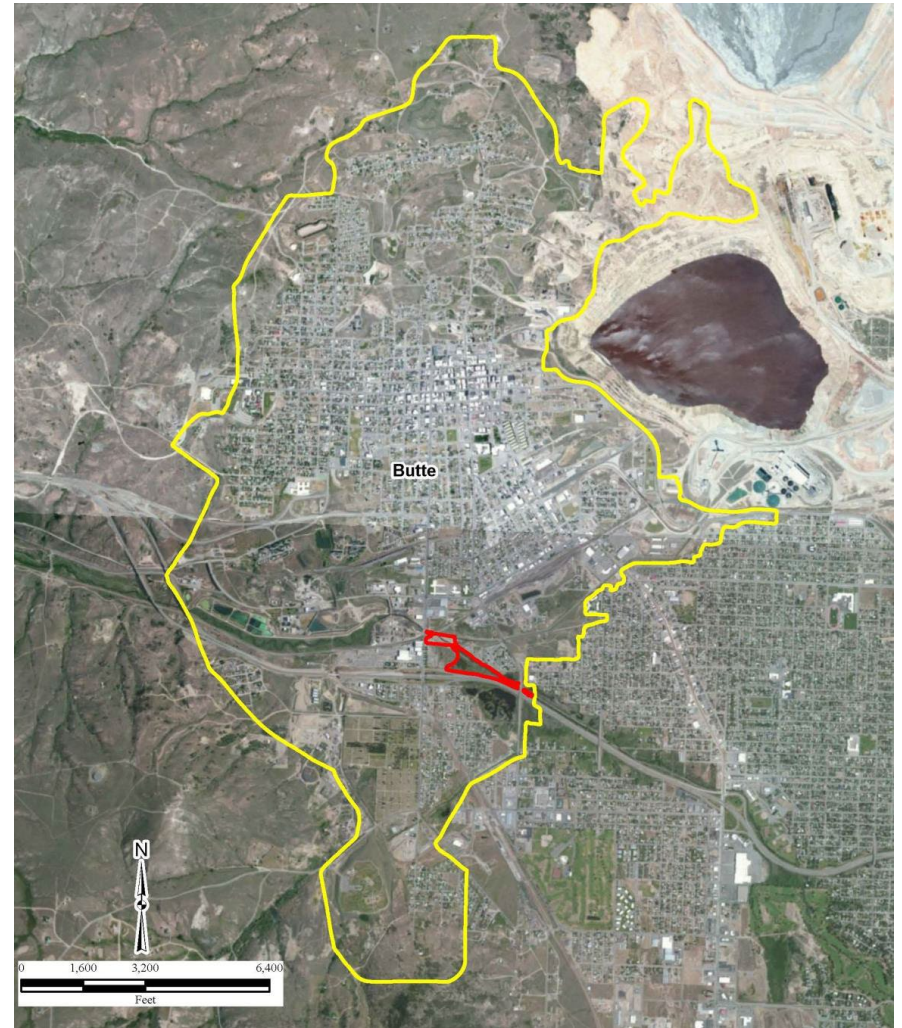


Blacktail Creek Riparian Action Update

Butte Natural Resource Council
Date: April 3, 2025

Agenda

- Team Introductions
- 30% Remedial Design Status and Overview
- Budget update
- Schedule
- SSTOU Update



