

WSPER July 26 Technical Advisory Group Supplemental Meeting Materials

This packet contains overall guidelines for decision-making, a description of how projects scores were normalized, the updated **2022 WSPER Preliminary Ranked Salmon Habitat List**, and tables with normalized scores overall and in each scoring category.

Preliminary Ranking

The WSPER Technical Advisory Group scored projects in June, leading to a preliminary ranking. The last scoresheet was received June 11, and the scores were tallied and presented at the June 14 TAG meeting. A decision was made to delay final ranking until SRFB Review Panel Comments were received on July 21, 2022. Since June, three projects withdrew from the ranking, including Little Manzanita, Cooper Creek, and Long Lake Residential Riparian. Eleven projects remain on the list. Two of those have undergone significant changes to the scope and budget due to new information received or Review Panel comments.

A discussion of the preliminary scores and changes to project scope and budget is to occur during the July 26 TAG meeting. The information contained in this packet has been compiled to help structure a conversation that leads to a final ranking by consensus or vote at the July 26 meeting.

Project scoring

Project scores have been normalized to help remove scorer bias by using the scorer's mean score and associated standard deviation. This results in a standard normal distribution with a mean of 0 and a standard deviation of 1 for the scorer's set of responses.

For each project, the standard error was calculated using the mean of the normalized scores/ $\sqrt{\text{(count of scorers)}}$. The error bars in the chart below show variability/error/uncertainty around the score.

The normalized scores have changed since the original preliminary ranking because three projects were removed from the Excel table, resulting in changes to the normalized calculations (withdrawn projects removed from the spreadsheet 7/22/2022 for the final ranking).

Decision-Making Process per WSPER Operating Guidelines

Agreement on the ranking and resulting final recommended list to the Working Group will be by consensus or voting. Disagreement should be constructive and focused on project merit. Consensus is understood as a range of support from endorsing the decision, endorsing the decision with a minor point of contention, agreeing with reservations, abstaining, or standing aside, to formal disagreement but allowing the majority to make a decision. Blocking or vetoing a decision by one or more members means that consensus is not achieved. The meeting facilitator will determine if consensus has been reached, and if not, the facilitator shall facilitate a dialogue to identify specific challenges and barriers to reaching consensus. The facilitator shall facilitate a dialogue with members to address the challenges and barriers in order to reach consensus. In the event a consensus is not reachable, a vote will be called and must receive majority (of the members present) to pass. Issues being put to a vote will be decided by a simple majority, with one vote per organization.

Total Expected Funds Availability

PSAR	991,014	Jul-23
SRFB	295,932	Sep-22
Additional SRFB (from the \$25 million)	347,936	Sep-22
Total funds available	\$1,634,882	

Schedule

Thursday, July 21, 2022	Final comment form received	Final SRFB comment received identifying projects as "Clear," "Conditioned," or "Project of Concern"
Tuesday, July 26, 2022	TAG meeting	Develop final ranked list
Tuesday, August 2, 2022	Working Group meeting	Review ranked list
Tuesday, August 9, 2022	Executive Committee meeting	Approve ranked list
Friday, August 12, 2022	Final SRFB list due	Final ranked list due in PRSIM

