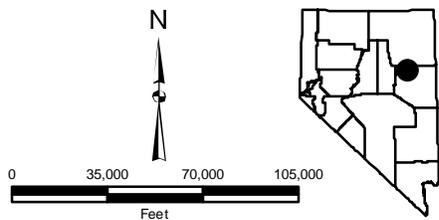
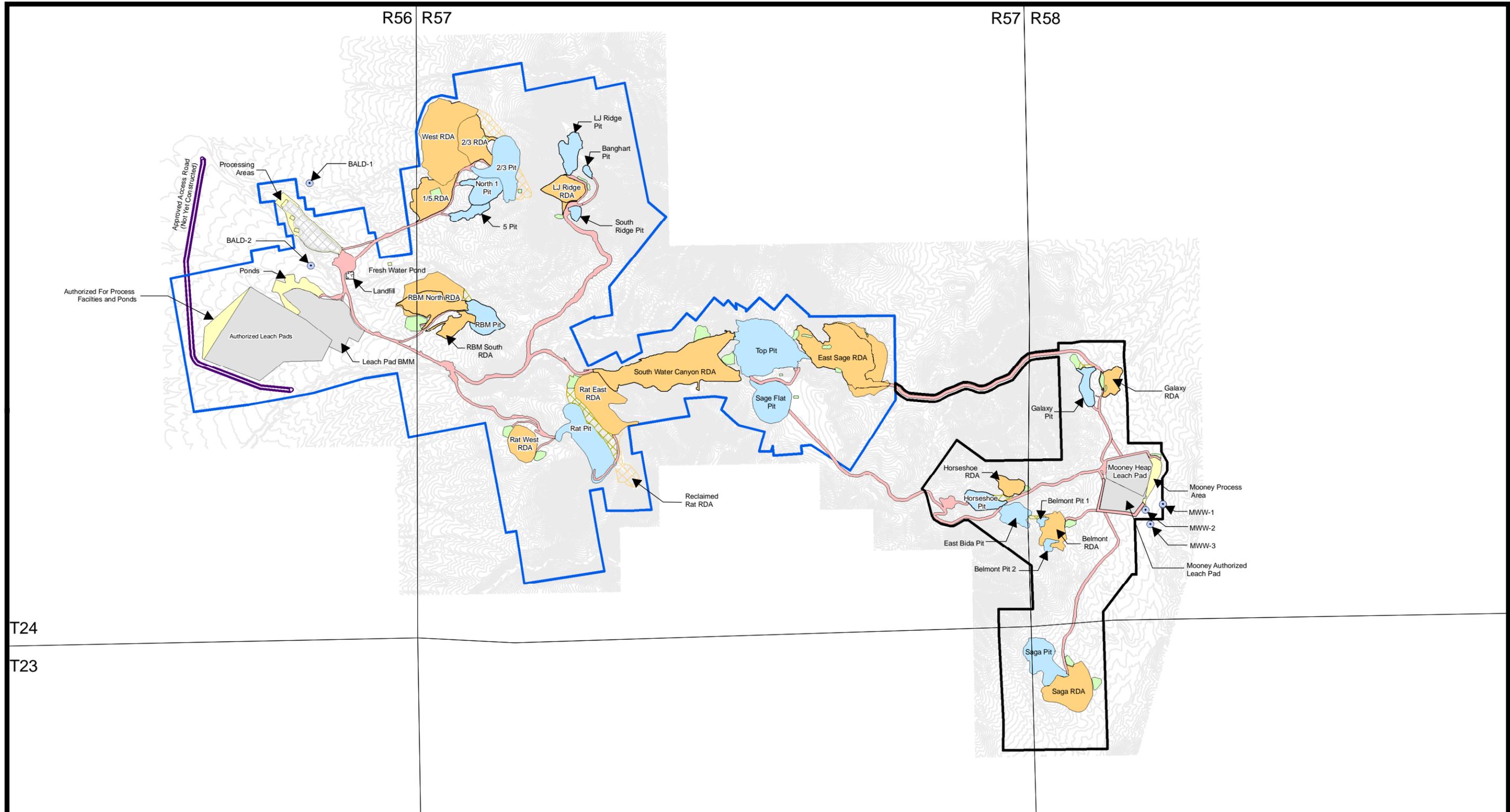


- Legend**
- North Operations
 - Project Boundary
 - Bald Mountain
 - Mine Access Routes



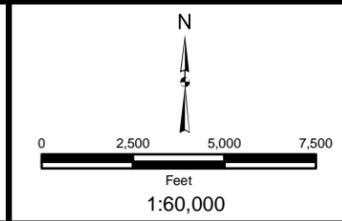
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 1-1
GENERAL LOCATION**



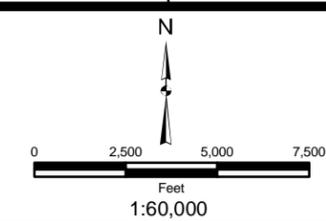
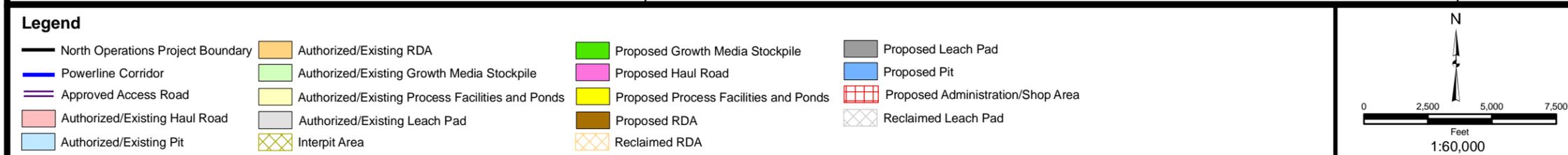
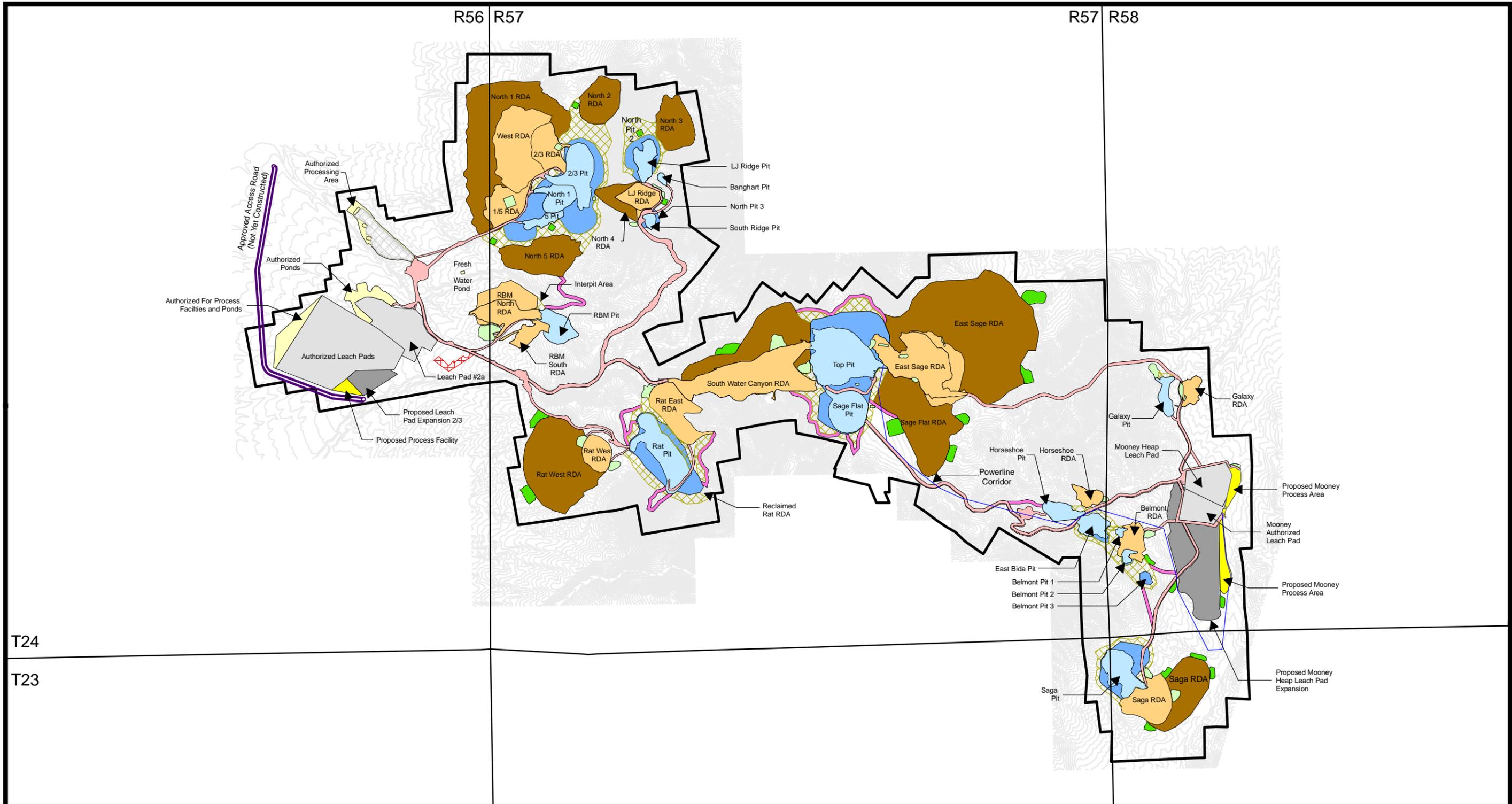
Legend

- Existing BMM POO Boundary
- Existing Mooney POO Boundary
- Authorized/Existing Monitoring Well
- Authorized/Existing Haul Road
- Authorized/Existing Leach Pad
- Authorized/Existing RDA
- Authorized/Existing Pit
- Authorized/Existing Growth Media Stockpile
- Approved Access Road
- Reclaimed RDA
- Process Facilities and Ponds
- Interpit Area
- Landfill
- Reclaimed Leach Pad



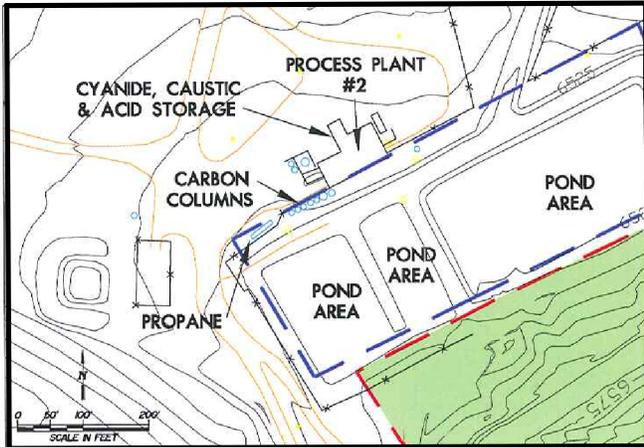
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 1-2
EXISTING AND PREVIOUSLY AUTHORIZED
BMM AND MOONEY BASIN
OPERATIONS AREA FACILITIES**

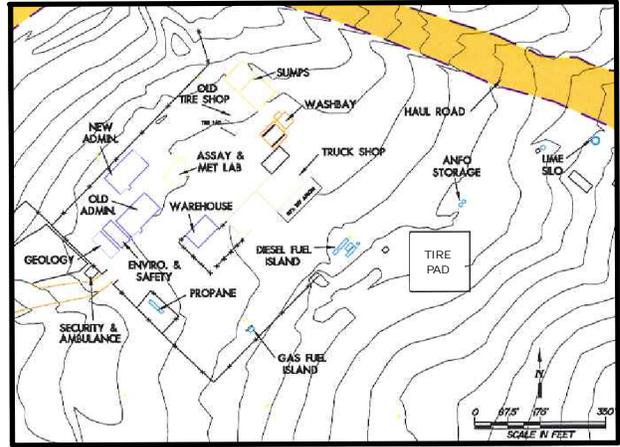


**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

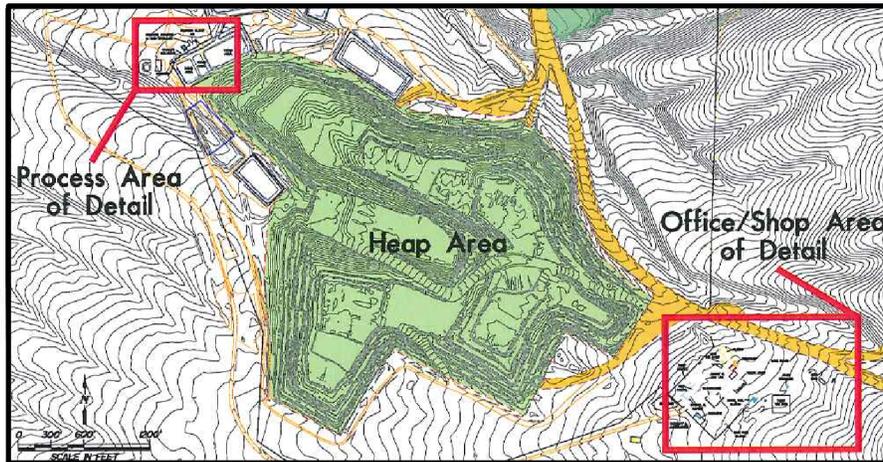
**FIGURE 1-3
PROPOSED NORTH OPERATIONS
AREA PROJECT FACILITIES**



Process Area Detail



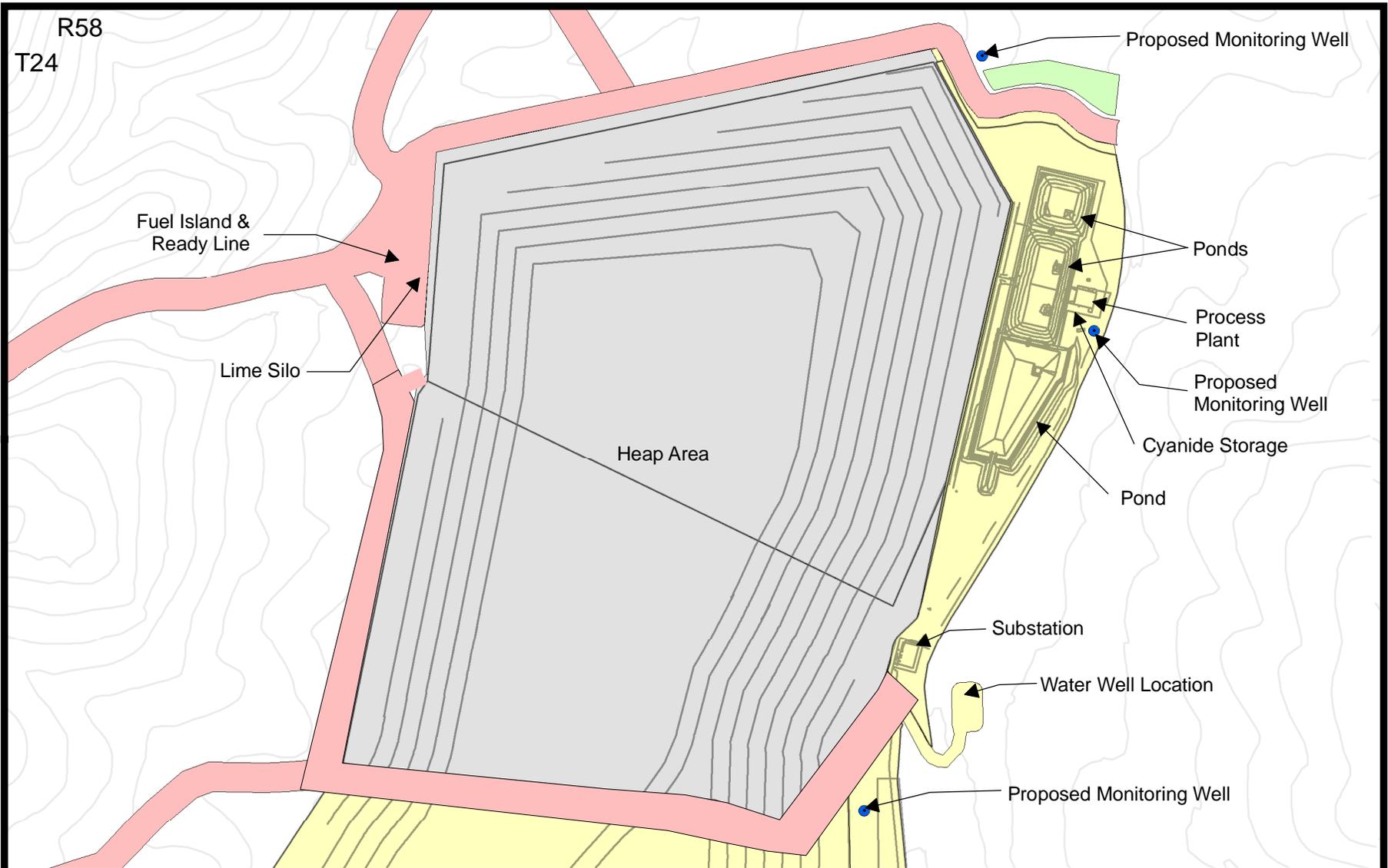
Office/Shop Area Detail



Bald Mountain Mine General Site Location Map

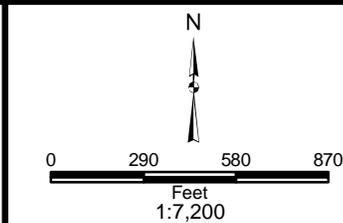
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-1
BMM PROCESS AND
ADMINISTRATION AREA DETAIL**



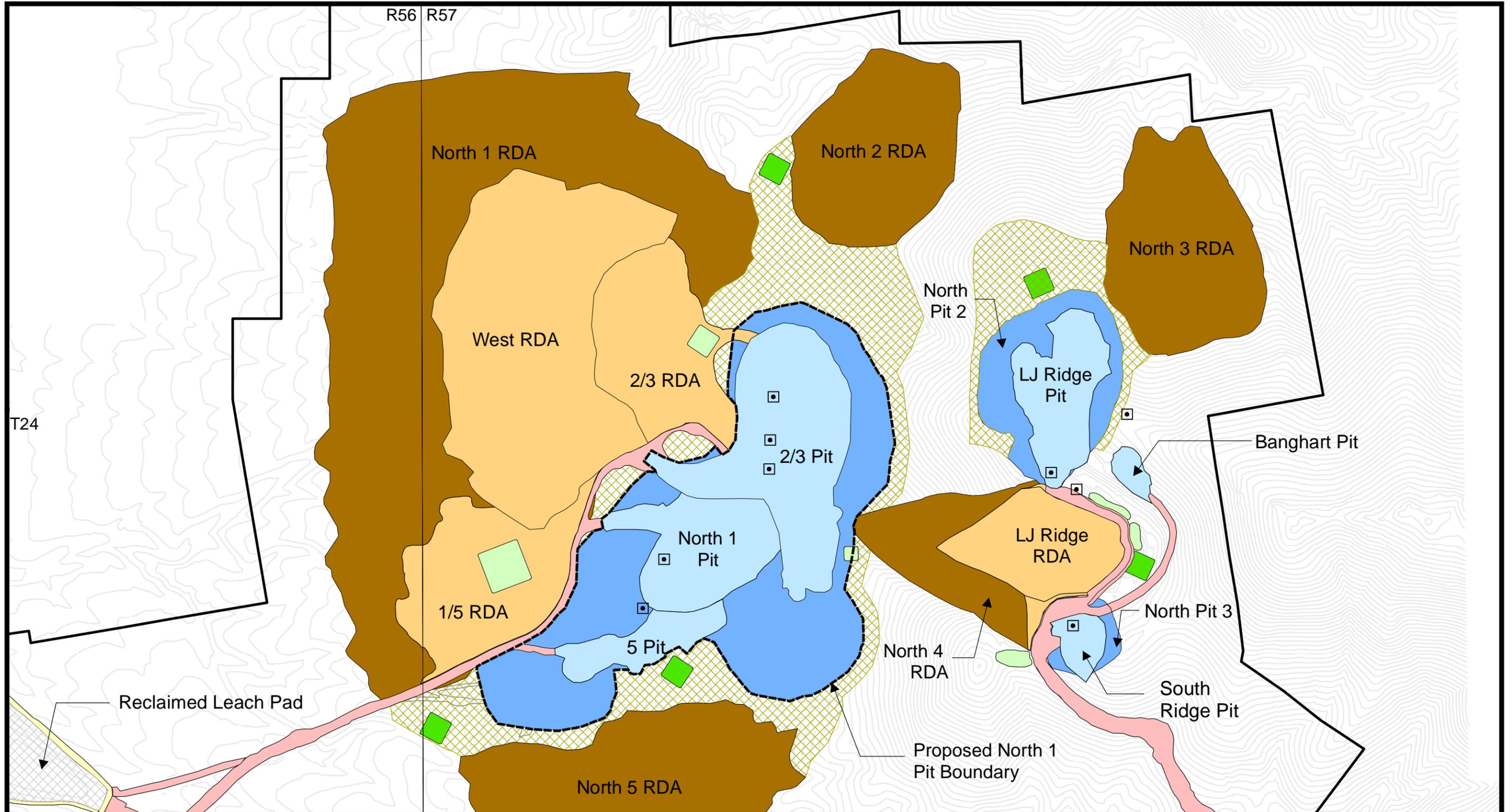
Legend

- North Operations Project Boundary
- Leach Pad
- Process Area
- Authorized/Existing Haul Road
- Authorized/Existing Growth Media Stockpile
- Proposed Monitoring Well

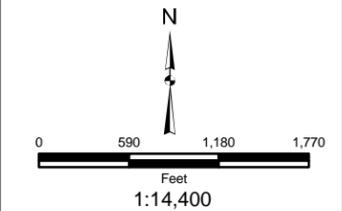
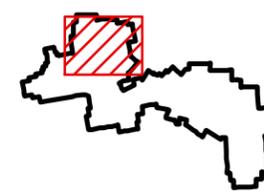


