



Mesa I Complex - East Side Recommended Removal Alternative

Public Meeting

May 30, 2026

Mesa I Complex- East Side Recommended Removal Alternative Presentation Topics:

- Mesa I Complex- East Side Mine Locations
- Mesa I Complex- East Side Investigation Findings
- Mesa I Complex- East Side Recommended Removal Alternative
- Mesa I Complex- East Side Construction and Restoration Activities

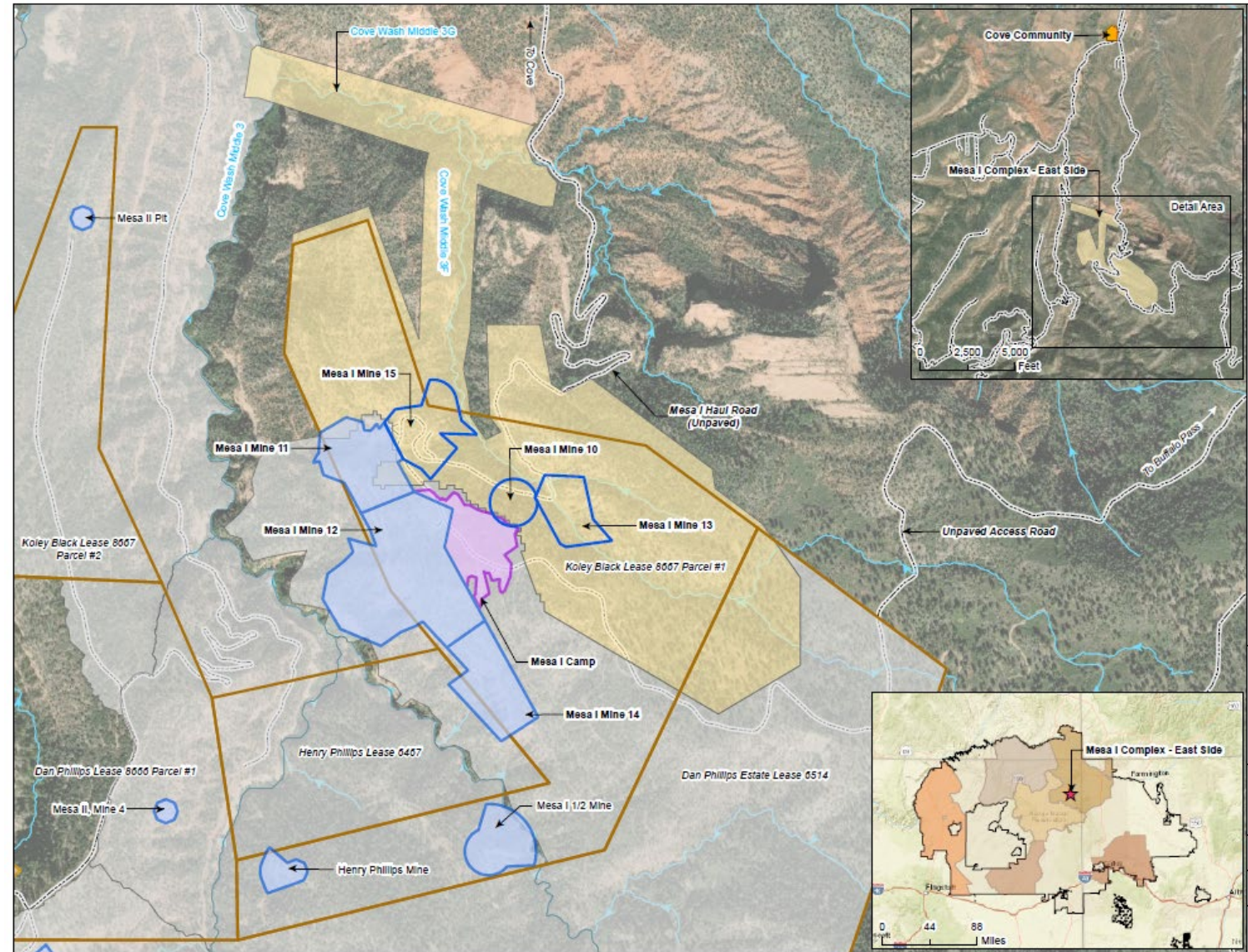
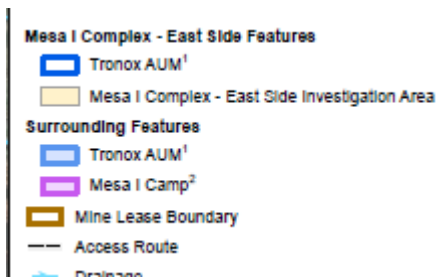