2022 WSPER Preliminary Ranked Salmon Habitat List

SRFB Status	Norm Score	PRISM Number & Project Name	Project Category	Project Sponsor	Funding Request	Match	Total Cost	Total Funding	Accrued Total
Cleared	1.46	22-1131 Crabapple/Carpenter Creek Estuary Protection	Acquisition	GPC	\$ 491,920	\$ 1,042,200.00	\$ 1,534,120.00	\$ 491,920	\$ 491,920.00
Conditioned	0.32	22-1098 Finn Creek Estuary Restoration Project	Planning - Design	WFC	\$ 180,000	\$ -	\$ 180,000.00	\$ 180,000	\$ 671,920.00
Cleared	0.26	22-1100 Rose Point Embayment Restoration	Restoration	MSFEG	\$ 969,898	\$ 251,000.00	\$ 1,220,898.00	\$ 962,962	\$ 1,634,882.00
Cleared	0.19	22-1110 Salmonberry Creek Protection	Planning - Design	GPC	\$ 488,100	\$ 320,000.00	\$ 808,100.00		
Cleared	0.04	22-1121 Fletcher Bay Road Fish Passage Restoration	Planning - Design (final)	MSFEG, City of BI	\$ 134,300	\$ 23,700.00	\$ 158,000.00		
Cleared	-0.05	22-1319 Barnabee Final Design and Stream Restoration Project	Planning - Design (final) & Construct	BILT	\$ 200,000	\$ 175,109.00	\$ 375,109.00		
Conditioned	-0.28	22-1345 McNeil Island Estuary Restoration - Bodley Creek & Floyds Cove	Planning & Restoration	WDFW	\$ 502,750	\$ 634,000.00	\$ 1,136,750.00		
Cleared	-0.35	22-1120 Skunk Bay Armor Removal	Restoration	MSFEG	\$ 35,000	\$ 15,000.00	\$ 50,000.00		
Cleared	-0.39	22-1126 Henderson Bay Armor Removal Design	Planning (preliminary)	PCD	\$ 118,270	\$ -	\$ 118,270.00		
Cleared	-0.50	22-1111 Washington Conservation Corps Crew for Riparian Restoration	Restoration	KCD	\$ 242,000	\$ 42,756.00	\$ 284,756.00		
Conditioned	-0.84	22-1112 Long Lake Predation Assessment	Planning (assessment)	MSFEG	\$ 75,000	\$ 13,500.00	\$ 88,500.00		
					\$ 3,437,238	\$ 2,517,265.00	\$ 5,954,503.00	\$1,634,882	

Figure 1 Mean Normalized Score for all Categories (Benefits to Fish, Certainty of Success, SOW & Budget)