**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-2
MOONEY BASIN DETAIL**

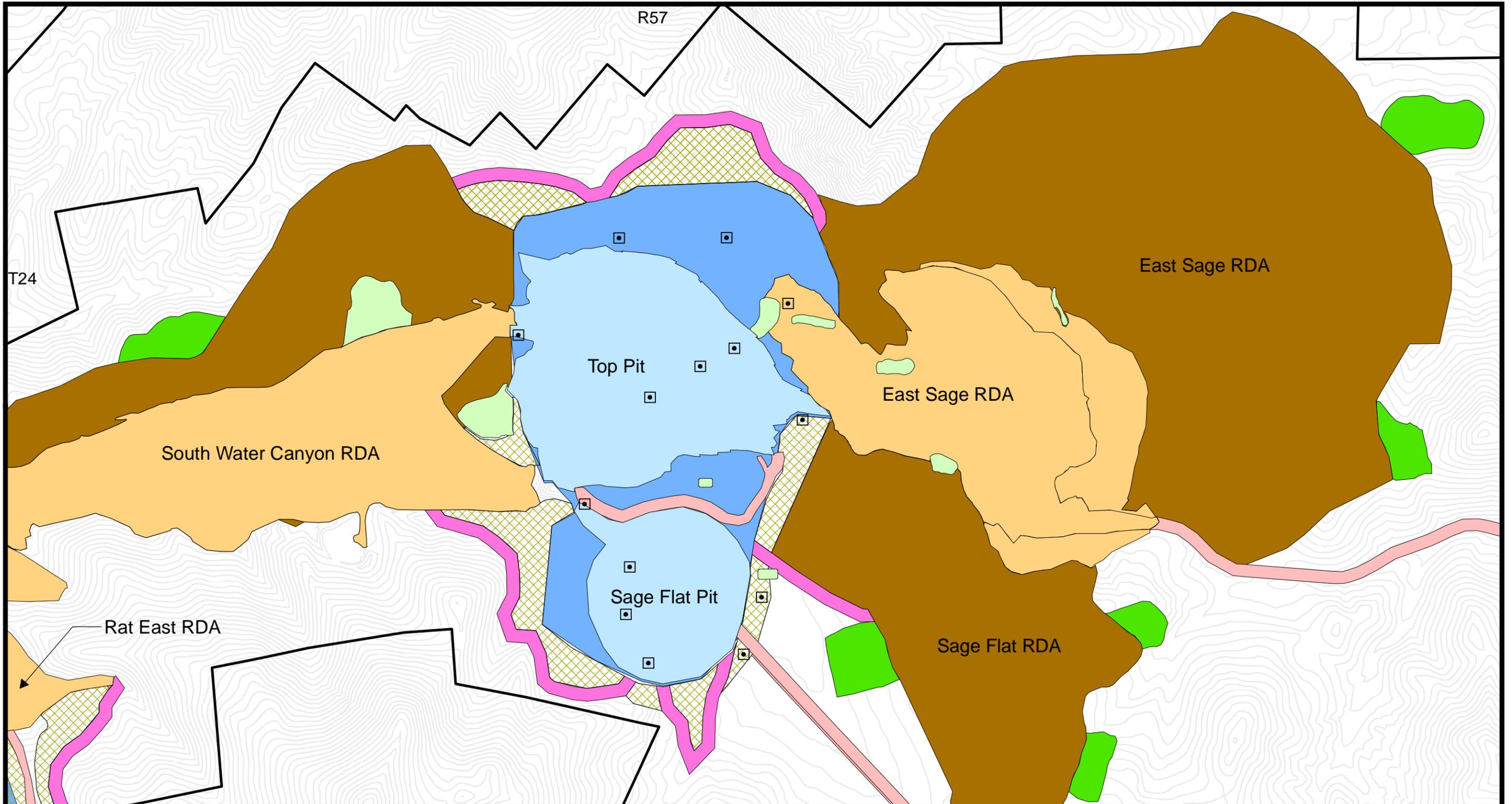


- Legend**
- North Operations Project Boundary
 - Authorized/Existing Haul Road
 - Authorized/Existing Pit
 - Authorized/Existing RDA
 - Authorized/Existing Growth Media Stockpile
 - Borehole Location
 - Proposed Pit
 - Proposed RDA
 - Proposed Growth Media Stockpile
 - ▨ Reclaimed Leach Pad
 - ▨ Proposed North 1 Pit Boundary
 - ▨ Interpit Area

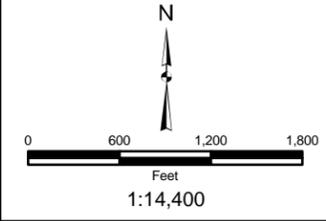
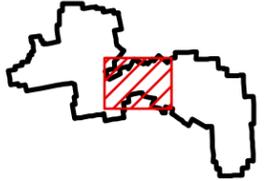


**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-3
NORTH AREA COMPLEX DETAIL**

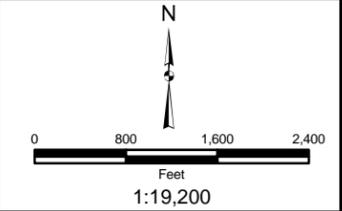
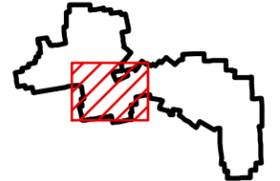
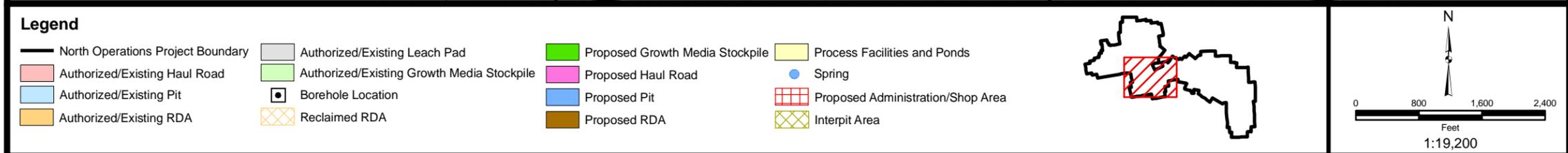
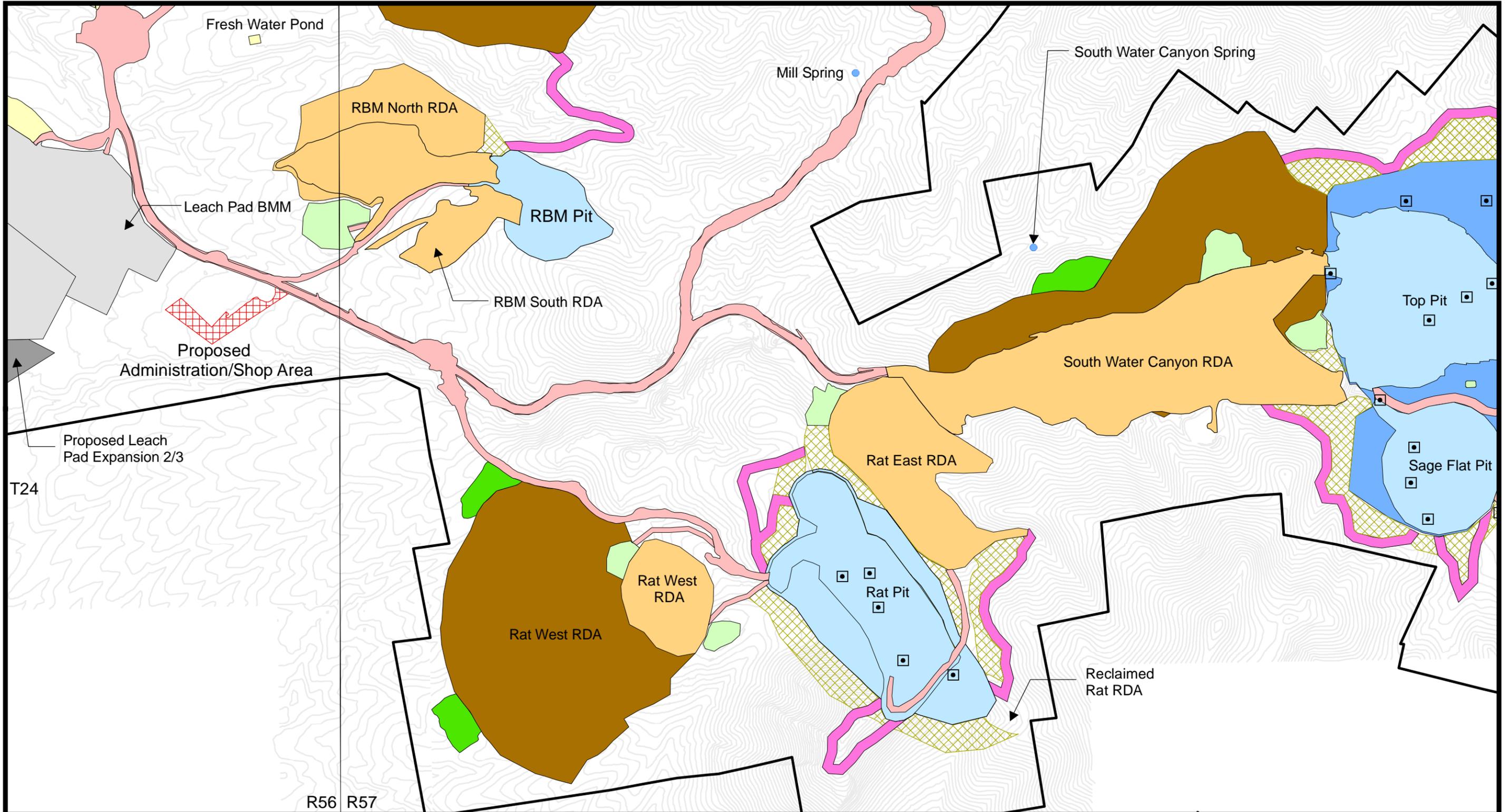


- Legend**
- North Operations Project Boundary
 - Authorized/Existing Haul Road
 - Authorized/Existing Pit
 - Authorized/Existing Growth Media Stockpile
 - Authorized/Existing RDA
 - Proposed RDA
 - Proposed Haul Road
 - Proposed Pit
 - Borehole Location
 - Proposed Growth Media Stockpile
 - ▨ Interpit Area



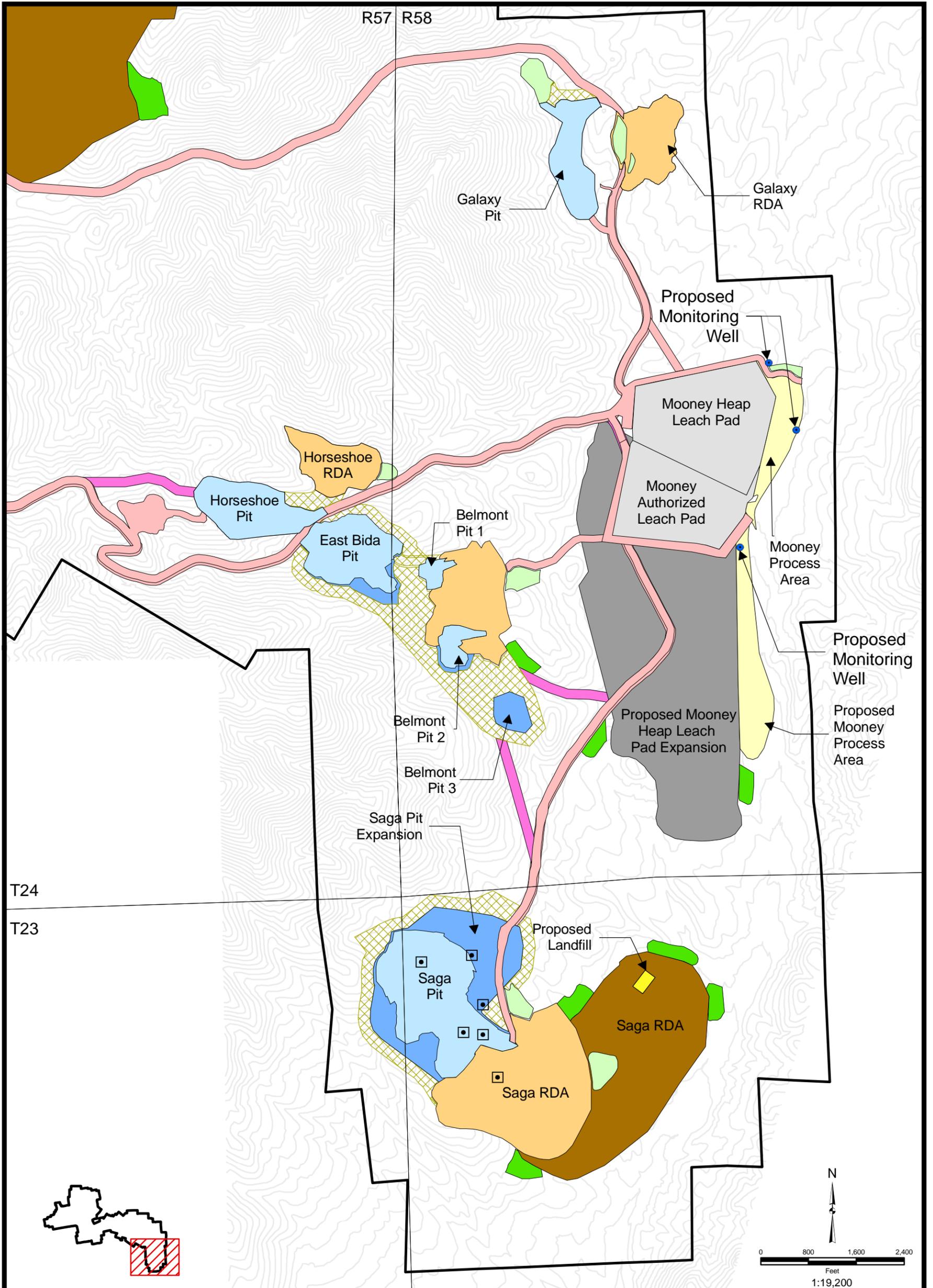
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-4
TOP/SAGE FLAT AREA DETAIL**



**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

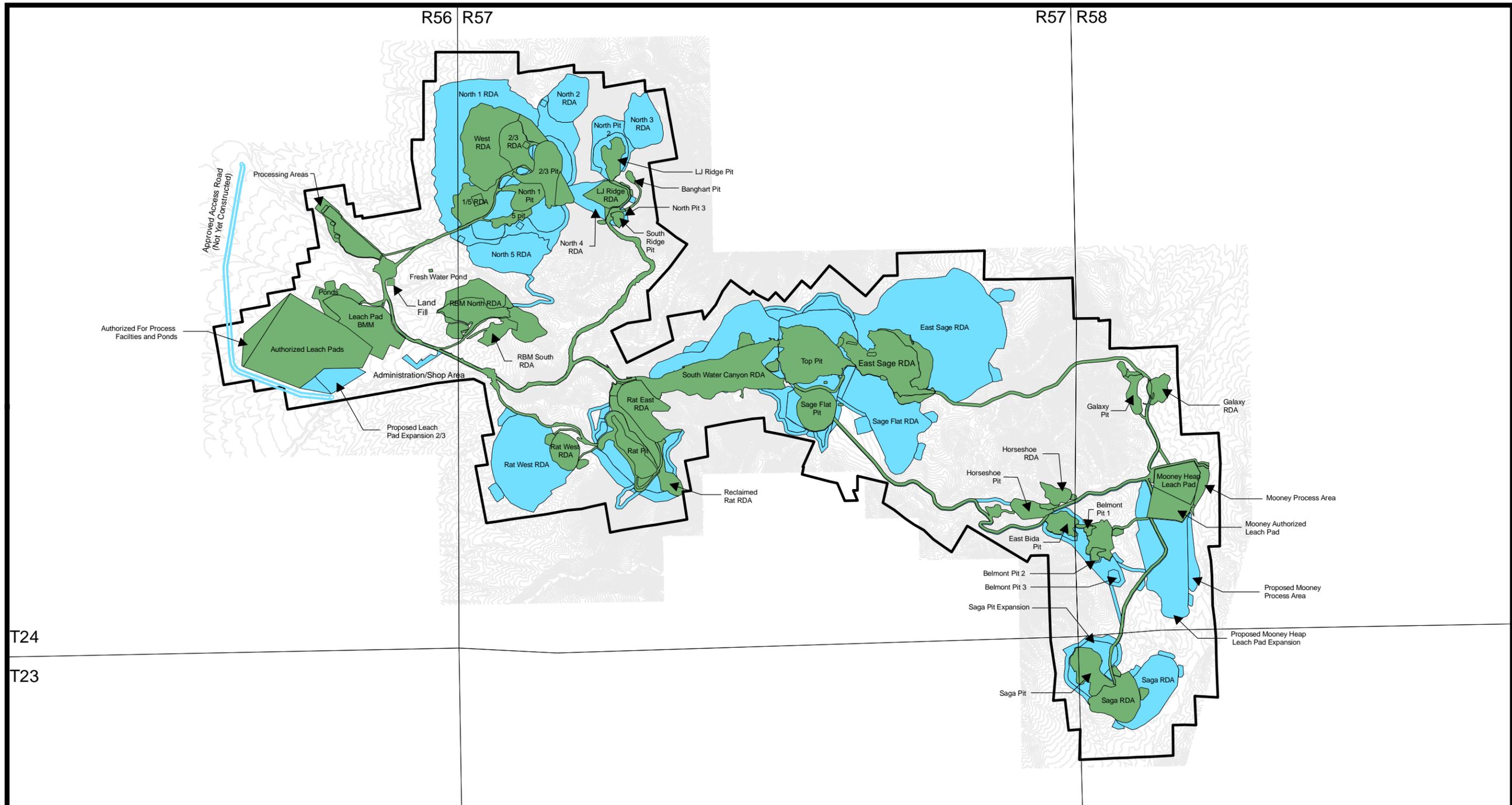
**FIGURE 2-5
RAT/RBM AREA DETAIL**



Legend	
— North Operations Project Boundary	— Proposed Haul Road
— Authorized/Existing Haul Road	— Proposed Leach Pad
— Authorized/Existing Pit	— Proposed Pit
— Authorized/Existing Leach Pad	— Proposed RDA
— Authorized/Existing RDA	— Proposed Landfill
— Authorized/Existing Growth Media Stockpile	— Process Facilities and Ponds
□ Borehole Location	— Proposed Growth Media Stockpile
⊞ Interpit Area	● Proposed Monitoring Well