EPA

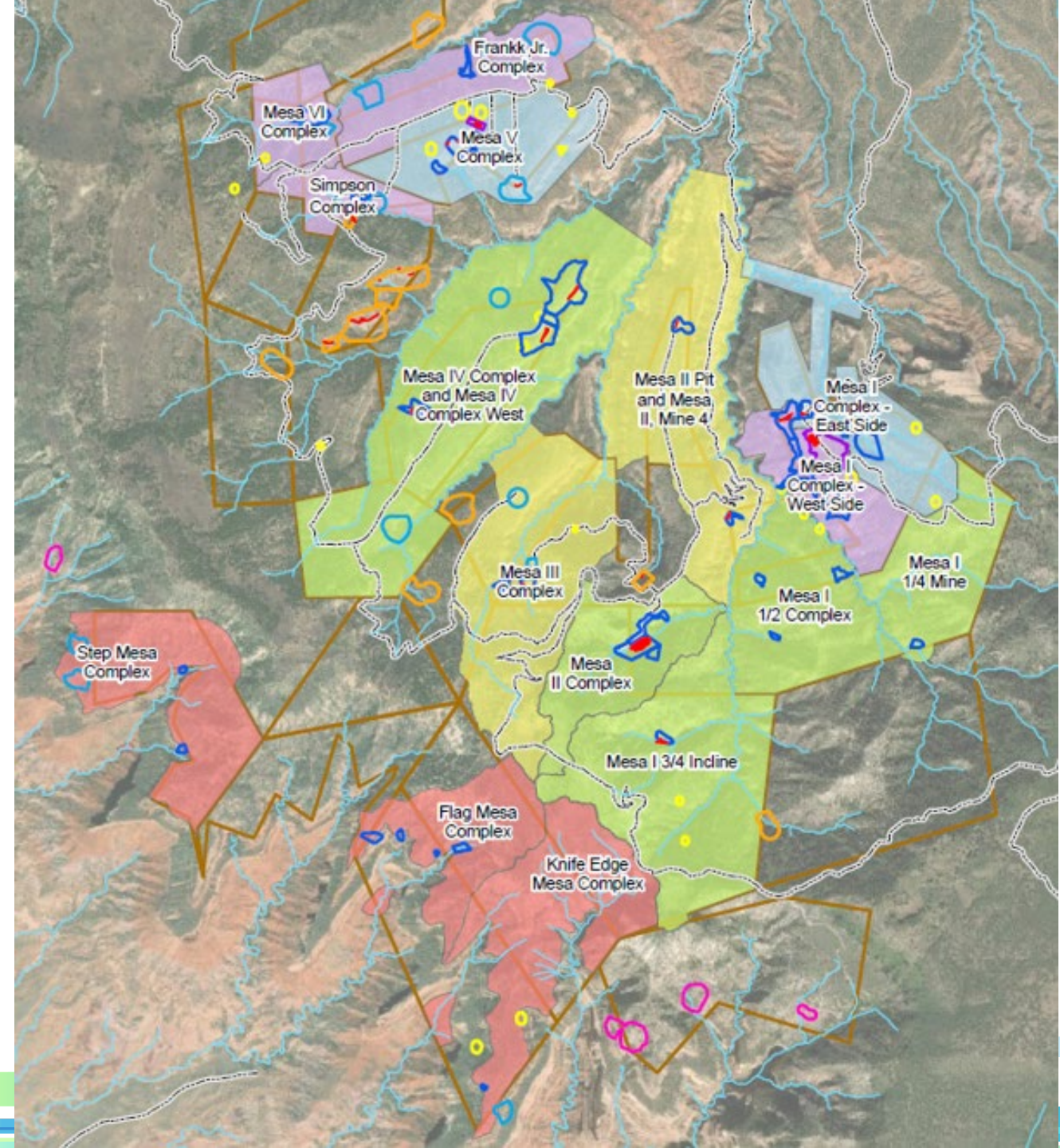
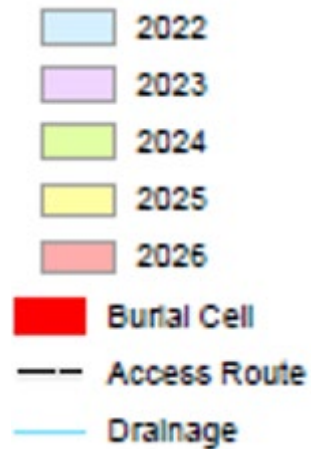
**Mesa I
Potential Local Repository**

Mesa I Complex- East Side

- Includes: Mesa I Mine 10, Mesa I Mine 13, Mesa I Mine 15, and the Cove Wash Middle 3F and Middle 3G drainages



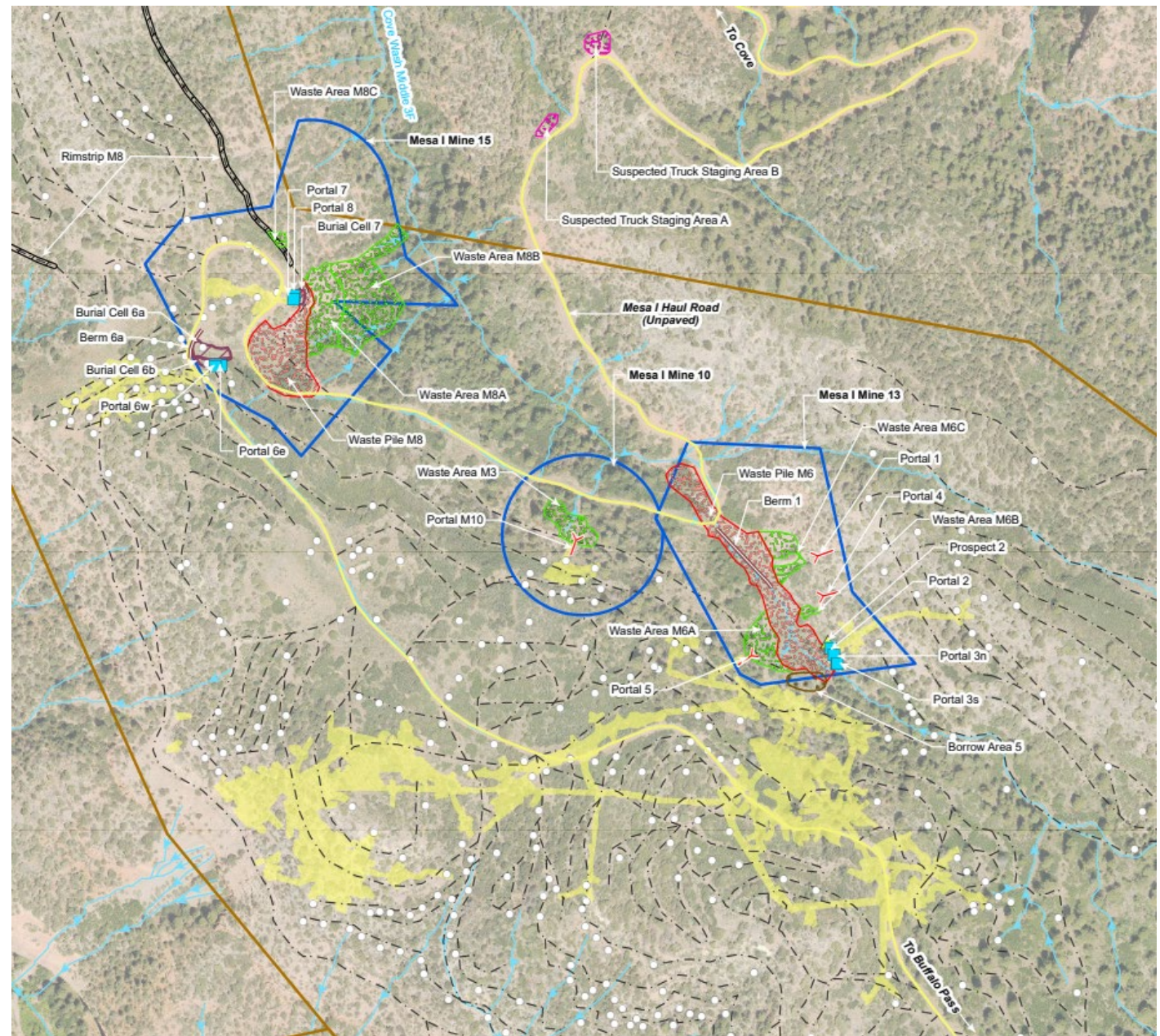
Investigation Areas- Tronox Coverage



Mesa I Complex- East Side Features

Site Features and Quantities

- Closed Portal (7)
- ▲ Closed Prospect (1)
- ↗ Open Portal (4)
- Exploratory Borehole
- Drainage
- Berm (2)
- Exploratory Road / Drill Trail
- Haul Road
- Borrow Area (1)
- Burial Cell (3)
- Rimstrip (1)
- Surficial Mine Waste (7)
- Suspected Truck Staging Area (2)
- Waste Pile (Volumetric Mine Waste) (2)
- Underground Workings (8)
- Tronox AUM¹
- Mine Lease Boundary



