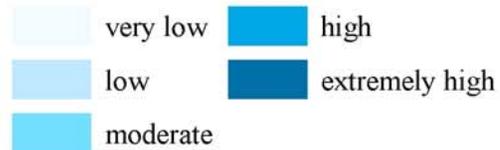
Data sources: NMFS, StreamNet, IDEQ, USFS.

Clearwater River lower mainstem Steelhead population

Threats



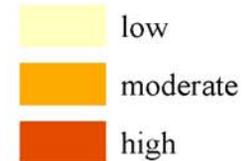
Road density



Streams with intrinsic potential

Streams without intrinsic potential

Annual forest management activity (acres)



Limiting Factors

<i>StreamNet Data</i>			<i>IDEQ's 2002 303(d) listings</i>		
Stream Name	Constraint	Length (miles)	Water body	Cause	Length (miles)
Bedrock Cr	Flow Levels Low (Dewatering)	4.3	Bedrock Creek - source to mouth	Nutrients, Oil and grease, Organics, Siltation	19.9
Big Bear Cr	Flow Levels Low (Dewatering)	1.0	Bedrock Creek - source to mouth	Cause unknown	5.8
Big Bear Cr	Passage Blocked	6.9	Big Bear Creek - confluence of West and East Fork Big Bear Creeks to mouth	Temperature	18.1
Big Canyon Cr	Flow Levels Low (Dewatering)	30.8	Boulder Creek - source to mouth	Cause unknown	4.1
Big Canyon Cr	Sedimentation	2.4	Butcher Creek - source to mouth	Organics, Siltation, Temperature	18.9
Big Cr	Flow Levels Low (Dewatering)	8.7	Catholic Creek - source to mouth	Cause unknown	16.1
Boulder Cr	Sedimentation	6.9	Clearwater River - North Fork	Dissolved oxygen	25.8
Browns Spring Cr	Sedimentation	5.0	Clearwater River to mouth	Nutrients, Organics, Siltation, Temperature	10.1
Butcher Cr	Sedimentation	12.4	Clearwater River - Potlatch River to Lower Granite Dam pool	Siltation	29.9
Catholic Cr	Flow Levels Low (Dewatering)	9.6	Corral Creek - source to mouth	Nutrients	1.6
Cedar Cr	Flow Levels Low (Dewatering)	9.7	Dworshak Reservoir	Nutrients, Siltation, Temperature	4.7
Clear Cr	Flow Levels Low (Dewatering)	11.3	East Fork Potlatch River - source to mouth	Siltation	4.3
Clear Cr	Sedimentation	9.8	Grasshopper Creek - source to mouth	Nutrients, Temperature	39.6
Clear Cr, M Fk	Sedimentation	6.7	Hawai Creek - source to mouth	Metals, Nutrients, Oil and grease, Organics	28.8
Clear Cr, S Fk	Sedimentation	9.9	Holes Creek - source to mouth	Siltation	12.2
Clearwater R	High Temperatures	62.1	Jim Ford Creek - Jim Ford Creek waterfall (12.5 miles upstream) to mouth	Nutrients, Organics, Siltation, Temperature	3.6
Clearwater R	Large Stream Size	5.1	Lapwai Creek - Winchester Lake to Sweetwater Creek	Cause unknown	16.5
Clearwater R	Sedimentation	7.0	Lapwai Creek - Winchester Lake to Sweetwater Creek	Nutrients, Oil and grease, Organics, Siltation	259.7
Clearwater R, M Fk	High Temperatures	7.0	Lawyer Creek - source to mouth	Nutrients, Organics, Siltation, Temperature	27.4
Clearwater R, M Fk	Sedimentation	15.8	Lindsay Creek - source to mouth	Cause unknown	15.0
Clearwater R, N Fk	Large Stream Size	2.0	Long Haul Creek - source to mouth	Nutrients, Organics, Siltation	4.0
Clearwater R, S Fk	Sedimentation	14.8	Long Hollow Creek - source to mouth	Cause unknown	32.6
Cold Springs Cr	Flow Levels Low (Dewatering)	9.2	Middle Potlatch Creek - source to mouth	Nutrients, Siltation, Temperature	60.3
Cottonwood Cr	Passage Blocked	7.4	Moose Creek - source to mouth	Nutrients, pH, Siltation, Temperature	19.4
Cottonwood Cr	Streambank Degradation	19.8	N F Clearwater River - Dworshak Reservoir Dam to mouth	Dissolved oxygen	2.0
Hawai Cr	Flow Levels Low (Dewatering)	10.1	Orofino Creek - source to mouth	Cause unknown	144.8
Holes Cr	Sedimentation	9.1	Orofino Creek - source to mouth	Temperature	18.7
Jacks Cr	Passage Impeded	9.6	Pine Creek - source to mouth	Nutrients, Organics, Siltation, Temperature	25.2
Jim Ford Cr	Passage Blocked	16.1	Pine Creek - source to mouth	Nutrients, Siltation, Temperature	39.8