**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-6
MOONEY BASIN OPERATION DETAIL**

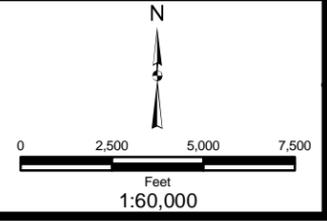


Legend

 EXISTING/AUTHORIZED DISTURBANCE AREA

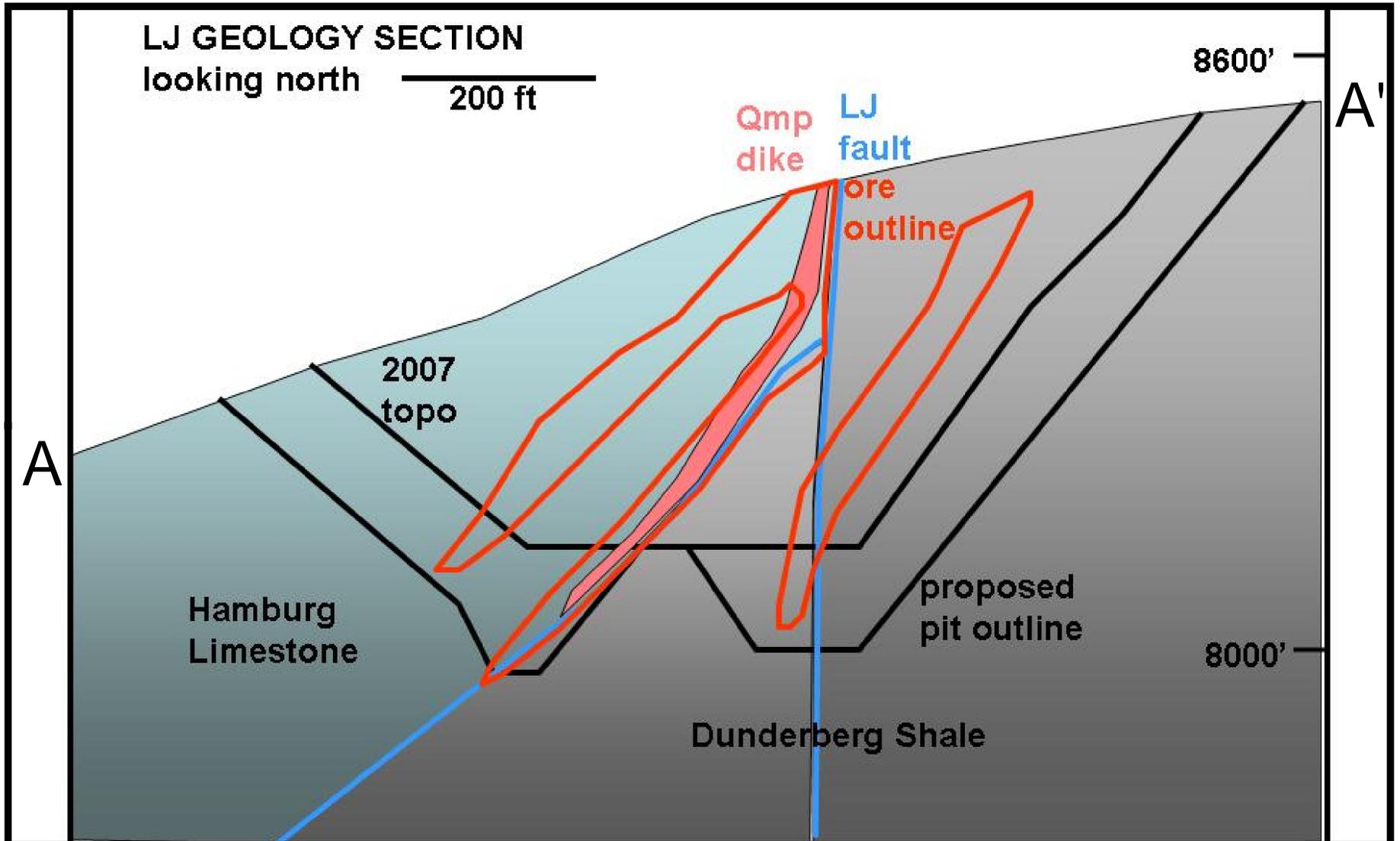
 PROPOSED DISTURBANCE AREA

 NORTH OPERATIONS PROJECT AREA BOUNDARY



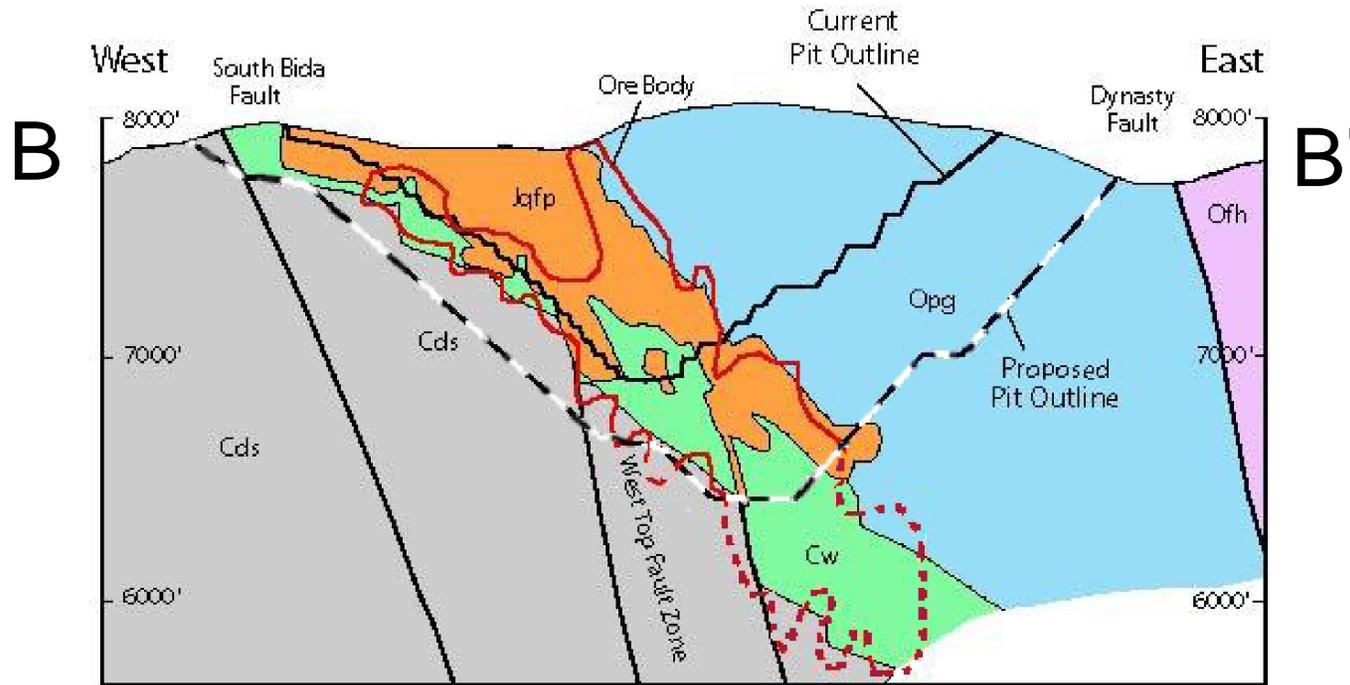
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-7
EXISTING/APPROVED AND
PROPOSED DISTURBANCE**



BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS

FIGURE 2-8
OPEN PIT CROSS-SECTION
LJ PIT



TOP PIT GEOLOGY SECTION

Looking North



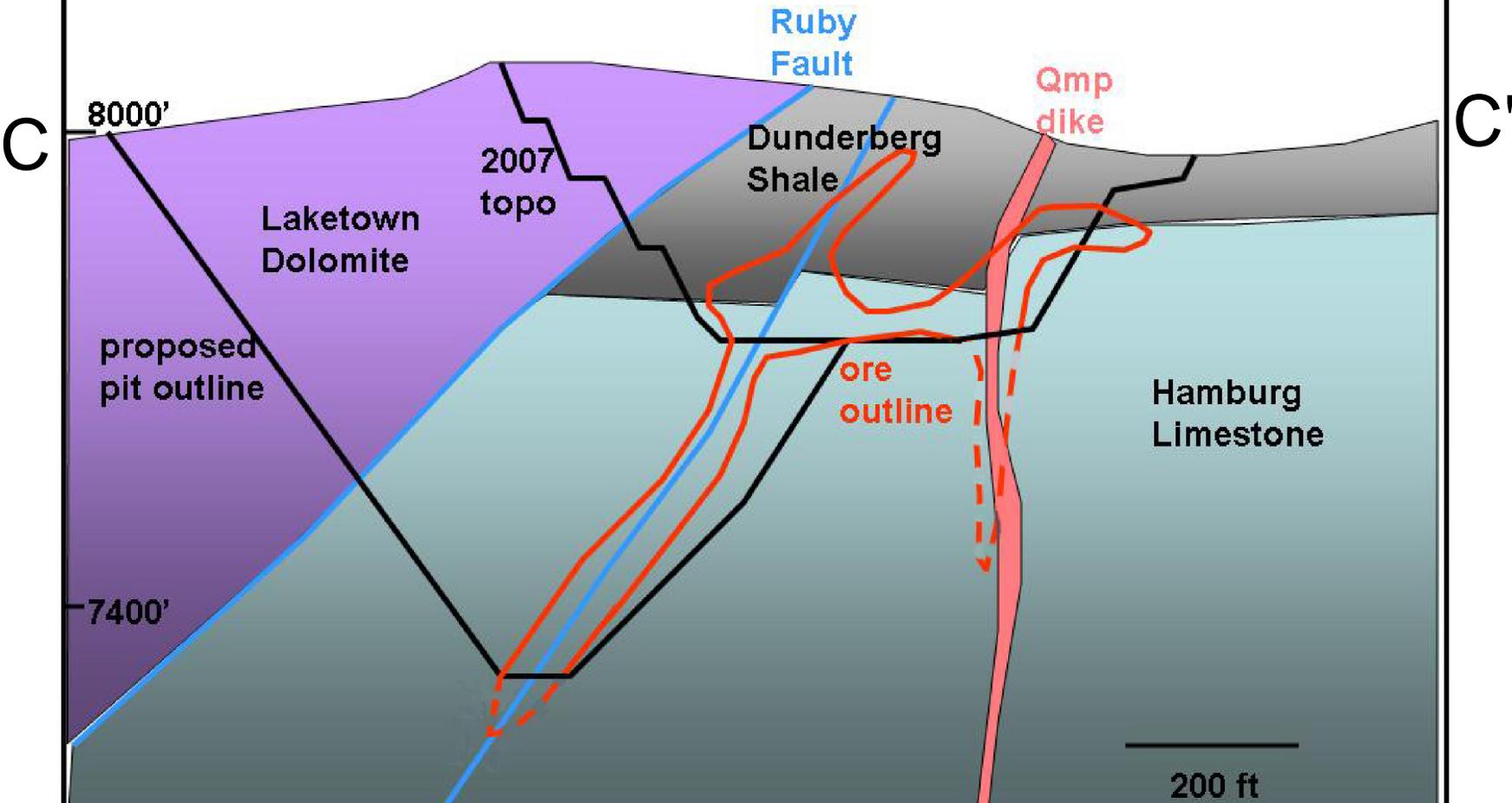
Legend

- | | | | |
|------|--------------------------|-------|----------------------|
| Jqfp | Quartz feldspar porphyry | Cds | Dunderburg Shale |
| Ofh | Fish Haven Dolomite | - - - | Proposed Pit Outline |
| Opg | Pogonip Group | ——— | Ore Body Outline |
| Cw | Windfall Formation | | |

**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

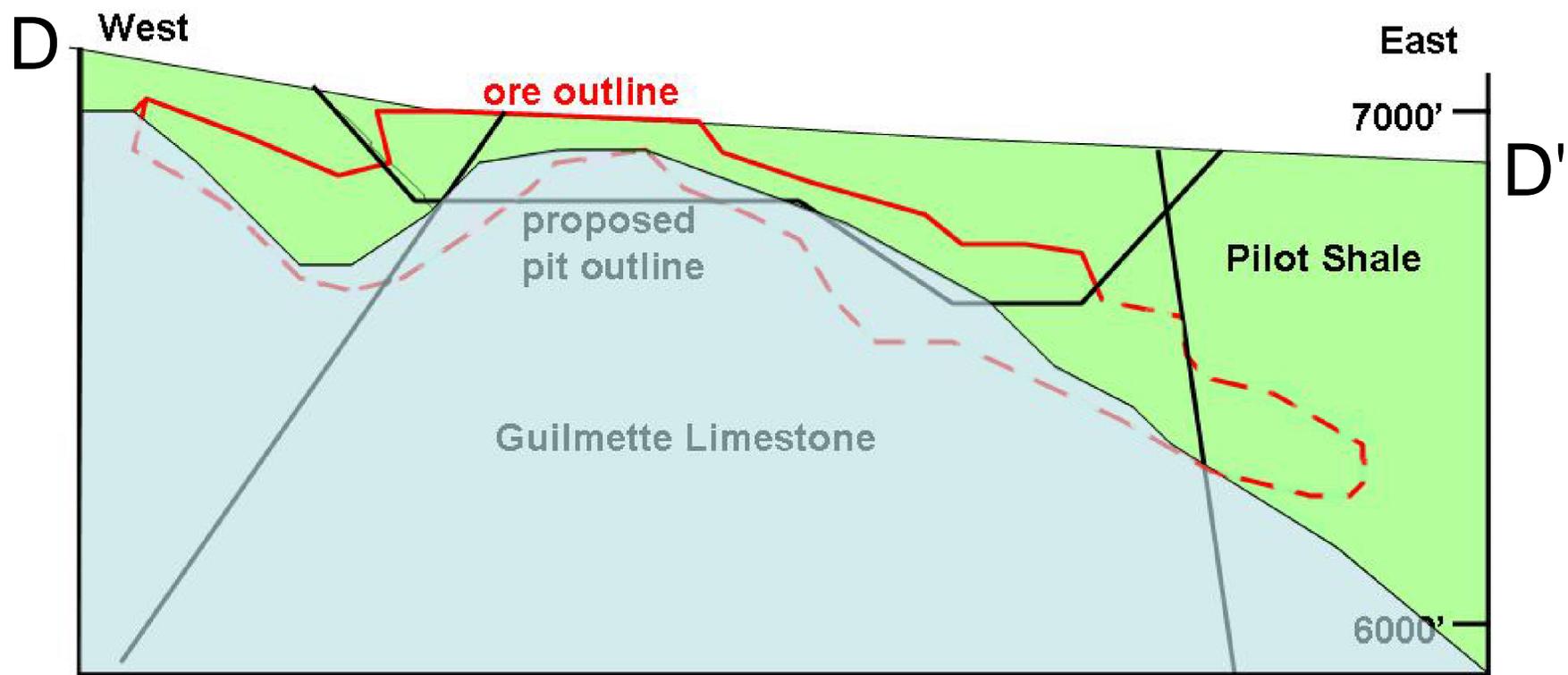
**FIGURE 2-9
OPEN PIT CROSS-SECTION
TOP PIT**

RAT GEOLOGY SECTION
looking NW



BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS

FIGURE 2-10
OPEN PIT CROSS-SECTION
RAT PIT



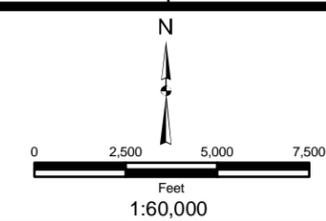
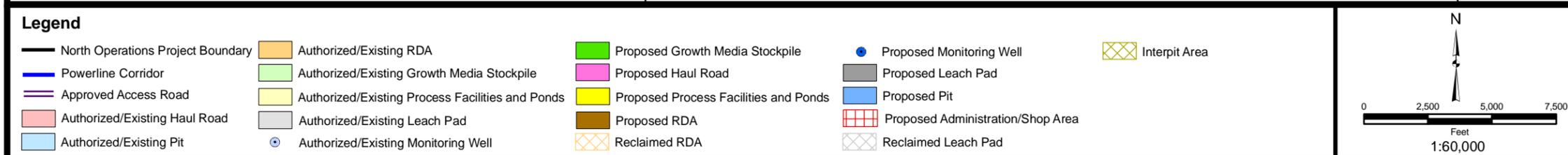
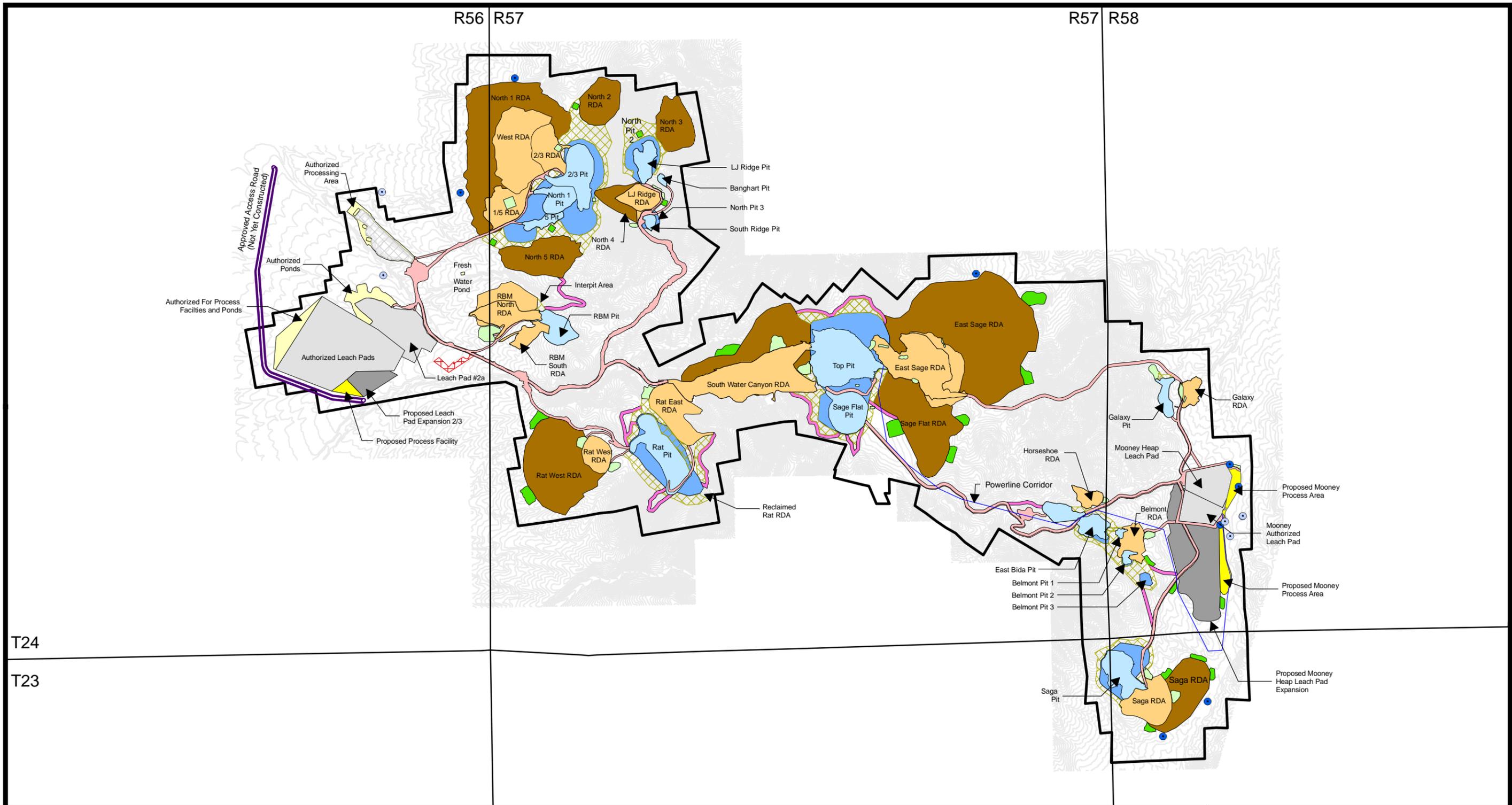
SAGA PIT GEOLOGY SECTION

Looking north



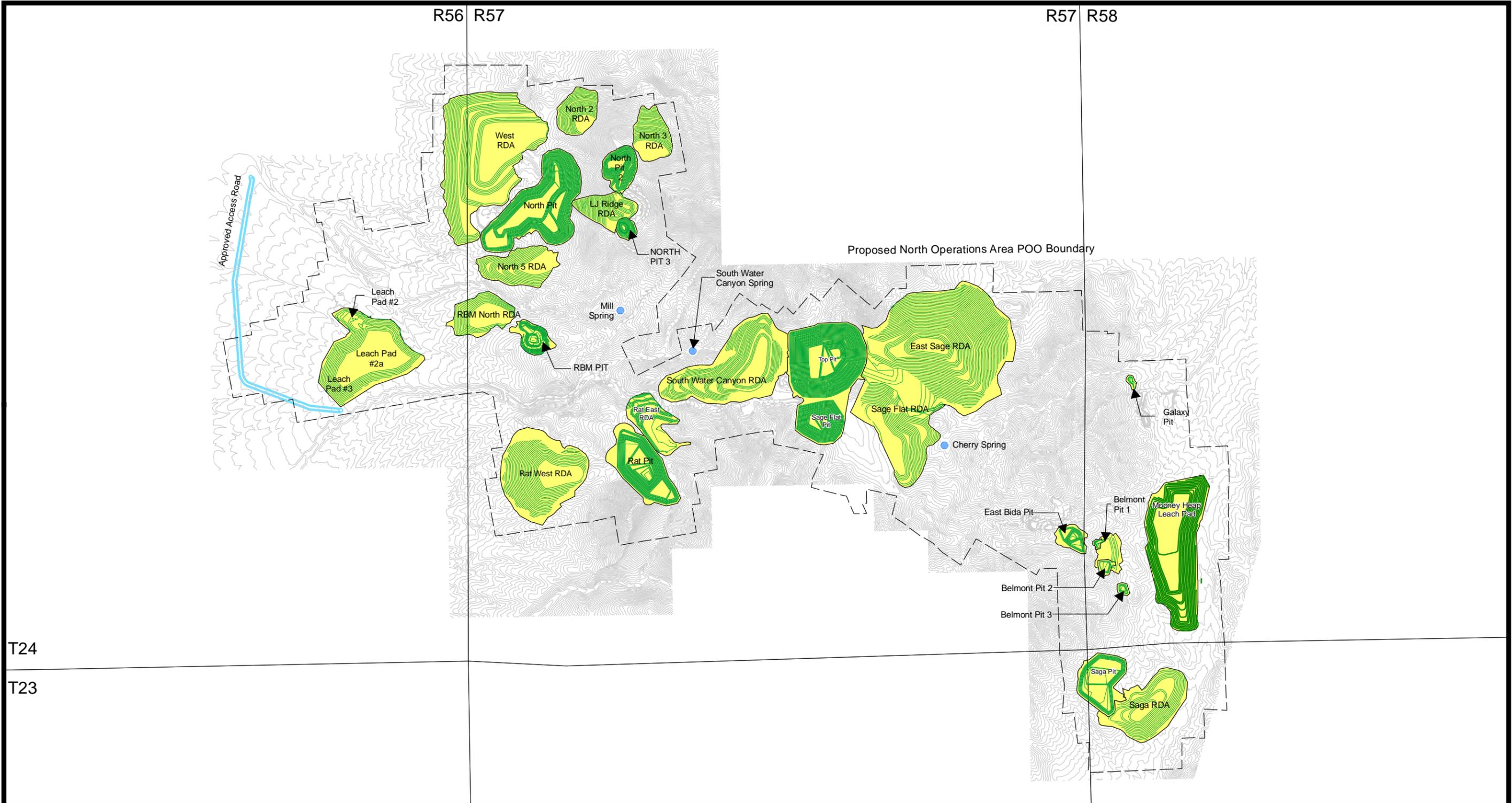
BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS

FIGURE 2-11
OPEN PIT CROSS-SECTION
SAGA PIT



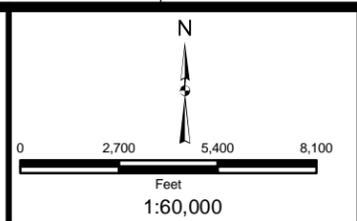
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-12
MONITORING WELL LOCATIONS**