Mesa I Complex – East Characterization



Mine 10

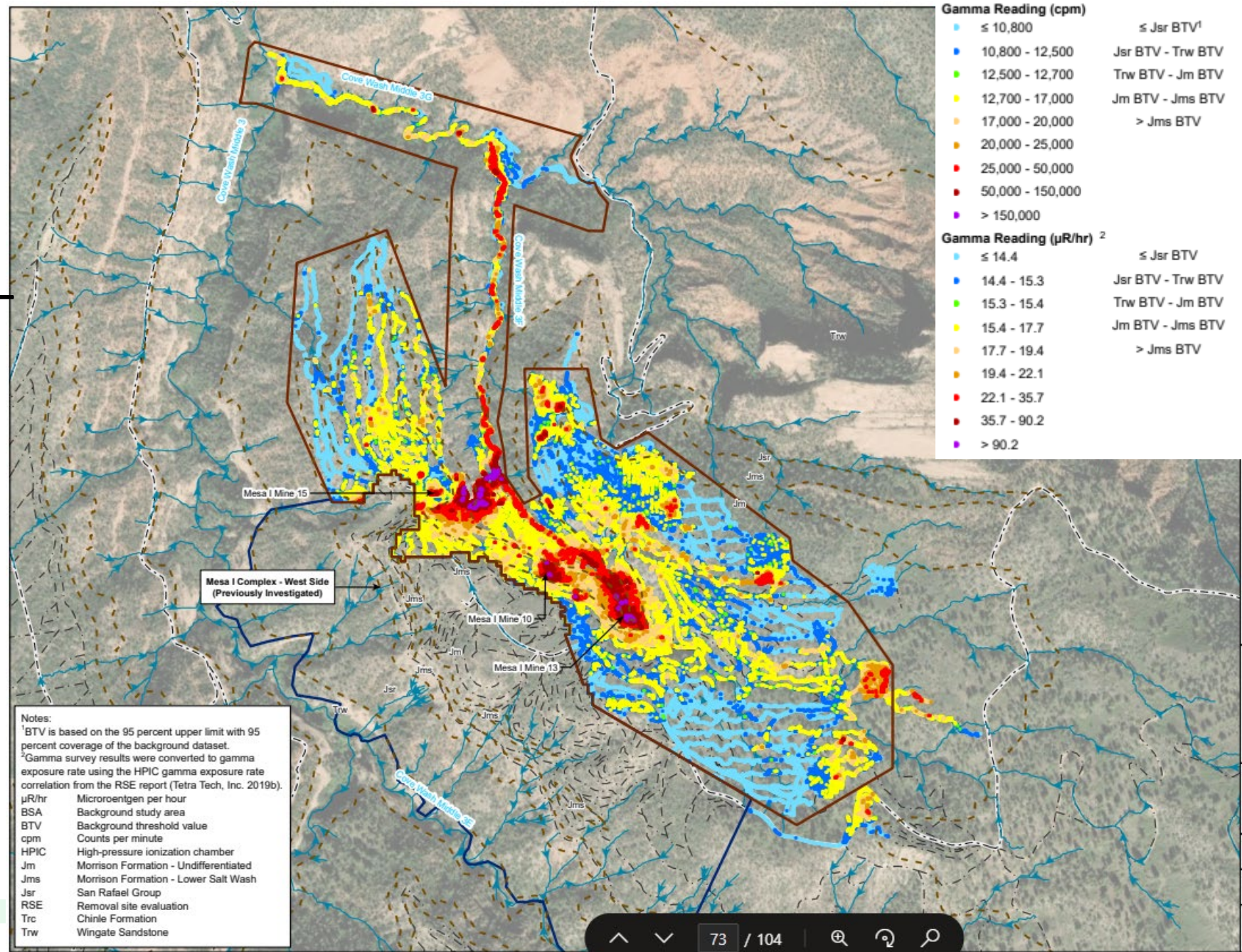


