

Categorical Exclusion Determination

Bonneville Power Administration
Department of Energy



Proposed Action: Upper Salmon Basin Fish Screen Operation and Maintenance

Project No.: 2007-399-00

Project Manager: Cecelia Brown, EWM-4

Location: Lemhi and Custer Counties, Idaho

Categorical Exclusion Applied (from Subpart D, 10 C.F.R. Part 1021): B1.20 Protection of Cultural Resources, Fish and Wildlife Habitat

Description of the Proposed Action: Bonneville Power Administration proposes to fund the Idaho Department of Fish and Game to conduct routine operation and maintenance of 267 fish screens (structures designed to prevent fish entrapment in irrigation ditches or irrigated fields) in the Upper Salmon River Basin. This work would be conducted throughout the eight-month irrigation season from March 15 - November 15th. The actions would include removing, installing, replacing, upgrading, maintaining, or operating existing fish exclusion screens and associated fish bypass systems to prevent fish entrapment in irrigation canals or other surface water diversions.

The actions would include installing, replacing, upgrading, removing, maintaining, or operating fish exclusion screens and associated fish bypass systems to prevent fish entrapment in irrigation canals or other surface water diversions for existing water diversions. All O&M sites would be accessed via existing access roads or access paths.

These operation and maintenance actions are typically minor in nature and would include:

- Lubricating moving parts
- Manually cleaning screen material, bypass pipes, and trash racks
- Maintaining bypass outfalls to ensure a safe landing area for fish and maintaining entrance areas to minimize false attraction flows.
- Removing material from bypass pipe to maintain safe fish return to waterway
- Inspecting and replacing screen seal material
- Adjusting weir boards and/or bypass orifice to maintain proper water levels for screen's submergence and debris removal
- Replacing screen material, bypass pipe, gear boxes, u-joints, bearings, and other worn-out parts
- Adjusting cleaning arms, carriages, cable, pulleys, and brushes to maintain good contact with screen for debris removal
- Removing accumulated sediment and debris by hand
- Mechanical removal of vegetation that prevents fish screens from operating properly
- Replacing batteries and other components of solar power systems
- Repairing paddlewheels and other components of paddlewheel driven power systems
- Removing sediment and debris and/or adjusting fish passage conditions in fishways by hand
- Annual installation or removal of fish screen and components
- Screen adjustments
- Installation of water measuring devices behind fish screens (dewatered)
- Inspecting, maintaining, or repairing headgates at the start of diversions (dewatered)
- Inspecting, maintaining, or repairing return-flow outlets

These actions would be performed to some degree on all 267 fish screens in the Upper Salmon Basin. The screen locations are identified in Attachment 1.

Findings: In accordance with Section 1021.410(b) of the Department of Energy's (DOE) National Environmental Policy Act (NEPA) Regulations (57 FR 15144, Apr. 24, 1992, as amended at 61 FR 36221-36243, Jul. 9, 1996; 61 FR 64608, Dec. 6, 1996, 76 FR 63764, Nov. 14, 2011), BPA has determined that the proposed action:

- (1) fits within a class of actions listed in Appendix B of 10 CFR 1021, Subpart D (see attached Environmental Checklist);
- (2) does not present any extraordinary circumstances that may affect the significance of the environmental effects of the proposal; and
- (3) has not been segmented to meet the definition of a categorical exclusion

Based on these determinations, BPA finds that the proposed action is categorically excluded from further NEPA review.

/s/ Robert W. Shull

Robert W Shull
Contract Environmental Protection Specialist
CorSource Technology Group

Reviewed by:

/s/ Chad Hamel

Chad Hamel
Supervisory Environmental Protection Specialist

Concur:

/s/ Katey Grange

Katey Grange
NEPA Compliance Officer

Date: June 16, 2020

Attachment(s): Environmental Checklist, List of Fish Screen O&M Sites

Categorical Exclusion Environmental Checklist

This checklist documents environmental considerations for the proposed project and explains why the project would not have the potential to cause significant impacts on environmentally sensitive resources and would meet other integral elements of the applied categorical exclusion.

