



U.S. SOIL

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Jocelyn Carter,

Included with this letter, is an updated Technical Revision Document. As requested, I have made the following changes

1. As per our emails, getting exactly 37 acres has been difficult due to variations in old maps and changes over the years - such as going from square blocks to lines that followed the curve of the topography, and now going back to more straight lines. I did find some errors in previous maps that I sought to correct with this revision. When in question, I errored on the side of making sure boundary lines were on privately owned property that the claim sits on. I believe this accurately reflects the original 37 acre estimate, and also reflects where the roads are going with a buffer around the work.
2. Updated the maps to include required information as per rule 6.2.1. My mapping system gives me measurements in meters, so it is converted and rounded to the nearest imperial measurement of inches to feet. If needed, I can provide the KML file.
3. I noticed your provided estimate includes the combined acre of the phases, instead of just Phase 1, which we are currently in for the next 15-20 years. The acreage for Phase 1 is only 4.72 acres, not the 6.93 the estimate is based on.

Thank you for your time and consideration,

Albert Lionelle

# Technical Revision: Maverick Placer 2025

Permit: Maverick Placer - M-1979-206

## Permitted Area

**Permitted area updated - see Attached files.** The permitted area has been updated to better reflect the current mining process and changes to land and ownership over the years. A more accurate map, taking into account the 1999 AR-1 change, shows:

- 8.57 acres dedicated to product storage and hauling
- 28.43 acres for the permitted mine area (with straightened boundary lines as recommended)
- **Total permitted acreage: 37.00 acres**

## Mining Phases

The map has been updated to reflect mining phases and planned exploration:

### Phase 1

- Currently active phase
- Consists of approximately 4.72 acres
- Expected to continue for another 15-20 years depending on mining speeds

### Phase 2

- Will consist of approximately 5 acres
- Requires more detailed exploration to finalize total area
- Will commence after Phase 1 completion

## Additional Information

- All other area within the 37 acre mine permit is currently used for roads, storage, and overburden
- Non-active mining areas are currently covered with natural grasses and soil
- There are no plans to mine below the current lowest level (the natural road level)

# Technical Revision: Maverick Placer 2025

## Reclamation Update

The existing reclamation plan, dating from the 1970s, has been updated to align with current phased mining practices and site-specific environmental conditions. This document outlines the modifications and supporting rationale.

## Scope Adjustment

- Reclamation plan focused on the the active mining phase (4.72 acres)

## Topsoil Requirements

- Previous requirement: 6 inches of topsoil application
- **Revised requirement:** 0-2 inches of topsoil application

## Revegetation Specifications

- **Revised seed mix** limited to the following native species:
  - Indian Rice Grass: 4 lb/acre
  - Blue Grama Grass: 4 lb/acre
  - Western Wheat Grass: 6 lb/acre
- Tree plantings and non-native species have been removed from the plan

## Topsoil Depth Rationale

The current mining area is situated within a Swissvale-Rentsac complex with 20 to 55 percent slopes (classification 110). According to the California Soil Resource Laboratory assessment, the natural topsoil depth in this formation ranges from 0 to 2 inches. The revised topsoil requirement therefore reflects the natural soil conditions of the area.

## Vegetation Selection Rationale

The updated seed mix was reviewed by the Resource Team Lead for Resource Team 9 (covering Chaffee, Custer, Fremont, Lake, Park & Teller Counties) of the US Department of Agriculture - Natural Resources Conservation Service. The assessment confirmed the appropriateness of the revised seed mix for the site conditions.

The deliberate focus on native grass species, rather than including tree plantings and non-native vegetation, better reflects the natural ecosystem composition of the area and is expected to result in more successful revegetation outcomes. Supporting correspondence from USDA-NRCS follows:

# Technical Revision: Maverick Placer 2025

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Mon, Mar 31, 2025 at 2:54 PM Langer, Greg - FPAC-NRCS, CO wrote:  
That seed mix should still do just fine for you.

Thank you.

**Greg Langer**

Resource Team Lead

Resource Team 9, Chaffee, Custer, Fremont, Lake, Park & Teller Counties

Canon City FO



U.S. DEPARTMENT OF AGRICULTURE

Natural Resources Conservation Service

248 Dozier Ave, Canon City CO 81212

**From:** Albert Lionelle

**To:** Langer, Greg - FPAC-NRCS, CO

**Subject:** Re: [External Email]Seed Mix?

Greg,

Indian Rice Grass @ 4 lb/ac, Blue Grama Grass @ 4 lb/ac, Western Wheat Grass @ 6 lb/ac

In practice, the natural vegetation fills in before we have had to seed, but we tend to list a seed mix for our bond in case we do a full reclamation.