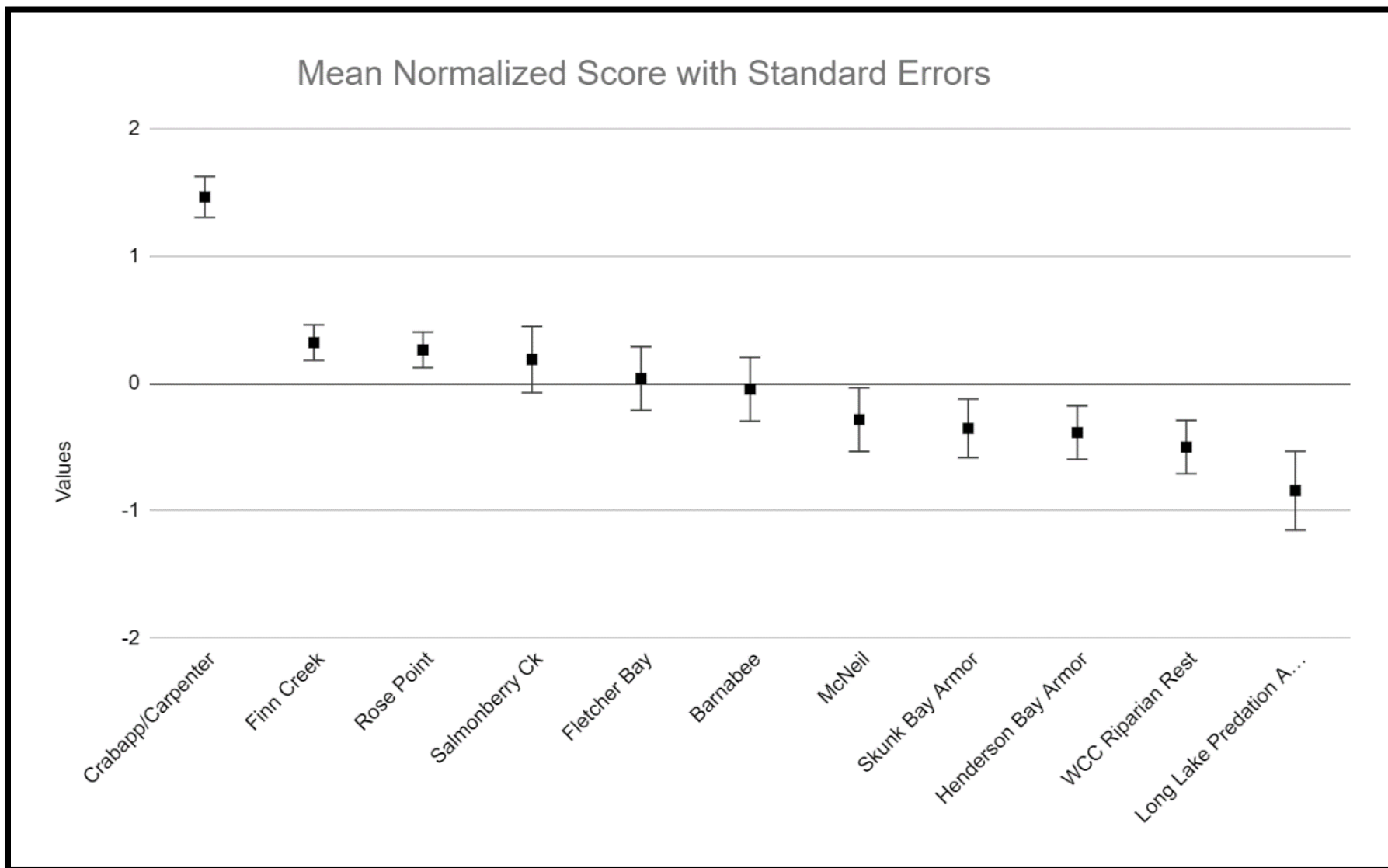


Table 1. Normalized Scores for all Categories (Benefits to Fish, Certainty of Success, SOW & Budget) by Scorer

Scorer	22-1131 Crabapple Carpenter	22-1098 Finn Creek	22-1100 Rose Point	22- 1110 Salmon berry Creek	21-1058 Fletcher Bay Road	22-1319 Barnabee Design & Rest	22- 1345 McNeil Est Rest	22-1110 Skunk Bay Armor Removal	22-1126 Henders on Bay Armor	22-1111 WCC Crew Riparian Rest	22-1112 Long Lake Predation Assess
1		1.46	1.13		-0.88	-0.21	0.46	-0.21		0.13	-1.88
2	0.13	-0.34	-0.34	0.60	-1.28	-1.28	0.13	1.06	0.60	-1.28	2.00
3	1.77	0.19	0.50	0.82	0.50		-2.02	-1.07	0.19	-0.44	-0.44
4	1.05		0.55	0.80	-0.19	0.80	0.80	-1.19	-1.93	-0.69	
5	1.35	-0.15	-0.32	0.68	-1.82	0.85	1.18	0.51	-1.65	-0.32	-0.32
6	1.33	0.41	0.18	-1.42	0.41	0.41	-0.27	-0.05		1.10	-2.10
7	1.60	0.84	0.34	1.35	-0.91	-0.91	0.34	-0.41	0.09	-1.92	-0.41
8	2.23	-0.46	0.88	0.14	0.29	0.29	-0.61	0.43	-1.21	-0.31	-1.66
9	1.00	0.31		1.00		0.31	-1.76		-0.84		
10	2.07		0.60	0.35	0.35	0.11	-0.38	-0.38	-1.12	-1.60	
11	1.25	0.78	-0.65	-1.60	1.73	0.78	0.30	-0.65	-0.17	-1.13	-0.65
13	2.12	0.50		-0.11	0.90	-0.52	-1.33		-0.72	0.09	-0.93
14	1.60	0.50		-1.22	-0.75	-0.28	0.82	0.66	0.35		-1.69
15	1.36	0.01	0.42	-0.66	0.82		-0.93	-2.28	0.82	0.28	0.15
16	2.55	0.66	-0.04	-0.04	0.43	-0.75	-0.99	-0.75	0.43	-0.28	-1.22
17	0.55	-0.24	0.16	2.13	0.95	-0.24		-0.63	-0.24	-0.63	-1.81
Mean	1.46	0.32	0.26	0.19	0.04	-0.05	-0.28	-0.35	-0.39	-0.50	-0.84
Std dev	0.62	0.51	0.49	1.02	0.94	0.64	0.94	0.84	0.84	0.77	1.07
Std err	0.16	0.14	0.14	0.26	0.25	0.18	0.25	0.23	0.22	0.21	0.31
Rank	1	2	3	4	5	6	7	8	9	10	11

Low

High

Scorer #12 did not participate.