Proposed Action:

Upper Salmon Basin Fish Screen Operation and Maintenance

Project Site Description

These fish screens are located along the mainstem Salmon River, North Fork Salmon River, Lemhi River, Pahsimeroi River, East Fork Salmon River, Valley Creek and associated tributaries within these rivers' subbasins. They are sited on existing irrigation ditches or in conjunction with irrigation water diversion infrastructures. The structures are accessed by existing roads and farm-tracks, and are located on land that has been previously disturbed. They are mostly in riparian habitats, though some are in sagebrush-steppe habitats adjacent to riparian habitats. They are all in agricultural settings in remote rural locations throughout the Upper Salmon subbasin.

Evaluation of Potential Impacts to Environmental Resources

Environmental Resource Impacts	No Potential for Significance	No Potential for Significance, with Conditions
1. Historic and Cultural Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> All proposed O&M activities would be occurring on fish screens (younger than 50years) and there would be no ground disturbance to maintain the screens. There is therefore no potential to effect historic or cultural resources.		
2. Geology and Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> There would be no effect to geology or soils. All maintenance would be on existing structures and accessed on existing roads. There would be no new ground disturbance.		
3. Plants (including Federal/state special-status species and habitats)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> Maintenance of existing structures would use existing access routes. There would be no new soil disturbance or disturbance of native vegetation (other than what may have grown into the structure and thereby hampering its function). No ESA-listed or "special status" plant species have been identified occupying the existing fish screen sites.		
4. Wildlife (including Federal/state special-status species and habitats)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Explanation:</u> There would be temporary disturbance and displacement of wildlife in the immediate area of the fish screens due to noise and human presence from maintenance activities. No habitat would be altered (no new ground or vegetation disturbance). There would be no long-term effect on wildlife or their habitat. ESA consultation of screen maintenance activities has been completed using BPA's Habitat Improvement Program (HIP) ESA consultation, and US Fish and Wildlife Service and National Marine Fisheries Service (the Services) are notified each year of the low-risk activities, listed above, that would be implemented according to the conservation measures in that consultation.		

5. **Water Bodies, Floodplains, and Fish**

(including Federal/state special-status species, ESUs, and habitats)

Explanation: Actions would be conducted outside of aquatic habitats (*i.e.* in irrigation ditches or diversion structures closed for maintenance actions) and would have no effect on ESA-listed fish. Even given BPA's "no effect" determination, ESA consultation of screen maintenance activities has been completed using BPA's HIP ESA consultation, and the Services are notified each year of the low-risk activities, listed above, that would be implemented according to the conservation measures in that consultation.

6. **Wetlands**

Explanation: Maintenance is on existing structures located outside of wetlands. There would be no impact.

7. **Groundwater and Aquifers**

Explanation: No groundwater withdrawal would occur, and no discharge of pollutants. There would be no effect on groundwater or aquifers.

8. **Land Use and Specially-Designated Areas**

Explanation: Maintenance is on existing structures with no changes to annual irrigation water availability. There would be no effect on land uses.

9. **Visual Quality**

Explanation: Occupancy of the site by trucks or other maintenance vehicles may temporarily intrude on what would otherwise be a pastoral or agricultural landscape. Effect would be for hours or days only. There would be no change to the structures that would be inconsistent with an agricultural landscape.

10. **Air Quality**

Explanation: Minor, temporary generation of emissions associated with increased vehicular traffic would be expected during maintenance activities.

11. **Noise**

Explanation: Minor and temporary intermittent noise would occur during maintenance actions which would be during daylight hours only. Noise type and level would be consistent with the surrounding agricultural setting.

12. **Human Health and Safety**

Explanation: No hazardous materials are proposed for use in any quantity (lubricants in small quantities, perhaps). No potential for spills or drips beyond very minor amounts at the points of work. There would be no occupancy or blockage of roads or other travel routes; availability for use by local emergency response vehicles would not be hindered. No maintenance activities have the potential to create situations that might strain public health or safety/emergency services in the area.

Evaluation of Other Integral Elements

The proposed project would also meet conditions that are integral elements of the categorical exclusion. The project would not:

- Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders.