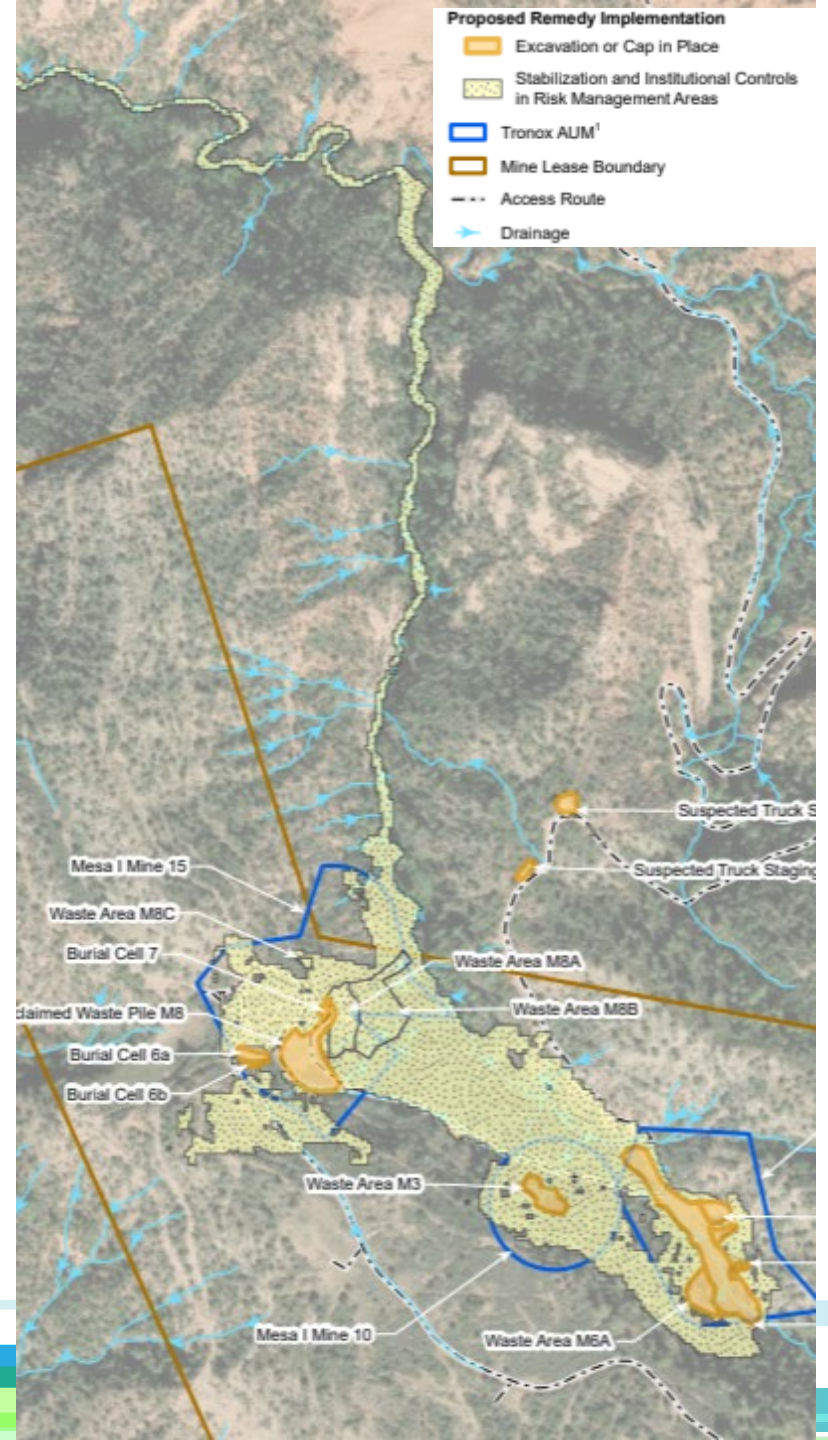
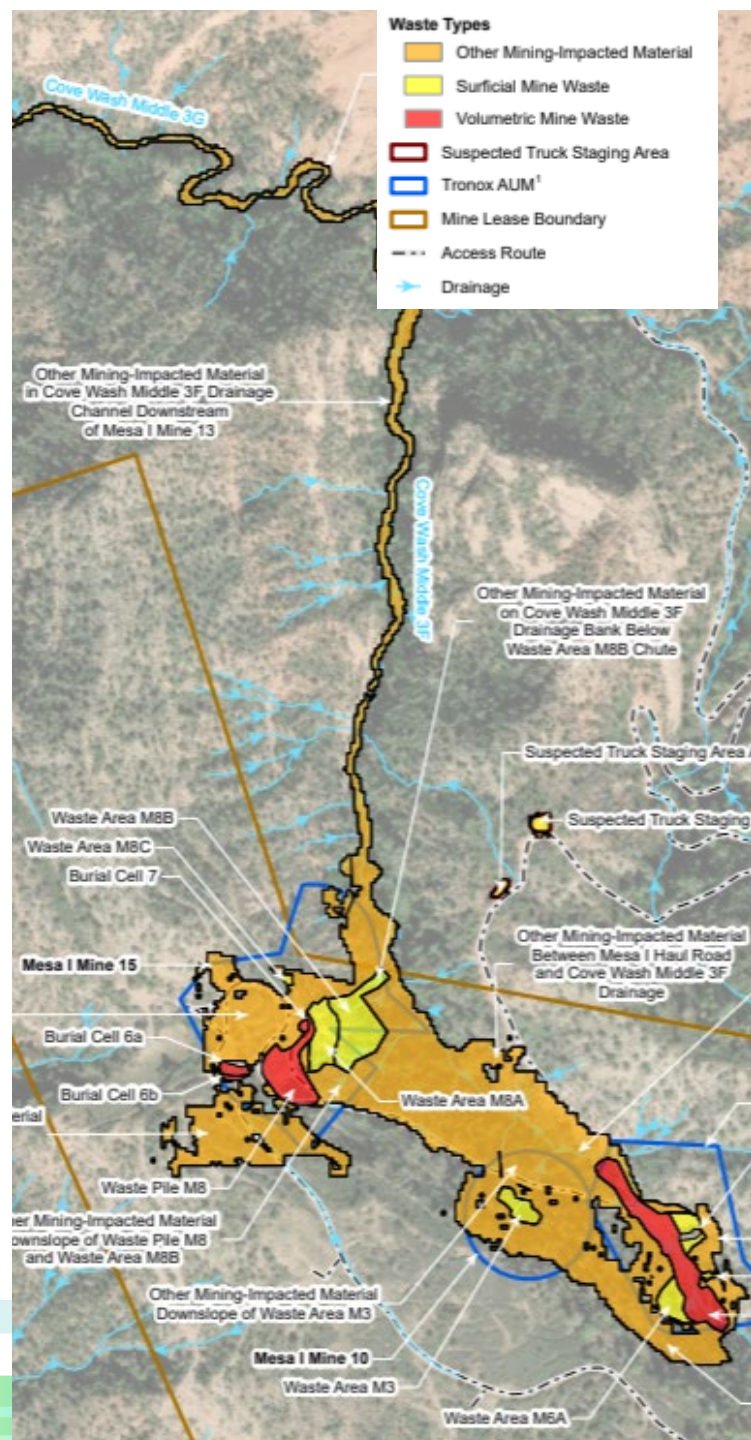
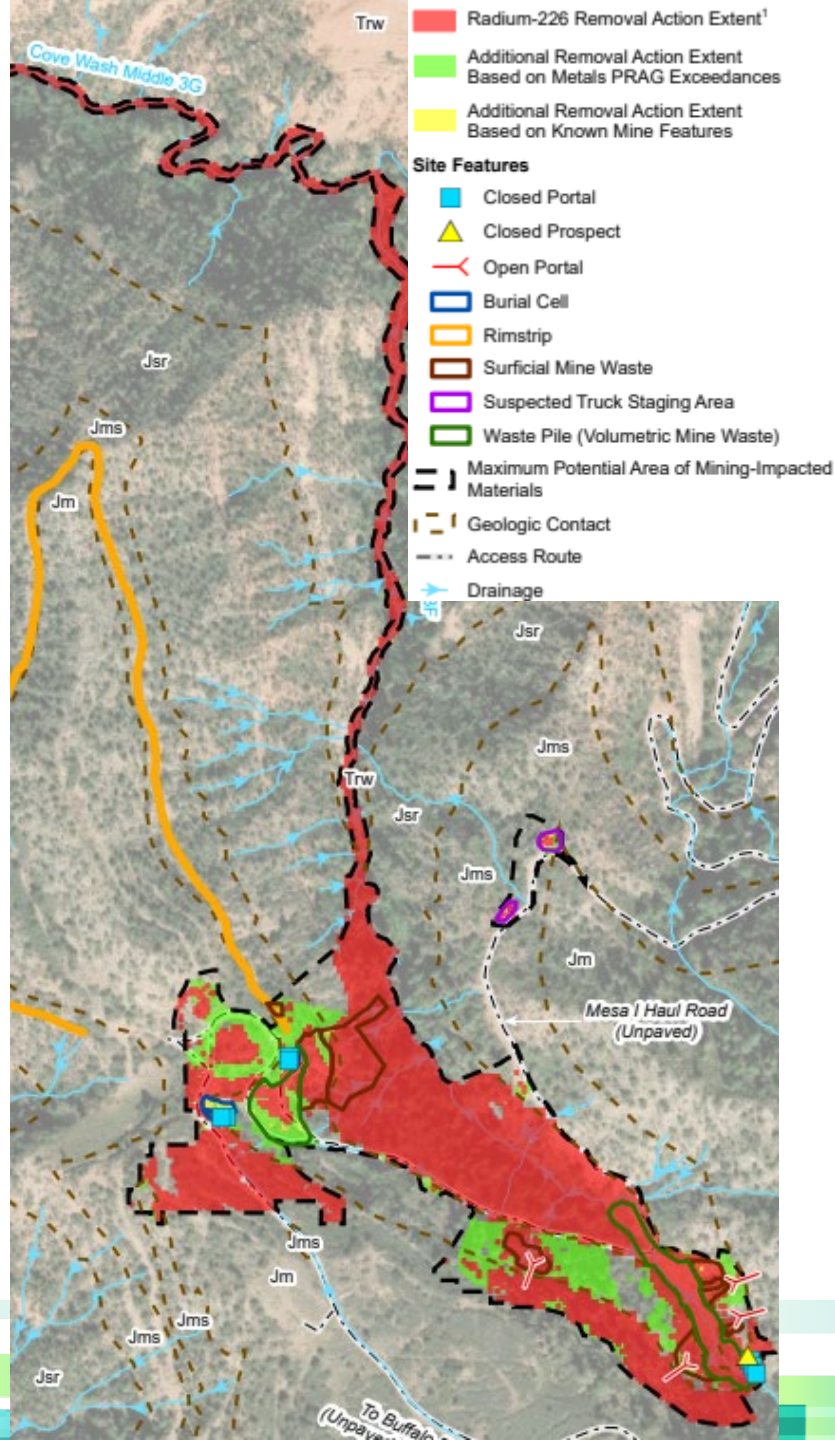
Mine 13