Figure 2.

Mean Normalized Score for all Benefits to Fish

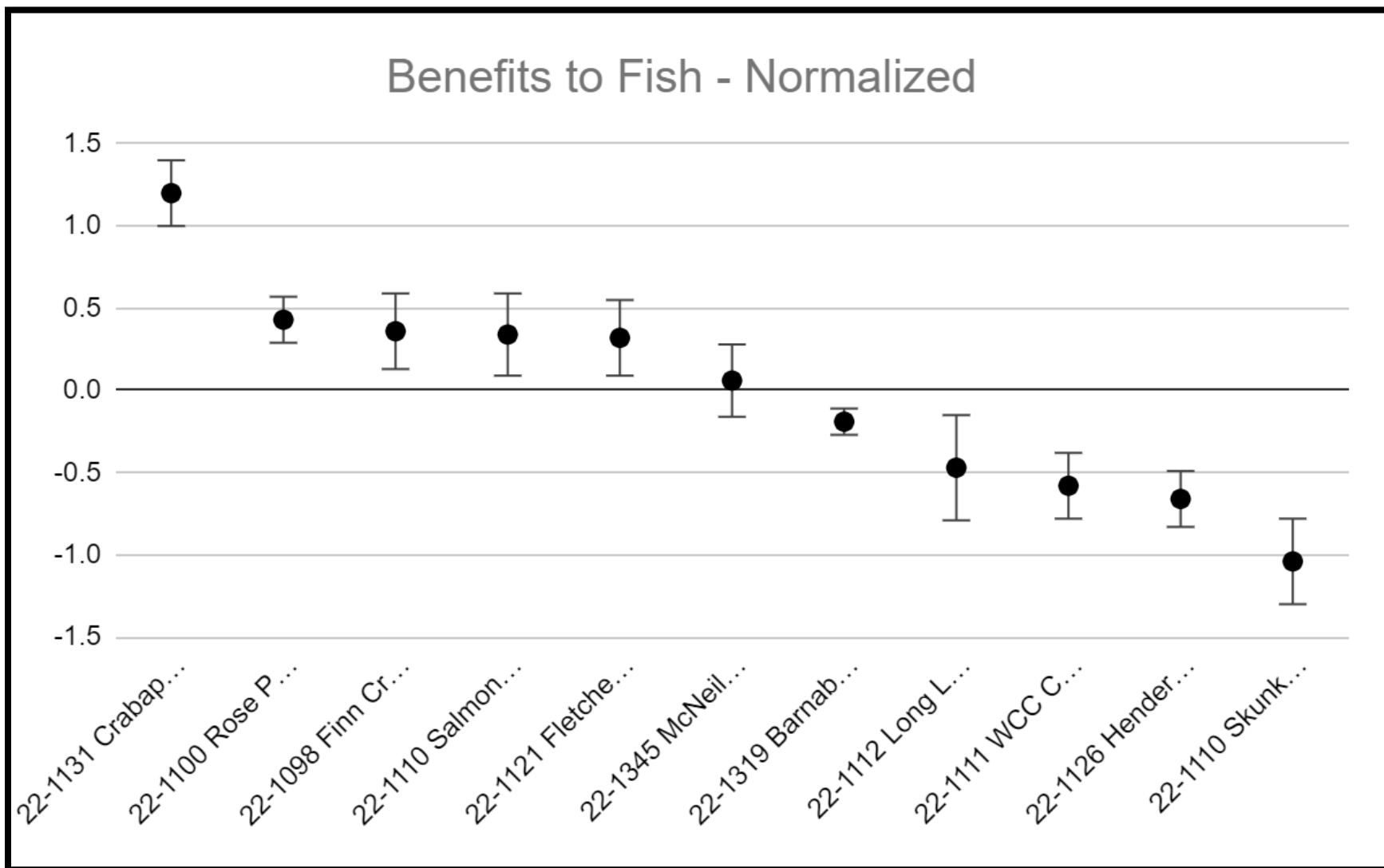


Table 2.