Explanation, if necessary:

- Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities

(including incinerators) that are not otherwise categorically excluded.

Explanation, if necessary:

- Disturb hazardous substances, pollutants, contaminants, or CERCLA excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases.

Explanation, if necessary:

- Involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those of the Department of Agriculture, the Environmental Protection Agency, and the National Institutes of Health.

Explanation, if necessary:

Landowner Notification, Involvement, or Coordination

Description: Operation and maintenance of existing irrigation fish screen structures occurs with communication and coordination with landowners, the water master, and water-rights holders as the operation and maintenance situation warrants. Routine maintenance actions, however, are well known to affected parties, and are understood to occur each year.

Based on the foregoing, this proposed project does not have the potential to cause significant impacts to any environmentally sensitive resource.

Signed: /s/ Robert W. Shull

Robert W Shull

Contract Environmental Protection Specialist (If CFTE)

CorSource Technology Group

Date: June 16, 2020

Attachment 1: Fish Screen O&M sites in the Upper Salmon River Basin

Upper Salmon Basin Fish Screens				
ID	Screen Name	Stream name	Longitude	Latitude
001	L-02	Lemhi River	-113.87105	45.17147
002	L-03	Lemhi River	-113.84187	45.16127
003	L-03A	Lemhi River	-113.81445	45.15291
004	L-03AO	Lemhi River	-113.83286	45.16080
005	L-06	Lemhi River	-113.79720	45.12920
006	L-07	Lemhi River	-113.78745	45.12205
007	L-08	Lemhi River	-113.77957	45.12037
008	L-08A	Lemhi River	-113.75279	45.11432
009	L-09	Lemhi River	-113.75048	45.11372
010	L-10	Lemhi River	-113.73894	45.10562
011	L-13	Lemhi River	-113.72176	45.09336
012	L-14	Lemhi River	-113.72126	45.08916
013	L-15	Lemhi River	-113.71593	45.07998
014	L-16/17	Lemhi River	-113.70556	45.07036
015	L-19	Lemhi River	-113.68964	45.05561
016	L-20	Lemhi River	-113.67879	45.04653
017	L-21	Lemhi River	-113.67628	45.04152
018	L-22	Lemhi River	-113.67323	45.03818
019	L-22A/23	Lemhi River	-113.66563	45.03467
020	L-24	Lemhi River	-113.65791	45.01307
021	L-25	Lemhi River	-113.65802	45.01257
022	L-26	Lemhi River	-113.65676	45.00930
023	L-27	Lemhi River	-113.65276	44.99320
024	L-28	Lemhi River	-113.64956	44.98752
025	L-29	Lemhi River	-113.64614	44.98345
026	L-30	Lemhi River	-113.64709	44.96872
027	L-30A	Lemhi River	-113.64356	44.95619
028	L-31	Lemhi River	-113.64290	44.95917
029	L-31A	Lemhi River	-113.63506	44.92738
030	L-31B	Lemhi River	-113.64125	44.94333
031	L-32	Lemhi River	-113.63271	44.92221
032	L-33	Lemhi River	-113.63439	44.92069
033	L-34	Lemhi River	-113.62948	44.91688
034	L-35	Lemhi River	-113.62859	44.91234
035	L-35A	Lemhi River	-113.62549	44.91199
036	L-36/37	Lemhi River	-113.62835	44.90010
037	L-38	Lemhi River	-113.62669	44.89029
038	L-39	Lemhi River	-113.62901	44.88246
039	L-40	Lemhi River	-113.62827	44.87510
040	L-41/42	Lemhi River	-113.62531	44.87004