Mine 15

Mesa I Complex- East Side Gamma and Exposure Rate Results





Alternatives identified for further evaluation from the LMMD Regional EE/CA:

- Alternative 2A: Stabilizing and Capping in Place
- Alternative 2B: Excavation, Consolidation, and Capping on Mine Site
- Alternative 3: Excavation and Disposal at Local Repository (Mesa I, Mesa II, Mesa V, Cove Mesa)
- Alternative 4: Excavation, Hauling, and Disposal at Regional Repository within LMMD Site (Mesa IV)



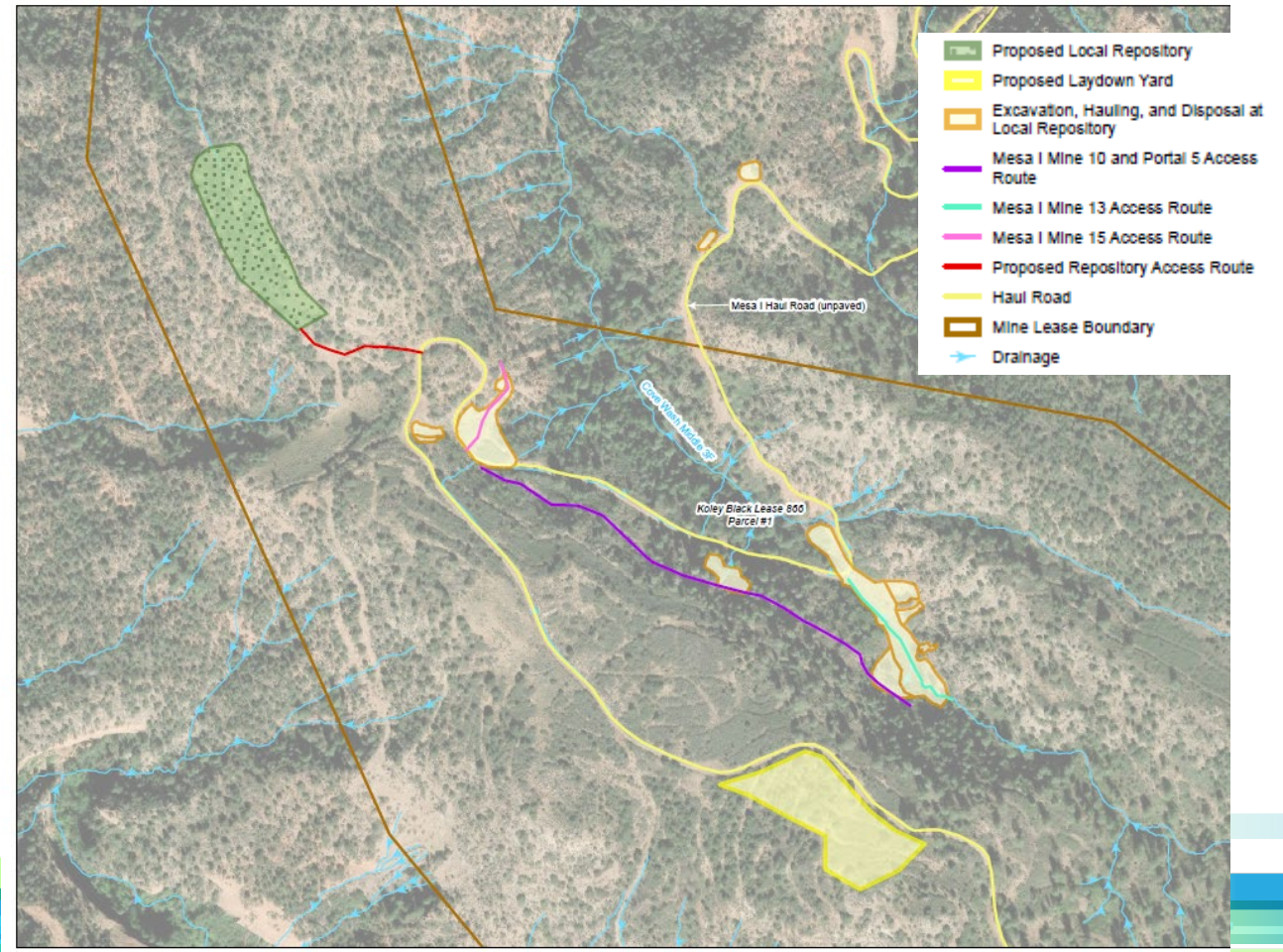
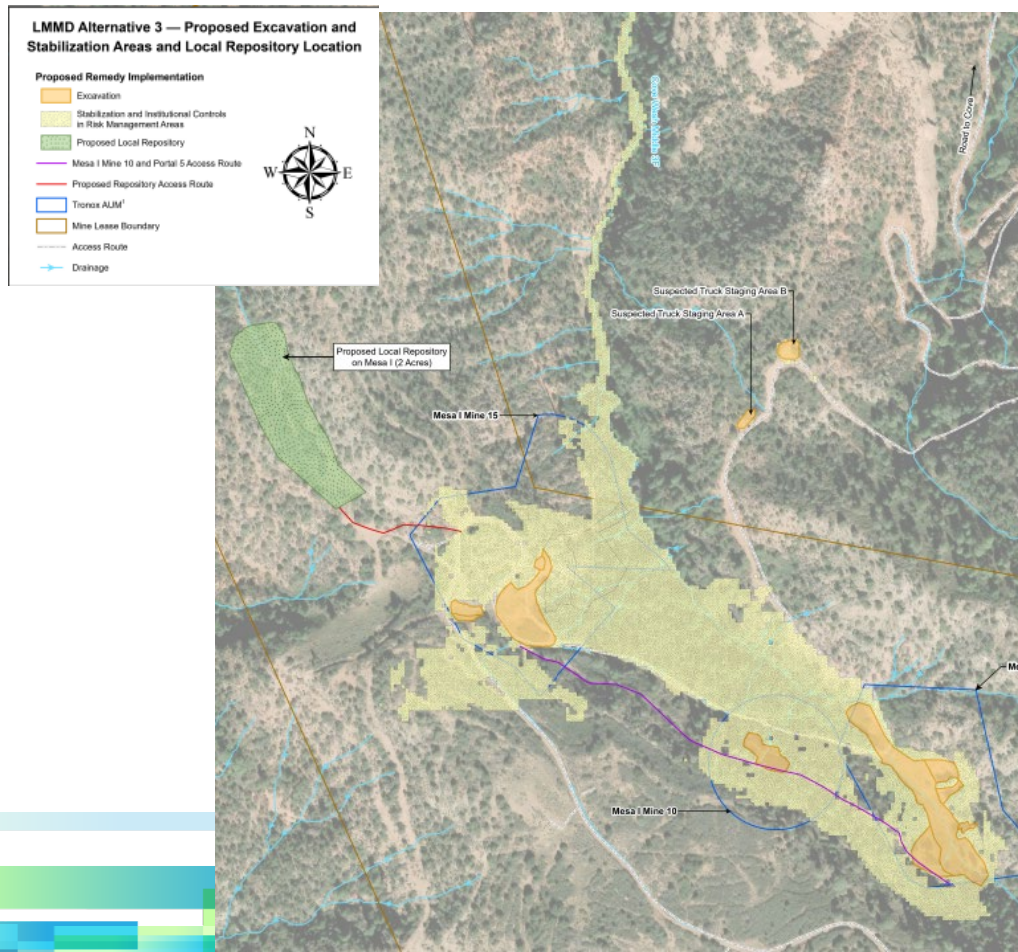
Mesa I East - Recommended Removal Alternative(s)



Mesa I Complex- East Side

Recommended Removal Alternative

- Recommended Removal Alternative
 - Alternative 3: Excavation and Disposal at Local Mesa I Repository .





Mesa I Potential Local Repository

Decision for Recommended Removal Alternative 3: Excavation and Disposal at Local Mesa I Repository