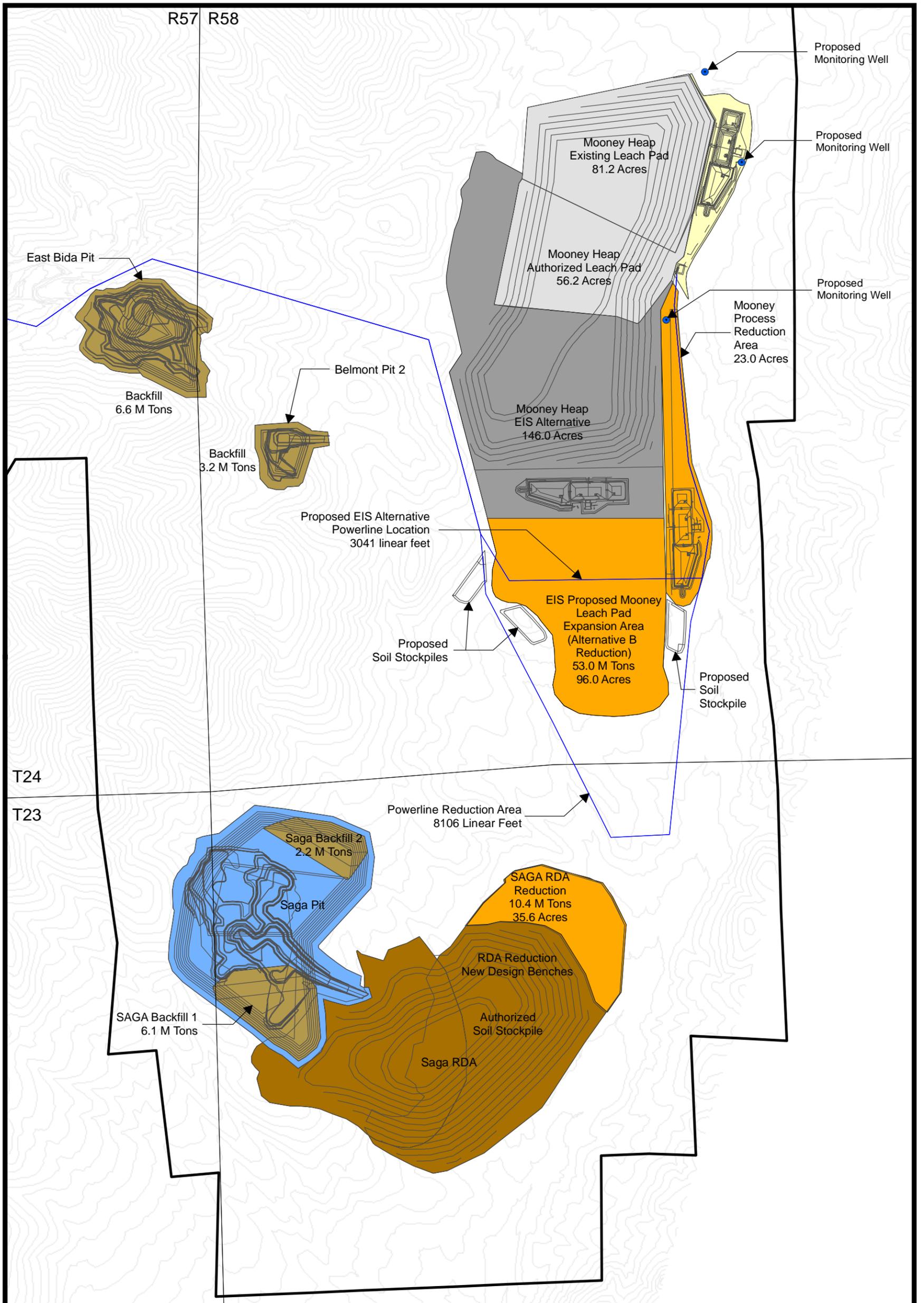
Legend

- Post Mine Contours
- - - Proposed North Operations Area POO Boundary
- Facility Footprints



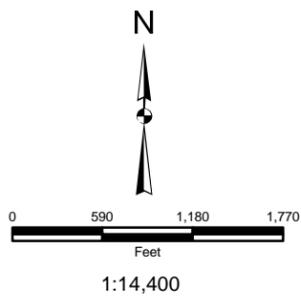
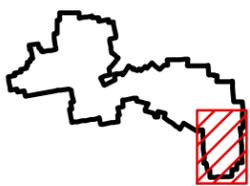
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-13
POST MINING RECLAMATION
TOPOGRAPHY**



Legend

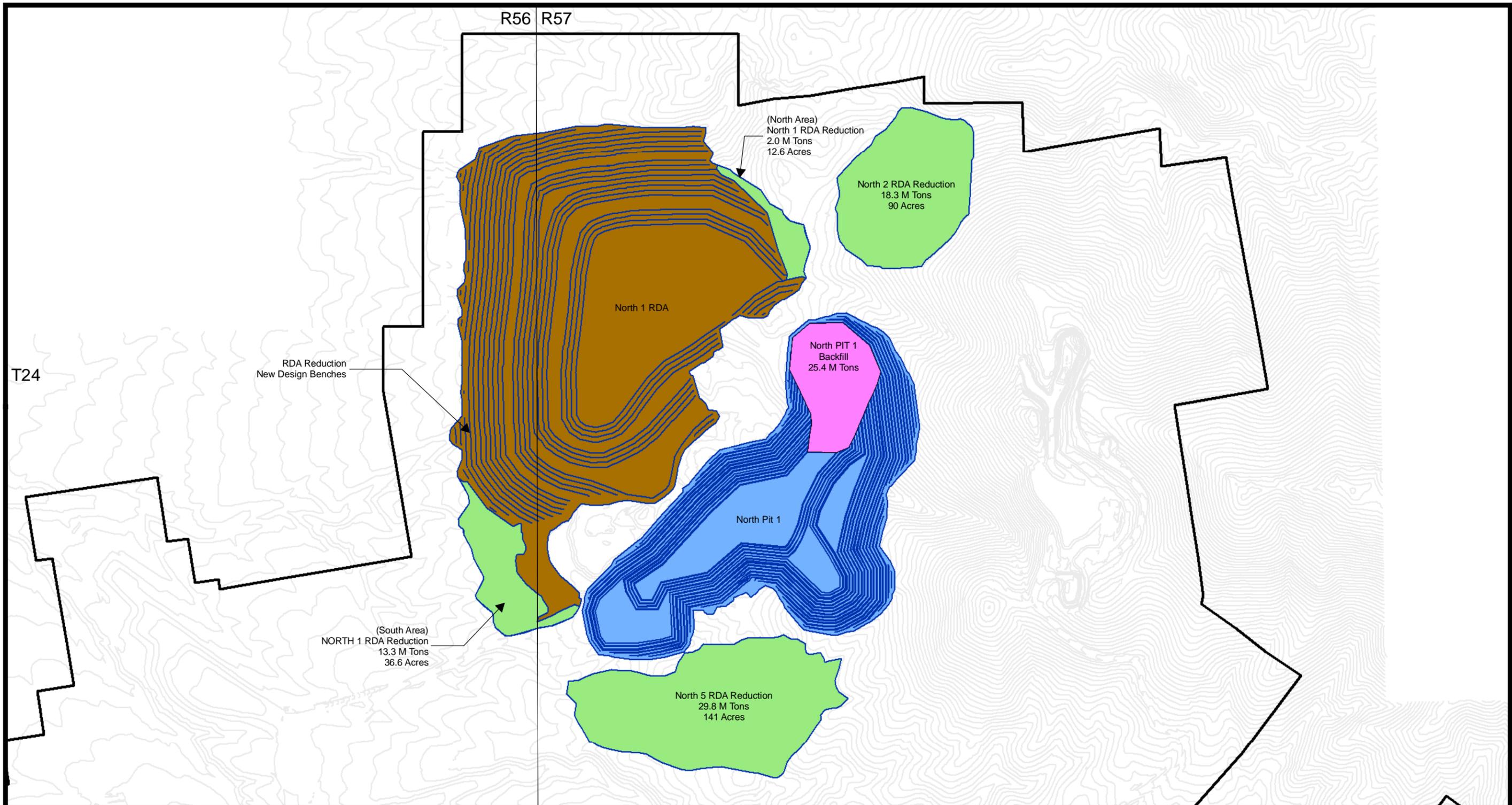
- North Operations Project Boundary
- Backfill
- Leach Pad
- Proposed Leach Pad
- Pit
- RDA
- Process Area
- Reduction Area
- Proposed Monitoring Well



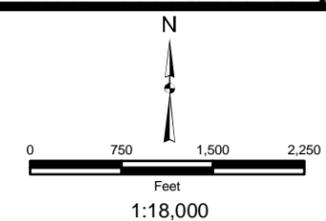
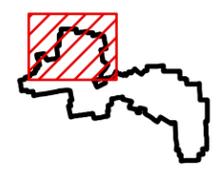
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-14
ALTERNATIVE A PART I
SAGA AND BELMONT
ALTERNATIVE B MOONEY
BASIN PAD REDUCTION***

*ALSO SEE FIGURES 2-17 AND 2-18

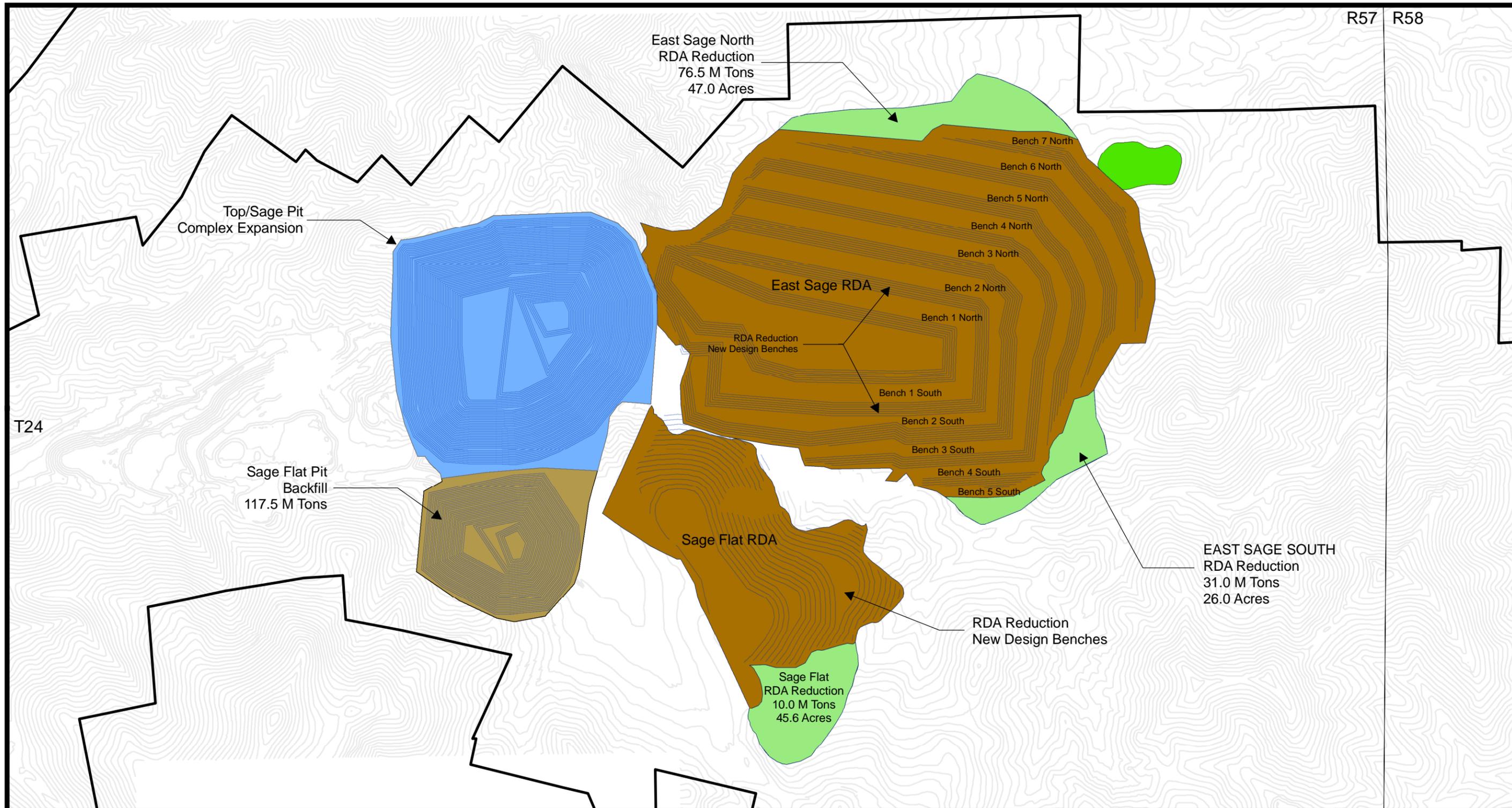


- Legend**
- North Operations Project Boundary
 - RDA
 - Pit
 - Backfill
 - RDA Reduction

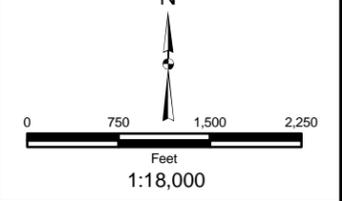
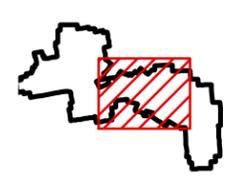


**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-15
ALTERNATIVE A PART II NORTH
AREA COMPLEX ROCK DISPOSAL AREA**

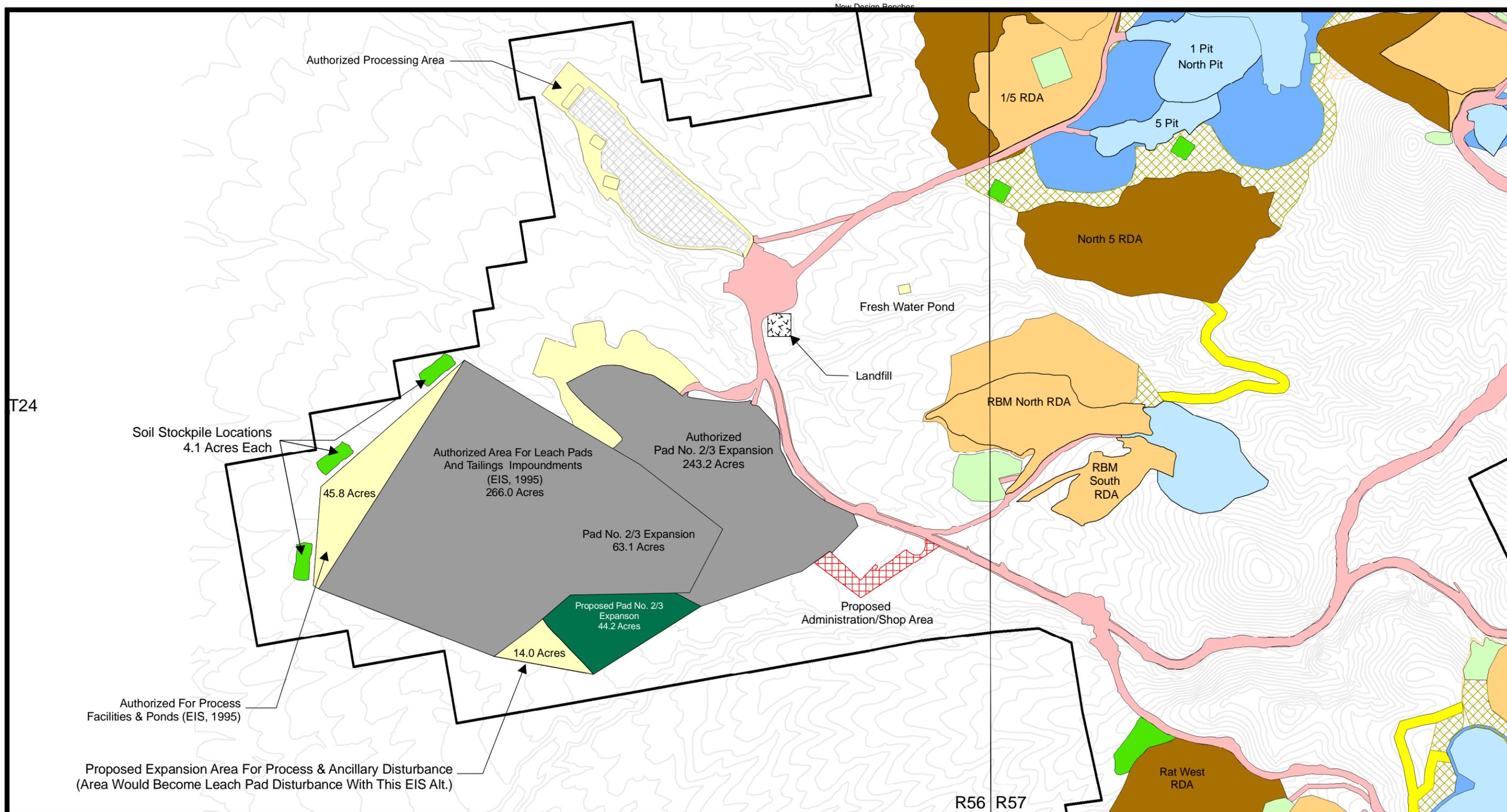


- Legend**
- North Operations Project Boundary
 - RDA
 - Pit Backfill Area
 - RDA Reduction
 - Soil Stockpiles
 - Pit



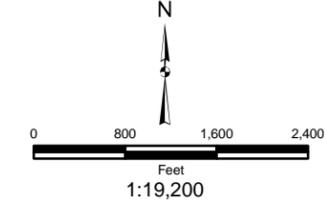
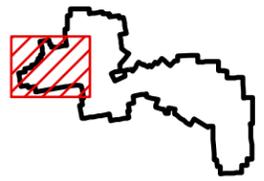
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-16
ALTERNATIVE A PART III SAGE FLAT**



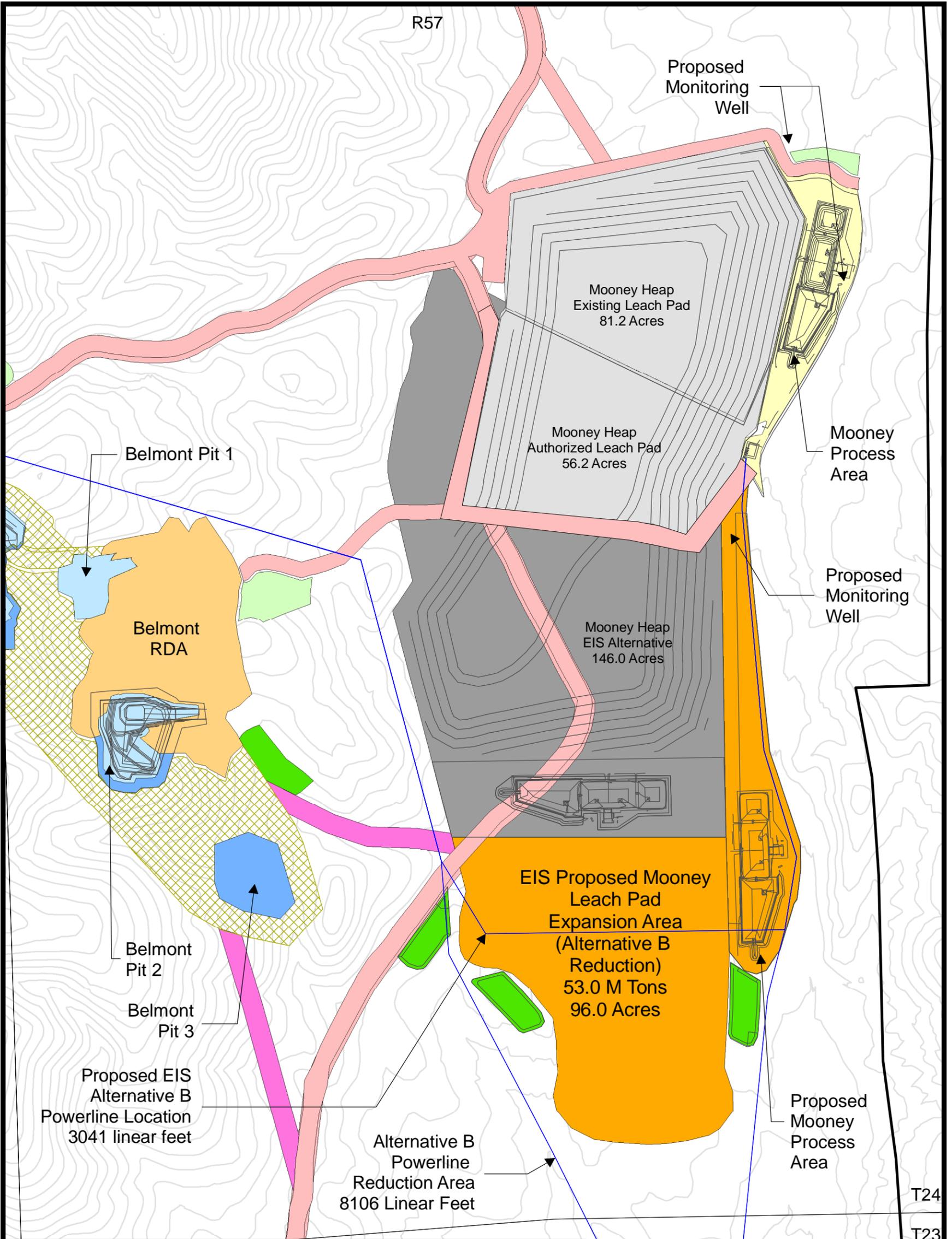
Legend

- | | | | |
|-------------------------------------|-------------------------------------|--|-----------------------|
| — North Operations Project Boundary | ■ Proposed RDA | — Authorized/Existing Haul Road | ■ Landfill |
| ■ Authorized Leach Pad | ■ Proposed Pit | ■ Authorized/Existing Pit | ■ Interpit Area |
| ■ Proposed Leach Pad | ■ Proposed Administration/Shop Area | ■ Authorized/Existing RDA | ■ Reclaimed Leach Pad |
| ■ Proposed Growth Media Stockpile | | ■ Authorized/Existing Growth Media Stockpile | |
| ■ Proposed Haul Road | | ■ Authorized Process Facilities and Ponds | |