Normalized Scores for Benefits to Fish by Scorer

Scorer Number	22-1131 Crabapp Carpenter Creek Est Protect	22-1100 Rose Pt Embay Rest	22-1098 Finn Creek Estuary Restor Design	22-1110 Salmon-berry Ck Protect	22-1121 Fletcher Bay Rd Fish Passage Rest	22-1345 McNeil Est Rest	22-1319 Barnabee Final Design & Stream Rest	22-1112 Long Lake Predat Assess	22-1111 WCC Crew for Riparian Rest	22-1126 Henders on Bay Armor Removal Design	22-1110 Skunk Bay Armor Removal
1		1.39	1.39		-0.75	0.96	-0.32	-1.18	-0.75		-0.75
2	0.00	0.00	-0.78	0.78	-0.78	0.78	-0.78	2.35	-1.56	0.00	0.00
3	0.93	0.47	0.47	0.93	0.47	-1.40		0.47	0.00	0.00	-2.33
4	0.65	0.65	-1.48	0.65	0.65	0.65	0.65		-0.42	-2.02	
5	1.71	-0.13	0.33	0.33	-1.04	1.25	0.79	-0.58	-0.58	-1.96	-0.13
6	1.28	0.06	0.67	0.06	1.28	0.06	0.06	-1.77	0.06		-1.77
7	0.86	0.86	1.24	0.86	-0.66	0.86	-1.04	-0.66	-1.80	0.48	-1.04
8	2.18	0.98	-0.22	-0.22	0.38	-0.82	0.38	-1.42	-0.22	-1.42	0.38
9	0.84	-0.63	0.84	0.84		-1.37			0.84	-1.37	
10	1.49	0.70		0.70	0.70	-0.09	0.31		-1.67	-1.27	-0.88
11	1.21	0.26	1.21	-1.64	1.21	0.26	0.26	-0.69	0.26	-0.69	-1.64
13	1.67		0.60	0.60	1.31	-0.48	-0.84	-1.20	-0.84	-0.84	
14	2.01		0.65	-0.72	-0.72	0.99	-0.72	-1.41		-0.04	-0.04
15	1.43	0.67	-0.87	-0.36	1.18	-0.36		0.41	-0.36	0.41	-2.15
16	2.15	0.33	1.06	0.33	0.33	-0.40	-0.76	-0.76	-0.40	-0.03	-1.85
17	-0.50	0.33	0.33	2.00	1.17		-0.50	0.33	-1.33	-0.50	-1.33
Mean	1.20	0.43	0.36	0.34	0.32	0.06	-0.19	-0.47	-0.58	-0.66	-1.04
Std dev	0.76	0.51	0.85	0.95	0.87	0.83	0.63	1.11	0.76	0.64	0.89
Std err	0.20	0.14	0.23	0.25	0.23	0.22	0.18	0.32	0.20	0.17	0.26
Rank	1	2	3	4	5	6	7	8	9	10	11

Low
High

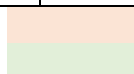


Figure 3.

