

2020 & 2021 NOPL Four Year Workplan

Date:

22-Nov-19

6 Additional Projects listed from West to East

HWS ID	Title
19102	Hoko Culvert 80001279 Replacement
19103	Johnson Creek Triple Culverts Replacement
19105	Upper Cowan Ranch LWD
19104	Lyre River Habitat Restoration
19101	Fish Passage Corrections on Joyce-Piedmont Road
10079	Lower Morse Creek Feasibility Study

45 Projects Already on the Work Plan (In Rank Order)

PRISM ID	Title
09092.1	Dungeness River Floodplain Restoration
09055.1	Elwha River Estuary/Nearshore Conservation and Restoration
09030.1	Dungeness River Riparian Habitat Protection
14106	Elwha Acquisition and Restoration Project
16103	Indian Creek Habitat Restoration Project
09029.1	Dungeness River Large Wood Restoration
13102	Little River LWD Project
09032.1	Dungeness Drift Cell Conservation
09031.1	Dungeness River Riparian Restoration
16102	Morse Creek Acquisition & Restoration
09093	North Sequim Bay Drift Cell Conservation Project
13101.1	Lower Hoko Acquisition and Restoration Project
09009.1	Pysht River Salt Marsh Estuary Restoration Project
09016.2	Elwha River ELJ Project
16104	Elwha Hot Springs Road Restoration
12096	Acquisition of Priorities identified in the HCP
13104.2	3 Crabs Estuarine and Nearshore Restoration
09091	Dungeness River Instream Flow Restoration-Irrigation Efficiencies
09011	Twin River Acquisition
09013	Lower Salt Creek Restoration and Protection
09086.1	Pysht Floodplain Acquisition and Restoration
13103	Ediz Hook Restoration-Phase 5
11087	Elwha River Revegetation Project
11085.1	Pysht River Watershed Wood Restoration Phase 4 Project
14107	Sequim Bay Shoreline Restoration
09046	Washington Harbor Habitat Protection Project
09039.2	McDonald Creek Barrier Removal and Channel Restoration
10080.1	Lyre River Protection and Restoration
09053	Clallam Watertype Inventory and Assessment
09001.1	Little Hoko River Large Wood Restoration Project
09003	WRIA 19 Riparian Restoration
11090.1	Siebert Creek Large Wood Restoration
11084	Upper Hoko LWD Restoration Project
12098	Dungeness River Instream Flow Restoration-Storage
10078.1	McDonald Creek Large Wood Restoration
11088.1	Ennis Creek Fish Passage Barrier Removal
09026	Morse Creek Property Acquisition
09015	Salt Creek Final Fish Passage Corrections Project
11094	Chicken Coop Road Culvert Replacement Project
09015.1	Kreaman Creek, Trib. To Salt Creek
09005	Sekiu Mainstem (RM 2-5) LWD Restoration
09021	Valley Creek Restoration Phase 3
09002	Hoko River- Emerson Flats LWD Supplementation
09004	Hoko River/ Hermans Creek - Instream LWD Supplementation
09018	Elwha River Estuary Restoration

2020 & 2021 NOPL Four Year Workplan	Date:
	22-Nov-19

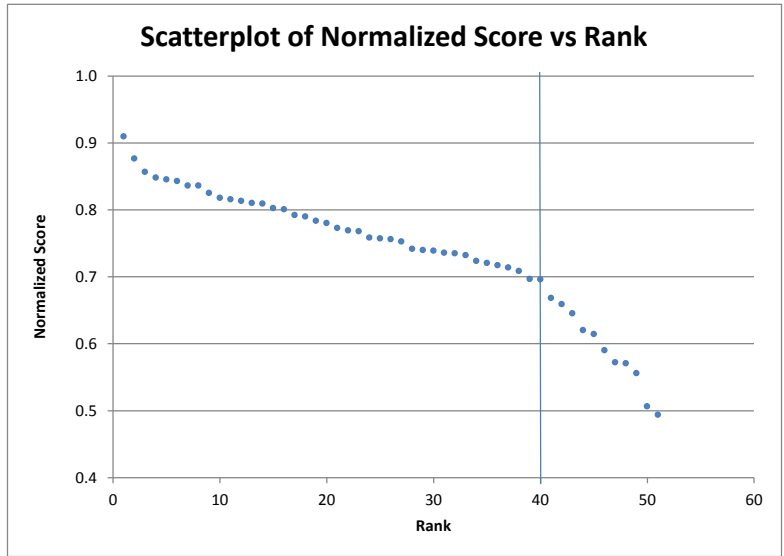
Projects Listed in Rank Order (6 Additional Projects in Bold)

Rank	Project ID	Title	Category	Weighted Mean Score	Normalized Score	Cap Max Possible Score = 206.96	Non-Cap Max Possible Score = 151.80
1	09092.1	Dungeness River Floodplain Restoration	Capital	188.27	0.910		
2	09055.1	Elwha River Estuary/Nearshore Conservation and Restoration	Capital	181.45	0.877		
3	09030.1	Dungeness River Riparian Habitat Protection	Capital	177.34	0.857		
4	14106	Elwha Acquisition and Restoration Project	Capital	175.51	0.848		
5	16103	Indian Creek Habitat Restoration Project	Capital	174.96	0.845		
6	09029.1	Dungeness River Large Wood Restoration	Capital	174.44	0.843		
7	13102	Little River LWD Project	Capital	173.07	0.836		
8	09032.1	Dungeness Drift Cell Conservation	Capital	173.05	0.836		
9	09031.1	Dungeness River Riparian Restoration	Capital	170.77	0.825		
10	16102	Morse Creek Acquisition & Restoration	Capital	169.29	0.818		
11	09093	North Sequim Bay Drift Cell Conservation Project	Capital	168.80	0.816		
12	13101.1	Lower Hoko Acquisition and Restoration Project	Capital	168.29	0.813		
13	09009.1	Pysht River Salt Marsh Estuary Restoration Project	Capital	167.66	0.810		
14	09016.2	Elwha River ELJ Project	Capital	167.52	0.809		
15	16104	Elwha Hot Springs Road Restoration	Capital	166.08	0.802		
16	12096	Acquisition of Priorities identified in the HCP	Capital	165.70	0.801		
17	13104.2	3 Crabs Estuarine and Nearshore Restoration	Capital	163.97	0.792		
18	09091	Dungeness River Instream Flow Restoration-Irrigation Efficiencies	Capital	163.48	0.790		
19	09011	Twin River Acquisition	Capital	162.15	0.783		
20	09013	Lower Salt Creek Restoration and Protection	Capital	161.50	0.780		
21	09086.1	Pysht Floodplain Acquisition and Restoration	Capital	159.95	0.773		
22	13103	Ediz Hook Restoration-Phase 5	Capital	159.22	0.769		
23	11087	Elwha River Revegetation Project	Capital	158.93	0.768		
24	11085.1	Pysht River Watershed Wood Restoration Phase 4 Project	Capital	156.98	0.759		
25	14107	Sequim Bay Shoreline Restoration	Capital	156.73	0.757		
26	09046	Washington Harbor Habitat Protection Project	Capital	156.46	0.756		
27	09039.2	McDonald Creek Barrier Removal and Channel Restoration	Capital	155.77	0.753		
28	10080.1	Lyre River Protection and Restoration	Capital	153.48	0.742		
29	09053	Clallam Watertype Inventory and Assessment	Non-Capital	112.37	0.740		
30	19104	Lyre River Habitat Restoration	Capital	152.94	0.739		
31	19105	Upper Cowan Ranch LWD	Capital	152.33	0.736		
32	10079	Lower Morse Creek Feasibility Study	Capital	152.17	0.735		
33	09001.1	Little Hoko River Large Wood Restoration Project	Capital	151.53	0.732		
34	09003	WRIA 19 Riparian Restoration	Capital	149.78	0.724		
35	11090.1	Siebert Creek Large Wood Restoration	Capital	149.15	0.721		
36	11084	Upper Hoko LWD Restoration Project	Capital	148.44	0.717		
37	12098	Dungeness River Instream Flow Restoration-Storage	Capital	147.71	0.714		
38	10078.1	McDonald Creek Large Wood Restoration	Capital	146.66	0.709		
39	11088.1	Ennis Creek Fish Passage Barrier Removal	Capital	144.18	0.697		
40	19103	Johnson Creek Triple Culverts Replacement	Capital	144.03	0.696		
Projects ranked 40 & up are eligible to apply for SRFB/PSAR funding							
41	09026	Morse Creek Property Acquisition	Capital	138.29	0.668		
42	19102	Hoko Culvert 80001279 Replacement	Capital	136.34	0.659		
43	09015	Salt Creek Final Fish Passage Corrections Project	Capital	133.57	0.645		
44	11094	Chicken Coop Road Culvert Replacement Project	Capital	128.36	0.620		
45	09015.1	Kreaman Creek, Trib. To Salt Creek	Capital	127.13	0.614		
46	09005	Sekiu Mainstem (RM 2-5) LWD Restoration	Capital	122.16	0.590		
47	09021	Valley Creek Restoration Phase 3	Capital	118.39	0.572		
48	09002	Hoko River- Emerson Flats LWD Supplementation	Capital	118.08	0.571		
49	19101	Fish Passage Corrections on Joyce-Piedmont Road	Capital	115.17	0.556		
50	09004	Hoko River/ Hermans Creek - Instream LWD Supplementation	Capital	104.81	0.506		
51	09018	Elwha River Estuary Restoration	Capital	102.19	0.494		

