2021-2023 Brian Abbott Fish Barrier Removal Board - Review of Draft Proposals

Scores are based on office and field reviews

Rank	FBRB ID	FPDSI Site ID	Stream	% Pass	Barrier Severity Score	# of d/s barriers	Downstream Barriers Score	Linear gain (miles)[1]	Linear Gain Score	Species Score	Habitat Quality Score	Design Approach Score	Scope	Project Readiness Score	Anticipated $ Request (for entire pkg.)	Cumulative Cost	Anticipated Costs Score	Priority Watershed Score	Total Score	Project Funded in a Previous Biennia
1	42	106c0159	NF Ostrander Creek	67	3	0	10	18.75	10	5	5	5	Restoration	2	$ 1,645,600.00	$ 1,645,600.00	6	20	66	Yes
2	46	021(94001)(15790)	MF Newaukum River	33	6	0	10	3.5	5	2	4	5	Restoration	5	$ 689,195.00	$ 2,334,795.00	7	20	64	Yes
3	21	040016	Beaver Creek	67	3	0	10	1.55	3	3	7	5	Restoration	2	$ 251,110.00	$ 2,585,905.00	7	20	60	No
4	73	Col05.43	Coleman Creek	0	8	0	10	1	2	4	5	4	Restoration	3	$ 1,583,321.00	$ 4,169,226.00	4	20	60	No
5	80	810283	Unnamed	33	4	0	10	0.61	1	1	4	3	Planning	2	$ 265,200.00	$ 4,434,426.00	8	20	53	No
6	06	106c0080	Stillwater Creek	0	8	0	10	7.4	8	4	6	5	Planning	2	$ 351,900.00	$ 4,786,326.00	5	5	53	No
7	43	106c0057	Delameter Creek	33	6	0	10	3.11	5	4	4	4	Restoration	2	$ 1,303,050.00	$ 6,089,376.00	6	10	51	Yes
8	36	991412	Hungry Harbor Creek	0	8	0	10	1.2	2	5	6	5	Restoration	5	$ 89,098.00	$ 6,178,474.00	10	0	51	No
9	51	950030	Naches River	33	6	0	10	233	10	4	7	5	Restoration	3	$ 4,134,000.00	$ 10,312,474.00	6	0	51	No
10	16	91A0002	Wildboy Creek	0	8	0	10	6.5	8	2	7	5	Restoration	3	$ 1,500,000.00	$ 11,812,474.00	7	0	50	No
11	84	80001261	Johnson Creek	Unknown	1	0	10	2.4	4	2	5	4	Restoration	1	$ 7,124,700.00	$ 18,937,174.00	3	20	50	Yes
12	63	160508	Thorndyke Creek	33	6	0	10	9.73	9	3	8	4	Restoration	3	$ 1,984,000.00	$ 20,921,174.00	6	0	49	Yes
13	28	18.0160 3.30	McDonald Creek	33	6	0	10	6	8	3	4	3	Restoration	6	$ 420,341.00	$ 21,341,515.00	9	0	49	No
14	72	600616	Naneum Creek	0	8	0	10	0.6	1	4	4	4	Restoration	2	$ 770,080.00	$ 22,111,595.00	5	10	48	No
15	68	602293 - 602297	Mill Creek	33	6	6+	0	0.22	1	3	5	3	Restoration	3	$ 2,040,000.00	$ 24,151,595.00	6	20	47	No
16	58	040013	Beaver Creek	67	5	0	10	0.55	1	2	3	4	Restoration	2	$ 241,500.00	$ 24,393,095.00	9	10	46	No
17	99	934498	EF Deep River	0	8	0	10	9	9	4	4	3	Planning	2	$ 173,500.00	$ 24,566,595.00	6	0	46	No
18	47	601597	Unnamed	33	6	0	10	1	2	2	6	4	Restoration	2	$ 225,000.00	$ 24,791,595.00	9	5	46	No
19	04	602000	Cougar Creek	33	6	0	10	2.2	4	3	4	1	Restoration	3	$ 485,000.00	$ 25,276,595.00	9	5	45	No
20	48	25.0253 0.00	Clear Creek	0	8	0	10	3.3	5	3	4	4	Restoration	3	$ 721,071.00	$ 25,997,666.00	8	0	45	No
21	95	021(46005)(04239)	Unnamed	33	6	0	10	1.36	2	2	5	4	Restoration	5	$ 966,920.00	$ 26,964,586.00	6	5	45	No
22	44	125 1301E18A	Unnamed	67	3	0	10	0.52	1	2	4	5	Restoration	3	$ 814,686.00	$ 27,779,272.00	7	10	45	Yes
23	82	940458	Boone Creek	0	6	0	10	1	2	3	5	4	Planning	2	$ 200,000.00	$ 27,979,272.00	7	5	44	No
24	96	021(46005)(04386)	Unnamed	33	6	0	10	1.88	2	2	5	3	Restoration	5	$ 841,671.00	$ 28,820,943.00	6	5	44	No
25	75	040071	Derby Canyon	33	5	0	10	3	5	1	4	5	Planning	2	$ 113,750.00	$ 28,934,693.00	7	5	44	No
26	65	040072	Derby Canyon	33	6	0	10	3	5	1	3	4	Planning	2	$ 80,000.00	$ 29,014,693.00	7	5	43	No