Mean Normalized Score for Certainty of Success

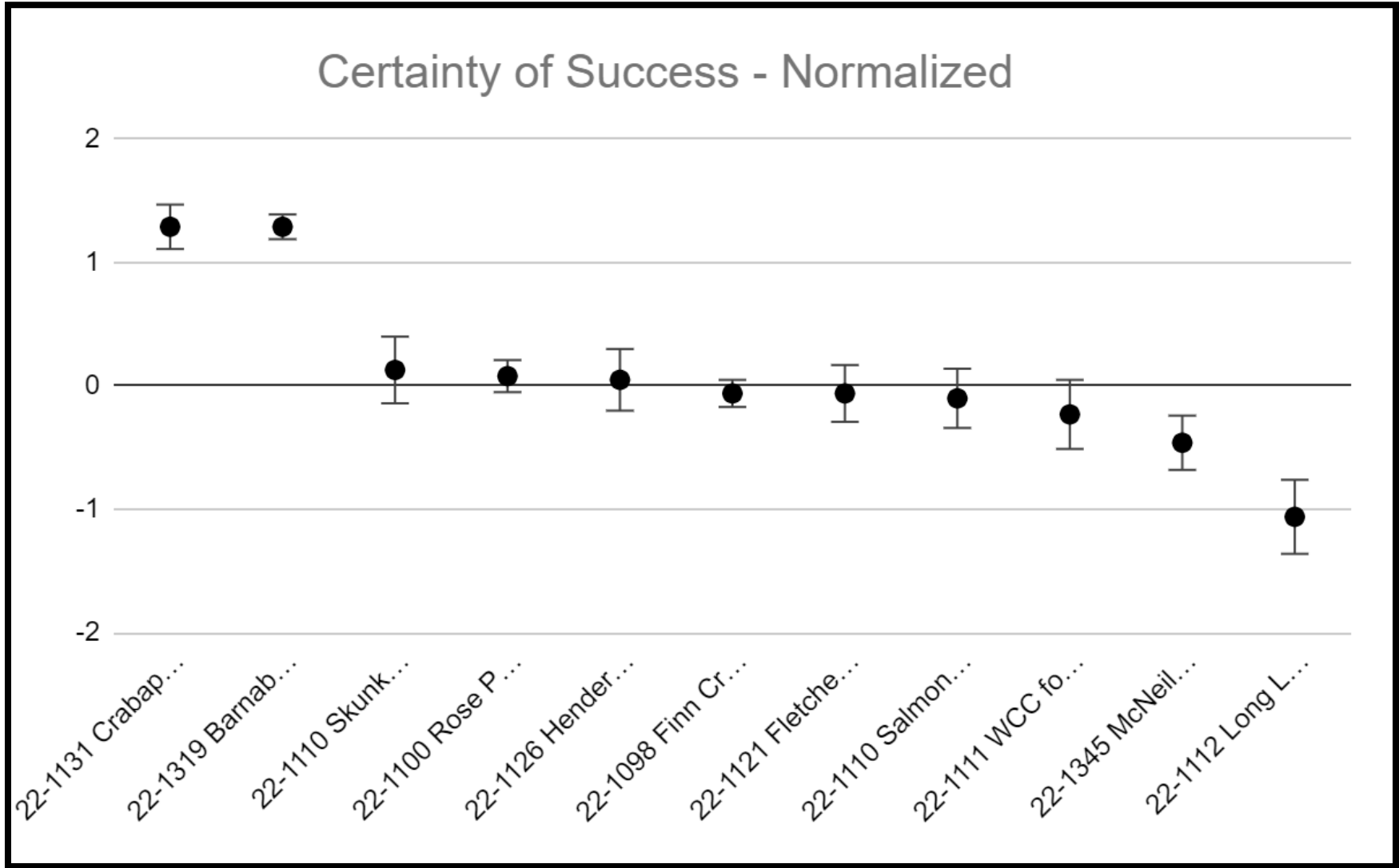


Table 3.

Normalized Scores for Certainty of Success by Scorer

Scorer Number	22-1131 Crabapple Carpenter Crk Est Protect	22-1319 Barnabee Final Design and Stream Rest	22-1110 Skunk Bay Armor Removal	22-1100 Rose Point Embay Rest	22-1126 Henderson Bay Armor Removal Design	22-1098 Finn Crk Est Rest Design	22-1121 Fletcher Bay Rd Fish Pass Restor	22-1110 Salmon-berry Crk Protect	22-1111 WCC for Riparian Rest	22-1345 McNeil Island Est rest	22-1112 Long Lake Predation Assess
1		0.23	0.23	0.23		0.23	0.23		1.15	0.23	-2.52
2	0.84	-0.32	2.00	-0.32	0.84	-0.32	-1.48	-0.32	-0.32	-1.48	0.84
3	1.67		1.00	0.33	1.00	-0.33	-0.33	0.33	-1.00	-1.00	-1.67
4	1.43	0.82	-1.02	0.82	-1.63		-0.41	0.82	-1.02	0.20	
5	1.06	0.70	0.70	-0.03	-1.49	-0.40	-2.22	0.70	-0.03	1.06	-0.03
6	0.72	0.38	0.72	0.38		0.38	0.03	-1.34	1.06	0.03	-2.37
7	1.91	-0.43	0.16	-0.43	-0.43	0.16	-0.43	1.33	-2.18	0.16	0.16
8	2.25	0.15	0.15	0.99	-0.69	-0.69	0.15	0.15	-0.27	-0.27	-1.94
9	0.81	0.24			-0.89	0.24		0.81	0.81	-2.03	
10	2.63	-0.10	-1.01	-0.10	-0.10		-0.10	-0.10	-1.01	-0.10	
11	-0.24	0.64	-0.24	-0.24	1.52	-0.24	1.52	-1.12	-2.00	0.64	-0.24
13	1.54	0.05			0.55	0.55	0.05	-1.43	1.04	-1.43	-0.93
14	1.15	0.75	1.15		0.35	-0.04	-0.04	-1.24		-0.04	-2.03
15	0.96		-2.12	0.27	0.96	0.62	0.62	-1.09	0.96	-0.75	-0.41
16	2.02	-0.06	0.63	-0.76	0.63	-0.76	0.63	-0.06	0.63	-1.45	-1.45
17	0.59	0.05	-0.48	0.05	0.05	0.05	1.12	1.12	0.05		-2.62
Mean	1.29	0.22	0.13	0.08	0.05	-0.06	-0.06	-0.10	-0.23	-0.46	-1.06
Std dev	0.71	0.38	1.02	0.47	0.93	0.42	0.89	0.92	1.07	0.86	1.10
Std err	0.18	0.10	0.27	0.13	0.25	0.11	0.23	0.24	0.28	0.22	0.30
Rank	1	2	3	4	5	6	7	8	9	10	11