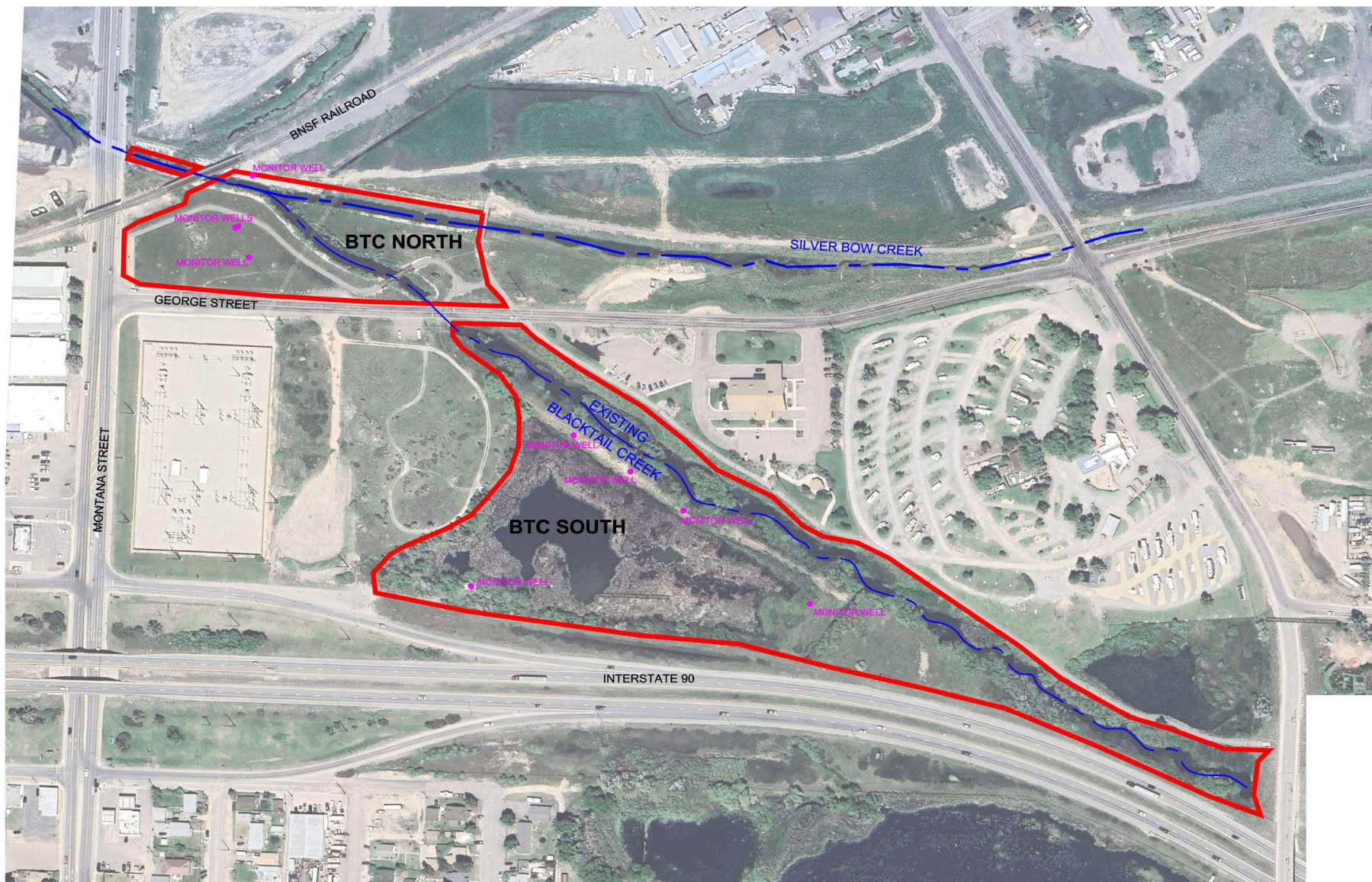
BTC Team

Project Managers:

- Logan Dudding- Construction Senior Project Manager
 - PM for Clark Fork, Streamside, Basin, Flat Creek and BTC
- Jacob Wheeling- Federal Superfund Project Manager
 - PM for Montana Pole, Idaho Pole, East Helena and BTC
- Section Supervisors:
 - Jorri Dyer- AML and Construction Services Section Supervisor (BTC is housed here)
 - Kevin Stone- Federal Superfund Section Supervisor (coordination for overlap on other BPSOU/Butte Projects)
- Waste Management and Remediation Division Administrator: Amy Steinmetz
- Superfund, AML and Construction Bureau Chief: Katie Garcin-Forba
- Site attorney: Jon Morgan
- Overhead and Personnel Expenses from 2021-to date: \$230,097
 - (Roughly \$65,742 per year)