**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

FIGURE 2-17
ALTERNATIVE A PART IV
RBM ROCK DISPOSAL AREA
ALTERNATIVE B HEAP 2/3
EXPANSION AT BALD MOUNTAIN MINE



N

0 400 800 1,200

Feet

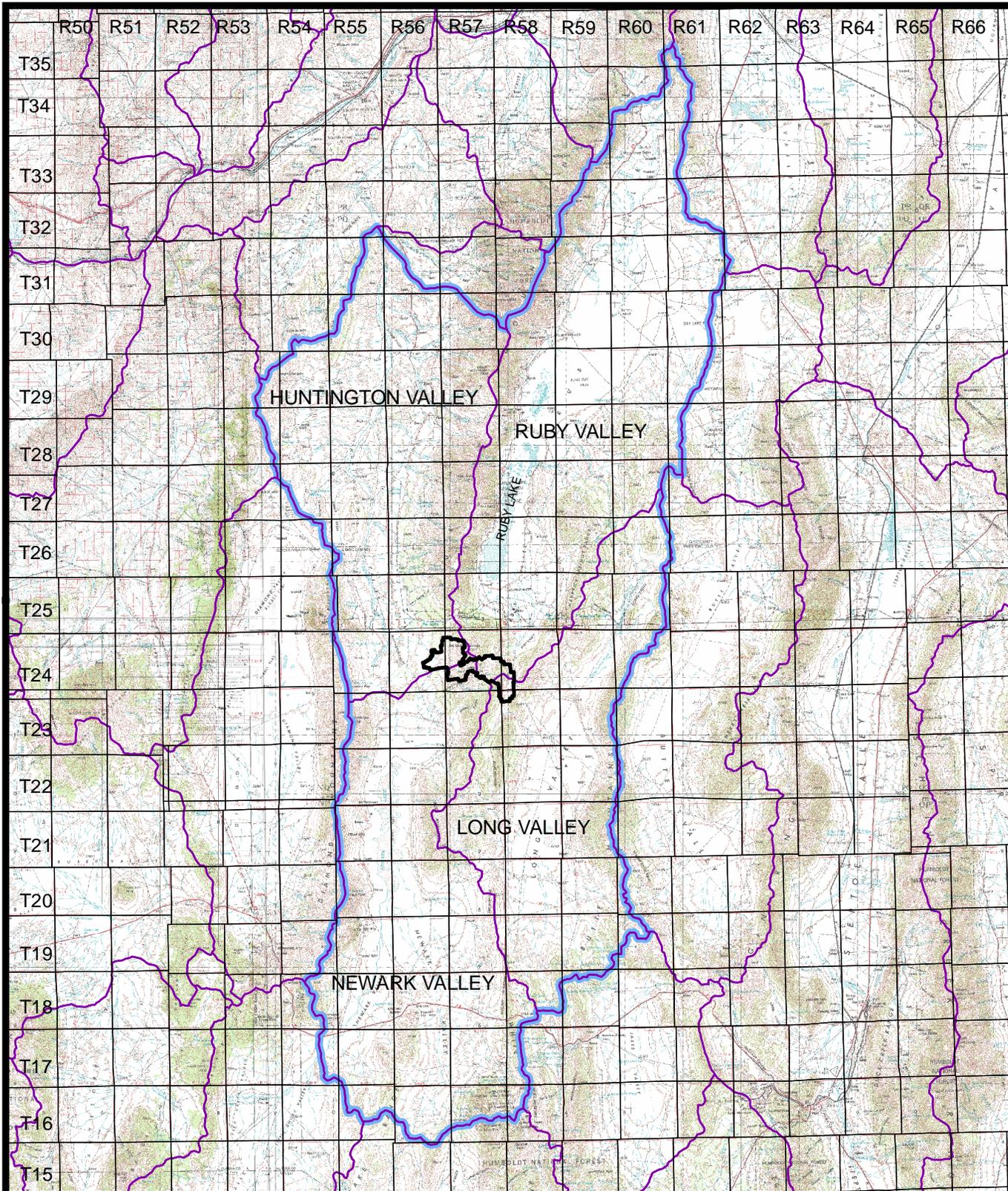
1:9,600

<p>Legend</p> <ul style="list-style-type: none"> — North Operations Project Boundary — Authorized/Existing Haul Road — Authorized/Existing Pit — Authorized/Existing Leach Pad — Authorized/Existing RDA — Authorized/Existing Growth Media Stockpile — Interpit Area — Proposed Powerline 	<ul style="list-style-type: none"> — Proposed Haul Road — Proposed Leach Pad — Proposed Pit — Reduction Area — Process Facilities and Ponds — Proposed Growth Media Stockpile ● Proposed Monitoring Well
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T24
T23

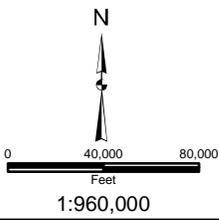
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 2-18
MOONEY BASIN ALTERNATIVE B**



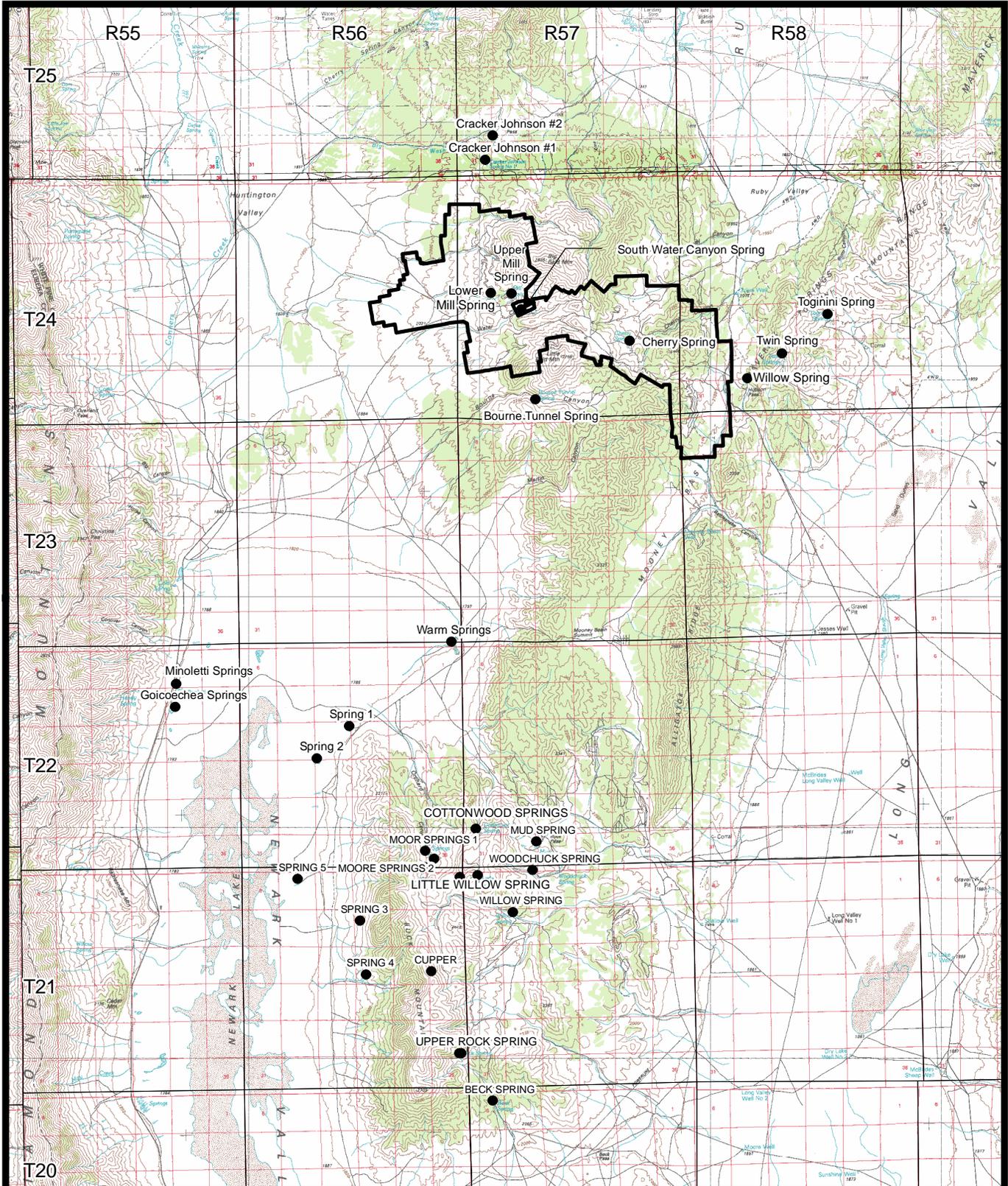
Legend

- North Operations Project Boundary
- Hydrographic Basin Boundaries
- Water Cumulative Assessment Study Area Boundary



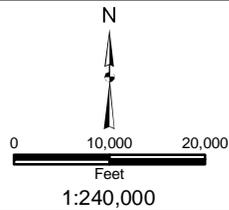
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 3-1
HYDROGRAPHIC BASINS**



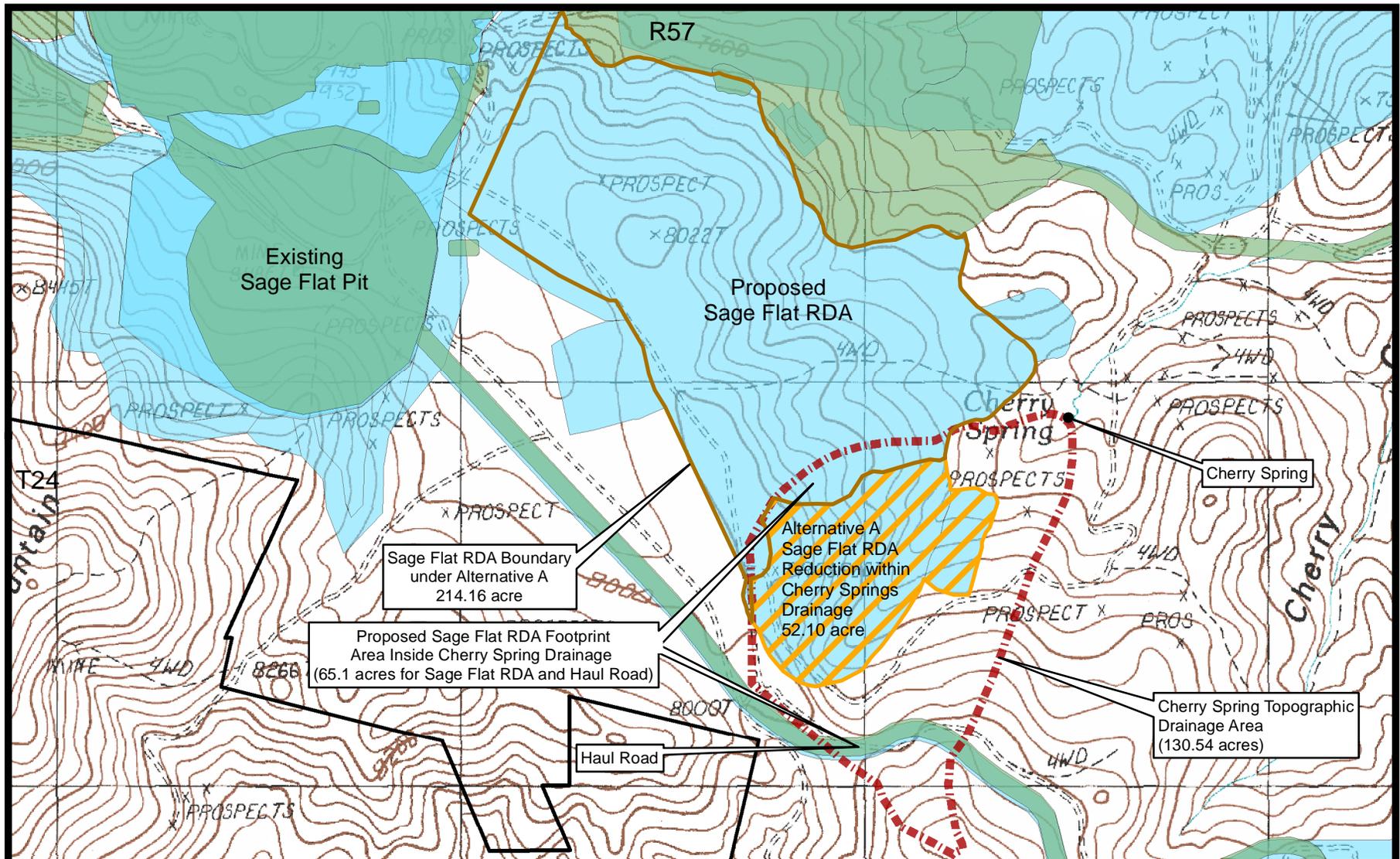
Legend

- North Operations Project Boundary
- Springs (Tetra Tech, 2007)



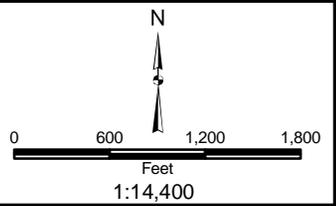
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 3-2
SEEP AND SPRING LOCATIONS**



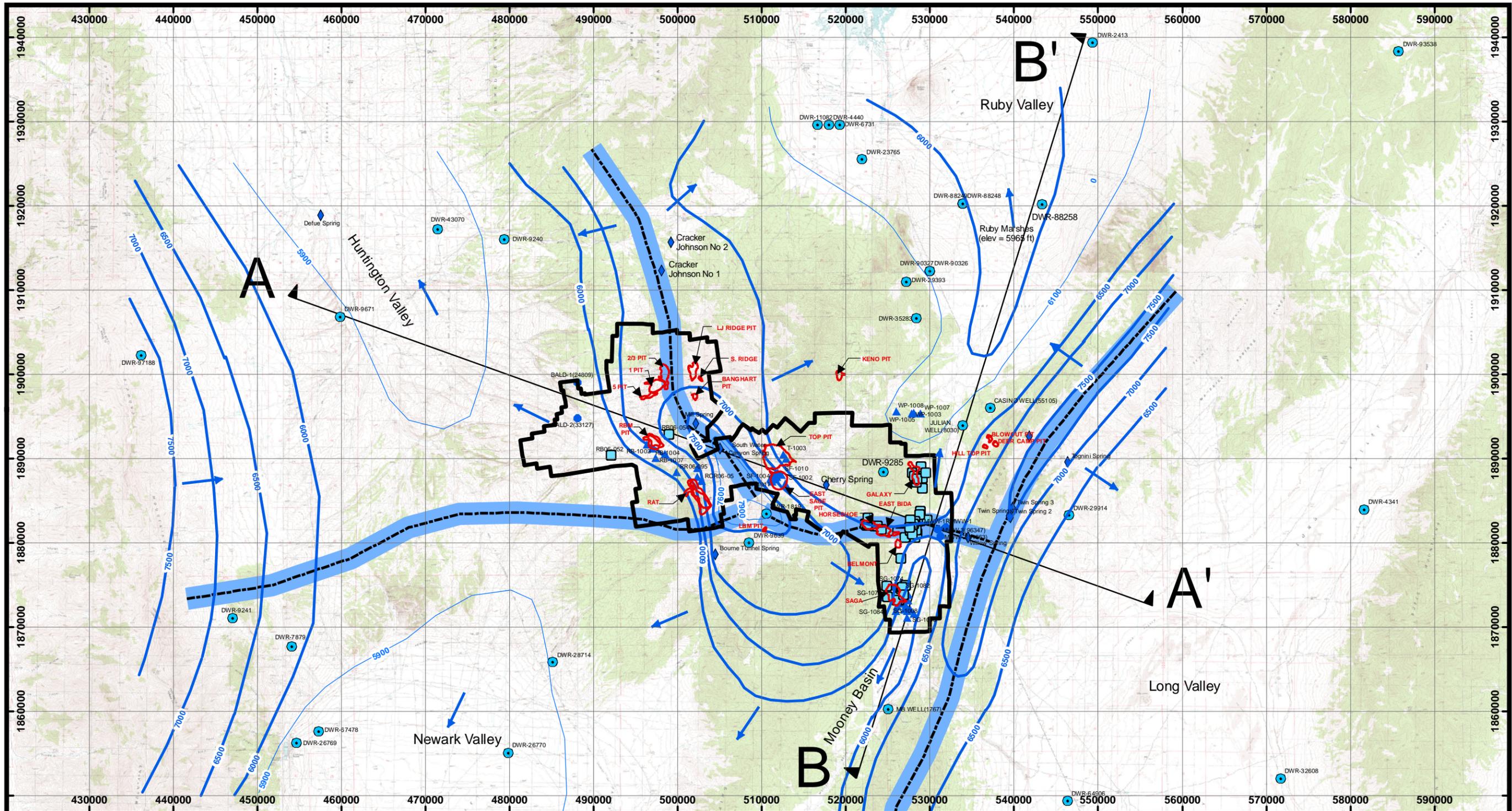
Legend

- North Operations Project Boundary
- Existing/Authorized Disturbance Area
- Proposed Disturbance Area
- Cherry Spring Topographic Drainage Area
- Sage Flat RDA Boundary Under Alternative A
- Alternative A Reduction Area



**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 3-3
CHERRY SPRING DRAINAGE AREA**



Legend			
— North Operations Project Boundary	Groundwater Divide	● Water Wells	
Existing pits in 2007	Exploration Drill Hole Sites	◆ Springs	
Groundwater 500 ft Contours	Division of Water Resource Wells	→ Flow Direction	
Groundwater minor Contours	International Directional Survey Log Sites	▲ Cross Section Shown on Figure 3-5 and Figure 3-6	

**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 3-4
POTENTIOMETRIC SURFACE**

SOURCE: UTM NAD27 DATA FROM MINEMAPPERS LLC, 2007

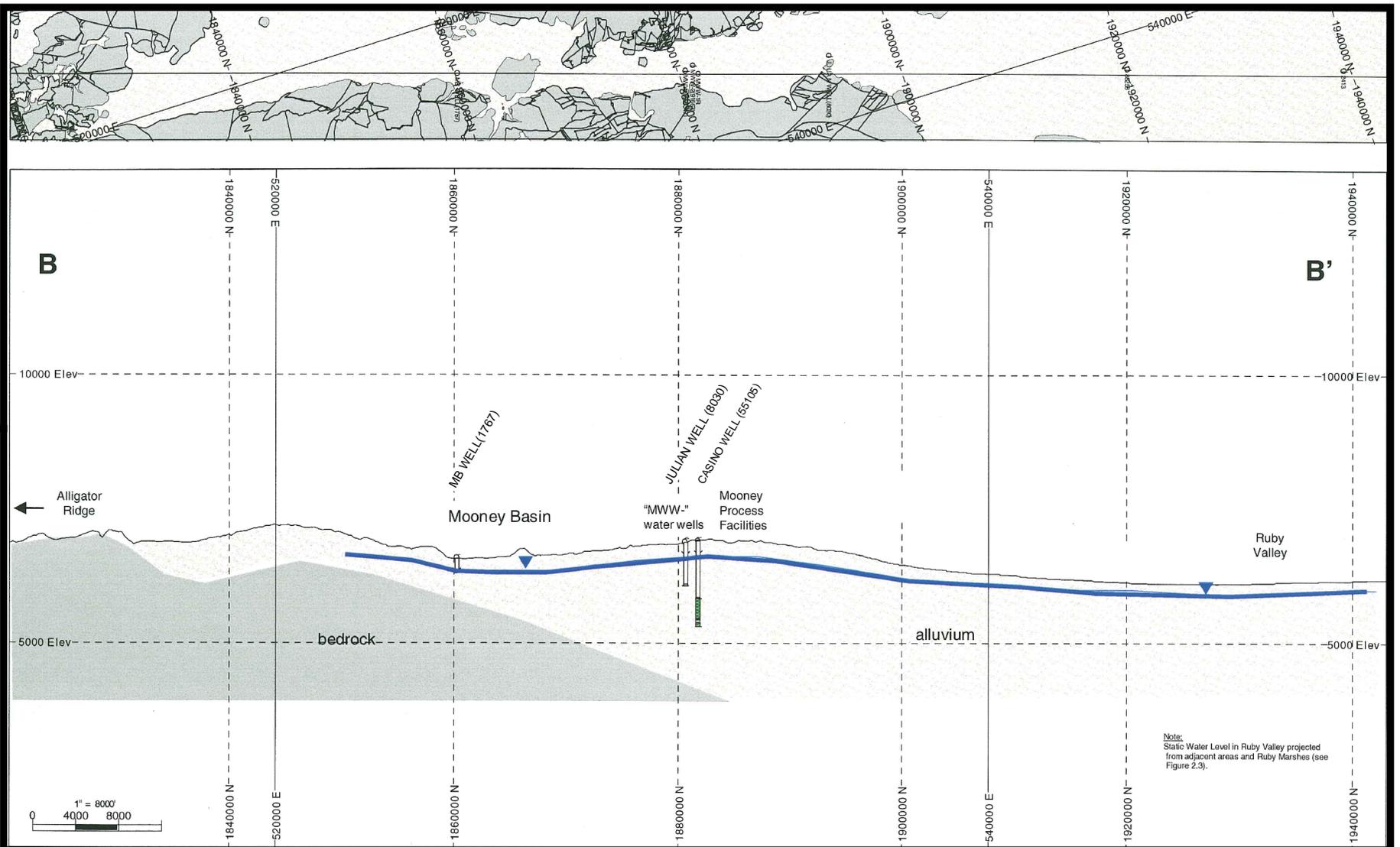


VERTICAL CROSS-SECTION A-A' (NW-SE). SEE FIGURE 3-4 FOR SECTION LOCATION. VERTICAL EXAGGERATION = 5X HORIZONTAL SCALE.