Low
High

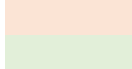


Figure 4.

Mean Normalized Score for SOW and Budget

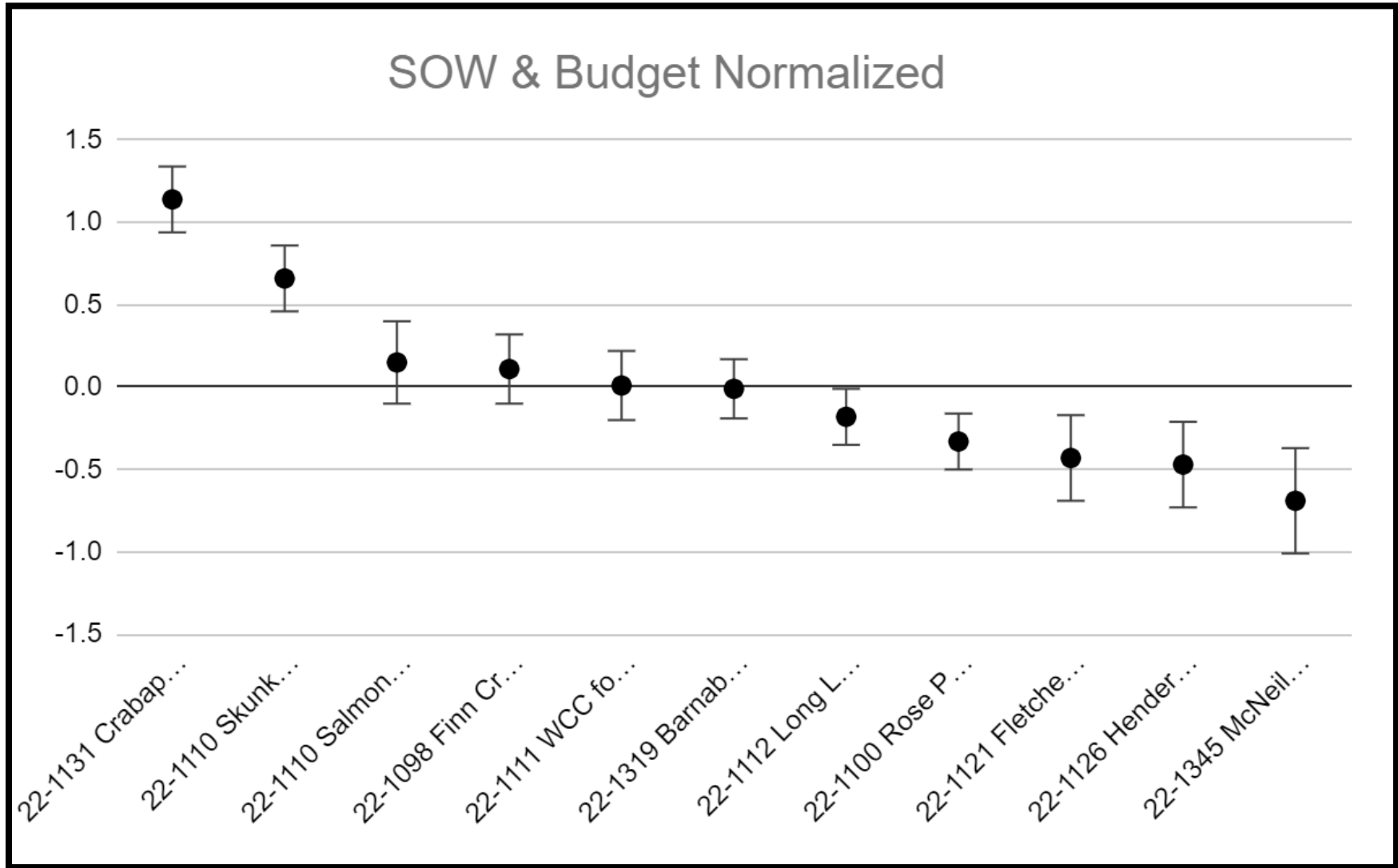



Table 4. Normalized Scores for Scope of Work and Budget by Scorer

Scorer #	22-1131 Crabapple Carpenter Cr Est Protect	22-1110 Skunk Bay Armor Removal	22-1110 Salmon- berry Ck Protect	22-1098 Finn Ck Est Rest Design	22-1111 WCC for Riparian Rest	22-1319 Barnabee Final Design and Stream Rest	22-1112 Long Lake Predation Assess	22- 1100 Rose Point Embay Rest	22-1121 Fletcher Bay Rd Fish Pass Restor	22-1126 Henderso n Bay Armor Removal Design	22-1345 McNeil Island Est rest
1		1.12		1.12	1.12	-0.16	-0.16	-0.16	-1.44		-1.44
2	-1.32	0.76	0.76	0.76	-1.32	-1.32	0.76	-1.32	0.76	0.76	0.76
3	1.32	0.12	0.12	0.12	0.12		0.12	0.12	1.32	-1.08	-2.29
4	0.71	-0.35	0.71		-0.35	0.71		-0.35	-1.41	-1.41	1.77
5	1.01	1.01	1.01	-0.38	-0.38	1.01	-0.38	-1.08	-1.77	-1.08	1.01