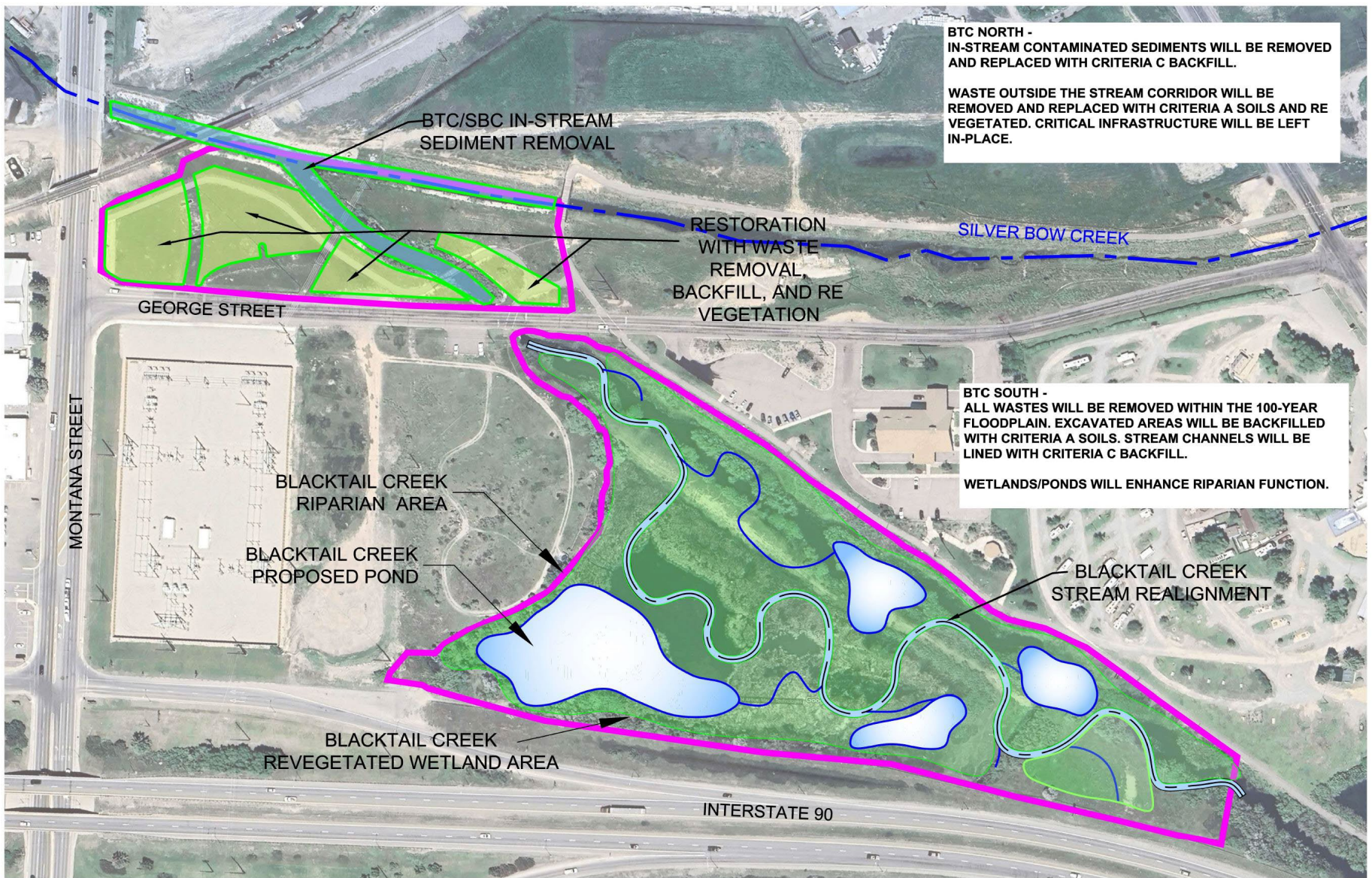
30% Remedial Design

- 30% Design to agencies in the coming weeks
- Proposed excavations (Volume of waste similar to CD quantities)
- Conceptual stream alignment
- Stream sediment removal and corridor excavations
- Proposed ponds/wetlands/off-stream features (increased riparian areas)
- Proposed staging area and material storage location
- Critical utilities and plan development for addressing
 - South of George Street the excavation is pretty straight forward (caveat is construction dewatering and stream rerouting logistics)
 - North of George Street is a bit more complicated due to critical infrastructure.
 - We are balancing efforts with funding requirements (i.e. best bang for our buck with regards to the expense of moving utilities vs. amount of removal achieved).