2020 & 2021 NOPL Four Year Workplan Scatterplot

Date:
22-Nov-19

Rank	Normalized Score
1	0.910
2	0.877
3	0.857
4	0.848
5	0.845
6	0.843
7	0.836
8	0.836
9	0.825
10	0.818
11	0.816
12	0.813
13	0.810
14	0.809
15	0.803
16	0.801
17	0.792
18	0.790
19	0.784
20	0.780
21	0.773
22	0.769
23	0.768
24	0.759
25	0.757
26	0.756
27	0.753
28	0.742
29	0.740
30	0.739
31	0.736
32	0.735
33	0.732
34	0.724
35	0.721
36	0.717
37	0.714
38	0.709
39	0.697
40	0.696



Projects ranked 40 & up are eligible to apply for SRFB/PSAR funding

41	0.668
42	0.659
43	0.645
44	0.620
45	0.614
46	0.590
47	0.572
48	0.571
49	0.556
50	0.506
51	0.494

<h1>2020 & 2021 NOPLÉ Four Year Workplan</h1>	Date:
	22-Nov-19

Statistical Analysis of 6 Additional Project Proposals

CoV = Coefficient of Variation (Standard deviation/Mean as %)

ID	Title	Statistical Analysis	
		Scorer(s) Outside 2 Std Deviations?	CoV% Flags for Specific Criteria?
19102	Hoko Culvert 80001279 Replacement	N	5&7
19103	Johnson Creek Triple Culverts Replacement	N	5&7
19105	Upper Cowan Ranch LWD	Y	7&12
19104	Lyre River Habitat Restoration	Y	5&7
19101	Fish Passage Corrections on Joyce-Piedmont Road	Y	5&7
10079	Lower Morse Creek Feasibility Study	Y	3, 5, 7

Takeaways:

- 1) 6 of 6 projects had 1 scorer who scored the project lower than 2 standard deviations from the mean.
- 2) 6 of 6 projects had a CoV% >50% for two or more criteria.
- 3) Criterion 7: Protects high-quality fish habitat was flagged for every project.
- 4) Criterion 5: Addresses an ESA-listed stock was flagged for 5 of 6 projects.
- 5) Criterion 12: Project Readiness was flagged for 1 of 6 projects.
- 6) Criterion 3: Addresses stock status and trends was flagged for 1 of 6 projects.

2020 & 2021 NOPL Four Year Workplan	Date:
	22-Nov-19

Mean of all Scores:	3.70
SD of all Scores:	0.28
2 X SD of all Scores:	0.55
Mean - 2 X:	3.14
Mean + 2 X:	4.25

Lyre River Habitat Restoration
19104

Overall Weighted Score 152.94

NS = No Score Given

CoV = Coefficient of Variation (Standard deviation/Mean as %)

ID	Criteria for Ranking	Score 0 to 5 with 5 being best																	Mean Score	Weight	Weighted Mean Score	CoV (%)
		Scorer 1	Scorer 2	Scorer 3	Scorer 4	Scorer 5	Scorer 6	Scorer 7	Scorer 8	Scorer 9	Scorer 10	Scorer 11	Scorer 12	Scorer 13	Scorer 14	Scorer 15	Scorer 16	Scorer 17				
1	Watershed Priority	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	3.193	2.96	9.46	0.0%
2	Addresses limiting factor(s)	5.00	5.00	4.50	3.50	4.50	5.00	5.00	5.00	4.50	4.00	3.00	4.00	5.00	5.00	5.00	5.00	4.00	4.50	4.08	18.36	14.1%
3	Addresses stock status and trends	4.00	3.00	3.00	3.50	5.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	5.00	4.50	2.50	3.00	4.00	3.84	2.88	11.07	18.2%
4	Addresses progress toward recovery	3.50	4.00	4.50	3.50	4.00	5.00	4.00	4.00	4.00	4.00	5.00	4.00	4.50	3.00	4.00	4.00	4.00	4.06	2.81	11.42	12.6%
5	Addresses an ESA-listed stock	0.00	0.00	0.00	2.00	3.00	0.00	0.00	1.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	3.65	2.05	194.4%
6	Addresses other stocks	5.00	3.00	4.00	4.00	5.00	5.00	4.50	5.00	4.00	5.00	5.00	5.00	5.00	4.00	5.00	4.00	4.00	4.53	3.27	14.82	13.6%
7	Protects high-quality fish habitat	2.00	3.50	3.50	3.50	3.00	4.50	0.00	4.00	0.00	4.50	3.00	2.00	4.00	3.00	3.00	3.00	0.00	2.72	4.12	11.20	56.2%
8	Restores formerly productive habitat	5.00	3.00	5.00	4.00	5.00	5.00	5.00	5.00	5.00	4.50	4.50	4.00	4.50	5.00	4.50	3.00	4.00	4.44	4.04	17.93	15.3%
9	Supports restoration and maintenance of ecosystem functions	5.00	4.00	5.00	4.00	5.00	5.00	5.00	5.00	4.50	4.00	4.00	4.50	5.00	4.50	4.00	5.00	5.00	4.59	3.88	17.82	9.9%
10	Spatial Scale of Influence	4.00	2.50	4.50	4.00	4.00	4.50	5.00	4.00	4.00	4.00	3.00	4.50	4.00	2.50	4.00	4.50	4.50	3.94	3.62	14.25	17.9%
11	Temporal Scale of Influence	5.00	5.00	5.00	4.00	4.50	4.50	5.00	5.00	5.00	4.00	5.00	4.00	5.00	5.00	4.00	4.00	4.00	4.63	3.23	14.94	10.1%
12	Project Readiness	3.00	5.00	4.50	3.50	2.50	2.50	5.00	2.00	2.50	2.00	5.00	4.00	4.00	2.00	2.50	4.00	4.00	3.38	2.85	9.62	33.6%
Mean		3.72	3.43	3.89	3.56	4.06	4.02	3.81	3.93	3.35	3.60	3.93	3.72	4.10	3.27	NS	3.39	3.39	Overall Weighted Score		152.94	
CoV		41.3%	40.5%	36.1%	16.0%	22.7%	37.3%	49.1%	33.1%	50.6%	37.7%	22.5%	38.4%	34.5%	44.5%	NS	39.2%	48.3%				
Outside 2 Standard Deviations?		N	N	N	N	N	N	N	N	N	N	N	N	N	N	NS	N	N				

Comments
A short discussion of the barrier at river mile 1.5 would help. Why is the project only in the lower 1.5 miles? You have a good discussion of the chum salmon but what about the other species? Any hope of wild steelhead remaining after years of likely interbreeding with Chamber stock?
It was good to see that the private landowner has already expressed support for this project, so as to move forward within the noted 2-3 year timeframe.
General Comment: Frankly, I'd like to see how the project sponsors score their projects. It would give some insights, I think, into what they perceive the principle salient benefits to be, and why. I don't necessarily believe that bias is eliminated by disallowing project sponsors to score their own projects (providing that only one of the project "team" submits scores for a specific project) - I think the bias is reflected in their relative scoring of others' competing projects.
All Projects: No project speaks to "Protects...habitat," per se. Thus, all projects were scored zeros for this criterion.
Assumption - All Projects: Steelhead, coho, and coastal and sea run cutthroat spawn in tributaries and the headwaters and higher reaches of the watershed. Chinook tend to favour in larger gravels in the main stem of the river, and chum in the lower reaches.
Assumption - All Projects: Benefit to ESA-listed stocks is provided only by the Morse Creek project. Benefits to species in the west-of-Elwha watersheds are captured under "Addresses other stocks."

