



**US Army Corps
of Engineers** ®
Walla Walla District

SWEETWATER CREEK ECOSYSTEM RESTORATION

**Feasibility Report with
Integrated Environmental Assessment**

**Appendix C
Cost Estimate Report**

WALLA WALLA COST ENGINEERING MANDATORY CENTER OF EXPERTISE

COST AGENCY TECHNICAL REVIEW

CERTIFICATION STATEMENT

For Project No. 475982

NWW – Sweetwater Creek Ecosystem Restoration Section 203 Tribal Partnership Program

The Sweetwater Creek Ecosystem Restoration project, as presented by Walla Walla District, has undergone a successful Cost Agency Technical Review (Cost ATR), performed by the Walla Walla District Cost Engineering Mandatory Center of Expertise (Cost MCX) team. The Cost ATR included study of the project scope, report, cost estimates, schedules, escalation, and risk-based contingencies. This certification signifies the products meet the quality standards as prescribed in ER 1110-2-1150 Engineering and Design for Civil Works Projects and ER 1110-2-1302 Civil Works Cost Engineering.

As of November 14, 2023, the Cost MCX certifies the estimated total project cost:

FY24 Project First Cost:	\$10,013,000
Fully Funded Total Project Cost:	\$10,527,000
Federal Cost of Project:	\$10,325,000

Cost Certification assumes Efficient Implementation (Funding). It remains the responsibility of the District to correctly reflect these cost values within the Final Report and to implement effective project management controls and implementation procedures including risk management through the period of Federal Participation.



FOR:

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NELSON.DEREK.DUANE.12355382
UANE.1235538233³³
Date: 2023.11.14 13:26:45 -08'00'
Michael P. Jacobs, PE, CCE
Chief, Cost Engineering MCX
Walla Walla District

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: **Sweetwater**
PROJECT NO: **475982**
LOCATION: **Sweetwater, ID**

DISTRICT: **NWW**

PREPARED: **11/14/2023**

POC: **CHIEF, COST ENGINEERING, Mike Jacobs**

This Estimate reflects the scope and schedule in report; 2020-08-12 Sweetwater ALT Layouts (rev0.8).xlsx

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	REMAINING COST (\$K)	Spent Thru: 1-Oct-23 (\$K)	TOTAL FIRST COST (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
16	BANK STABILIZATION	\$4,874	\$1,462	30%	\$6,336	3.6%	\$5,051	\$1,515	\$6,566		\$6,566	5.4%	\$5,323	\$1,597	\$6,919
02	RELOCATIONS	\$75	\$23	30%	\$98	3.5%	\$78	\$23	\$101		\$101	5.4%	\$82	\$25	\$106
			-			-						-			
	CONSTRUCTION ESTIMATE TOTALS:	\$4,949	\$1,485		\$6,433	3.6%	\$5,129	\$1,539	\$6,667		\$6,667	5.4%	\$5,404	\$1,621	\$7,026
01	LANDS AND DAMAGES	\$248	\$50	20%	\$297	3.1%	\$255	\$51	\$307		\$307	0.6%	\$257	\$51	\$308
30	PLANNING, ENGINEERING & DESIGN	\$1,506	\$452	30%	\$1,958	5.1%	\$1,583	\$475	\$2,058		\$2,058	4.2%	\$1,650	\$495	\$2,145
31	CONSTRUCTION MANAGEMENT	\$718	\$215	30%	\$933	5.1%	\$755	\$226	\$981		\$981	6.8%	\$806	\$242	\$1,048
	PROJECT COST TOTALS:	\$7,420	\$2,201	30%	\$9,622		\$7,722	\$2,291	\$10,013		\$10,013	5.1%	\$8,117	\$2,410	\$10,527