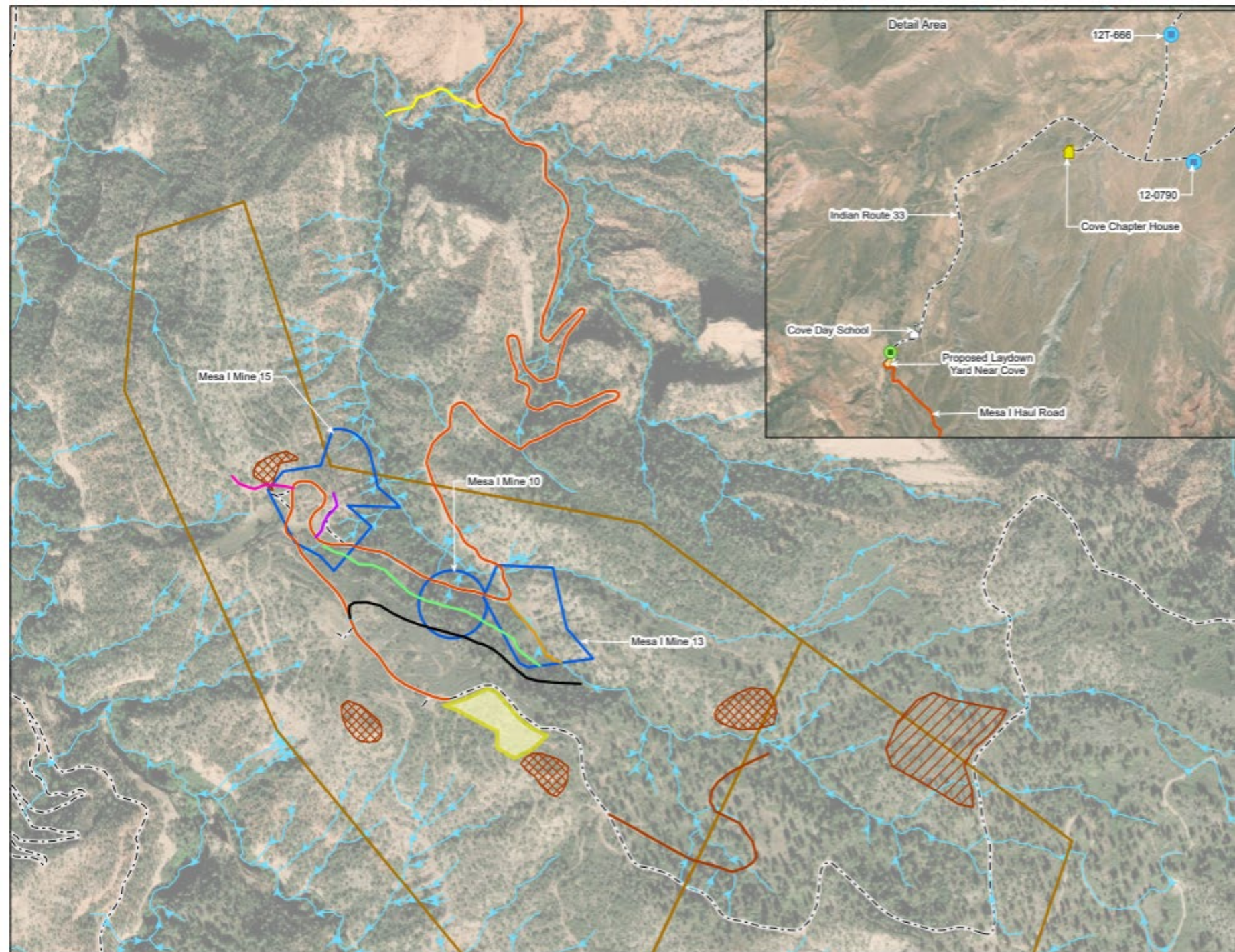
- Alternative 3 offers best overall balance of effectiveness and implementability with similar cost to alternative 2 and lower than alternative 4.
- It is a single, repository
- Close to mines
- Provides a more stable location than multiple on-mine areas
- More efficient long-term inspection and maintenance
- Alternative 2A (capping in place) is not recommended for the because:
 - Steep side slopes with rough terrain
 - Burial Cells are close to the new local repository
- Alternative 2B (excavation, consolidation, and capping on mine site) is not recommended because:
 - local repository is close to the mines,
 - lacks sufficient capacity
 - maintaining multiple caps more costly
- Alternative 4 (regional repository within LMMD Site) is not recommended because:
 - It has the greatest impacts; the highest cost; and the longest construction duration