27	03	01.0392 0.10	Kenny Creek	33	6	0	10	3.6	5	6	8	5	Restoration	2	$ 3,825,000.00	$ 32,839,693.00	1	0	43	Yes
28	45	021(46004)(00077)	Jested Creek	0	8	0	10	1.26	2	2	4	4	Planning	2	$ 118,823.00	$ 32,958,516.00	6	5	43	No
29	78	310516	Sexton Creek	67	3	0	10	0.91	1	2	3	4	Restoration	3	$ 640,700.00	$ 33,599,216.00	7	10	43	Yes
30	20	931825	Ennis Creek	33	6	0	10	3.75	5	5	3	3	Planning	3	$ 191,260.00	$ 33,790,476.00	7	0	42	No
31	15	600392	Tucker Creek	0	8	0	10	1.5	3	4	5	3	Planning	2	$ 76,950.00	$ 33,867,426.00	7	0	42	No
32	54	021(56001)(00000)	Boone Creek	33	7	0	10	1.11	2	3	5	3	Planning	1	$ 259,894.00	$ 34,127,320.00	6	5	42	No
33	77	XID5170	Williams Creek	33	6	0	10	0.13	1	1	3	4	Planning	3	$ 63,750.00	$ 34,191,070.00	9	5	42	Alternate
34	24	1350003	Mason Creek	0	8	0	10	2.44	4	2	6	5	Restoration	3	$ 892,500.00	$ 35,083,570.00	3	0	41	Yes
35	66	932931	Unnamed	33	6	0	10	1	2	6	4	5	Restoration	5	$ 4,090,333.00	$ 39,173,903.00	3	0	41	No
36	08	340903	Butler Creek	0	8	0	10	0.57	1	2	6	4	Restoration	3	$ 2,125,000.00	$ 41,298,903.00	7	0	41	No
37	89	603905	Eagle Creek	33	6	1	5	0.28	1	4	4	5	Planning	3	$ 200,000.00	$ 41,498,903.00	7	5	40	No
38	23	604104	Coal Creek	33	6	0	10	1.61	3	2	5	4	Restoration	2	$ 240,000.00	$ 41,738,903.00	8	0	40	No
39	09	13.0133 0.50	Green Cove Creek	0	8	0	10	0.4	1	3	5	4	Planning	2	$ 198,500.00	$ 41,937,403.00	6	0	39	No
40	49	931939	Midway Creek	67	3	0	10	0.6	1	5	4	5	Restoration	2	$ 23,251.00	$ 41,960,654.00	9	0	39	No
41	55	08.0218 1.80	Carey Creek	67	3	0	10	2.93	4	5	5	5	Planning	2	$ 1,000,000.00	$ 42,960,654.00	5	0	39	No
42	87	931439	Unnamed	0	8	0	10	0.8	1	6	5	2	Restoration	2	$ 300,000.00	$ 43,260,654.00	5	0	39	No
43	92	998955	Little Minter Creek	0	8	0	10	0.2	1	3	3	4	Restoration	2	$ 304,219.00	$ 43,564,873.00	8	0	39	No
44	02	603181	Beaver Creek	67	3	1	5	4.37	6	1	6	4	Planning	1	$ 86,600.00	$ 43,651,473.00	7	5	38	No
45	05	CR28	Carpenter Creek	33	6	0	10	2.12	4	2	3	5	Planning	2	$ 182,500.00	$ 43,833,973.00	6	0	38	No
46	93	105 K011120b	Schoolhouse Creek	Unknown	1	0	10	2	4	6	4	4	Planning	2	$ 430,263.00	$ 44,264,236.00	7	0	38	No
47	18	881052	Cooper Creek	67	3	0	10	0.61	1	3	4	5	Restoration	4	$ 594,326.00	$ 44,858,562.00	8	0	38	No
48	29	1350485	Pup Creek	67	4	0	10	1.7	3	5	7	5	Planning	0	$ 552,000.00	$ 45,410,562.00	4	0	38	No
49	53	2313w21a	Unnamed	0	8	0	10	0.55	1	2	5	3	Planning	2	$ 60,000.00	$ 45,470,562.00	7	0	38	No
50	52	920751	SF Dogfish Creek	Unknown	1	0	10	0.47	1	3	6	5	Restoration	3	$ 400,000.00	$ 45,870,562.00	9	0	38	No
51	62	160756	Naylors Creek	33	6	1	5	2.6	4	4	4	5	Restoration	2	$ 1,323,620.00	$ 47,194,182.00	7	0	37	Yes
52	01	CR26	Carpenter Creek	67	3	0	10	3.95	4	2	4	5	Planning	2	$ 199,500.00	$ 47,393,682.00	7	0	37	No
53	37	934244	Huge Creek	67	3	0	10	1.2	2	6	2	3	Planning	2	$ 66,683.00	$ 47,460,365.00	9	0	37	No
54	83	80001305	Lower Hoko Wetland	Unknown	1	0	10	0.4	1	1	5	4	Restoration	1	$ 2,950,150.00	$ 50,410,515.00	4	10	37	Yes
55	19	931933	Panther Creek	0	8	0	10	0.6	1	3	5	5	Planning	2	$ 467,500.00	$ 50,878,015.00	3	0	37	No
56	25	132131541	Unnamed	33	6	0	10	0.04	1	2	3	4	Restoration	3	$ 81,000.00	$ 50,959,015.00	8	0	37	No
57	100	602299 - 602286	Mill Creek	33	6	6+	0	0.2	1	3	5	3	Restoration	3	$ 2,770,000.00	$ 53,729,015.00	6	10	37	No
58	22	CR100	Carpenter Creek	33	3	0	10	1.3	2	2	6	4	Restoration	3	$ 302,828.00	$ 54,031,843.00	7	0	37	No