EXISTING SITE CONDITIONS

DRAFT
NOT FOR CONSTRUCTION



CONCEPTUAL BTC RECLAMATION

DRAFT
NOT FOR CONSTRUCTION

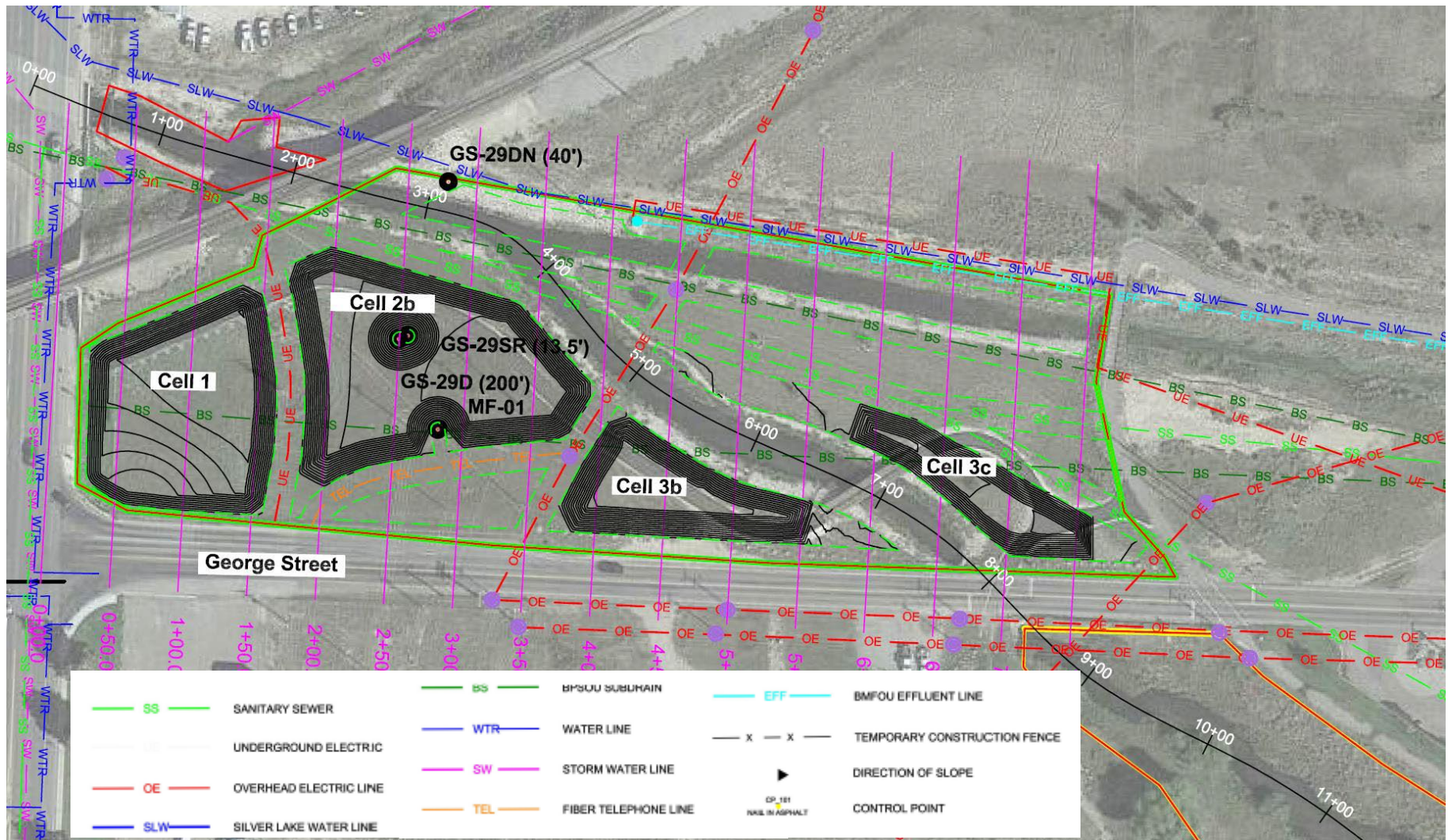
Removal Volume Estimates

Area	Material	Estimated Volume (yd ³)
North of George Street	Waste	9,500
	Material not meeting Criteria A*	11,600
	Municipal Waste	400
	Total Excavation	21,500
	Backfill Criteria A	19,500
	Backfill Criteria C	2,000
South of George Street	Waste	97,000
	Material not meeting Criteria A*	14,600
	Municipal Waste	2,000
	Total Excavation	113,600
	Backfill Criteria A	78,000
	Backfill Criteria C	2,000
Totals	Waste	106,500
	Material not meeting Criteria A*	26,200
	Municipal Waste	2,400
	Total Excavation	135,100
	Backfill Criteria A	97,500
	Backfill Criteria C	4,000

* Material not meeting Criteria A does not exceed the waste criteria and does not meet Backfill Criteria.

Blacktail Creek North Critical Infrastructure

- Paved streets and associated stormwater culverts
- Railroad bridge and abutments
- Sanitary sewer lines
- BPSOU subdrain lines
- Electrical lines (overhead and underground)
- Silver Lake waterline
- BMFOU discharge structure and effluent line
- Fiber optic lines
- Active monitoring wells



Next Steps for Design

- Submit 30% RD to NRDP
 - Meeting with agencies/HGL for restoration discussions
 - MOU between agencies
 - Budget updates to NRDP
- Submit 30% RD to EPA
- Define Critical Infrastructure and determine removal areas associated with BTC North
- BTC-West/UR-41 (potential collaboration) for staging
- This summer:
 - Minor field activities for wetlands delineation, stream geomorphology, in-stream sediments sampling (north of George Street) and borrow source. Work with MDT on dewatering near the interstate for BTC South. These findings will be included in the 60% design. Public outreach RE project updates.
- **Key Factors:** Coordinate the timeline with AR for tailings haul (repository), groundwater dewatering to BTL, and coordination for BTC hydraulic control installation.

Current Budget (As of March 31st)

Beginning Balance (2021): \$20,933,972.60

Interest Earned: \$2,754,333.16

Total Expenditures: \$885,449.07

Contracted Services (2021-2025): \$655,352.03

Current Account Balance (as of March 31): \$22,802,856.69

Blacktail Creek Contracted Services					
Fiscal Year	2022	2023	2024	2025	Grand Total
421009 08 BROWN AND ASSOCIATES			8,017.74		8,017.74
421009 13 BROWN AND ASSOCIATES				7,242.30	7,242.30
421042 04 HYDROGEOLOGIC, INC.		151,400.08	289,120.17	19,917.53	460,437.78
421042 04 SPECTRUM ENGINEERING	54,747.68	37,038.70			91,786.38
421042 07 HYDROGEOLOGIC, INC.				84,362.63	84,362.63
WMRFY23-439/HUNTER BROTHER'S		3,505.20			3,505.20
Total Expenditures	54,747.68	191,943.98	297,137.91	111,522.46	655,352.03

Transfer of Funds Upon completion of the BTC Riparian Actions, as provided in Sections 4.6 or 4.7 of Appendix H of the Consent Decree, DEQ will transfer all remaining funds to NRDP within 90 days to repay the restoration funds, as provided in the Trustee's Modifications to Plan Amendments Based on Public Comment and Approval of Plan Amendments as Modified (September 19, 2019). NRDP will set aside funding consistent with the BSB MOU, including any amendments thereto.