Mesa I Complex- East Side

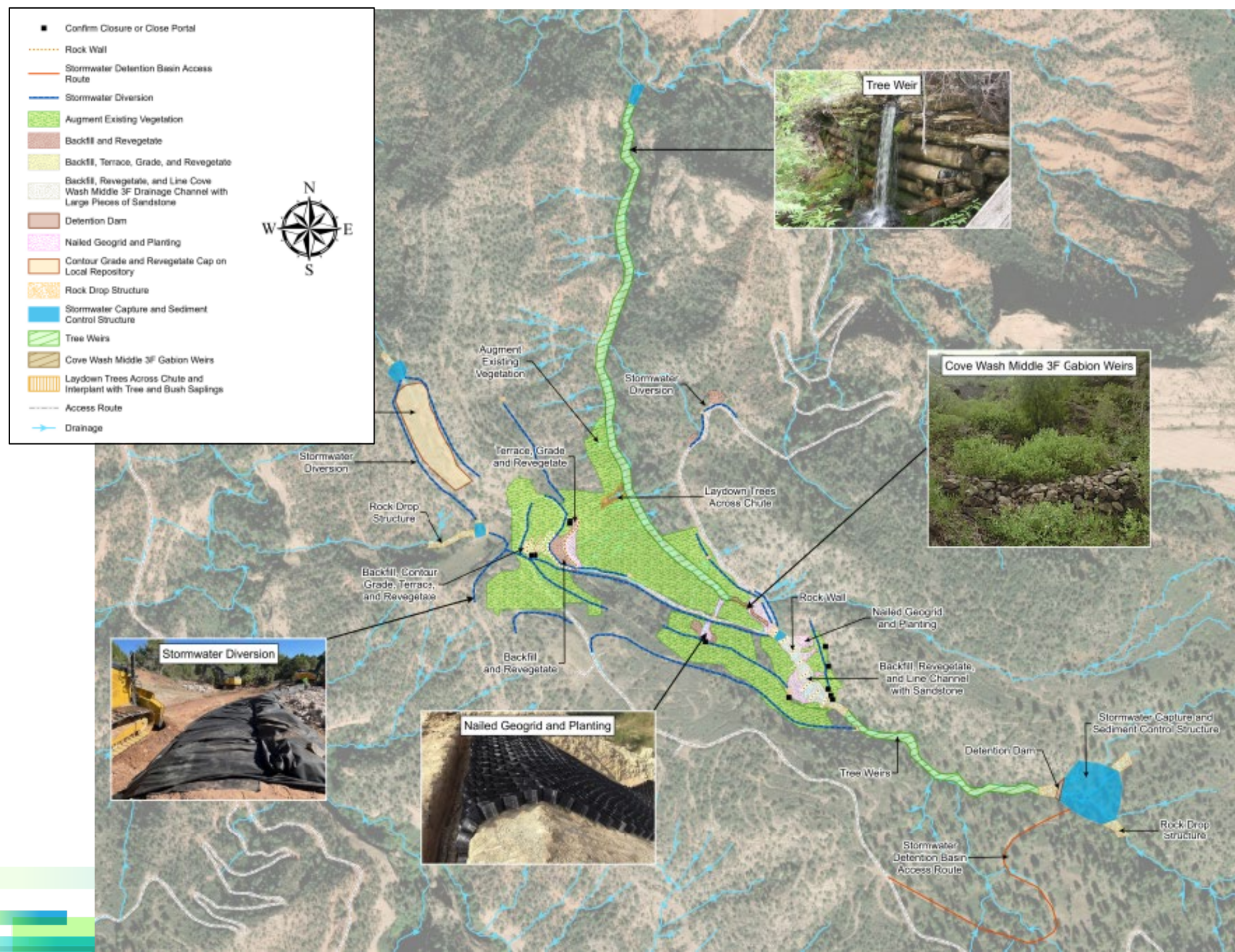
- A local 2-acre repository would be constructed northwest of Mesa I Mine 15
- Proposed local repository could receive up to 50,000 bank cubic yards
- ~14,000 CY of mining-impacted material would be excavated, hauled, and disposed of in the proposed local repository at Mesa I.
- Stabilization where excavation would increase erosion, increase load to the drainages, and require decades for the land and vegetation to recover.
 - 1.1 acre below Mesa I Mine 15,
 - 14.5 acres stabilized at Mesa I Mine 10 and Mesa I Mine 13
 - 4.20 acres of drainages downstream of Cove Wash Middle 3F and Middle 3G