CHIEF, COST ENGINEERING, Mike Jacobs

PROJECT MANAGER, Kat Herzog

CHIEF, REAL ESTATE, XXX

CHIEF, PLANNING, XXX

CHIEF, ENGINEERING, XXX

CHIEF, OPERATIONS, XXX

CHIEF, CONSTRUCTION, XXX

CHIEF, CONTRACTING, XXX

CHIEF, PM-PB, xxxx

CHIEF, DPM, XXX

ESTIMATED TOTAL PROJECT COST: \$10,527

ESTIMATED FEDERAL COST: **89%** \$9,394

ESTIMATED NON-FEDERAL COST: **11%** \$1,133

22 - FEASIBILITY STUDY (CAP studies): \$1,000

ESTIMATED FEDERAL COST: 93% \$932

ESTIMATED NON-FEDERAL COST: 7% \$68

ESTIMATED FEDERAL COST OF PROJECT \$10,325

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: Sweetwater
 LOCATION: Sweetwater, ID
 This Estimate reflects the scope and schedule in report; 2020-08-12 Sweetwater ALT Layouts (rev0.8).xlsx

DISTRICT: NWW
 POC: CHIEF, COST ENGINEERING, Mike Jacobs

PREPARED: 11/14/2023

WBS Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
		Estimate Prepared: 15-Sep-23 Estimate Price Level: 1-Oct-22				Program Year (Budget EC): 2024 Effective Price Level Date: 1-Oct-23								
		RISK BASED												
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
PHASE 1 or CONTRACT 1														
16	BANK STABILIZATION	\$4,874	\$1,462	30.0%	\$6,336	3.6%	\$5,051	\$1,515	\$6,566	2026Q1	5.4%	\$5,323	\$1,597	\$6,919
02	RELOCATIONS	\$75	\$23	30.0%	\$98	3.5%	\$78	\$23	\$101	2026Q1	5.4%	\$82	\$25	\$106
CONSTRUCTION ESTIMATE TOTALS:		\$4,949	\$1,485	30.0%	\$6,433		\$5,129	\$1,539	\$6,667			\$5,404	\$1,621	\$7,026
01	LANDS AND DAMAGES	\$248	\$50	20.0%	\$297	3.1%	\$255	\$51	\$307	2024Q2	0.6%	\$257	\$51	\$308
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$124	\$37	30.0%	\$161	5.1%	\$130	\$39	\$169	2024Q2	1.2%	\$132	\$40	\$172
1.0%	Planning & Environmental Compliance	\$49	\$15	30.0%	\$64	5.1%	\$52	\$15	\$67	2024Q2	1.2%	\$52	\$16	\$68
15.0%	Engineering & Design	\$742	\$223	30.0%	\$965	5.1%	\$780	\$234	\$1,014	2024Q2	1.2%	\$790	\$237	\$1,026
1.0%	Reviews, ATRs, IEPRs, VE	\$49	\$15	30.0%	\$64	5.1%	\$52	\$15	\$67	2024Q2	1.2%	\$52	\$16	\$68
1.0%	Life Cycle Updates (cost, schedule, risks)	\$49	\$15	30.0%	\$64	5.1%	\$52	\$15	\$67	2024Q2	1.2%	\$52	\$16	\$68
1.0%	Contracting & Reprographics	\$49	\$15	30.0%	\$64	5.1%	\$52	\$15	\$67	2026Q1	6.8%	\$55	\$17	\$72
3.0%	Engineering During Construction	\$148	\$44	30.0%	\$192	5.1%	\$156	\$47	\$202	2026Q1	6.8%	\$166	\$50	\$216
2.0%	Planning During Construction	\$99	\$30	30.0%	\$129	5.1%	\$104	\$31	\$135	2024Q2	1.2%	\$105	\$32	\$137
3.0%	Adaptive Management & Monitoring	\$148	\$44	30.0%	\$192	5.1%	\$156	\$47	\$202	2031Q1	24.3%	\$193	\$58	\$251
1.0%	Project Operations	\$49	\$15	30.0%	\$64	5.1%	\$52	\$15	\$67	2024Q2	1.2%	\$52	\$16	\$68
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$495	\$149	30.0%	\$644	5.1%	\$520	\$156	\$676	2026Q1	6.8%	\$556	\$167	\$722
2.0%	Project Operation:	\$99	\$30	30.0%	\$129	5.1%	\$104	\$31	\$135	2026Q1	6.8%	\$111	\$33	\$144
2.5%	Project Management	\$124	\$37	30.0%	\$161	5.1%	\$130	\$39	\$169	2026Q1	6.8%	\$139	\$42	\$181
CONTRACT COST TOTALS:		\$7,420	\$2,201		\$9,622		\$7,722	\$2,291	\$10,013			\$8,117	\$2,410	\$10,527