041	L-43	Lemhi River	-113.61641	44.85399	
042	L-43A	Lemhi River	-113.61966	44.85095	
043	L-43B	Lemhi River	-113.61928	44.84626	
044	L-44	Lemhi River	-113.61076	44.83091	
045	L-45	Lemhi River	-113.61095	44.83017	
046	L-45A	Lemhi River	-113.58029	44.81523	
047	L-45B	Lemhi River	-113.57371	44.80911	
048	L-45C/D	Lemhi River	-113.56702	44.80629	
049	L-46/46A	Lemhi River	-113.56060	44.79622	
050	L-47	Lemhi River	-113.54809	44.78134	
051	L-48/49	Lemhi River	-113.54192	44.78012	
052	L-51	Lemhi River	-113.50662	44.76691	
053	L-51A	Lemhi River	-113.50140	44.76266	
054	L-53,57	Lemhi River	-113.47456	44.74905	
055	L-58	Lemhi River	-113.47673	44.74849	
056	L-58B	Lemhi River	-113.44832	44.73629	
057	L-58C	Lemhi River	-113.43508	44.73046	
058	L-59	Lemhi River	-113.42144	44.72760	
059	L-60	Lemhi River	-113.41121	44.71911	
060	L-61	Lemhi River	-113.40479	44.71543	
061	L-61A	Lemhi River	-113.38288	44.70120	
062	L-62	Lemhi River	-113.38013	44.70206	
063	L-62A	Lemhi River	-113.36763	44.69262	
064	LBC-03	Bohannon Ck.	-113.73318	45.12180	
065	LBC-04	Bohannon Ck.	-113.72355	45.13252	
066	LBC-05	Bohannon Ck.	-113.71915	45.13519	
067	LBC-06	Bohannon Ck.	-113.71395	45.14214	
068	LBC-07	Bohannon Ck.	-113.71015	45.16792	
069	LBC-09	Bohannon Ck.	-113.70397	45.17976	
070	LBSC-01	Big Springs	-113.42836	44.72279	
071	LBSC-02	Big Springs	-113.42561	44.72439	
072	LBSC-03	Big Springs	-113.41455	44.71515	
073	LBSC-04	Big Springs	-113.41357	44.71570	
074	LBSC-05	Big Springs	-113.41115	44.71201	
075	LBSC-05A	Big Springs	-113.40873	44.71240	
076	LBSC-06	Big Springs	-113.39149	44.70340	
077	LCC-03	Canyon Creek	-113.31336	44.70024	
078	LEM-01	Eighteen Mile Ck.	-113.33359	44.67636	
079	LEM-02	Eighteen Mile Ck.	-113.33385	44.67536	
080	LHawC-02	Hawley Ck.	-113.21565	44.65898	
081	LHawC-03	Hawley Ck.	-113.20246	44.66113	
082	LHC-01	Hayden Ck.	-113.62776	44.86773	
083	LHC-03	Hayden Ck.	-113.64283	44.85258	