2020 & 2021 NOPL Four Year Workplan	Date:
	22-Nov-19

Mean of all Scores:	3.70
SD of all Scores:	0.39
2 X SD of all Scores:	0.78
Mean - 2 X:	2.92
Mean + 2 X:	4.48

Upper Cowan Ranch LWD
19105

Overall Weighted Score

152.33

NS = No Score Given

CoV = Coefficient of Variation (Standard deviation/Mean as %)

ID	Criteria for Ranking	Score 0 to 5 with 5 being best																	Mean Score	Weight	Weighted Mean Score	CoV (%)
		Scorer 1	Scorer 2	Scorer 3	Scorer 4	Scorer 5	Scorer 6	Scorer 7	Scorer 8	Scorer 9	Scorer 10	Scorer 11	Scorer 12	Scorer 13	Scorer 14	Scorer 15	Scorer 16	Scorer 17				
1	Watershed Priority	3.494	3.494	3.494	3.494	3.494	3.494		3.494	3.494	3.494	3.494	3.494		3.494	3.494	3.494	3.494	3.494	2.96	10.35	0.0%
2	Addresses limiting factor(s)	5.00	5.00	4.50	3.50	3.50	5.00		5.00	3.00	4.00	4.00	4.00		5.00	4.50	5.00	4.50	4.37	4.08	17.82	15.3%
3	Addresses stock status and trends	4.00	5.00	3.00	3.00	4.50	5.00		4.00	4.00	4.50	5.00	5.00		4.00	4.00	4.00	4.50	4.23	2.88	12.19	15.4%
4	Addresses progress toward recovery	4.00	4.00	4.50	3.50	4.00	5.00		5.00	4.00	4.50	5.00	4.00		2.00	4.00	4.00	4.00	4.10	2.81	11.52	18.0%
5	Addresses an ESA-listed stock	0.00	0.00	0.00	2.00	0.00	0.50		1.00	0.00	0.00	3.00	0.00		0.00	2.50	0.00	0.00	0.60	3.65	2.19	173.1%
6	Addresses other stocks	5.00	5.00	4.00	4.00	4.00	5.00		5.00	3.00	5.00	5.00	5.00		4.00	4.00	5.00	4.00	4.47	3.27	14.61	14.3%
7	Protects high-quality fish habitat	2.00	5.00	3.00	3.50	2.00	4.50		5.00	0.00	3.50	3.00	1.00		3.00	2.50	2.00	0.00	2.67	4.12	10.99	58.7%
8	Restores formerly productive habitat	5.00	5.00	5.00	4.00	4.00	5.00		5.00	3.50	4.00	5.00	4.00		4.50	5.00	3.00	4.00	4.40	4.04	17.78	15.0%
9	Supports restoration and maintenance of ecosystem functions	5.00	5.00	5.00	4.00	4.00	5.00		5.00	4.00	4.00	4.00	4.00		4.50	4.00	4.00	5.00	4.43	3.88	17.20	11.2%
10	Spatial Scale of Influence	4.00	4.00	5.00	4.00	2.50	4.50		4.00	3.00	4.00	4.00	2.00		3.00	4.50	4.00	4.00	3.77	3.62	13.64	21.2%
11	Temporal Scale of Influence	5.00	5.00	5.00	4.00	4.00	4.50		5.00	5.00	4.00	5.00	4.00		5.00	4.00	4.50	4.50	4.57	3.23	14.75	10.0%
12	Project Readiness	3.00	4.00	4.00	3.50	3.50	2.50		2.00	2.50	0.00	5.00	4.00		2.50	4.00	3.50	5.00	3.27	2.85	9.31	38.8%
Mean		3.79	4.21	3.87	3.54	3.29	4.17	NS	4.12	2.96	3.42	4.29	3.37	NS	3.42	3.87	3.54	3.58	Overall Weighted Score		152.33	
CoV		40.3%	34.2%	37.0%	16.4%	38.0%	33.3%	NS	32.7%	51.7%	48.3%	18.9%	46.0%	NS	42.3%	19.2%	39.2%	48.3%				
Outside 2 Standard Deviations?		N	N	N	N	N	N	NS	N	N	N	N	N	NS	N	N	N	N				

Comments
 Unlike the two culvert projects on the Hoko that are proposed for this Workplan, this project will benefit "critical" Hoko River Chum, which is a plus. How many acres, out of the 46 acres and how many river miles out of the ~2 miles are under private ownership? In that regard, any idea how willing the private landowners, and PUD for that matter, might be to allow this project to move forward?

Hoko Culvert, Johnson Creek Culverts, Cowan Ranch: How do the culvert projects interact with the Cowan Ranch project, if at all? In other words, is there any synergistic benefit between the Hoko projects?

Timeline information described as "relatively quickly", if this could be more descretely quantified I could assign a score for Criteria 12.

General Comment: Frankly, I'd like to see how the project sponsors score their projects. It would give some insights, I think, into what they perceive the principle salient benefits to be, and why. I don't necessarily believe that bias is eliminated by disallowing project sponsors to score their own projects (providing that only one of the project "team" submits scores for a specific project) - I think the bias is reflected in their relative scoring of others' competing projects.

All Projects: No project speaks to "Protects...habitat," per se. Thus, all projects were scored zeros for this criterion.

Assumption - All Projects: Steelhead, coho, and coastal and sea run cutthroat spawn in tributaries and the headwaters and higher reaches of the watershed. Chinook tend to favour in larger gravels in the main stem of the river, and chum in the lower reaches.

Assumption - All Projects: Benefit to ESA-listed stocks is provided only by the Morse Creek project. Benefits to species in the west-of-Elwha watersheds are captured under "Addresses other stocks."