59	27	HC41	Dairy Creek	0	8	0	10	0.71	1	1	6	3	Planning	2	$ 130,000.00	$ 54,161,843.00	6	0	37	No
60	70	920409	Annapolis Creek	33	6	0	10	0.3	1	3	6	4	Planning	3	$ 425,000.00	$ 54,586,843.00	4	0	37	No
61	41	920108	Ebright Creek	67	3	0	10	1.3	2	3	7	5	Restoration	1	$ 450,000.00	$ 55,036,843.00	5	0	36	Yes
62	26	604246	Dairy Creek	0	8	0	10	0.28	1	1	5	3	Planning	2	$ 123,805.00	$ 55,160,648.00	6	0	36	No
63	38	115 TC044	Unnamed	0	8	0	10	0.57	1	3	2	2	Planning	3	$ 65,000.00	$ 55,225,648.00	7	0	36	No
64	90	938435	Gilliam Creek	0	8	0	10	0.18	1	5	2	5	Planning	2	$ 1,530,000.00	$ 56,755,648.00	3	0	36	No
65	101	101SC-07	Langlois Creek	33	4	0	10	0.28	1	2	6	5	Restoration	2	$ 1,260,870.00	$ 58,016,518.00	6	0	36	Yes
66	71	1320082	Ruby Creek	33	6	0	10	0.65	1	3	4	3	Restoration	3	$ 1,615,000.00	$ 59,631,518.00	6	0	36	No
67	61	160253	Chimacum Creek	33	6	1	5	1	2	4	4	4	Planning	2	$ 202,300.00	$ 59,833,818.00	8	0	35	No
68	10	LP18	Unnamed	0	8	0	10	0.13	1	2	3	2	Planning	2	$ 49,845.00	$ 59,883,663.00	7	0	35	No
69	85	80001307	Lamb Creek	67	3	0	10	3.11	5	1	5	1	Restoration	1	$ 2,915,050.00	$ 62,798,713.00	4	5	35	Yes
70	91	105 K050122a	Little Minter Creek	67	3	0	10	1.3	2	3	3	4	Planning	2	$ 113,390.00	$ 62,912,103.00	8	0	35	No
71	07	NC213	Norway Park Creek	33	6	0	10	0.75	1	2	2	5	Restoration	2	$ 394,400.00	$ 63,306,503.00	6	0	34	No
72	97	991974	Secret Creek	33	6	1	5	0.12	1	2	5	4	Planning	4	$ 694,025.00	$ 64,000,528.00	7	0	34	No
73	76	040067	Derby Canyon	33	7	2	0	1.24	2	1	4	5	Restoration	2	$ 297,600.00	$ 64,298,128.00	8	5	34	No
74	57	3410304	Percival Creek	0	8	3	0	1.38	2	5	5	5	Restoration	3	$ 531,250.00	$ 64,829,378.00	6	0	34	No
75	31	601848	Cedar Creek	33	6	1	5	0.16	1	3	4	4	Restoration	5	$ 995,350.00	$ 65,824,728.00	6	0	34	No
76	67	08.0268 0.82	Coal Creek	67	3	0	10	0.25	1	4	5	4	Planning	3	$ 600,000.00	$ 66,424,728.00	3	0	33	No
77	79	992167	Secret Creek	67	4	1	5	1.5	3	2	5	4	Planning	2	$ 266,985.00	$ 66,691,713.00	8	0	33	Alternate