Schedule

Preliminary (30% Draft) Design Report	180 days	Mon 10/14/24	Fri 6/20/25	
Prepare 30% Design Report	100 days	Mon 10/14/24	Fri 2/28/25	34,58
DEQ Review	40 days	Mon 3/3/25	Fri 4/25/25	60
Address DEQ 30% Round 1 Comments	15 days	Mon 4/28/25	Fri 5/16/25	61
NRDP Review	15 days	Mon 5/19/25	Fri 6/6/25	62
Prepare EPA Draft	20 days	Mon 6/9/25	Fri 7/4/25	63
Preliminary (30% Draft) Design Report for Agency and Stakeholder Review	0 days	Fri 7/4/25	Fri 7/4/25	64
EPA Review	30 days	Mon 7/7/25	Fri 8/15/25	64
Intermediate (60% Draft) Design Report	155 days	Mon 8/18/25	Fri 3/20/26	
Prepare 60% Design Report and 30% RTCs	40 days	Mon 8/18/25	Fri 10/10/25	66
DEQ Review	40 days	Mon 10/13/25	Fri 12/5/25	68
Address DEQ 60% Round 1 Comments	15 days	Mon 12/8/25	Fri 12/26/25	69
NRDP Review	15 days	Mon 12/29/25	Fri 1/16/26	70
Prepare EPA Draft	15 days	Mon 1/19/26	Fri 2/6/26	71
Intermediate (60% Draft) Design Report for Agency and Stakeholder Review	0 days	Fri 2/6/26	Fri 2/6/26	72
Agency Review	30 days	Mon 2/9/26	Fri 3/20/26	72
Pre-Final (95% Draft) Design Report	135 days	Mon 3/23/26	Fri 9/25/26	
Prepare 95% Design Report and 60% RTCs	30 days	Mon 3/23/26	Fri 5/1/26	74
DEQ Review	30 days	Mon 5/4/26	Fri 6/12/26	76
Address DEQ 95% Round 1 Comments	15 days	Mon 6/15/26	Fri 7/3/26	77
NRDP Review	15 days	Mon 7/6/26	Fri 7/24/26	78
Prepare EPA Draft	15 days	Mon 7/27/26	Fri 8/14/26	79
Pre-Final (95% Draft) Design Report for Agency and Stakeholder Review	0 days	Fri 8/14/26	Fri 8/14/26	80
Agency Review	30 days	Mon 8/17/26	Fri 9/25/26	80

Final Design Report	95 days	Mon 9/28/26	Fri 2/5/27	
Prepare Final (100%) Design Report and 95% RTCs	30 days	Mon 9/28/26	Fri 11/6/26	82
DEQ Review	30 days	Mon 11/9/26	Fri 12/18/26	84
Address DEQ 95% Round 1 Comments	15 days	Mon 12/21/26	Fri 1/8/27	85
Prepare ITB	20 days	Mon 1/11/27	Fri 2/5/27	86
Bid Advertisement	0 days	Fri 2/5/27	Fri 2/5/27	87
Construction	435 days	Mon 2/8/27	Fri 10/6/28	
Bid Advertisement	20 days	Mon 2/8/27	Fri 3/5/27	88
Bid Award	30 days	Mon 3/8/27	Fri 4/16/27	90
Contractor Submittals/Work Plans/Mobilization	25 days	Mon 4/19/27	Fri 5/21/27	91
Construction Startup	0 days	Fri 5/21/27	Fri 5/21/27	92
Construction Phase 1	120 days	Mon 5/24/27	Fri 11/5/27	92
Construction Phase 2	120 days	Mon 4/24/28	Fri 10/6/28	94FS+120 days
Construction Complete	0 days	Fri 10/6/28	Fri 10/6/28	95

Questions?