2020 & 2021 NOPL Four Year Workplan	Date:
	22-Nov-19

Mean of all Scores:	3.69
SD of all Scores:	0.48
2 X SD of all Scores:	0.96
Mean - 2 X:	2.73
Mean + 2 X:	4.65

Lower Morse Creek Feasibility Study
10079

Overall Weighted Score
152.17

NS = No Score Given

CoV = Coefficient of Variation (Standard deviation/Mean as %)

ID	Criteria for Ranking	Score 0 to 5 with 5 being best																	Mean Score	Weight	Weighted Mean Score	CoV (%)
		Scorer 1	Scorer 2	Scorer 3	Scorer 4	Scorer 5	Scorer 6	Scorer 7	Scorer 8	Scorer 9	Scorer 10	Scorer 11	Scorer 12	Scorer 13	Scorer 14	Scorer 15	Scorer 16	Scorer 17				
1	Watershed Priority	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	2.96	12.13	0.0%
2	Addresses limiting factor(s)	5.00	4.00	4.00	3.50	4.50	5.00	5.00	5.00	3.50	4.00	3.00	4.00	5.00	3.00	4.50	4.00	4.50	4.21	4.08	17.16	16.3%
3	Addresses stock status and trends	4.00	4.00	3.00	3.50	5.00	5.00	5.00	5.00	4.00	5.00	5.00	5.00	4.50	4.00	4.00	4.00	3.50	4.32	2.88	12.45	15.3%
4	Addresses progress toward recovery	3.50	3.00	4.00	3.50	5.00	5.00	4.00	3.00	5.00	5.00	5.00	4.00	5.00	4.00	5.00	3.50	4.00	4.21	2.81	11.82	17.9%
5	Addresses an ESA-listed stock	5.00	0.00	5.00	3.00	4.50	5.00	5.00	4.00	4.00	3.00	5.00	5.00	5.00	4.00	4.50	3.00	4.00	4.06	3.65	14.81	31.7%
6	Addresses other stocks	5.00	5.00	4.00	3.50	5.00	5.00	5.00	5.00	1.00	3.00	5.00	4.00	5.00	4.00	4.50	5.00	4.00	4.29	3.27	14.04	24.7%
7	Protects high-quality fish habitat	4.00	5.00	3.00	2.00	3.00	0.00	0.00	4.00	1.00	3.00	2.00	0.00	4.00	3.00	2.50	1.00	0.00	2.21	4.12	9.09	73.9%
8	Restores formerly productive habitat	5.00	4.00	4.00	3.00	5.00	4.00	2.00	5.00	1.00	3.00	3.00	3.00	4.00	4.00	4.50	4.00	4.00	3.68	4.04	14.85	29.2%
9	Supports restoration and maintenance of ecosystem functions	5.00	5.00	5.00	3.00	5.00	4.00	2.50	5.00	1.00	3.00	3.00	3.00	4.50	3.00	4.50	3.50	4.00	3.76	3.88	14.61	30.5%
10	Spatial Scale of Influence	4.00	3.00	4.00	2.50	4.50	5.00	4.00	4.00	3.00	4.00	3.00	4.00	4.50	2.50	3.50	3.00	3.00	3.62	3.62	13.10	20.5%
11	Temporal Scale of Influence	4.50	3.50	4.50	2.50	4.50	3.00	2.00	4.00	4.00	3.00	3.00	4.00	5.00	4.00	4.00	1.00	3.50	3.53	3.23	11.40	29.0%
12	Project Readiness	2.00	2.00	4.00	2.00	1.00	1.50	2.00	3.00	0.00	2.00	5.00	4.00	1.50	3.00	2.00	3.00	2.00	2.35	2.85	6.71	51.4%
	Mean	4.26	3.55	4.05	3.01	4.26	3.88	3.38	4.26	2.63	3.51	3.84	3.67	4.34	3.55	3.97	3.26	3.38	Overall Weighted Score		152.17	
	CoV	20.9%	40.6%	15.3%	21.7%	27.6%	41.9%	48.6%	17.6%	64.6%	25.9%	29.1%	35.5%	22.6%	16.6%	22.5%	36.9%	37.0%				
	Outside 2 Standard Deviations?	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N				

Comments
 While this project is a feasibility study, a very necessary first step in this long-needed and important restoration effort, I do tend to rank some of the criteria with the ultimate goal in mind, restoration of Lower Morse Creek, including the estuary. While "opportunities", like timely engagement with property owners that this project proposes, is not really a technical criteria, it is a criteria that the LEG policy group should definitely consider when ultimately deciding on funding for salmon projects. Which organizations might be likely candidates to take this feasibility study on as a project sponsor?

Since this is a study and doesn't necessary equate to restoration, I had to score lower on criterion that pertained to restoration outcomes.

Morse Creek: It would seem that most of the work that would be done in this stretch could be generally described, and prioritized, based on similar projects that have been undertaken on the Peninsula, and the costs thereof. Scoring reflects the uncertainties and vagueness of projects which would spring from the feasibility study.

Difficult to accurately score using this criteria, as the feasibility study itself seems like an important step, but does not actually propose to achieve or effect the criteria by which this is scored. My scores for this project are therefore tentative in multiple categories.

General Comment: Frankly, I'd like to see how the project sponsors score their projects. It would give some insights, I think, into what they perceive the principle salient benefits to be, and why. I don't necessarily believe that bias is eliminated by disallowing project sponsors to score their own projects (providing that only one of the project "team" submits scores for a specific project) - I think the bias is reflected in their relative scoring of others' competing projects.

All Projects: No project speaks to "Protects...habitat," per se. Thus, all projects were scored zeros for this criterion.

Assumption - All Projects: Steelhead, coho, and coastal and sea run cutthroat spawn in tributaries and the headwaters and higher reaches of the watershed. Chinook tend to favour in larger gravels in the main stem of the river, and chum in the lower reaches.

Assumption - All Projects: Benefit to ESA-listed stocks is provided only by the Morse Creek project. Benefits to species in the west-of-Elwha watersheds are captured under "Addresses other stocks."

2020 & 2021 NOBLE Four Year Workplan	Date:
	22-Nov-19

Mean of all Scores:	3.51
SD of all Scores:	0.63
2 X SD of all Scores:	1.26
Mean - 2 X:	2.25
Mean + 2 X:	4.76

Johnson Creek Triple Culverts Replacement
19103

Overall Weighted Score

144.03

NS = No Score Given

CoV = Coefficient of Variation (Standard deviation/Mean as %)

ID	Criteria for Ranking	Score 0 to 5 with 5 being best																	Mean Score	Weight	Weighted Mean Score	CoV (%)
		Scorer 1	Scorer 2	Scorer 3	Scorer 4	Scorer 5	Scorer 6	Scorer 7	Scorer 8	Scorer 9	Scorer 10	Scorer 11	Scorer 12	Scorer 13	Scorer 14	Scorer 15	Scorer 16	Scorer 17				
1	Watershed Priority	3.494	3.494	3.494	3.494	3.494	3.494		3.494	3.494	3.494	3.494	3.494		3.494	3.494	3.494	3.494	3.494	2.96	10.35	0.0%
2	Addresses limiting factor(s)	5.00	5.00	4.50	3.50	3.50	5.00		5.00	3.50	5.00	5.00	3.00		4.50	4.50	5.00	3.50	4.37	4.08	17.82	17.0%
3	Addresses stock status and trends	5.00	4.00	3.00	3.00	3.50	4.00		4.00	4.00	4.50	5.00	3.00		4.00	4.00	4.00	3.50	3.90	2.88	11.23	16.2%
4	Addresses progress toward recovery	4.00	4.00	4.00	3.50	3.50	4.50		4.00	2.00	4.50	5.00	2.00		2.00	4.00	4.00	4.00	3.67	2.81	10.30	25.6%
5	Addresses an ESA-listed stock	0.00	0.00	0.00	2.00	0.00	0.00		3.00	0.00	0.00	3.00	0.00		0.00	2.50	0.00	0.00	0.70	3.65	2.56	174.5%
6	Addresses other stocks	4.00	4.00	4.00	4.00	3.50	4.00		5.00	3.50	5.00	5.00	2.00		4.00	4.00	5.00	3.50	4.03	3.27	13.19	19.6%
7	Protects high-quality fish habitat	1.00	5.00	3.00	3.50	3.50	1.00		5.00	0.00	5.00	3.00	0.00		0.50	2.50	2.00	0.00	2.33	4.12	9.61	79.6%
8	Restores formerly productive habitat	3.00	5.00	5.00	3.00	4.50	4.00		5.00	3.00	5.00	5.00	2.00		4.00	4.50	5.00	3.50	4.10	4.04	16.56	24.0%
9	Supports restoration and maintenance of ecosystem functions	3.50	5.00	5.00	3.50	3.00	4.00		5.00	3.50	5.00	5.00	0.00		4.00	3.50	3.00	4.00	3.80	3.88	14.74	34.0%
10	Spatial Scale of Influence	3.00	3.00	4.50	3.50	3.00	3.00		3.00	3.50	5.00	4.00	2.00		3.00	4.50	3.50	3.50	3.47	3.62	12.55	22.1%
11	Temporal Scale of Influence	4.00	5.00	5.00	3.50	3.00	5.00		5.00	5.00	5.00	5.00	5.00		5.00	4.00	5.00	4.50	4.60	3.23	14.86	14.3%
12	Project Readiness	3.00	5.00	4.00	3.50	4.50	3.00		2.00	3.00	3.50	5.00	1.00		3.00	3.50	5.00	5.00	3.60	2.85	10.26	32.9%
Mean		3.25	4.04	3.79	3.33	3.25	3.42	NS	4.12	2.87	4.25	4.46	1.96	NS	3.12	3.75	3.75	3.21	Overall Weighted Score		144.03	
CoV		45.2%	36.0%	36.6%	14.8%	35.0%	44.5%	NS	25.4%	52.5%	34.2%	18.8%	78.8%	NS	49.7%	18.4%	40.8%	49.0%				
Outside 2 Standard Deviations?		N	N	N	N	N	N	NS	N	N	N	N	Y	NS	N	N	N	N				

Comments

If this is a photo of the culverts it doesn't show much, a better photo would help.