084	LHC-05	Hayden Ck.	-113.65902	44.84078	
085	LHC-04/06/07	Hayden Ck.	-113.65506	44.84247	
086	LHC-08	Hayden Ck.	-113.67416	44.83050	
087	LHC-08B	Hayden Ck.	-113.68503	44.81301	
088	LHC-09	Hayden Ck.	-113.69128	44.80453	
089	LHC-10	Hayden Ck.	-113.69685	44.79798	
090	LHC-11	Hayden Ck.	-113.69552	44.79756	
091	LHCEF-01	East Fork Hayden	-113.70988	44.75854	
092	LHC-HATCH	Hayden Ck.	-113.66377	44.83799	
093	LKC-02	Kenney Ck.	-113.64351	45.03184	
094	LKC-03	Kenney Ck.	-113.61464	45.04559	
095	LPC-01	Pratt Creek	-113.67641	45.08815	
096	LSC-02	Sandy Ck.	-113.70442	45.07988	
097	LWC-01	Wimpey Ck.	-113.71778	45.09957	
098	LWC-02	Wimpey Ck.	-113.71557	45.09920	
099	LWC-03	Wimpey Ck.	-113.70961	45.10203	
100	LWC-04	Wimpey Ck.	-113.70693	45.10391	
101	LWC-05	Wimpey Ck.	-113.70078	45.10585	
102	P-01A	Pahsimeroi River	-114.03678	44.67637	
103	P-02,03	Pahsimeroi River	-114.03018	44.66449	
104	P-04	Pahsimeroi River	-114.02290	44.65617	
105	P-05	Pahsimeroi River	-114.02099	44.65147	
106	P-06	Pahsimeroi River	-114.01176	44.65197	
107	P-07	Pahsimeroi River	-114.00596	44.64079	
108	P-08	Pahsimeroi River	-113.98510	44.61882	
109	P-09	Pahsimeroi River	-113.97942	44.61856	
110	P-10	Pahsimeroi River	-113.94669	44.58937	
111	P-12	Pahsimeroi River	-113.92219	44.56773	
112	P-13	Pahsimeroi	-113.92694	44.57376	
113	P-16	Pahsimeroi	-113.82000	44.49000	
114	PBSC-01	Big Springs Patterson	-113.95928	44.60977	
115	PBSC-02	Big Springs Patterson	-113.94952	44.60739	
116	PBSC-03	Big Springs Patterson	-113.93706	44.59533	
117	PBSC-04	Big Springs Patterson	-113.91112	44.57151	
118	PBSC-06	Big Springs Patterson	-113.89866	44.56396	
119	PBSC-07,08	Big Springs Patterson	-113.89007	44.56267	
120	PBSC-10	Big Springs Patterson	-113.85000	44.54000	
121	PHatch-01	Pahsimeroi River	-114.03816	44.68249	
122	PHatch-02	Pahsimeroi River	-113.98512	44.62140	
123	PSC-01	Pahsimeroi River (Sulphur Ck.)	-113.91824	44.54580	
124	S-02	Salmon River	-113.96448	45.36518	
125	S-03	Salmon River	-113.92912	45.33833	
126	S-04A	Salmon River	-113.90088	45.26451	

127	S-05,06,07	Salmon River	-113.89763	45.24922	
128	S-08	Salmon River	-113.88787	45.23021	
129	S-09	Salmon River	-113.89289	45.24605	
130	S-10	Salmon River	-113.89355	45.18576	
131	S-11	Salmon River	-113.89443	45.10528	
132	S-12	Salmon River	-113.89369	45.10454	
133	S-13/14	Salmon River	-113.89556	45.08971	
134	S-15	Salmon River	-113.90184	45.08118	
135	S-16	Salmon River	-113.92039	45.03828	
136	S-17	Salmon River	-113.93280	45.01756	
137	S-22	Salmon River	-114.16885	44.61161	
138	S-23	Salmon River	-114.18149	44.60017	
139	S-23A	Salmon River	-114.18780	44.59514	
140	S-28	Salmon River	-114.22224	44.45857	
141	S-32	Salmon River	-114.22004	44.43155	
142	S-33	Salmon River	-114.26033	44.38508	
143	S-33A	Salmon River	-114.26708	44.36028	
144	S-35	Salmon River	-114.30303	44.28759	
145	S-39	Salmon River	-114.93160	44.19486	
146	S-39A	Salmon River	-114.92579	44.18478	
147	S-40	Salmon River	-114.84564	44.05995	
148	S-41	Salmon River	-114.83990	44.05405	
149	S-41BACK	Salmon River	-114.83896	44.05423	
150	S-42	Salmon River	-114.83429	44.03601	
151	S-43	Salmon River	-114.83499	44.03466	
152	S-47	Salmon River	-114.78901	43.90285	
153	SBaC-01	Bayhorse Ck.	-114.25872	44.37966	
154	SBaC-03	Bayhorse Ck.	-114.26580	44.38165	
155	SBaC-04	Bayhorse Ck.	-114.26891	44.38116	
156	SCC-03	Carmen Ck.	-113.87000	45.24000	
157	SCC-04	Carmen Ck.	-113.86422	45.25132	
158	SCC-05	Carmen Ck.	-113.85881	45.25516	
159	SCC--06	Carmen Ck.	-113.84499	45.26172	
160	SCC-07	Carmen Ck.	-113.83264	45.26560	
161	SCC-08/09	Carmen Ck.	-113.82655	45.27025	
162	SCC-10/11	Carmen Ck.	-113.81542	45.28592	
163	SCC-12	Carmen Ck.	-113.80738	45.29440	
164	SCC-13	Carmen Ck.	-113.80325	45.30378	
165	SCC-14	Carmen Ck.	-113.80420	45.31239	
166	SCCFC-01	Freeman Ck.	-113.81285	45.27844	
167	SCCFC-02	Freeman Ck.	-113.79586	45.27883	
168	SCCFC-03	Freeman Ck.	-113.78194	45.27638	
169	SChaC-01	Challis Ck.	-114.19434	44.56926	