78	86	101SIST-02	Sister of Friar Creek	33	6	0	10	0.06	1	1	4	3	Restoration	2	$ 263,000.00	$ 66,954,713.00	6	0	33	No
79	32	132142259A	Unnamed	0	8	2	0	1.5	3	2	4	5	Restoration	2	$ 196,699.00	$ 67,151,412.00	8	0	32	No
80	60	125 1302W12E	Berwick Creek	67	3	2	0	3.29	5	2	4	3	Restoration	6	$ 159,559.00	$ 67,310,971.00	9	0	32	No
81	11	101SORG-02	Sorgenfrei Creek	33	6	0	10	0.42	1	2	3	2	Restoration	2	$ 198,900.00	$ 67,509,871.00	6	0	32	No
82	98	700198	Fauntleroy Creek	0	8	1	5	0.46	1	1	4	4	Planning	3	$ 250,000.00	$ 67,759,871.00	6	0	32	No
83	12	102 N196	North Creek	67	3	0	10	0.82	1	5	2	2	Restoration	2	$ 219,300.00	$ 67,979,171.00	6	0	31	No
84	64	700197	Fauntleroy Creek	0	8	1	5	0.38	1	1	4	3	Restoration	2	$ 1,750,000.00	$ 69,729,171.00	6	0	30	No
85	69	983173	Little Soos Creek	33	4	4	0	0.6	1	4	5	4	Restoration	5	$ 2,400,000.00	$ 72,129,171.00	6	0	29	No
86	33	101SC-02	Langlois Creek	33	6	5	0	0.36	1	1	5	3	Restoration	4	$ 680,000.00	$ 72,809,171.00	8	0	28	No
87	74	162063	Swansonville Creek	67	3	4	0	3.1	5	2	4	4	Restoration	2	$ 488,000.00	$ 73,297,171.00	7	0	27	No
88	17	994370	Padden Creek	33	6	4	0	0.85	1	3	6	2	Planning	3	$ 170,400.00	$ 73,467,571.00	6	0	27	No
89	59	993125	Thornton Creek	0	8	10	0	0.09	1	1	4	4	Planning	3	$ 188,000.00	$ 73,655,571.00	6	0	27	No
90	88	105 K050416b	Minter Creek	33	6	1	5	0.44	1	6	3	1	Restoration	1	$ 1,963,882.00	$ 75,619,453.00	3	0	26	No
91	94	105 K050920c	Purdy	33	4	2	0	0.4	1	3	4	4	Restoration	2	$ 3,000,000.00	$ 78,619,453.00	6	0	24	No
92	30	01.0560 0.10	Toad Lake Creek	0	8	9	0	0.5	1	3	2	1	Planning	2	$ 52,000.00	$ 78,671,453.00	6	0	23	No
93	39	102 Q015	Edgecomb Creek	67	4	2	0	1	2	3	4	2	Planning	2	$ 200,000.00	$ 78,871,453.00	5	0	22	No
94	13	07.0073 1.30	Munson Creek	67	3	2	0	0.4	1	3	4	2	Planning	2	$ 65,503.00	$ 78,936,956.00	7	0	22	No
95	34	07.0267 1.80	Tuck Creek	67	3	4	0	0.77	1	2	6	2	Restoration	2	$ 909,500.00	$ 79,846,456.00	5	0	21	No
96	35	102 LY008	Lyon Creek	67	3	7	0	0.16	1	2	2	4	Restoration	3	$ 961,000.00	$ 80,807,456.00	5	0	20	No