What is the land use upstream? Will the upstream habitat will remain intact, or is it vulnerble to a particular land use practice? Just curious.

Apparently, the one stock that is deemed "critical", Hoko River Chum, as per the Stock Status and Trends Table, will not benefit from this project. It's my understanding that this culvert project would be a Tier 1 in the WRIA19 Clallam County Culverts Priority List. A Level A Culvert Assessment Report was not attached or referenced within this narrative.

Hoko Culvert and Johnson Creek Culverts: The culvert replacement projects would presumably result in the restoration of access to ostensibly productive habitat. Two seemingly related criteria are "Protects high-quality fish habitat" and "Restores formerly productive habitat," but neither seem to capture the principal benefit of the project, which is the mitigation of barriers to habitat. Given that the projects are restorative in nature, they were scored them under the latter.

Hoko Culvert and Johnson Creek Culverts: These projects seem to restore the access to habitat for steelhead and coho (see assumptions), the populations of which are currently deemed "healthy," thus the lower recovery scores.

Hoko Culvert, Johnson Creek Culverts, Cowan Ranch: How do the culvert projects interact with the Cowan Ranch project, if at all? In other words, is there any synergistic benefit between the Hoko projects?

This project should not move forward without addressing concerns regarding Johnson Creek B which runs in the ditch parallel to the Hoko Ozette Road.

General Comment: Frankly, I'd like to see how the project sponsors score their projects. It would give some insights, I think, into what they perceive the principle salient benefits to be, and why. I don't necessarily believe that bias is eliminated by disallowing project sponsors to score their own projects (providing that only one of the project "team" submits scores for a specific project) - I think the bias is reflected in their relative scoring of others' competing projects.

All Projects: No project speaks to "Protects...habitat," per se. Thus, all projects were scored zeros for this criterion.

Assumption - All Projects: Steelhead, coho, and coastal and sea run cutthroat spawn in tributaries and the headwaters and higher reaches of the watershed. Chinook tend to favour in larger gravels in the main stem of the river, and chum in the lower reaches.

Assumption - All Projects: Benefit to ESA-listed stocks is provided only by the Morse Creek project. Benefits to species in the west-of-Elwha watersheds are captured under "Addresses other stocks."

2020 & 2021 NOPLÉ Four Year Workplan	Date:
	22-Nov-19

Mean of all Scores:	3.32
SD of all Scores:	0.76
2 X SD of all Scores:	1.53
Mean - 2 X:	1.79
Mean + 2 X:	4.85

**Hoko Culvert 80001279
Replacement**

19102

Overall Weighted Score

136.34

NS = No Score Given

CoV = Coefficient of Variation (Standard deviation/Mean as %)

ID	Criteria for Ranking	Score 0 to 5 with 5 being best																	Mean Score	Weight	Weighted Mean Score	CoV (%)
		Scorer 1	Scorer 2	Scorer 3	Scorer 4	Scorer 5	Scorer 6	Scorer 7	Scorer 8	Scorer 9	Scorer 10	Scorer 11	Scorer 12	Scorer 13	Scorer 14	Scorer 15	Scorer 16	Scorer 17				
1	Watershed Priority	3.494	3.494	3.494	3.494	3.494	3.494		3.494	3.494	3.494	3.494	3.494		3.494	3.494	3.494	3.494	3.494	2.96	10.35	0.0%
2	Addresses limiting factor(s)	5.00	5.00	4.00	3.50	3.00	5.00		3.00	3.50	5.00	4.00	3.00		4.50	4.00	5.00	3.50	4.07	4.08	16.59	19.6%
3	Addresses stock status and trends	4.00	3.00	3.00	3.00	3.00	4.00		2.00	4.00	4.50	5.00	0.00		4.00	4.00	4.00	3.50	3.40	2.88	9.79	35.2%
4	Addresses progress toward recovery	4.00	4.00	4.00	3.50	3.00	4.50		4.00	2.00	4.50	5.00	0.00		2.00	3.50	4.00	3.50	3.43	2.81	9.65	36.9%
5	Addresses an ESA-listed stock	0.00	0.00	0.00	2.00	0.00	0.00		3.00	0.00	0.00	3.00	0.00		0.00	2.50	0.00	0.00	0.70	3.65	2.56	174.5%
6	Addresses other stocks	4.00	4.00	4.00	4.00	3.00	4.00		5.00	3.50	5.00	5.00	1.00		4.00	3.50	5.00	3.50	3.90	3.27	12.75	26.2%
7	Protects high-quality fish habitat	1.00	5.00	3.00	3.00	3.00	1.00		4.00	0.00	5.00	3.00	0.00		0.50	2.50	2.00	0.00	2.20	4.12	9.06	78.6%
8	Restores formerly productive habitat	3.00	5.00	5.00	3.00	4.00	4.00		4.00	3.00	5.00	5.00	0.50		4.00	4.50	5.00	3.00	3.87	4.04	15.62	31.8%
9	Supports restoration and maintenance of ecosystem functions	3.50	5.00	5.00	3.50	3.00	4.00		4.00	3.50	5.00	5.00	0.00		4.00	3.50	3.00	4.00	3.73	3.88	14.49	33.5%
10	Spatial Scale of Influence	3.00	3.00	4.00	3.00	2.00	3.50		2.00	3.00	4.50	4.00	0.50		2.00	4.00	3.00	3.00	2.97	3.62	10.74	34.6%
11	Temporal Scale of Influence	4.00	5.00	5.00	3.50	3.00	5.00		5.00	5.00	5.00	5.00	5.00		5.00	4.00	5.00	4.50	4.60	3.23	14.86	14.3%
12	Project Readiness	3.00	5.00	4.00	2.50	4.00	3.50		2.00	3.00	3.50	5.00	0.00		3.00	3.50	5.00	5.00	3.47	2.85	9.88	39.1%
Mean		3.17	3.96	3.71	3.17	2.87	3.50	NS	3.46	2.83	4.21	4.37	1.12	NS	3.04	3.58	3.71	3.08	Overall Weighted Score		136.34	
CoV		43.8%	37.5%	36.6%	16.9%	36.4%	43.1%	NS	31.1%	52.9%	34.2%	19.0%	152.9%	NS	52.2%	16.7%	41.6%	50.3%				
Outside 2 Standard Deviations?		N	N	N	N	N	N	NS	N	N	N	N	Y	NS	N	N	N	N				

Comments
A photo of the culvert would be helpful.

I found myself wondering, for the Hoko, where in the watershed the projects were located relative to the others. What is the land use upstream? Will the upstream habitat will remain intact, or is it vulnerable to a particular land use practice? Just curious.

Apparently, the one stock that is deemed "critical", Hoko River Chum, as per the Stock Status and Trends Table, will not benefit from this project. It's my understanding that this culvert project would be a Tier 1 in the WRIA19 Clallam County Culverts Priority List. Unfortunately, the attached Level A Culvert Assessment Report does not indicate the Tier.