170	SChaC-02	Challis Ck.	-114.20175	44.56637	
171	SChaC-03	Challis Ck.	-114.22711	44.56385	
172	SChaC-04	Challis Ck.	-114.24242	44.56204	
173	SChaC-08	Challis Ck.	-114.27196	44.56037	
174	SChaC-08A	Challis Ck.	-114.27218	44.56065	
175	SChaC-09	Challis Ck.	-114.30355	44.57193	
176	SChaC-11	Challis Ck.	-114.35004	44.57330	
177	SChaC-13	Challis Ck.	-114.35360	44.57274	
178	SChC-01	Champion Ck.	-114.81303	44.01622	
179	SChC-02,05	Champion Ck.	-114.78956	44.01428	
180	SChC-03,04	Champion Ck.	-114.78277	44.01401	
181	SCoC-02/03	Cow Ck.	-113.99946	44.73948	
182	SEF-03	East Fork Salmon	-114.27946	44.21353	
183	SEF-04	East Fork Salmon	-114.28883	44.19852	
184	SEF-05	East Fork Salmon	-114.28640	44.18131	
185	SEF-06	East Fork Salmon	-114.28498	44.17909	
186	SEF-07,08	East Fork Salmon	-114.30301	44.15184	
187	SEF-09	East Fork Salmon	-114.32332	44.14401	
188	SEF-10,11	East Fork Salmon	-114.36369	44.14570	
189	SEF-12	East Fork Salmon	-114.37646	44.14675	
190	SEF-13	East Fork Salmon	-114.39020	44.14560	
191	SEF-14	East Fork Salmon	-114.40083	44.13939	
192	SEF-15	East Fork Salmon	-114.41854	44.13061	
193	SEF-16	East Fork Salmon	-114.42213	44.12411	
194	SEF-17	East Fork Salmon	-114.42475	44.12338	
195	SEF-18	East Fork Salmon	-114.43502	44.10739	
196	SEF-18A	East Fork Salmon	-114.44169	44.09268	
197	SEF-19	East Fork Salmon	-114.45366	44.08034	
198	SEFBBC-01	Big Boulder Ck.	-114.43728	44.11501	
199	SEFBBC-02	Big Boulder Ck.	-114.43796	44.11409	
200	SEFGC-01	Germania Ck.	-114.46172	44.03983	
201	SEFHC-01	Herd Creek	-114.30027	44.15421	
202	SEFHC-02	Herd Creek	-114.29515	44.14981	
203	SEFHC-03	Herd Creek	-114.25634	44.11002	
204	SFJC-01	Fourth of July Ck. Stanley Basin	-114.82971	44.02993	
205	SFJC-02	Fourth of July Ck. Stanley Basin	-114.80154	44.02919	
206	SFJC-03	Fourth of July Ck. Stanley Basin	-114.75834	44.04126	
207	SGaC-01	Garden Creek	-114.25314	44.50527	
208	SGC-01	Gold Ck.	-114.86196	44.10795	
209	SGC-02,3	Gold Ck.	-114.85483	44.10789	
210	SGC-04	Gold Ck.	-114.84428	44.11636	
211	SIC-07	Salmon Iron Ck.	-114.03509	44.91026	
212	SIC-08	Salmon Iron Ck.	-114.04405	44.91392	