INELIGIBLE

FBRB ID	FPDSI Site ID	Stream	Reason
14		Allen Creek	Has a total downstream barrier.
40	932021	Unnamed	Structure was reassessed to be 100% passable.
50	1001	Garrison Creek	Has a total downstream barrier.
56	935067	Centennial Creek	Structure was reassessed to be 100% passable.
81	999648	Great Dane Creek	FBRB determined that the proposed alternative would not be suitable at this site and sponsor was not able to accommodate alternative designs.

Brian Abbott Fish Barrier Removal Board

2021 - 2023 Grant Program

Approved Proposal Scoring Criteria - 84 points possible

Question 1	
Barrier Severity (8 points)	
0% passability	8 points
33% passability	6 points
67% passability	3 points
Unknown passability (applicant must demonstrate that structure is a barrier)	1 point
100% passability	**ineligible**
Linear Gain (10 points)	
0.00 - 0.99 miles	1 point
1.00 - 1.49 miles	2 points
1.50 - 1.99 miles	3 points
2.00 - 2.99 miles	4 points
3.00 - 3.99 miles	5 points
4.00 - 4.99 miles	6 points
5.00 - 5.99 miles	7 points
6.00 - 7.99 miles	8 points
8.00 - 10.99 miles	9 points
≥ 11.00 miles	10 points
Note: calculated as upstream miles, to first barrier (partial or full)	
Question 2	
Anticipated costs (10 points)	
Detailed, clear answer	2 points
Low cost relative to predicted benefits	4 points
Sponsor has clearly leveraged available resources to reduce costs and maximize benefits	4 points
Question 3	
Project readiness (6 points)	
Landowner willingness	1 point
Completed conceptual or preliminary designs	1 point
Active permit applications or well laid out permit schedule (cultural resources, Corps permits, FPA/HPA, ESA consultation, etc.)	1 point
Resource commitments identified (match)	1 point

Additional 2 points possible for restoration projects (i.e., construction) • 60% to Final Designs • Permits	 1 point 1 point
Note: Planning projects can score 0-4 points. Restoration projects can score 0-6 points.	
Question 4	
Habitat quality (8 points)	
Clear, complete answer	2 points
Quality of habitat, as described by applicant: • Riparian / Thermal cover • Availability of spawning gravels • Rearing habitat / Instream cover • Habitat complexity: e.g., channel sinuosity, pool, riffle, large wood	6 points
Question 5	
Design Approach (5 points)	
Detailed, clear answer	1 point
Described how project will meet Water Crossing Design Guidance	3 points
Described how project addresses future climate change	1 point
Question 6	
Downstream Barriers (10 points)	
No downstream barriers	10 points
Single downstream partial barrier (67% or 33% passability)	5 points
More than 1 downstream partial barrier (67% or 33% passability)	0 points
1 or more downstream 0% passable barriers	**ineligible**
Question 7	
Number of salmon/steelhead species affected by barrier (7 points)	
Chinook	2 points
Sockeye	1 point
Pink	1 point
Coho	1 point
Steelhead	1 point
Chum	1 point
Question 8	
Priority Watershed (20 points)	
Project is ranked number 1 in a statewide approved priority watershed	20 points
Project is ranked number 2 in a statewide approved priority watershed	10 points
Project is located in a statewide approved priority watershed	5 points
Project is not in a statewide approved priority watershed	0 Points

2020 Supplemental Capital Budget, ESSB 6248

March 11th, 2020

From Pages 93-95

FOR THE DEPARTMENT OF FISH AND WILDLIFE5

(1) Nothing in this section alters the obligation set forth in the permanent injunction, including the compliance deadline, entered on March 29, 2013, in United States v. Washington, sub-proceeding 01-1 (Culverts), or the guidelines for compliance within the specified timeline with the permanent injunction as developed by the state agencies during the implementation process.