Hoko Culvert and Johnson Creek Culverts: The culvert replacement projects would presumably result in the restoration of access to ostensibly productive habitat. Two seemingly related criteria are "Protects high-quality fish habitat" and "Restores formerly productive habitat," but neither seem to capture the principal benefit of the project, which is the mitigation of barriers to habitat. Given that the projects are restorative in nature, they were scored them under the latter.

Hoko Culvert and Johnson Creek Culverts: These projects seem to restore the access to habitat for steelhead and coho (see assumptions), the populations of which are currently deemed "healthy," thus the lower recovery scores.

Hoko Culvert, Johnson Creek Culverts, Cowan Ranch: How do the culvert projects interact with the Cowan Ranch project, if at all? In other words, is there any synergistic benefit between the Hoko projects?

There is no evidence presented that this is an anadromous fish stream. I thought this culvert got removed from Hoko culvert barrier list. Recommend removing from list or adding additional information.

General Comment: Frankly, I'd like to see how the project sponsors score their projects. It would give some insights, I think, into what they perceive the principle salient benefits to be, and why. I don't necessarily believe that bias is eliminated by disallowing project sponsors to score their own projects (providing that only one of the project "team" submits scores for a specific project) - I think the bias is reflected in their relative scoring of others' competing projects.

All Projects: No project speaks to "Protects...habitat," per se. Thus, all projects were scored zeros for this criterion.

Assumption - All Projects: Steelhead, coho, and coastal and sea run cutthroat spawn in tributaries and the headwaters and higher reaches of the watershed. Chinook tend to favour in larger gravels in the main stem of the river, and chum in the lower reaches.

Assumption - All Projects: Benefit to ESA-listed stocks is provided only by the Morse Creek project. Benefits to species in the west-of-Elwha watersheds are captured under "Addresses other stocks."

2020 & 2021 NOBLE Four Year Workplan	Date:
	22-Nov-19

Mean of all Scores:	2.78
SD of all Scores:	0.71
2 X SD of all Scores:	1.43
Mean - 2 X:	1.35
Mean + 2 X:	4.21

Fish Passage Corrections on Joyce-Piedmont Road
19101

Overall Weighted Score

115.17

NS = No Score Given

CoV = Coefficient of Variation (Standard deviation/Mean as %)

ID	Criteria for Ranking	Score 0 to 5 with 5 being best																	Mean Score	Weight	Weighted Mean Score	CoV (%)
		Scorer 1	Scorer 2	Scorer 3	Scorer 4	Scorer 5	Scorer 6	Scorer 7	Scorer 8	Scorer 9	Scorer 10	Scorer 11	Scorer 12	Scorer 13	Scorer 14	Scorer 15	Scorer 16	Scorer 17				
1	Watershed Priority	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	1.566	2.96	4.64	0.0%
2	Addresses limiting factor(s)	3.50	5.00	4.50	3.50	2.00	4.50	3.00	2.00	2.50	4.50	4.00	3.00	4.50	4.00	2.50	0.00	3.50	3.32	4.08	13.56	38.0%
3	Addresses stock status and trends	4.00	2.00	3.00	3.00	2.00	2.50	0.00	2.00	2.00	0.00	4.00	0.00	3.00	2.50	3.50	2.00	3.50	2.29	2.88	6.61	56.1%
4	Addresses progress toward recovery	3.50	3.00	4.00	2.50	2.00	2.50	3.00	3.00	3.00	4.00	5.00	0.00	4.50	4.00	3.50	3.50	3.50	3.21	2.81	9.01	34.9%
5	Addresses an ESA-listed stock	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	2.50	0.00	0.00	0.44	3.65	1.61	226.2%
6	Addresses other stocks	4.00	3.00	4.00	3.50	2.00	2.00	3.00	3.50	3.50	4.00	5.00	0.50	5.00	3.00	3.50	5.00	3.00	3.38	3.27	11.06	34.5%
7	Protects high-quality fish habitat	1.00	3.00	3.00	3.00	2.50	1.00	0.00	3.50	0.00	4.50	3.00	0.00	4.50	0.50	2.50	2.00	0.00	2.00	4.12	8.24	78.6%
8	Restores formerly productive habitat	2.50	4.00	4.50	3.00	2.00	2.50	2.50	3.00	4.00	5.00	5.00	0.50	5.00	3.00	4.00	5.00	3.50	3.47	4.04	14.02	36.5%
9	Supports restoration and maintenance of ecosystem functions	3.00	4.00	5.00	3.50	2.00	2.50	4.00	4.00	3.00	5.00	5.00	0.00	4.00	3.00	3.50	3.00	4.00	3.44	3.88	13.35	35.9%
10	Spatial Scale of Influence	3.00	3.00	4.50	2.50	1.00	2.50	3.00	3.00	4.00	4.50	3.00	0.50	3.00	1.00	3.50	3.50	3.00	2.85	3.62	10.33	39.6%
11	Temporal Scale of Influence	4.00	5.00	5.00	3.50	3.00	5.00	5.00	3.00	5.00	5.00	5.00	5.00	5.00	5.00	3.50	5.00	4.50	4.50	3.23	14.54	17.1%
12	Project Readiness	3.00	4.00	5.00	3.00	2.50	2.00	5.00	1.00	2.00	2.00	4.00	0.00	3.00	2.50	3.00	2.00	5.00	2.88	2.85	8.21	48.5%
	Mean	2.76	3.13	3.67	2.88	1.88	2.38	2.51	2.46	2.55	3.34	3.96	0.92	3.59	2.51	3.09	2.71	2.92	Overall Weighted Score		115.17	
	CoV	46.5%	46.0%	42.2%	21.9%	40.9%	56.6%	71.6%	47.6%	60.5%	57.4%	28.4%	169.9%	43.4%	60.0%	22.3%	65.3%	54.8%				
	Outside 2 Standard Deviations?	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N				

Comments
 Good photo of 2 culverts, what about the other 2? Any barriers below these projects? Mention is made of salmonid species but which ones and what are their trends?
 What is the land use upstream? Will the upstream habitat will remain intact, or is it vulnerable to a particular land use practice? Just curious.
 One question however, what's the fish passage status of the Whiskey and Field creek culverts along Hwy. 112 that are downstream of the these proposed county culverts? This was not mentioned at all in the narrative. Are the Hwy. 112 culverts in need of fish passage corrections as well? If so, when might that occur? While I ranked most of our technical criteria relatively low for this project, for a variety of reasons, it does make a lot of sense to take advantage of this opportunity to accomplish these fish passage corrections during the resurfacing work. While "opportunities", like what this project offers, is not really a technical criteria, it is a criteria that the LEG policy group should definitely consider when ultimately deciding on funding for salmon projects. Projects like this will likely not be accomplished at current funding levels, for a very long time, without taking advantage of opportunities like this one.
 Joyce-Piedmont: No information (no data?) on the current identity and status of anadromous stocks.
 No stock/trend information listed on the stock and trend table for either Whiskey or Field Creek. However, the project description does include stock information, so my scoring for criteria 3 is tentative.
 Insufficient information to evaluate project. Projects should be separated in order to evaluate and score. For example, culvert 1703 is described as Tier 1, number 12 but it appears to be a non-fish bearing stream. Recommend removing project(s) from list until sufficient information can be provided to evaluate project.
 General Comment: Frankly, I'd like to see how the project sponsors score their projects. It would give some insights, I think, into what they perceive the principle salient benefits to be, and why. I don't necessarily believe that bias is eliminated by disallowing project sponsors to score their own projects (providing that only one of the project "team" submits scores for a specific project) - I think the bias is reflected in their relative scoring of others' competing projects.
 All Projects: No project speaks to "Protects...habitat," per se. Thus, all projects were scored zeros for this criterion.
 Assumption - All Projects: Steelhead, coho, and coastal and sea run cutthroat spawn in tributaries and the headwaters and higher reaches of the watershed. Chinook tend to favour in larger gravels in the main stem of the river, and chum in the lower reaches.
 Assumption - All Projects: Benefit to ESA-listed stocks is provided only by the Morse Creek project. Benefits to species in the west-of-Elwha watersheds are captured under "Addresses other stocks."