Kay Cr	Sedimentation	5.0	Pine Creek - source to mouth	Nutrients, Oil and grease, Siltation	6.4
Lapwai Cr	Flow Levels Low (Dewatering)	9.7	Potlatch River - Big Bear Creek to mouth	Nutrients, Oil and grease, Organics	16.4
Lapwai Cr	Passage Blocked	22.6	Potlatch River - Corral Creek to Big Bear Creek	Nutrients, Siltation, Temperature	18.5
Lawyer Cr	Flow Levels Low (Dewatering)	3.5	Potlatch River - Moose Creek to Corral Creek	Nutrients, Siltation, Temperature	14.4
Lawyer Cr	Passage Blocked	33.9	Potlatch River - source to Moose Creek	Nutrients, Siltation, Temperature	70.7
Little Canyon Cr	Flow Levels Low (Dewatering)	18.5	Rabbit Creek - source to mouth	Temperature	11.2
Lolo Cr	Sedimentation	0.0	Red Rock Creek - source to Red Rock Creek waterfall (3.6 miles upstream)	Siltation	3.5
Maggie Cr	Sedimentation	13.3	Ruby Creek - source to mouth	Nutrients, Siltation, Temperature	2.1
Middle Potlatch R	Flow Levels Low (Dewatering)	4.1	Sally Ann Creek - source to mouth	Temperature	18.3
Middle Potlatch R	Passage Blocked	12.3	Sevenmile Creek - source to mouth	Siltation	26.0
Mission Cr	Passage Impeded	23.4	Shebang Creek - source to mouth	Cause unknown	42.1
Orofino Cr	Flow Levels Low (Dewatering)	3.2	Sixmile Creek - source to mouth	Nutrients, Oil and grease, Organics	33.4
Orofino Cr	Passage Blocked	36.9	South Fork Clearwater River - Butcher Creek to mouth	Siltation, Temperature	38.3
Pine Cr	Flow Levels Low (Dewatering)	12.0	South Fork Clearwater River - Johns Creek to Butcher Creek	Siltation, Temperature	13.0
Pine Cr	Sedimentation	13.0	Sweetwater Creek - source to Webb Creek	Nutrients, Organics, Pesticides, Siltation, Temperature	47.7
Pine Knob Cr	Sedimentation	4.1	Sweetwater Creek - source to Webb Creek	Nutrients, Organics, Pesticides, Siltation	9.9
Potlatch R	Flow Levels Low (Dewatering)	14.1	Threemile Creek - source to mouth	Nutrients, Organics, Siltation, Temperature	49.8
Potlatch R	Sedimentation	40.4	Webb Creek - source to mouth	Nutrients, Organics, Siltation, Temperature	34.8
Potlatch R, E Fk	Sedimentation	20.6	Whiskey Creek - source to mouth	Cause unknown	20.8
Sally Ann Cr	Passage Blocked	5.3			
Sixmile Cr	Flow Levels Low (Dewatering)	8.1			
Sweetwater Cr	Flow Levels Low (Dewatering)	3.7			
Sweetwater Cr	Passage Blocked	5.6			
Threemile Cr	Passage Impeded	18.1			
Webb Cr	Flow Levels Low (Dewatering)	18.8			
Whiskey Cr	Passage Blocked	16.2			

Idaho Department of Environmental Quality. 2006. 2002-2003 305(b) Integrated Report, vector data. Available through Inside Idaho: <http://inside.uidaho.edu/geodata/find.htm>

Idaho Department of Fish and Game. 1989. Habitat Quality for Smolt Density Model, vector data. Available through StreamNet: <http://www.streamnet.org/>