213	SIC-09	Salmon Iron Ck.	-114.04921	44.91634	
214	SlyC-01	Lyon Creek	-114.29727	44.32382	
215	SMC-01/03	Morgan Ck.	-114.17251	44.61368	
216	SMC-04/05	Morgan Ck.	-114.18160	44.62084	
217	SMC-06	Morgan Ck.	-114.18880	44.62724	
218	SMC-07	Morgan Ck.	-114.19025	44.62773	
219	SMFLCCC-01	Middle Fork Loon Ck. Cache Ck.	-114.80374	44.80183	
220	SMFLCMC	Middle Fork Loon Ck. Marsh Ck.	-114.84241	44.54240	
221	SMFMCKC-01	Middle Fork Marsh Ck. Knapp Ck.	-115.10937	44.37481	
222	SNF-01	North Fork Salmon	-113.99428	45.41751	
223	SNF-02A	North Fork Salmon	-113.99401	45.42429	
224	SNF-03	North Fork Salmon	-113.99179	45.43296	
225	SNF-03A	North Fork Salmon	-113.99205	45.45383	
226	SNF-04/05	North Fork Salmon	-113.99123	45.46855	
227	SNF-06	North Fork Salmon	-113.98011	45.48526	
228	SNF-06A	North Fork Salmon	-113.97504	45.48696	
229	SNF-07	North Fork Salmon	-113.97185	45.48958	
230	SNF-07A	North Fork Salmon	-113.96461	45.49631	
231	SNF-08	North Fork Salmon	-113.93964	45.51152	
232	SNF-09	North Fork Salmon	-113.93419	45.52791	
233	SNF-11	North Fork Salmon	-113.93478	45.54775	
234	SNF-13	North Fork Salmon	-113.94568	45.55987	
235	SNFDC-01	Dahlonga Ck.	-113.92844	45.53907	
236	SNFSC-01	Sheep Ck.	-113.94942	45.50031	
237	SPC-01	Pole Ck.	-114.75791	43.90965	
238	SPoC-01	Poison Creek	-113.94748	44.87957	
239	SSC-01	Squaw Ck.	-114.45837	44.25805	
240	SSC-02	Squaw Ck.	-114.46002	44.26166	
241	SSC-03	Squaw Ck.	-114.45917	44.26315	
242	SSC-04	Squaw Ck.	-114.46745	44.28020	
243	SSC-05	Squaw Ck.	-114.47364	44.29327	
244	SSC-06	Squaw Ck.	-114.47544	44.29839	
245	SSmC-01	Smiley Ck.	-114.79888	43.90502	
246	STMC-02	Twelve Mile Ck.	-113.91763	45.01121	
247	SToC-03	Tower Creek	-113.83974	45.35597	
248	SVC-01	Valley Ck.	-115.00674	44.27154	
249	SVC-02/03	Valley Ck.	-115.01272	44.28826	
250	SVC-04	Valley Ck.	-115.01406	44.28950	
251	SVC-05,06	Valley Ck.	-115.05458	44.31021	
252	SVCEC-01	Elk Ck.	-115.02743	44.29041	
253	SVCGC-6-7	Goat Ck.	-114.97194	44.20026	
254	SVCIC-02	Valley Ck. Iron Ck.	-114.96235	44.22112	
255	SVCIC-03	Valley Ck. Iron Ck.	-114.97042	44.21576	

256	SVCIC-04,5,6	Valley Ck. Iron Ck.	-114.97636	44.21383	
257	SVCIC-07	Valley Ck. Iron Ck.	-114.98000	44.21200	
258	SVCSLC-01	Stanley Lake Ck.	-115.02573	44.25871	
259	SWC-01	Warm Ck., Stanley Basin	-114.82691	44.00127	
260	SWmC-01	Williams Ck., Stanley Basin	-114.85792	44.09795	
261	SWmC-02,03	Williams Ck., Stanley Basin	-114.84648	44.09433	
262	SWmC-04	Williams Ck., Stanley Basin	-114.84552	44.09447	
263	SWSC-01	Warm Springs Ck.	-114.67541	44.25411	
264	LSRR-01	Little Salmon River, Rapid River	-116.36795	45.36964	
265	LSRR-02	Little Salmon River, Rapid River	-116.37352	45.36610	
266	LSRR-03	Little Salmon River, Rapid River	-116.38756	45.35898	
267	LSRRSC-01	Little Salmon River, Rapid River, Shingle Creek	-116.39080	45.35580	