2020 & 2021 NOPL Four Year Workplan	Date:
	22-Nov-19

Mean of all Scores:	5.00
SD of all Scores:	0.00
2 X SD of all Scores:	0.00
Mean - 2 X:	5.00
Mean + 2 X:	5.00

Projects listed from West to East

Overall Weighted Score

NS = No Score Given

Capital Project
MAXIMUM POSSIBLE SCORE

206.96

CoV = Coefficient of Variation (Standard deviation/Mean as %)

ID	Criteria for Ranking	Score 0 to 5 with 5 being best																	Mean Score	Weight	Weighted Mean Score	CoV (%)	
		Scorer 1	Scorer 2	Scorer 3	Scorer 4	Scorer 5	Scorer 6	Scorer 7	Scorer 8	Scorer 9	Scorer 10	Scorer 11	Scorer 12	Scorer 13	Scorer 14	Scorer 15	Scorer 16	Scorer 17					
1	Watershed Priority	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	2.96	14.81	0.0%
2	Addresses limiting factor(s)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.08	20.40	0.0%
3	Addresses stock status and trends	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	2.88	14.40	0.0%
4	Addresses progress toward recovery	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	2.81	14.05	0.0%
5	Addresses an ESA-listed stock	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.65	18.25	0.0%
6	Addresses other stocks	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.27	16.35	0.0%
7	Protects high-quality fish habitat	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.12	20.60	0.0%
8	Restores formerly productive habitat	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.04	20.20	0.0%
9	Supports restoration and maintenance of ecosystem functions	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.88	19.40	0.0%
10	Spatial Scale of Influence	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.62	18.10	0.0%
11	Temporal Scale of Influence	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.23	16.15	0.0%
12	Project Readiness	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	2.85	14.25	0.0%
	Mean	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	Overall Weighted Score		206.96	
	CoV	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
	Outside 2 Standard Deviations?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N				

2020 & 2021 NOPL Four Year Workplan

Date:

22-Nov-19

Final Watershed Priorities Sorted by Standardized Score

WRIA	System	Overall Standardized Score (Max 5)
18	Elwha River	5.000
18	Dungeness River	4.699
17 + 18 + 19	Nearshore	4.639
18	Morse Creek	4.096
19	Pysht River	3.494
19	Hoko River	3.494
19	Lyre River	3.193
19	Clallam River	2.861
19	Sekiu River	2.831
19	Sail River	2.530
18	Ennis Creek	2.530
19	Salt Creek	2.530
19	Deep Creek	2.199
19	Colville Creek	1.898
17	Jimmycomelately Creek	1.867
19	East Twin River	1.867
19	West Twin River	1.867
18	McDonald Creek	1.867
18	Siebert Creek	1.867
17	Chicken Coop Creek	1.566
17	Dean Creek	1.566
17	Johnson Creek	1.566
19	Whiskey Creek	1.566
19	Bullman Creek	1.566
19	Butler Creek (19.0112)	1.566
19	Field Creek	1.566
19	Jim Creek	1.566

WRIA	System	Overall Standardized Score (Max 5)
19	Joe Creek	1.566
19	Murdock Creek	1.566
18	Peabody Creek	1.566
18	Meadowbrook Creek	1.566
18	Tumwater Creek	1.566
18	Valley Creek	1.566
18	Bell Creek	0.904
18	Cooper Creek (18.0017)	0.904
18	Cassalery Creek	0.904
19	Olsen Creek	0.904
18	Bagley Creek	0.904
18	Dry Creek	0.904
18	Gierin Creek	0.904

2020 & 2021 NOPLÉ Four Year Workplan - Capital Projects Criteria

Date:
22-Nov-19

ID	Criteria for Ranking	Criteria Narrative	0	1	2	3	4	5	Mean Weight	
1	Watershed Priority	What is the watershed priority score for this proposal? This criterion is mandated by regulation. The score is calculated based on data concerning historical and current productivity and stock diversity of the NOPLÉ watersheds. This score is added by Lead Entity staff for the watershed(s) covered by the proposed project.	Watershed priority scores have been calculated for each NOPLÉ watershed. The calculation produced a numerical score based on difference between historical and current watershed productivity plus historical number of stock and stock elements. See separate Watershed Priority Table for data and more details on the calculation.							2.96
2	Addresses limiting factor(s)	How well does the proposed work address the limiting factor(s) pertinent to the watershed and stock?	Does not mention or address a limiting factor at all	Mentions a limiting factor, but addresses only vaguely	Indirectly addresses a limiting factor but only minimally	Indirectly addresses a limiting factor, but only moderately, OR Directly addresses limiting factor, but only minimally	Addresses a limiting factor directly and moderately	Addresses a limiting factor directly and substantially	4.08	
3	Addresses stock status and trends	How well does the proposed work address the status and trends of the stock(s) of interest?	Stock fully recovered; no more work needed	Addresses recovered stock	Addresses rebuilding stock	Addresses depressed stock that is increasing	Addresses depressed stock that is decreasing	Addresses critical stock	2.88	
4	Addresses progress toward recovery	To what extent does the watershed or nearshore area need further habitat protection and/or restoration efforts?	Recovery completed; needs no further efforts to complete recovery	Recovery in progress; needs just a little protection and/or restoration effort to complete recovery	Recovery in progress; needs some protection and/or restoration effort to complete recovery	Recovery in progress; needs moderate protection and/or restoration effort to complete recovery	Recovery in progress; needs more than moderate protection and/or restoration effort to complete recovery	Recovery in progress; needs substantial or major protection and/or restoration effort to complete recovery	2.81	
5	Addresses an ESA-listed stock	To what extent does the project benefit listed stocks?	Does not mention or address a listed stock at all	Mentions listed stock, but addresses only vaguely	Indirectly addresses listed stock and only minimally	Indirectly addresses listed stock moderately OR Directly addresses listed stock only minimally	Directly and moderately addresses listed stock	Directly and substantially addresses listed stock	3.65	
6	Addresses other stocks	To what extent does the project benefit non-listed stocks?	Does not mention or address a non-listed stock at all	Mentions non-listed stock, but addresses only vaguely	Indirectly addresses non-listed stock and only minimally	Indirectly addresses non-listed stock moderately OR Directly addresses non-listed stock only minimally	Directly and moderately addresses non-listed stock	Directly and substantially addresses non-listed stock	3.27	
7	Protects high-quality fish habitat	How well does the proposed work and instrument protect fish habitat?	Does not mention or address criterion at all; benefits not discernible	Mentions habitat protections but addresses criterion only vaguely; benefits uncertain at best	Addresses criterion only indirectly with only minimal benefits	Addresses criterion indirectly with moderate benefits OR addresses criterion directly with only minimal benefits	Addresses criterion directly with moderate benefits	Addresses criterion directly with substantial benefits	4.12	
8	Restores formerly productive habitat	How well does the project restore formerly productive habitat?	Does not mention or address criterion at all; benefits not discernible	Mentions habitat restoration but addresses criterion only vaguely; benefits uncertain at best	Addresses criterion only indirectly with only minimal benefits	Addresses criterion indirectly with moderate benefits OR addresses criterion directly with only minimal benefits	Addresses criterion directly with moderate benefits	Addresses criterion directly with substantial benefits	4.04	