6	1.33	0.50	-2.00	-0.33	1.33	0.50	0.50	-0.33	-0.33		-1.17
7	1.14	1.14	1.14	-0.25	1.14	-0.25	-0.25	-0.25	-1.65	-0.25	-1.65
8	1.87	1.05	1.05	-0.60	-0.60	0.22	-1.42	0.22	0.22	-1.42	-0.60
9	0.78		0.78	-0.59	0.78	0.78				-0.59	-1.96
10	1.57	1.57	-0.20		-1.08	-0.20		0.69	-0.20	-1.08	-1.08
11	1.86	0.72	-0.41	0.72	-0.41	0.72	-0.41	-1.55	0.72	-1.55	-0.41
13	1.79		0.45	-0.22	0.45	-0.22	0.45		0.45	-1.57	-1.57
14	0.76	0.76	-1.35	0.76		-0.82	-0.82		-1.35	0.76	1.29
15	1.05	-1.42	-0.19	1.05	0.43		0.43	-0.19	-0.19	1.05	-2.04
16	1.91	0.96	-0.96	0.96	-0.96	-0.96	-0.96	0.00	0.00	0.96	-0.96
17	1.29	1.29	1.29	-1.57	-0.14	-0.14	-0.14	-0.14	-1.57	-0.14	
Mean	1.14	0.66	0.15	0.11	0.01	-0.01	-0.18	-0.33	-0.43	-0.47	-0.69
Std dev	0.77	0.74	0.95	0.77	0.82	0.68	0.61	0.61	0.99	0.96	1.26
Std err	0.20	0.20	0.25	0.21	0.21	0.18	0.17	0.17	0.26	0.26	0.32
Rank	1	2	3	4	5	6	7	8	9	10	11

Low 
 High 