**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 3-5
POTENTIOMETRIC SURFACE
CROSS-SECTION A**

SOURCE: MINEMAPPERS LLC, 2007

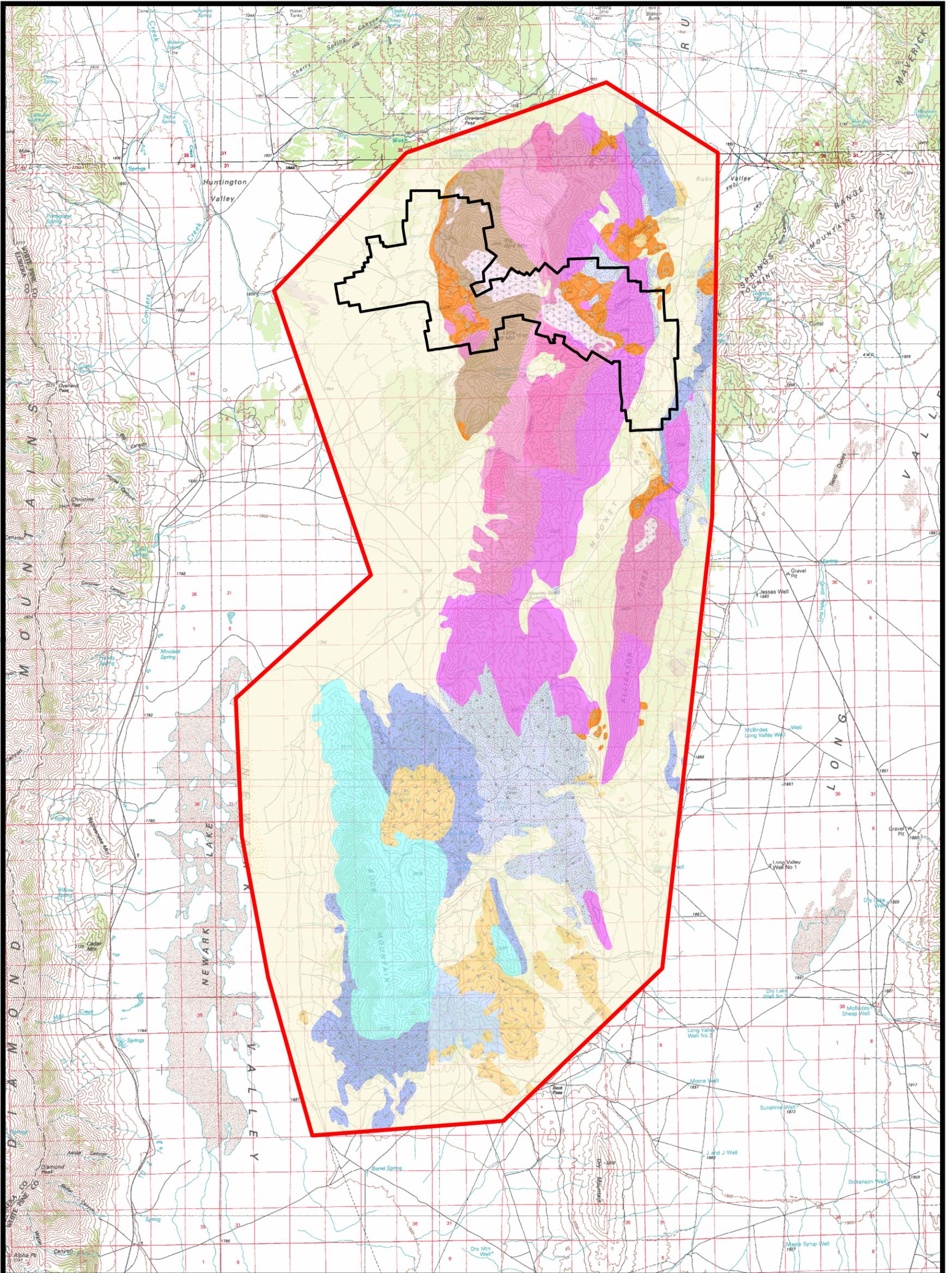


VERTICAL CROSS-SECTION B-B' (SW-NE). SEE FIGURE 3-4 FOR SECTION LOCATION. VERTICAL EXAGGERATION = 5X HORIZONTAL SCALE.

**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

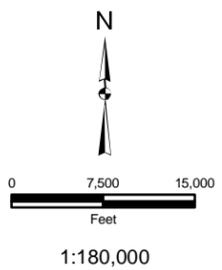
**FIGURE 3-6
POTENTIOMETRIC SURFACE
CROSS-SECTION B**

SOURCE: MINEMAPPERS LLC, 2007



Legend

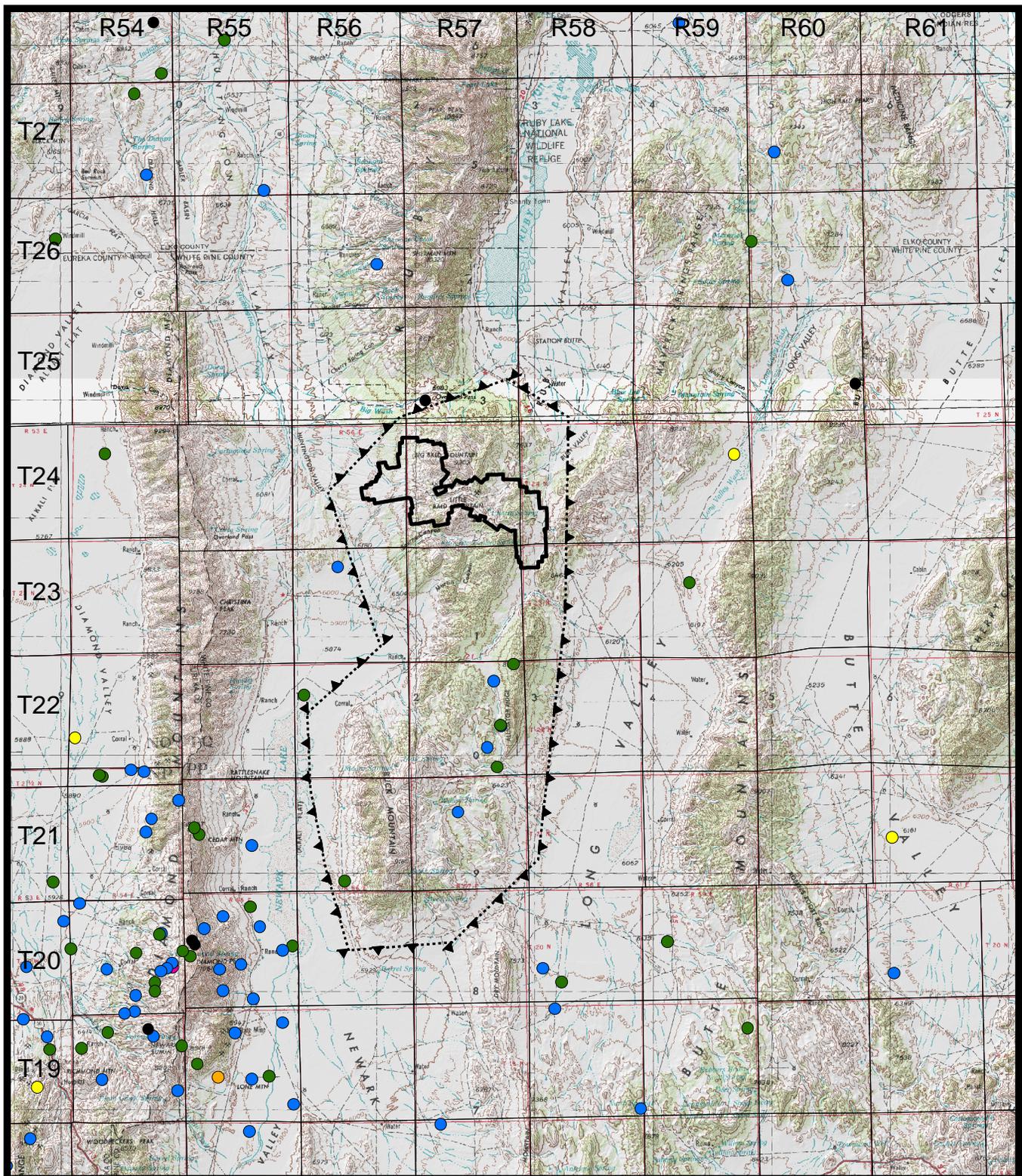
-  North Operations Project Boundary
-  Geology Cumulative Assessment Study Area
-  IPMcI - Shale, siltstone, sandstone, and conglomerate (Middle Pennsylvanian to Lower Mississippian)
-  br - Mixed breccias including volcanic, thrust, jasperoid, and landslide megabreccia (Tertiary to Jurassic)
-  Tt3 - Younger tuffaceous sedimentary rocks (Pliocene and Miocene)
-  Tr1 - Older rhyolitic flows and shallow intrusive rocks (lower Oligocene to middle Eocene)
-  Tt1 - Felsic phaneritic intrusive rocks (Miocene to Eocene)
-  Ta1 - Older andesite and intermediate flows and breccias (lower Oligocene to middle Eocene)
-  SOC - Dolomite, limestone, and shale (Lower Silurian to Middle Ordovician)
-  Opl - Playa, lake bed, and flood plain deposits
-  Qal - Alluvium, undifferentiated
-  Psc - Siltstone, sandstone, limestone, and dolomite (Lower Permian, Leonardian and Wolfcampian)
-  PIPc - Limestone, dolomite, siltstone, sandstone, and shale (Lower Permian and Pennsylvanian)
-  OCc - Limestone, dolomite, and quartzite (Middle Ordovician to Upper Cambrian)
-  MDcl - Siltstone, limestone, shale, and sandstone (Lower Mississippian and Upper Devonian)
-  Dcd - Dolomite, sandstone, and limestone (Middle and Lower Devonian)
-  Dc - Limestone and minor dolomite (Upper and Middle Devonian)
-  Cc - Dolomite, limestone, and shale (Cambrian)



**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT DEIS**

**FIGURE 3-7
GEOLOGIC MAP**

SOURCE: USGS GEOLOGIC MAP, I2691
ftp://nas.library.unr.edu/keck/31901nvgeomapmd/usgs_i2691.zip



Legend

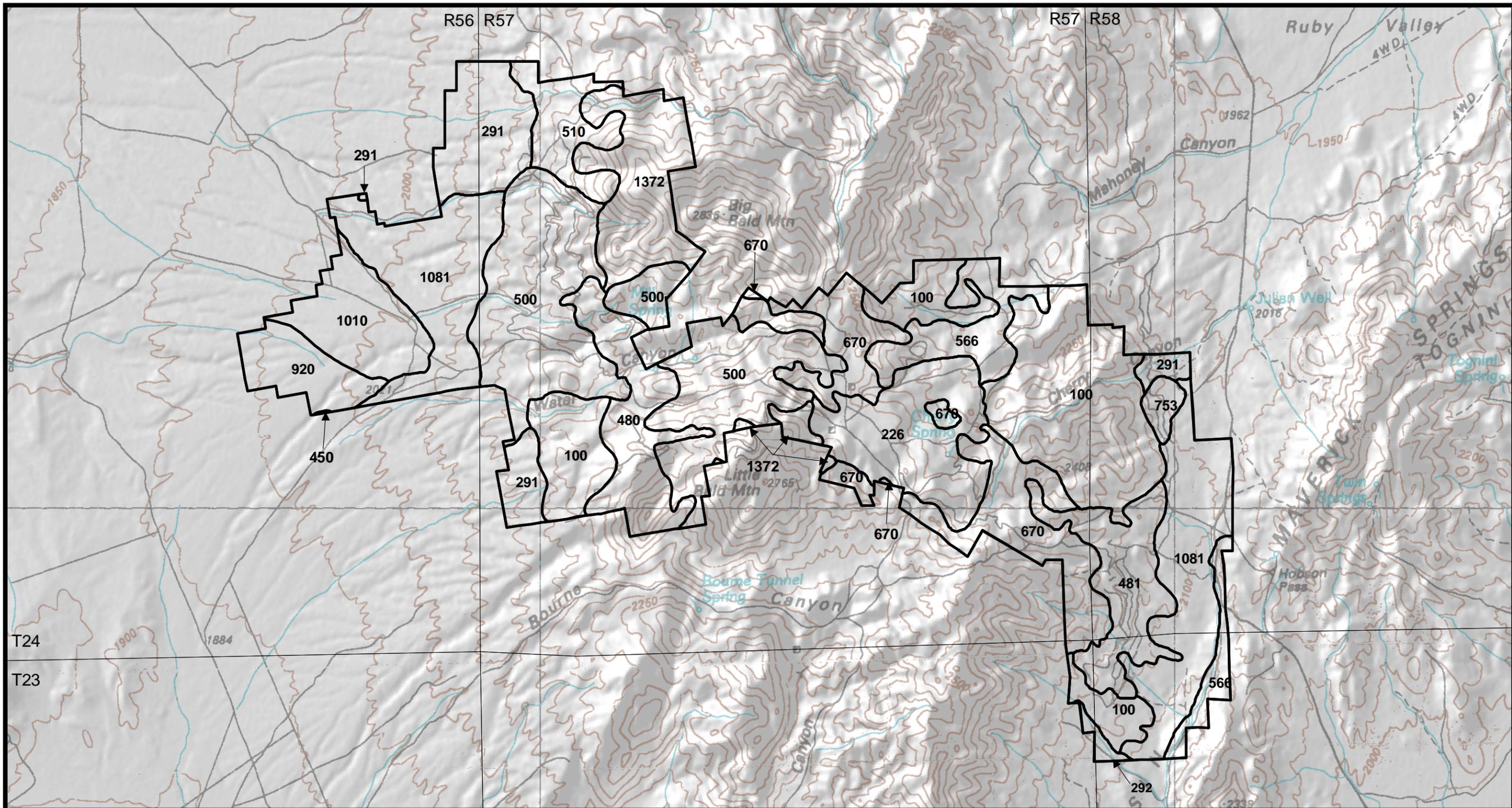
- North Operations Project Boundary
- ▲- Cumulative Assessment Study Area for Geology, Minerals, Paleontology, Noise and Vibration
- Magnitude 0 - .99
- Magnitude 1 - 1.99
- Magnitude 1.99 - 2.99
- Magnitude 2.99 - 3.99
- Magnitude 3.99 - 4.99
- Magnitude 4.99 - 5.99



1:480,000

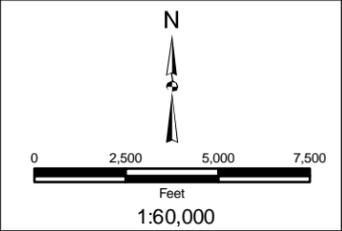
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 3-8
HISTORIC SEISMIC ACTIVITY**



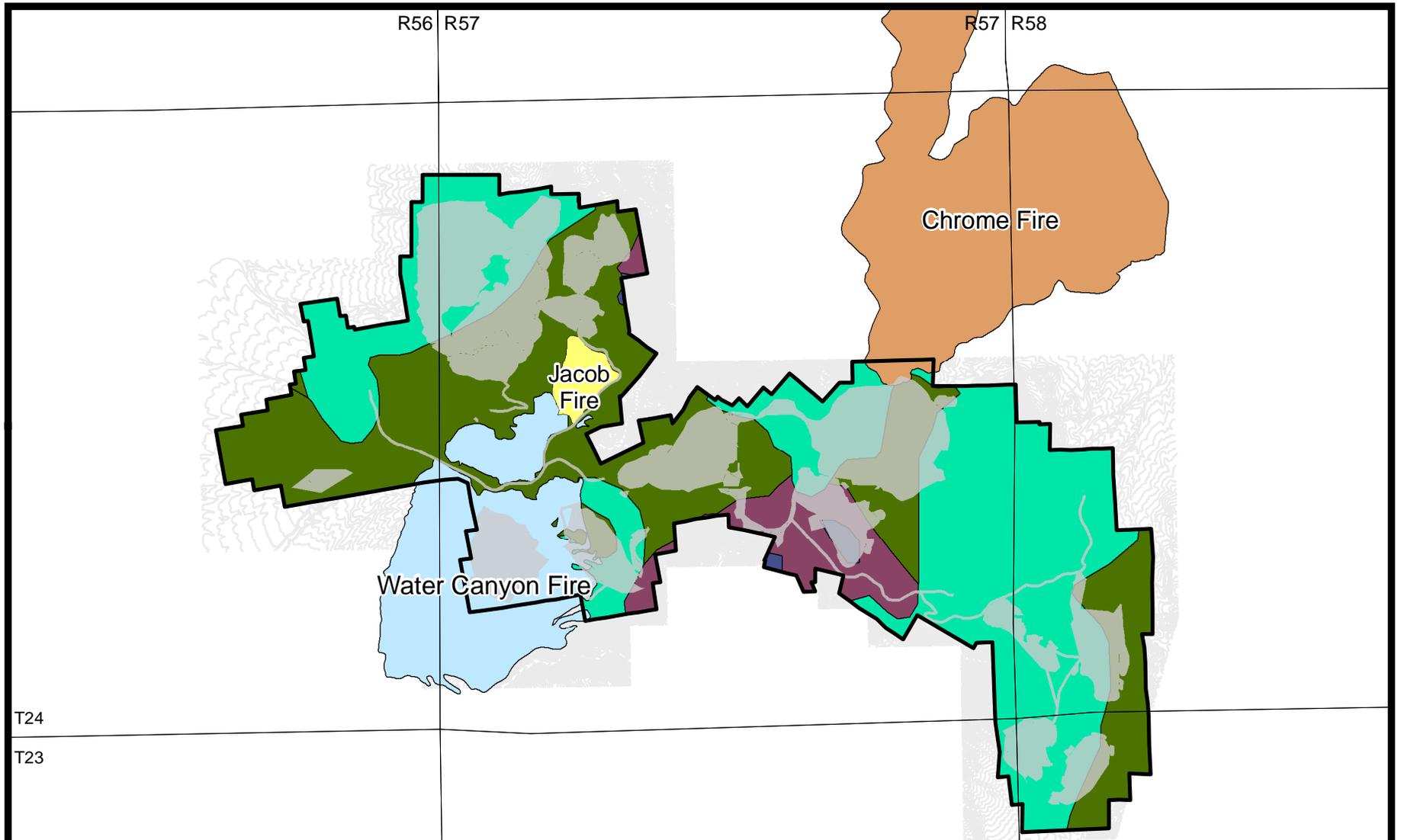
Legend
 — North Operations Project Boundary
 ~ Association Boundaries

- Soil Associations**
- | | |
|--------------------------------------|-----------------------------------|
| 100 = Pookaloo-Cavehill-Rock outcrop | 510 = Onkeyo-Cavehill Pookaloo |
| 226 = Hutchley-Tusel-Suak | 566 = McIvey-Segura-Cropper |
| 291 = Urmafot-Borvant-Biken | 670 = Cavehill-Grink-Rock Outcrop |
| 292 = Palinor-Urmafot | 753 = Upatad-Cropper-Atlow |
| 450 = Shabliss-Yody Association | 920 = Abgese-Yody-Shabliss |
| 480 = Pioche-Cropper | 1010 = Hunnton-Chiara |
| 481 = Pioche-Segura-Cropper | 1081 = Bobs-Fax-Parisa |
| 500 = Segura-McIvey-Hutchley | 1372 = Wardbay-Hardol-Adobe |



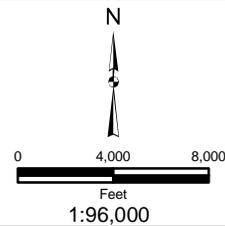
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**FIGURE 3-9
 SOIL MAP**



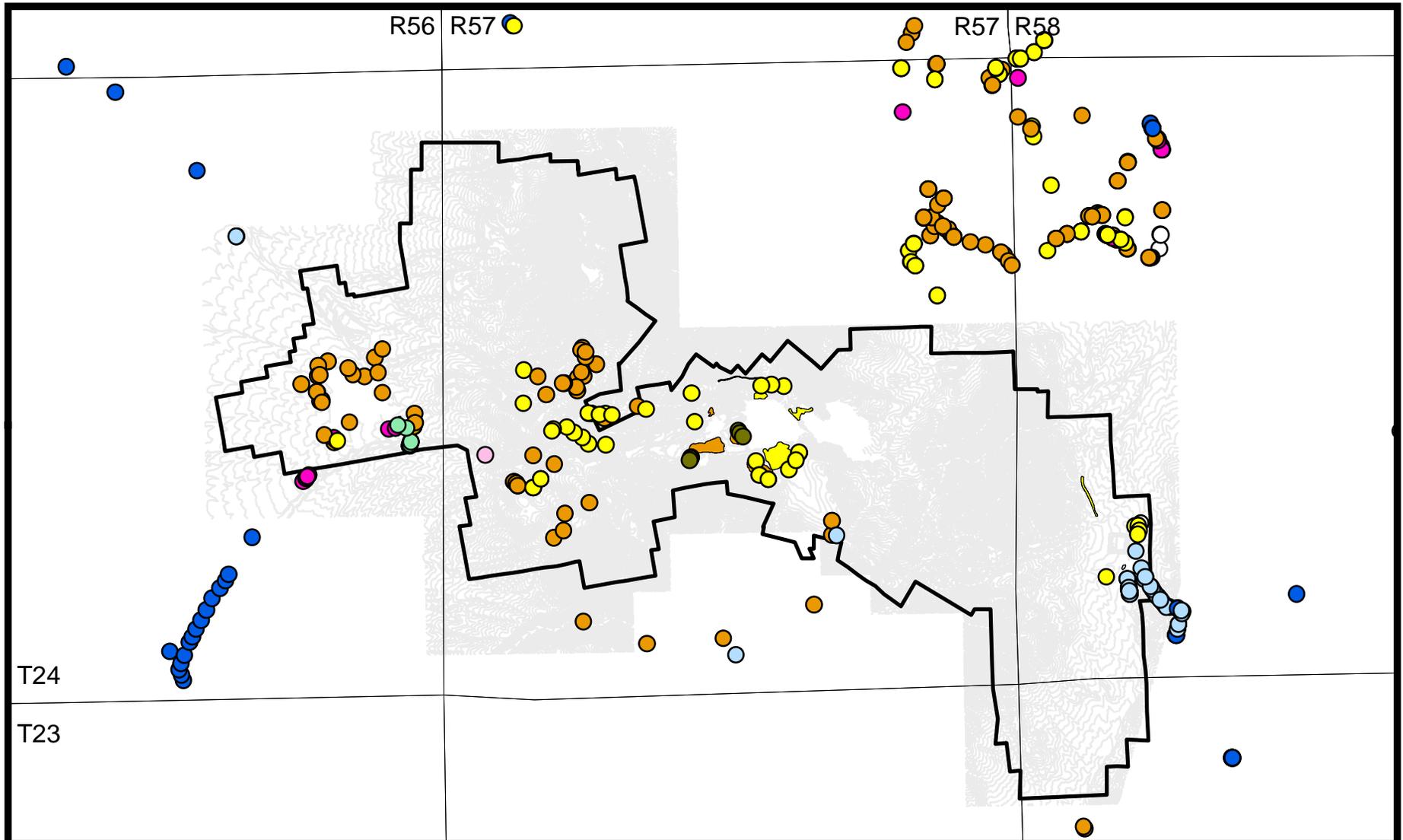
Legend

- North Operations Project Boundary
- Chrome Fire
- Jacob Fire
- Water Canyon Fire
- Proposed Disturbance Area
- Big Sagebrush Community
- Low Sagebrush Community
- Mountain Brush Community
- Pinyon-Juniper Community