ID	Criteria for Ranking	Criteria Narrative	0	1	2	3	4	5	Mean Weight
9	Supports restoration and maintenance of ecosystem functions	How well does the project restore and maintain ecosystem functions?	Does not mention or address criterion at all; benefits not discernible	Mentions ecosystem restoration but addresses criterion only vaguely; benefits uncertain at best	Addresses criterion only indirectly with only minimal benefits	Addresses criterion indirectly with moderate benefits OR addresses criterion directly with only minimal benefits	Addresses criterion directly with moderate benefits	Addresses criterion directly with substantial benefits	3.88
10	Spatial Scale of Influence	How far does the spatial scale of influence extend through a watershed or nearshore area?	Potential spatial scale of influence not mentioned or addressed; scale of benefits not discernible	Potential scale of influence minimal; Benefits local (limited to project area) at most and uncertain	Potential scale of influence slight; scale of benefits more than local and discernible	Potential scale of influence over a moderate portion of a watershed or nearshore area; benefits moderate and spread beyond the project area through part of the system	Potential scale of influence over a majority of a watershed or nearshore area; benefits more than moderate and spread through much of the system	Potential scale of influence over a watershed or nearshore area; benefits substantial and spread through essentially all of the system	3.62
11	Temporal Scale of Influence	How far does the temporal scale of influence extend through a watershed or nearshore area?	Potential temporal scale of influence not mentioned or addressed; scale of benefits not discernible	Potential scale of influence minimal; Benefits seasonal at most and uncertain	Potential scale of influence slight; scale of benefits more than seasonal but less than 1 year and discernible	Potential scale of influence of moderate duration; benefits moderate and endure for 2 to 4 years	Potential scale of influence of more than moderate duration; benefits moderate and endure for 5 to 10 years	Potential scale of influence of long-term to indefinite duration; benefits substantial and endure beyond 10 years	3.23
12	Project Readiness	How ready is the project to start now, if funded?	Not ready for foreseeable future; Time to overcome known obstacles and fulfill requirements is not determined but not in immediate future	Not ready for some years; time to overcome known obstacles and fulfill requirements is greater than 5 years	Ready within 3 or 4 years; Remaining obstacles and requirements can be resolved over 3 to 4 years	Ready within 2 years; remaining obstacles and requirements can be resolved within 2 years	Ready next year; remaining obstacles and requirements can be resolved within 1 year	Ready to start now given award of funds; no remaining obstacles or requirements; a ready-to-go project	2.85

Capital Projects Criteria Sorted by Mean Weight

Date:
22-Nov-19

ID	Criteria for Ranking	Criteria Narrative	0	1	2	3	4	5	Mean Weight
7	Protects high-quality fish habitat	How well does the proposed work and instrument protect fish habitat?	Does not mention or address criterion at all; benefits not discernible	Mentions habitat protections but addresses criterion only vaguely; benefits uncertain at best	Addresses criterion only indirectly with only minimal benefits	Addresses criterion indirectly with moderate benefits OR addresses criterion directly with	Addresses criterion directly with moderate benefits	Addresses criterion directly with substantial benefits	4.12
2	Addresses limiting factor(s)	How well does the proposed work address the limiting factor(s) pertinent to the watershed and stock?	Does not mention or address a limiting factor at all	Mentions a limiting factor, but addresses only vaguely	Indirectly addresses a limiting factor but only minimally	Indirectly addresses a limiting factor, but only moderately, OR Directly addresses limiting factor, but only minimally	Addresses a limiting factor directly and moderately	Addresses a limiting factor directly and substantially	4.08
8	Restores formerly productive habitat	How well does the project restore formerly productive habitat?	Does not mention or address criterion at all; benefits not discernible	Mentions habitat restoration but addresses criterion only vaguely; benefits uncertain at best	Addresses criterion only indirectly with only minimal benefits	Addresses criterion indirectly with moderate benefits OR addresses	Addresses criterion directly with moderate benefits	Addresses criterion directly with substantial benefits	4.04
9	Supports restoration and maintenance of ecosystem functions	How well does the project restore and maintain ecosystem functions?	Does not mention or address criterion at all; benefits not discernible	Mentions ecosystem restoration but addresses criterion only vaguely; benefits uncertain at best	Addresses criterion only indirectly with only minimal benefits	Addresses criterion indirectly with moderate benefits OR addresses criterion directly with only minimal benefits	Addresses criterion directly with moderate benefits	Addresses criterion directly with substantial benefits	3.88
5	Addresses an ESA-listed stock	To what extent does the project benefit listed stocks?	Does not mention or address a listed stock at all	Mentions listed stock, but addresses only vaguely	Indirectly addresses listed stock and only minimally	Indirectly addresses listed stock moderately OR Directly addresses listed stock only minimally	Directly and moderately addresses listed stock	Directly and substantially addresses listed stock	3.65
10	Spatial Scale of Influence	How far does the spatial scale of influence extend through a watershed or nearshore area?	Potential spatial scale of influence not mentioned or addressed; scale of benefits not discernible	Potential scale of influence minimal; Benefits local (limited to project area) at most and uncertain	Potential scale of influence slight; scale of benefits more than local and discernible	Potential scale of influence over a moderate portion of a watershed or nearshore area; benefits moderate and extend beyond	Potential scale of influence over a majority of a watershed or nearshore area; benefits more than moderate and extend	Potential scale of influence over a watershed or nearshore area; benefits substantial and spread through essentially all of the	3.62
6	Addresses other stocks	To what extent does the project benefit non-listed stocks?	Does not mention or address a non-listed stock at all	Mentions non-listed stock, but addresses only vaguely	Indirectly addresses non-listed stock and only minimally	Indirectly addresses non-listed stock moderately OR Directly addresses non-listed stock only minimally	Directly and moderately addresses non-listed stock	Directly and substantially addresses non-listed stock	3.27
11	Temporal Scale of Influence	How far does the temporal scale of influence extend through a watershed or nearshore area?	Potential temporal scale of influence not mentioned or addressed; scale of benefits not discernible	Potential scale of influence minimal; Benefits seasonal at most and uncertain	Potential scale of influence slight; scale of benefits more than seasonal but less than 1 year and discernible	Potential scale of influence of moderate duration; benefits moderate and endure for 2 to 4 years	Potential scale of influence of more than moderate duration; benefits moderate and endure for 5 to 10 years	Potential scale of influence of long-term to indefinite duration; benefits substantial and endure beyond 10 years	3.23
1	Watershed Priority	What is the watershed priority score for this proposal? This criterion is mandated by regulation. The score is calculated based on data concerning historical and current productivity and stock diversity of the NOBLE watersheds. This score is added by Lead Entity staff for the watershed(s) covered by the proposed project.	Watershed priority scores have been calculated for each NOBLE watershed. The calculation produced a numerical score based on difference between historical and current watershed productivity plus historical number of stock and stock elements.-See separate Watershed Priority Table for data and more details on the calculation.						2.96

3	Addresses stock status and trends	How well does the proposed work address the status and trends of the stock(s) of interest?	Stock fully recovered; no more work needed	Addresses recovered stock	Addresses rebuilding stock	Addresses depressed stock that is increasing	Addresses depressed stock that is decreasing	Addresses critical stock	2.88
12	Project Readiness	How ready is the project to start now, if funded?	Not ready for foreseeable future; Time to overcome known obstacles and fulfill requirements is not determined but not in immediate future	Not ready for some years; time to overcome known obstacles and fulfill requirements is greater than 5 years	Ready within 3 or 4 years; Remaining obstacles and requirements can be resolved over 3 to 4 years	Ready within 2 years; remaining obstacles and requirements can be resolved within 2 years	Ready next year; remaining obstacles and requirements can be resolved within 1 year	Ready to start now given award of funds; no remaining obstacles or requirements; a ready-to-go project	2.85
4	Addresses progress toward recovery	To what extent does the watershed or nearshore area need further habitat protection and/or restoration efforts?	Recovery completed; needs no further efforts to complete recovery	Recovery in progress; needs just a little protection and/or restoration effort to complete recovery	Recovery in progress; needs some protection and/or restoration effort to complete recovery	Recovery in progress; needs moderate protection and/or restoration effort to complete recovery	Recovery in progress; needs more than moderate protection and/or restoration effort to complete recovery	Recovery in progress; needs substantial or major protection and/or restoration effort to complete recovery	2.81