Streamside Tailings OU Update

Butte Natural Resource Council
Date: April 3, 2025

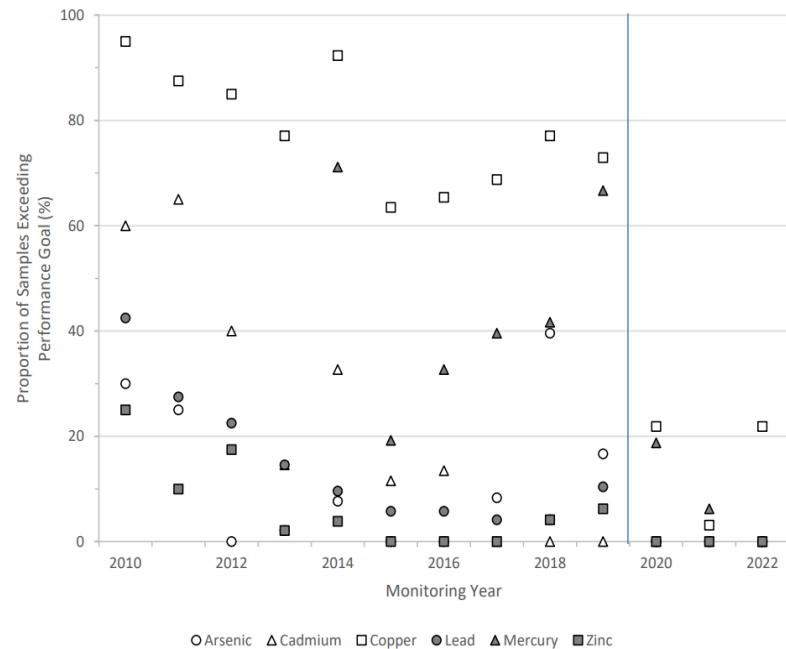
Work Remaining

The 2016 and 2021 Five-Year Reviews have determined that the OU is protective of human health and the environment on the short term, and has listed out the outstanding items to address:

- Operations and Maintenance Plan
- Institutional Controls
- Updated Ecological Risk Assessment
- Metals exceedances in surface water
- Parcel 26 cleanup and land transfer
- Vegetation failures in Subarea 4

Water Quality Exceedances

- Remediation significantly improved water quality, but did not eliminate exceedances
- Agencies identified the need to understand if SSTOU is the source of water quality exceedances
- Agencies identified the need to better understand surface water quality exceedances



Parcel 26

- Contains Streamside waste mixed with phosphate waste
- Characterization and removal will be conducted alongside the Subarea 4 work
- Land transfers will be completed following that removal



Subarea 4 Repair



Despite some partial repairs, Subarea 4 contains residual contamination.

Subarea 4 Repair



Sometimes revegetation establishes, then contamination creeps up from the subsoil.

Schedule

- Quarterly Monitoring and Sampling is ongoing
 - Data evaluation from sampling
- Subarea 4 and Parcel 26
 - Field Investigation: Summer 2025
 - Data Summary Report: Fall 2025
 - Design/Bid Package: 2026
 - Construction Begins: Fall 2026

Budget

08160 Streamside Tailings

Revenue

Initial ARCO Settlement with Interest	92,785,533.48
Interest & Other Earnings through December 2024	84,551,459.12
Calendar Year 2025 Interest Earnings	179,316.46
Total Revenue	177,516,309.06

Expenditures

Inception - December 2024	160,947,992.13
Calendar Year 2025 Expenditures	75,978.04
Total Expenditures	161,023,970.17

Expenditures include \$16.5 million transfer from Remedy (DEQ) to Restoration (NRDP) for Parrott Project

\$5 million transfer from Remedy (DEQ) to Restoration (NRDP) still on hold

Cash Balance

March 20, 2025

16,492,338.89

Streamside Tailings Active Contracts

Contractor/Task Order	Contract #	TO#	Balance to Complete	Expiration Date
Bighorn Environmental Services, LLC	418011	13	\$53,905.14	12/31/2024
Brown & Associates	421009	9	\$36,640.08	1/22/2025
Brown & Associates	421009	11	\$44,685.30	1/22/2026
Pioneer Technical Services, Inc.	421025	28	\$129,655.10	12/31/2024
Pioneer Technical Services, Inc.	421025	40	\$231,951.29	5/31/2025
Pioneer Technical Services, Inc.	421025	47	\$45,463.70	10/31/2024
RESPEC, Inc	421026	12	\$48,539.27	7/31/2025
RESPEC, Inc	421026	16	\$185,684.45	7/31/2026
Total			\$776,524.33	

Questions?