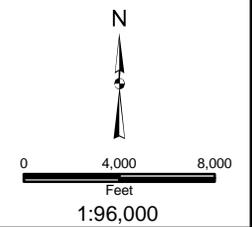
**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 3-10
VEGETATION COMMUNITIES**



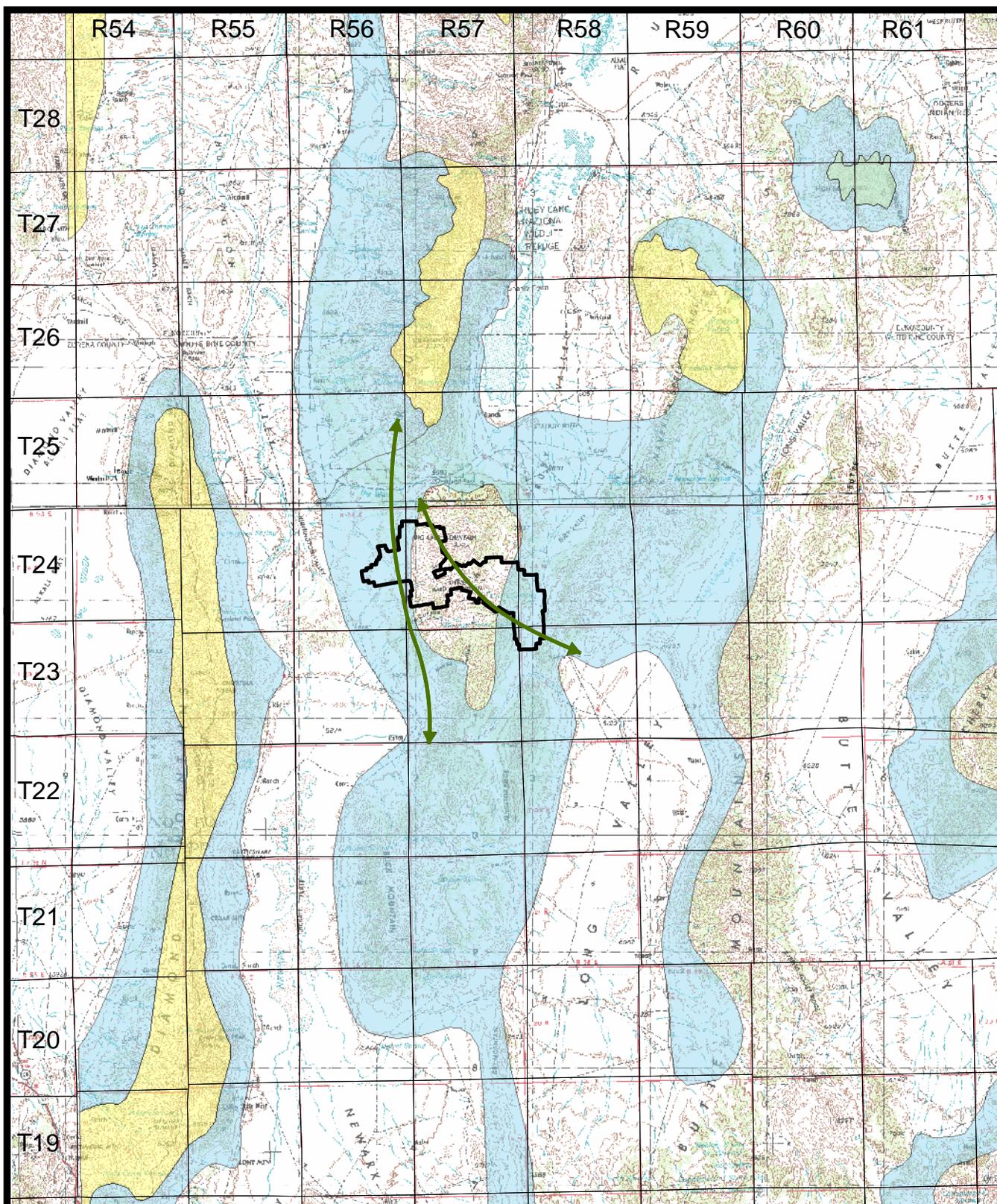
Legend

- | | |
|-----------------------------------|------------------|
| North Operations Project Boundary | Musk Thistle |
| Black Henbane | Russian Knapweed |
| Bull Thistle | Salt Cedar |
| Canada Thistle | Scotch Thistle |
| Whitetop/Hoary Cress | Spotted Knapweed |



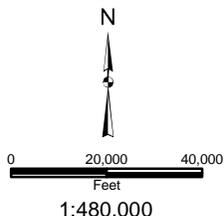
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NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 3-11
NON-NATIVE INVASIVE
SPECIES DISTRIBUTION**



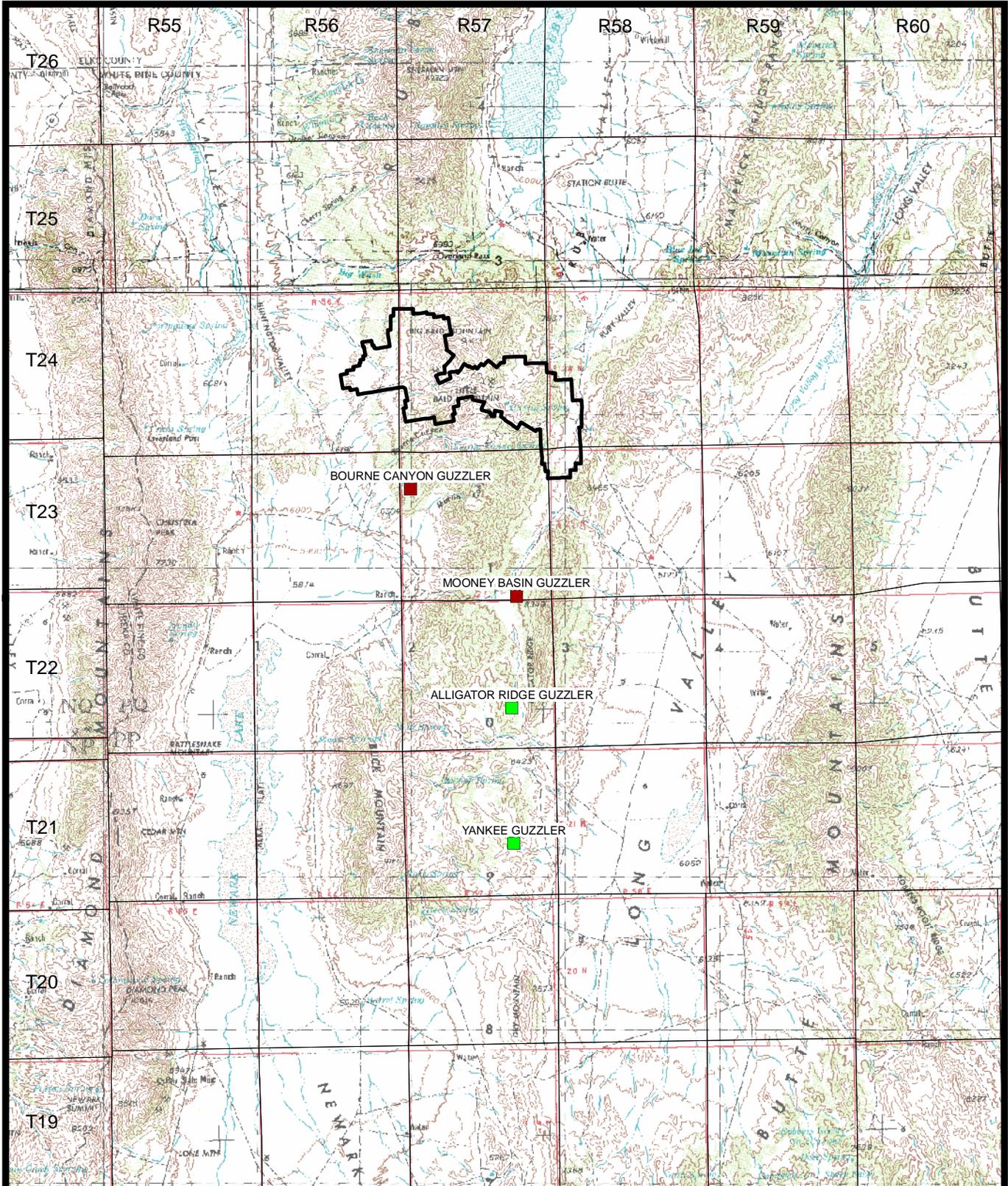
Legend

-  North Operations Project Boundary
-  Mule Deer Winter Range
-  Mule Deer Summer Range
-  Mule Deer Year Around Range
-  (Migration Corridor Location Varies Annually With Conditions)



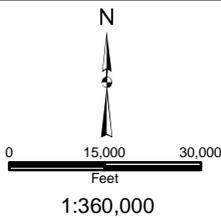
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**FIGURE 3-12
DEER SEASONAL RANGE AND
MIGRATION CORRIDORS**



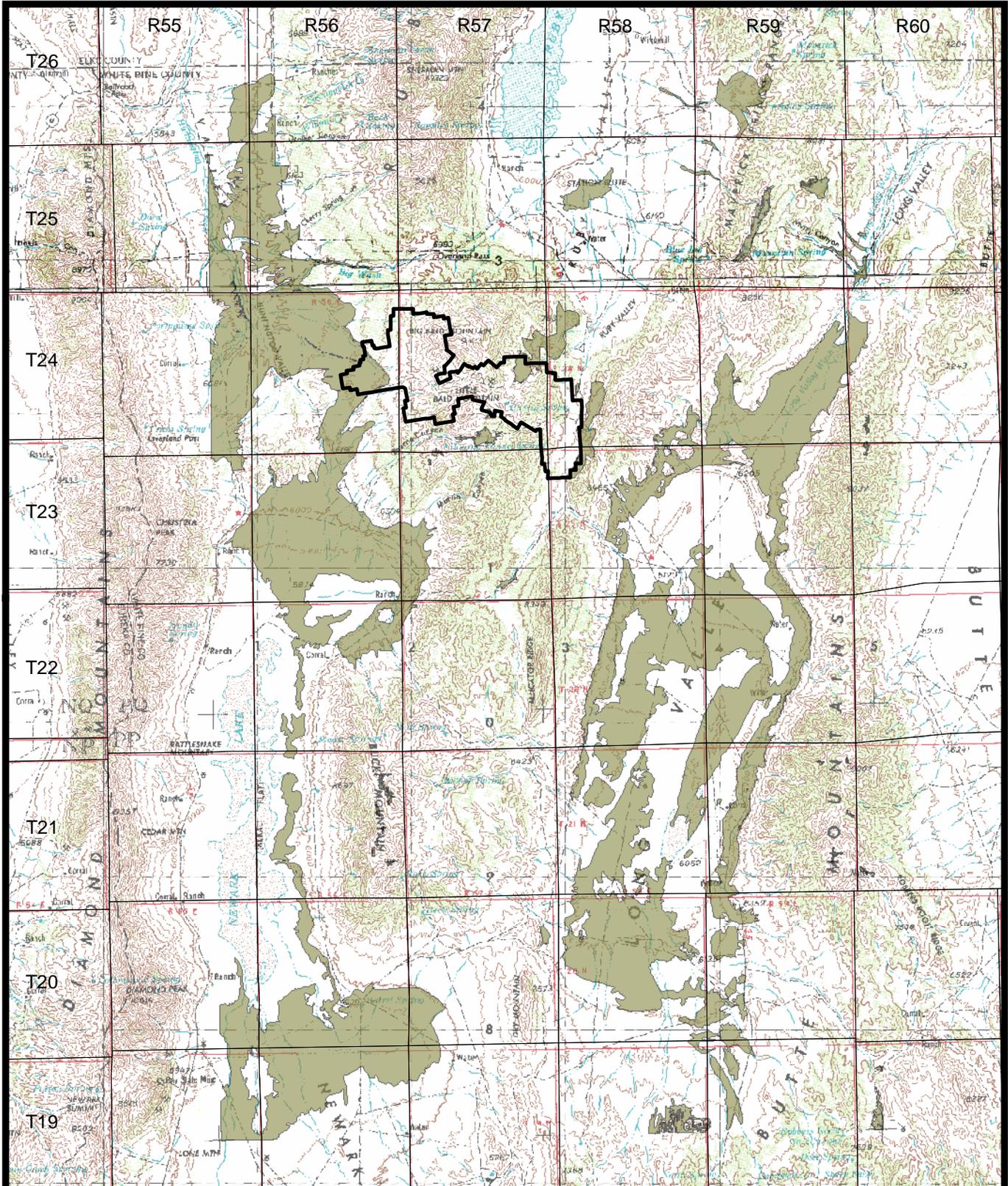
Legend

- North Operations Project Boundary
- Nevada Department of Wildlife Guzzler Locations
- Nevada Department of Wildlife Proposed Guzzler Locations



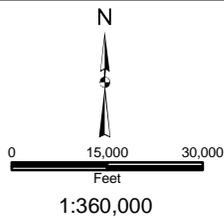
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**FIGURE 3-13
NDOW GUZZLER LOCATIONS**



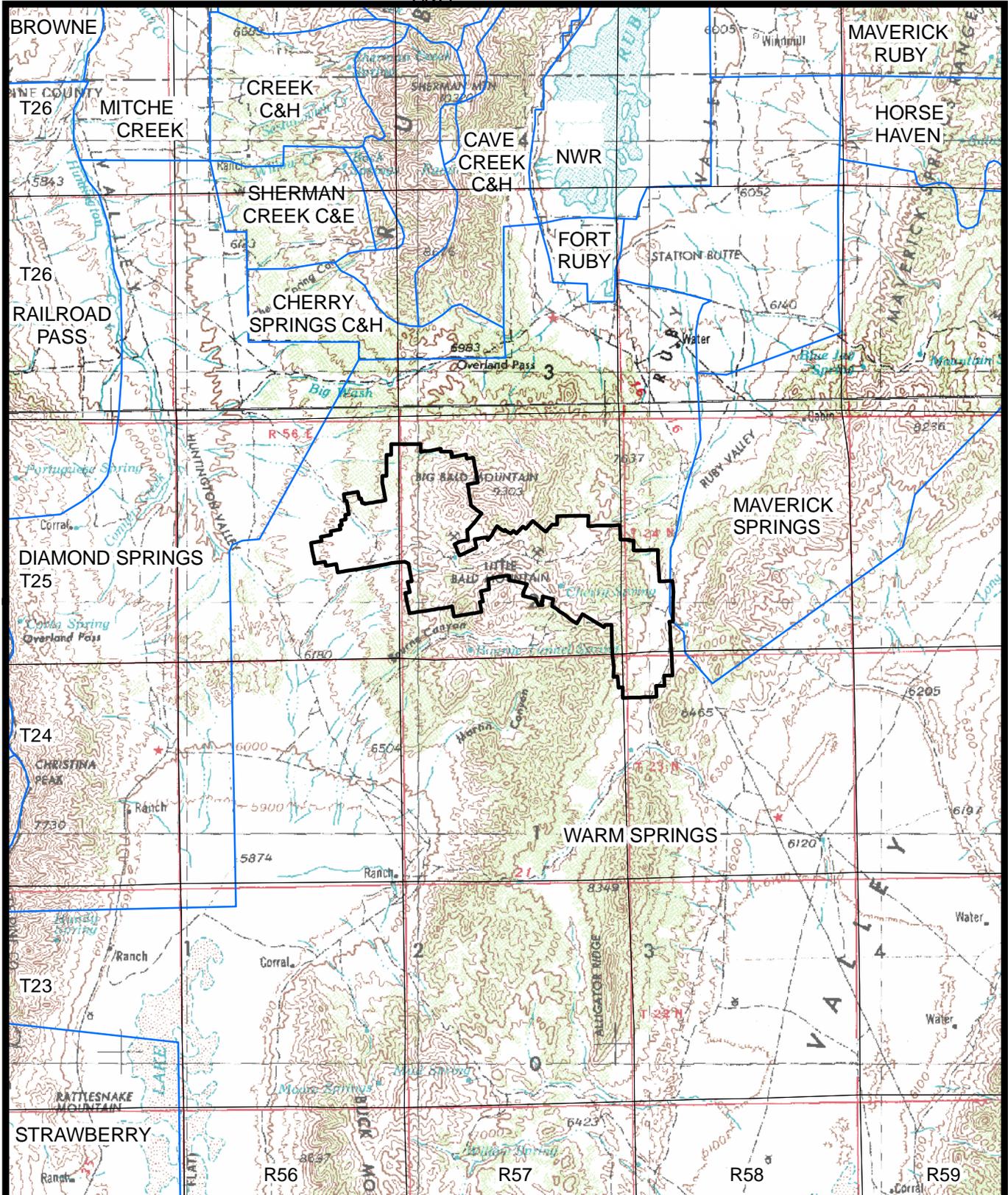
Legend

- North Operations Project Boundary
- Potential Pygmy Rabbit Habitat

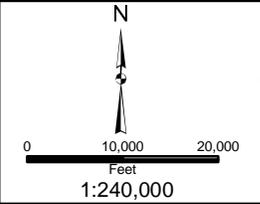


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**FIGURE 3-14
POTENTIAL PYGMY RABBIT HABITAT**

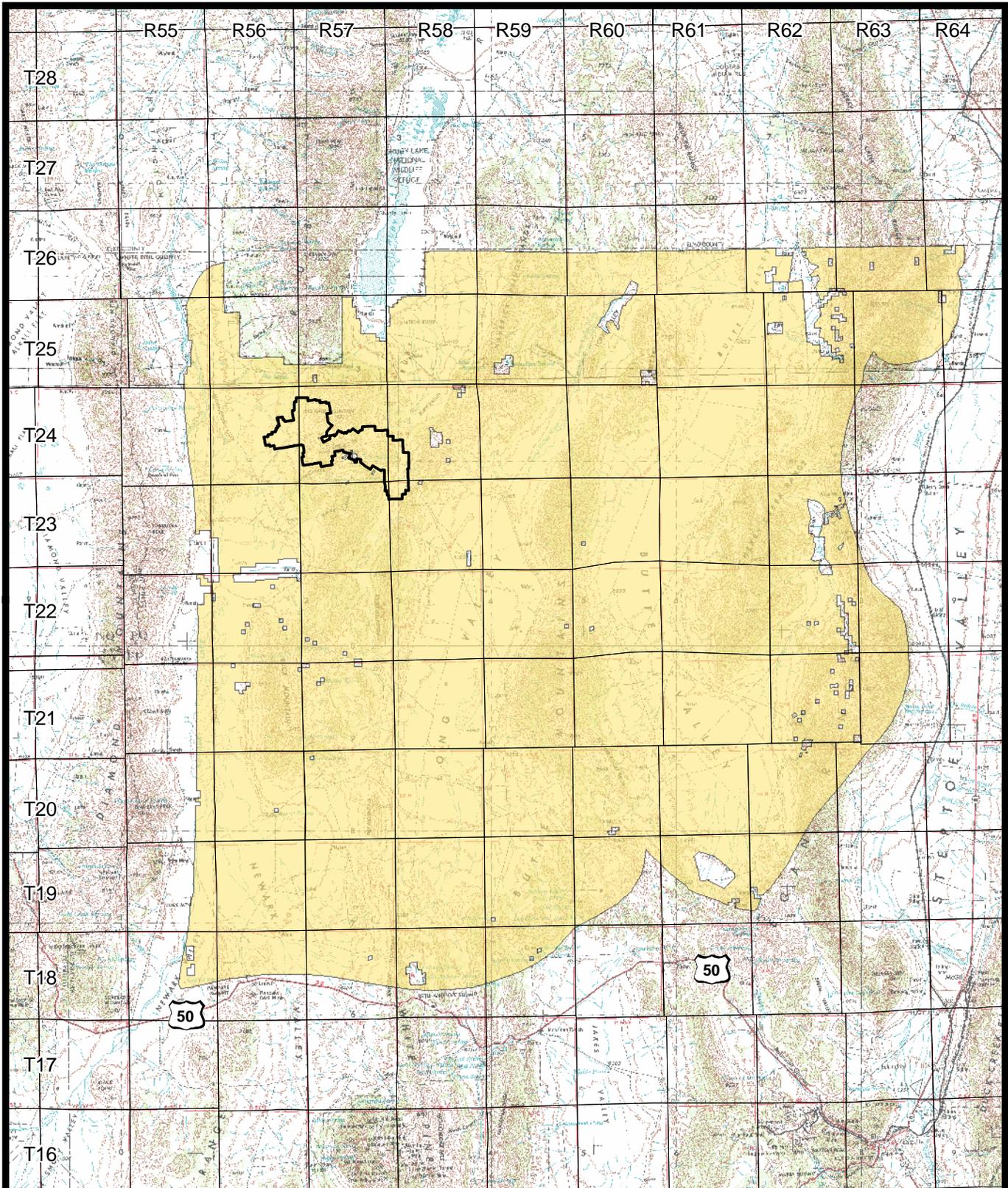


Legend
 — North Operations Project Boundary
 — Allotment Boundaries



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**FIGURE 3-15
 GRAZING ALLOTMENTS**