Mesa Complex- East Side Proposed Construction Areas

-  Proposed Laydown Yard Near Cove
-  Proposed Rock Borrow Area
-  Proposed Soil Borrow Area
-  Proposed Laydown Yard (on Mesa I)
-  NTUA Well Location
-  Potential Additional Construction Water Well
-  Mesa I to Cove Haul Road
-  Mesa I Mine 10 and Portal 5 Access Route
-  Mesa I Mine 13 Access Route
-  Mesa I Mine 15 Access Route
-  Cove Wash Middle 3G and Middle 3F Access Route
-  Local Repository Access Route
-  Stormwater Diversion Access
-  Upgradient Stormwater Detention Basin Access Route
-  Tronox AUM¹
-  Mine Lease Boundary
-  Access Route
-  Drainage

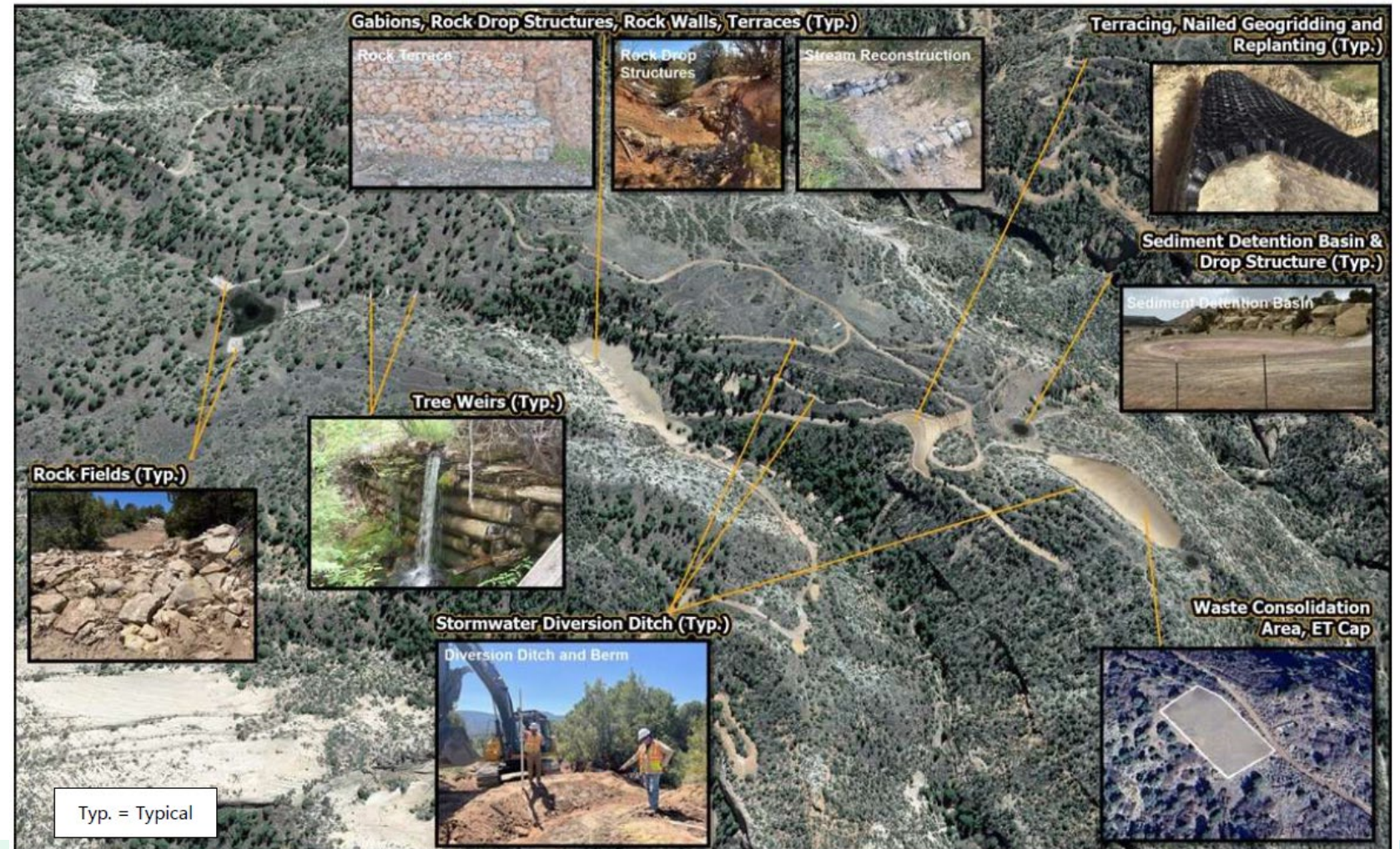


Mesa I Complex- East Side Proposed Stabilization and Restoration Activities



Recommended LMMD Cleanup Alternatives Evaluated for the Mesa I Complex – East Side

- Alternative 3 is expected to take 105 working days to complete over a field season at a total cost of \$13.8 million, including both construction and long-term inspection and maintenance costs.





Ways to Provide Input:

- During the meeting (verbal or written)
- Email: brown.krista@epa.gov
- Phone:
Toll-Free Voicemail: (833) 484-4384
- USPS Mail:
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2255 N. Gemini Drive
Flagstaff, Arizona 86001



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NNEPA Program Supervisor

Vivian Craig: viviancraig@navajo-nsn.gov



Information Repository Locations:

Please check with locations for any updates on dates and times available

Cove Chapter House

Indian Route 33

Red Valley, Arizona 86544

Hours: Tuesday and Thursday

8:00 a.m. to 12:00 p.m.

Phone: (928) 653-5806

Kinyaa'áanii Charlie Benally Library

Diné College Main Campus

One Circle Drive and Route 12

Tsaile, Arizona 86556

Hours: Monday–Thursday

8:00 a.m. to 9:00 p.m.

Friday 8:00 a.m. to 4:00 p.m.

Sunday 5:00 p.m. to 9:00 p.m.

Phone: (928) 724-6757

Senator John Pinto Library

Diné College Shiprock South
Campus

1228 Yucca Street

Shiprock, New Mexico 87420

Hours: Monday–Thursday

8:00 a.m. to 9:00 p.m.

Phone: (505) 368-3646

Additional information can be found at: <https://www.epa.gov/navajo-nation-uranium-cleanup/administrative-records#repositories>

For digital copies online: <https://www.epa.gov/navajo-nation-uranium-cleanup/lukachukai>