(2) Nothing in this section creates an obligation on the part of the state to provide funding for corrections for nonstate-owned culverts. Nothing in this section precludes the state from providing funding for corrections for nonstate-owned culverts.

(3) In order to provide recommendations, the Brian Abbott fish barrier removal board must develop a comprehensive statewide culvert remediation plan that works in conjunction with the state approach and that fully satisfies the requirements of the United States v. Washington permanent injunction and makes both local and state funding recommendations for additional nonstate barrier corrections across state culvert correction programs that maximize the fisheries habitat gain and other benefits to prey available for southern resident killer whale and salmon recovery.

(4) The comprehensive statewide culvert remediation plan must be consistent with the principles and requirements of the United States v. Washington permanent injunction and RCW 77.95.180 and must achieve coordinated investment strategy goals of permanent injunction compliance and the following additional resource benefits. The Brian Abbott fish barrier removal board chair, representing the board and the appropriate department of fish and wildlife executive management, shall consult with tribes to develop a watershed approach. Provided it is consistent with the United States v. Washington permanent injunction, prioritization of barrier corrections must be developed on a watershed basis and must maximize the following resource priorities:

(a) Stocks that are listed as threatened or endangered under the federal endangered species act;

(b) Stocks that contribute to protection and recovery of southern resident orca whales;

(c) Critical stocks of anadromous fish that limit or prevent harvest of anadromous fish, as identified in the Pacific salmon treaty; and

(d) Weak stocks of anadromous fish that limit or prevent harvest of anadromous fish, as determined in North of Cape Falcon process.

(5) The comprehensive statewide culvert remediation plan must include recommendations on methods and procedures for state agencies and local governments to complete and maintain accurate barrier inventories. This plan must also allow for efficient bundling of projects to minimize disruption to the public due to construction as well as adjustments in response to obstacles and opportunities encountered during delivery.

(6) The Brian Abbott fish barrier removal board must also:

(a) Provide to the office of financial management and the fiscal committees of the legislature its recommendation as to statutory or policy changes, or budget needs for the board or state capital budget programs, for better implementation and coordination among the state's culvert correction programs by January 15, 2021; and

(b) Develop a plan to seek and maximize the chances of success of significant federal investment in the comprehensive statewide culvert remediation plan.

(7) It is the intent of the legislature that, in developing future budgets, state agencies administering state culvert correction programs will recommend, to the maximum extent possible, funding in their culvert correction programs for correction of barriers that are part of the comprehensive statewide culvert remediation plan developed by the Brian Abbott fish barrier removal board under this section.

(8) By November 1, 2020, and March 1, 2021, the Brian Abbott fish barrier removal board and the department of transportation must provide updates on the development of the statewide culvert remediation plan to the office of financial management and the legislative fiscal committees. The first update must include a project timeline and plan to ensure that all agencies with culvert correction programs are involved in the creation of the comprehensive plan.

(9) Prior to presenting the comprehensive statewide culvert remediation plan, the Brian Abbott fish barrier removal board must

Present the status of the plan to the annual Washington state and Western Washington treaty tribes fish passage barrier repair progress and coordination meeting. The board must submit the comprehensive statewide culvert remediation plan and the process by which it will be adaptively managed over time to the governor and the legislative fiscal committees by January 15, 2021.

(34) $142,000 of the general fund—state appropriation for fiscal year 2021 is provided solely for work addressing fish passage barriers, including data analysis and mapping to identify streams and barriers that have the greatest potential benefit to listed salmon populations, southern resident orca whales, and fisheries. In conducting this work, the department must consult with tribes and coordinate with the department of transportation's fish barrier work plans.