Thank you

Albert

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# Appendix - Boundary Maps

## Total Area:

Primary Mine Area: 28.43 acres

Ore Store Area: 8.57 acres

Total: 37.00 acres

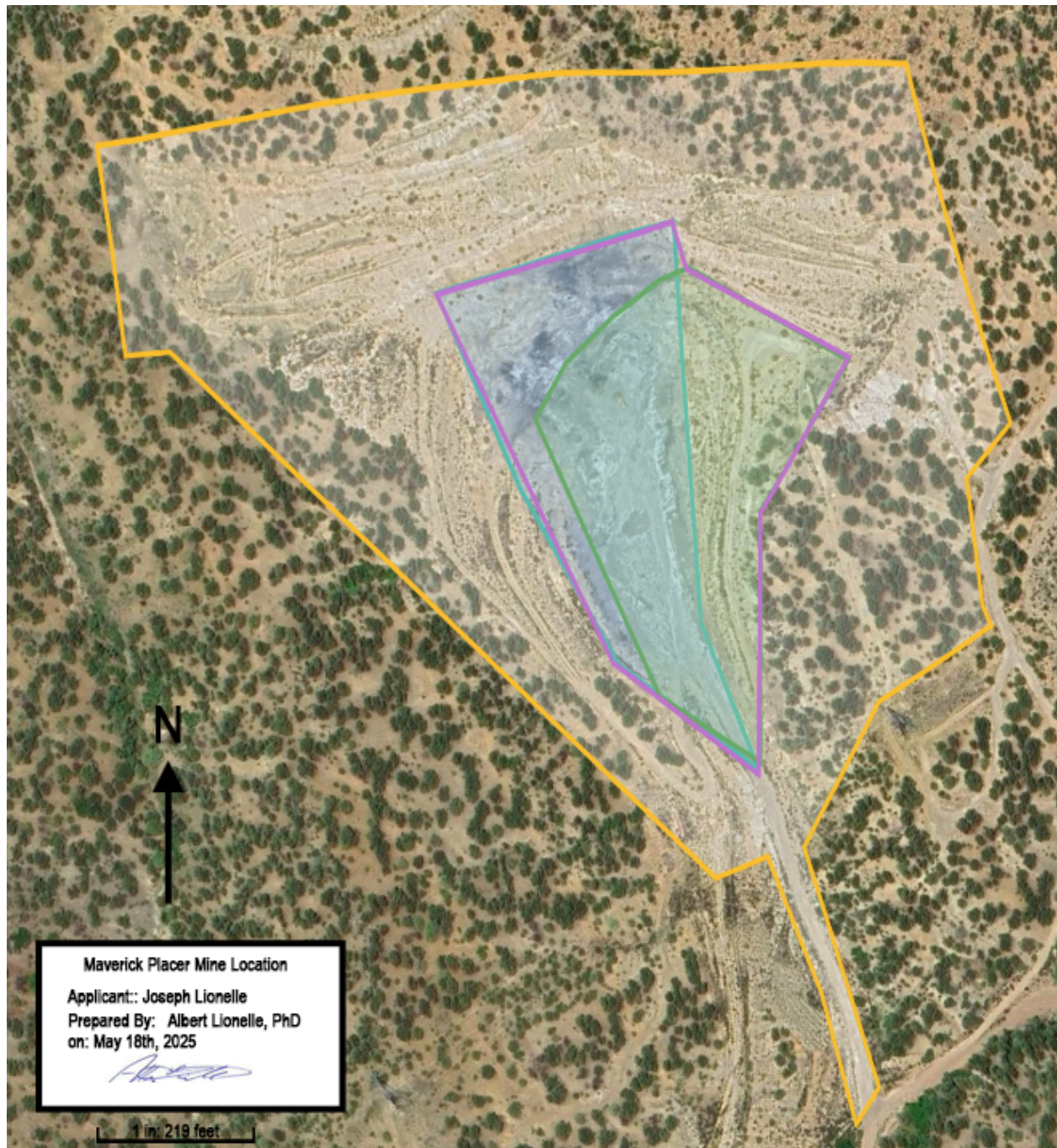
## Primary Mine Boundary Map

### Legend

- Total Mine Area - 28.43 acres
- Phase 1 Exploration (Current exposed area) - 4.72 acres
- Phase 2 Exploration (Future planned area) - 5.0 acres
- Estimated ore deposit size - 6.93 acres

Current plan is to reclaim exposed Phase 1 area as mining progresses into Phase 2. The current estimated time before moving from phase 1 to phase 2 is 15-20 years. There are not any plans currently to go deeper than the current mine floor. There was conflicting information between maps, one map showing it as a single block with another of lines closing hugging the curvature of the hills. I remarked the area to be more accurate boundaries with buffers, with straighter lines for easier marking and tracing. Note this land falls on private property lines.

# Appendix - Boundary Maps





# Appendix - Boundary Maps

## Rock Storage A-frame Area

— Total area including road access - 8.57 acres



The original area has changed considerably since 1980, which used to encompass the entire block of land. The 1999-AR-01 Release revision removed the facilities due to the facility

# Appendix - Boundary Maps

becoming a multiproduct processing facility, and other land was purchased by private entities. Our access road goes on the edge of their industrial park down into the removed 1999 revision. Clarification update from 1999 is removal of overlapping railroad boundaries due to railroad no longer being in use (since 1984..).