Legend

— North Operations Project Boundary

Herd Management Area

■ Triple B

N



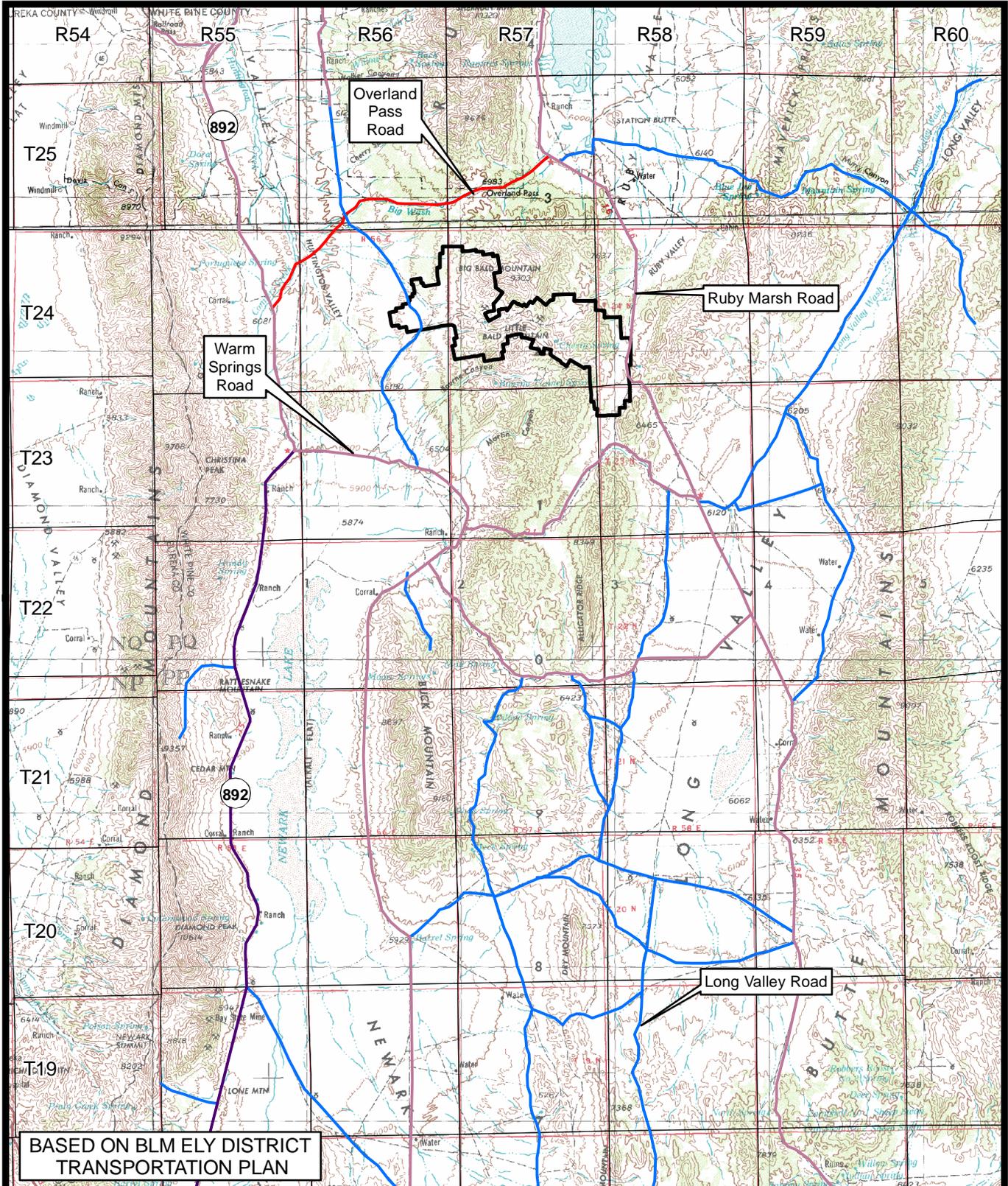
0 25,000 50,000

Feet

1:600,000

**BALD MOUNTAIN MINE
NORTH OPERATIONS AREA PROJECT FEIS**

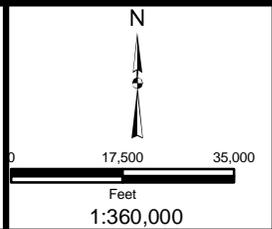
**FIGURE 3-16
WILD HORSE HERD
MANAGEMENT AREAS**



BASED ON BLM ELY DISTRICT
TRANSPORTATION PLAN

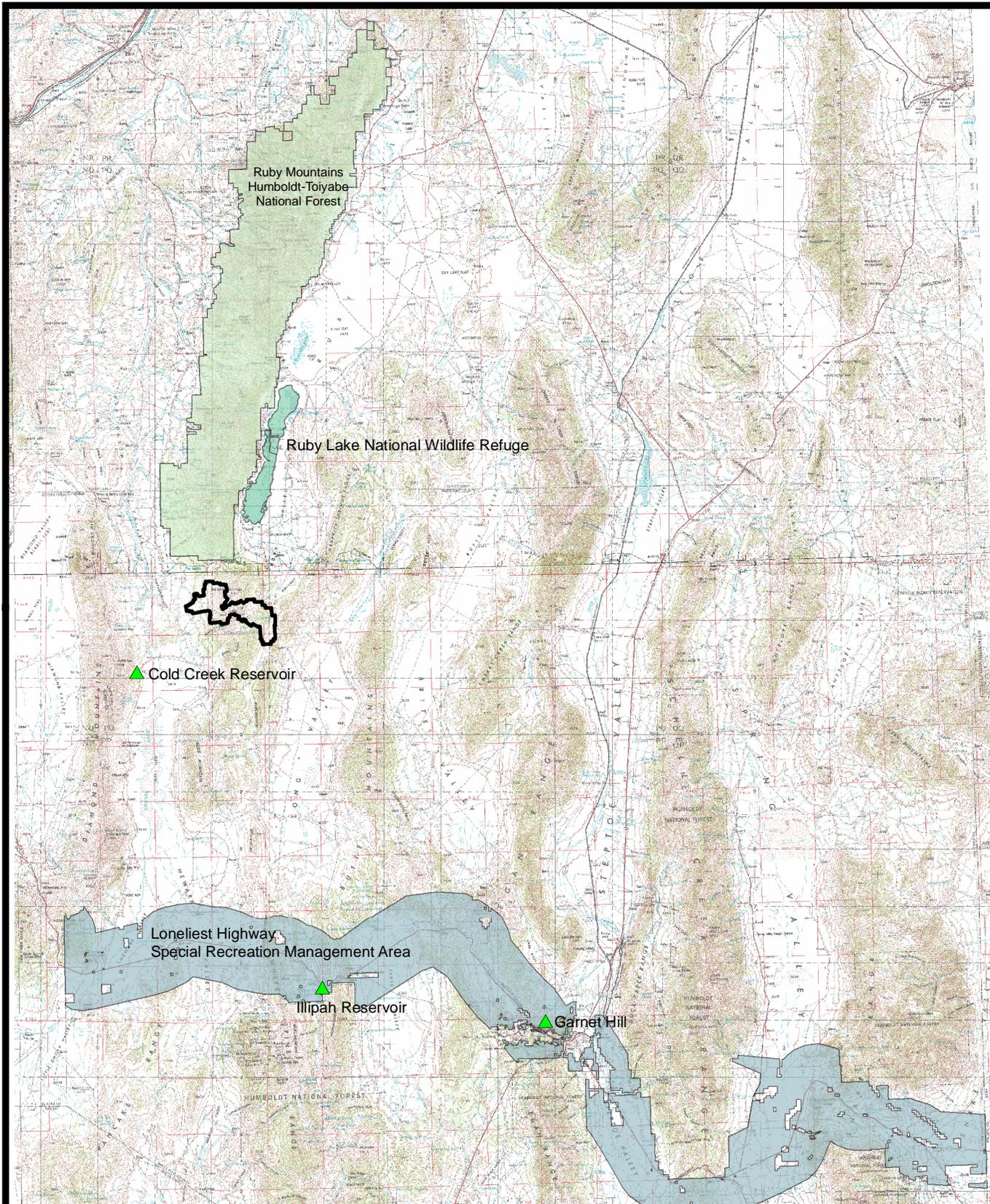
Legend

- White Pine County
- State
- BLM
- BLM and County
- North Operations Project Boundary



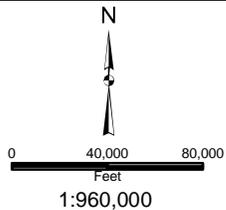
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**FIGURE 3-17
ROAD MAINTENANCE
RESPONSIBILITIES**



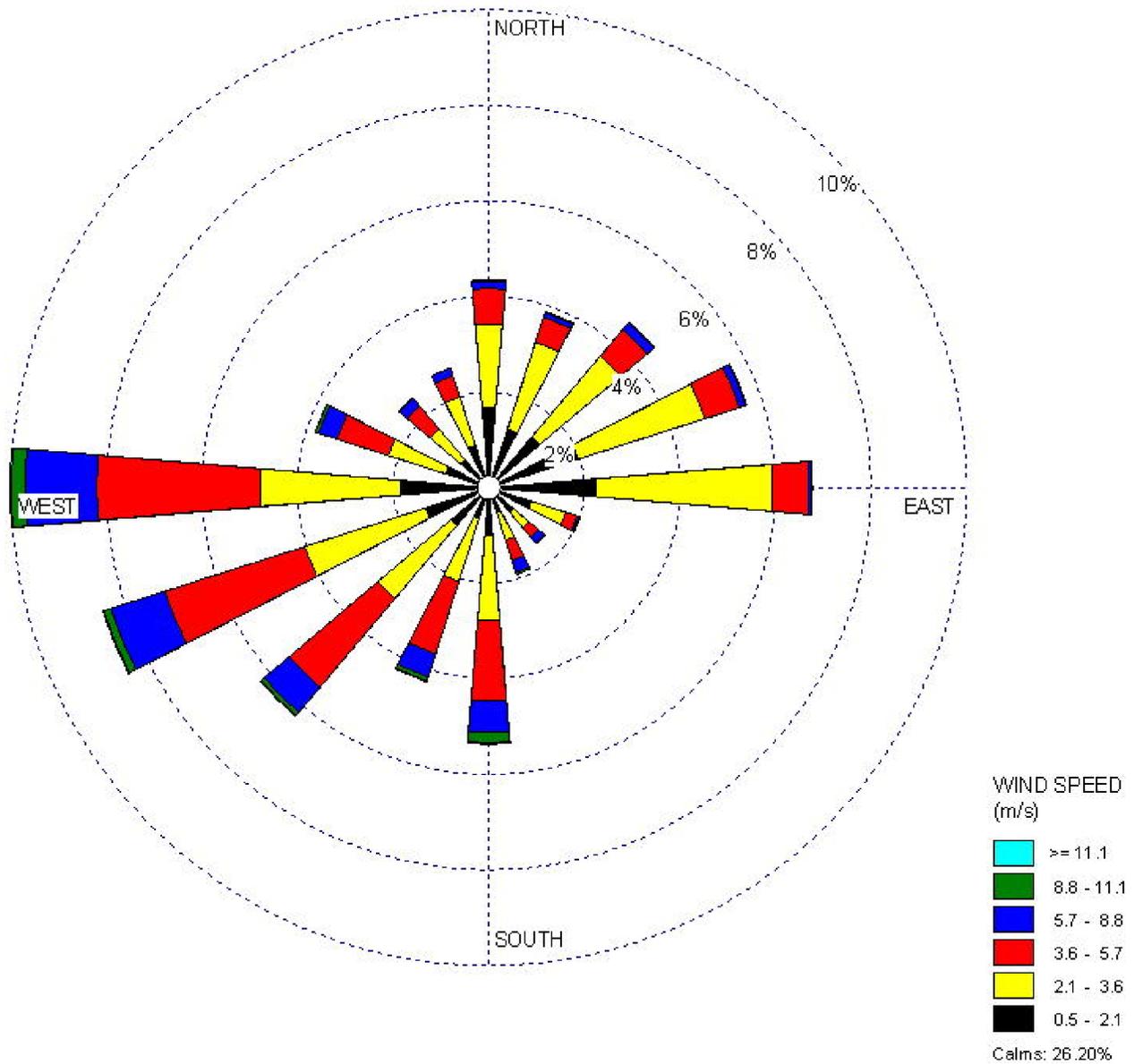
Legend

-  North Operations Project Boundary
-  Recreation Areas
-  Ruby Mountains H-T National Forest
-  Special Recreation Management Area
-  Ruby Lake National Wildlife Refuge



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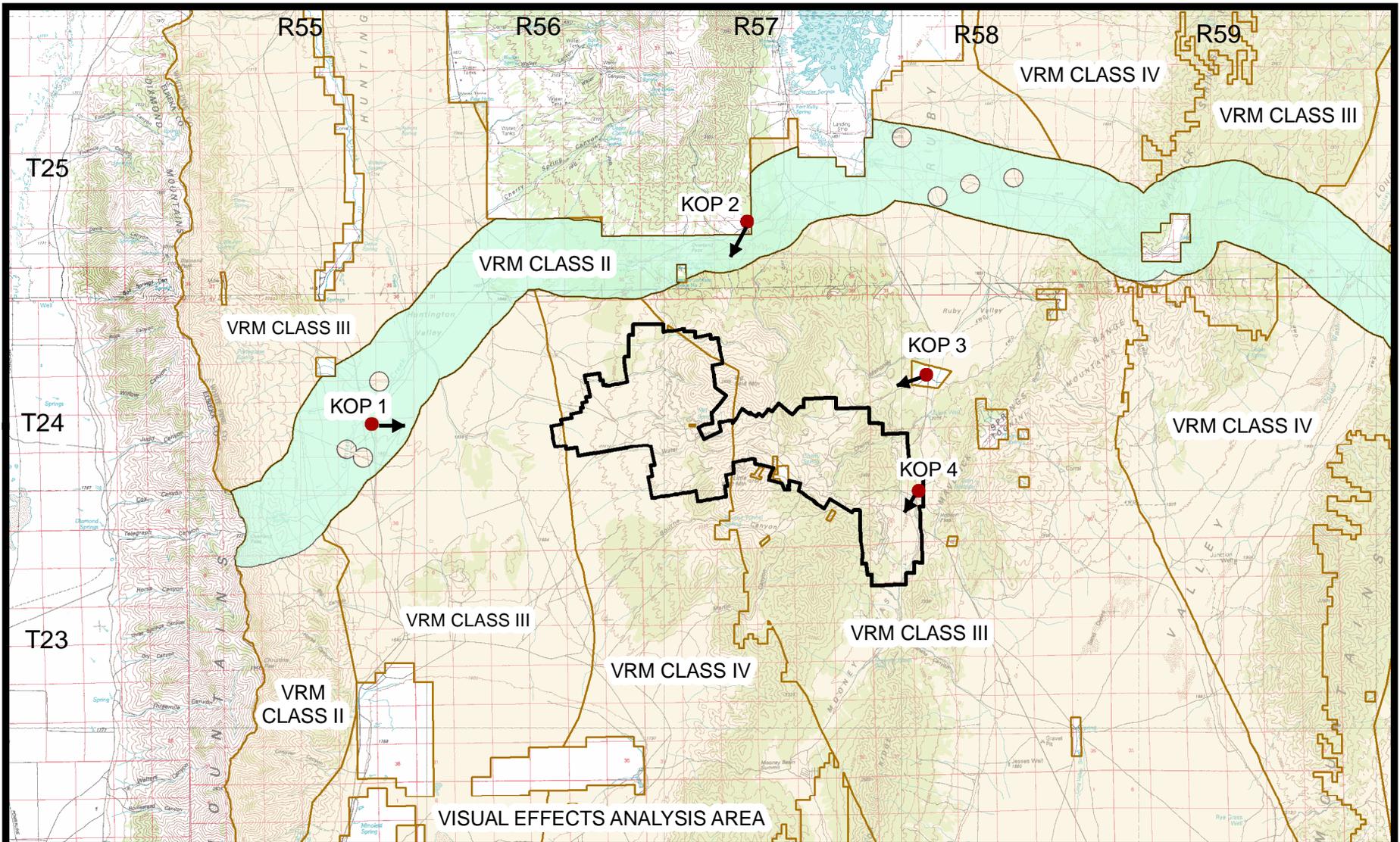
**FIGURE 3-18
RECREATION AREAS**



NOTE: DATA FROM ELKO AIRPORT NWS ELKO, NV
6.1-METER LEVEL WINDROSE, 1986-1990

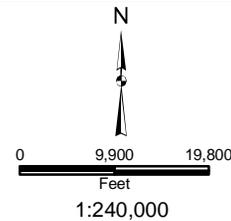
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FIGURE 3-19
WINDROSE CHART



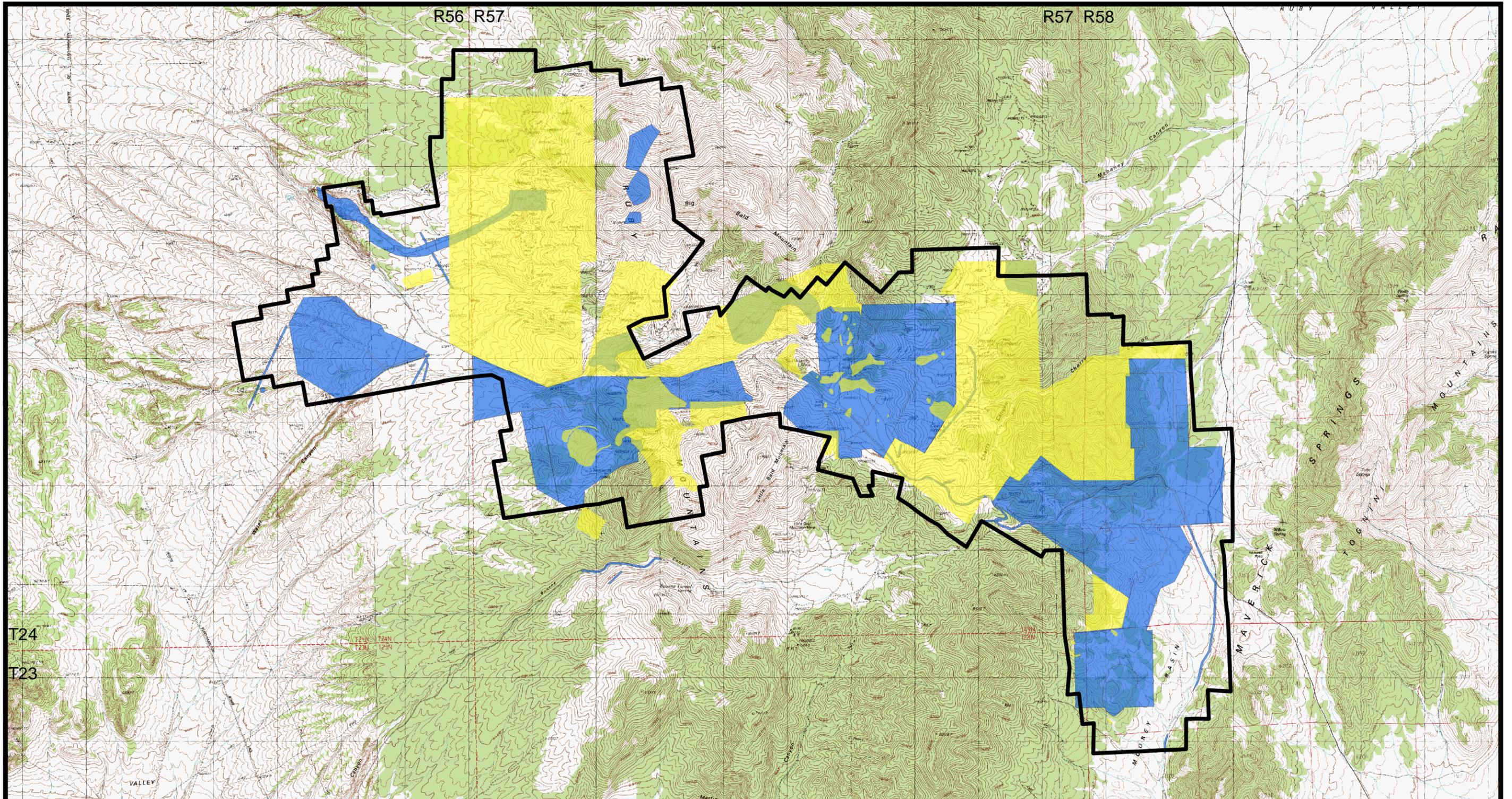
Legend

- North Operations Project Boundary
- KOP: Key Observation Point (Arrow Indicates Direction of View)
- ▭ Visual Study Area
- ▭ Class II Corridor Pony Express Trail

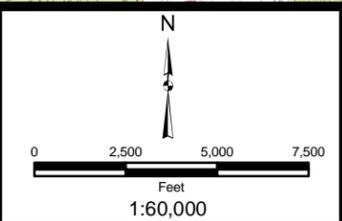


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**FIGURE 3-20
VISUAL RESOURCES STUDY AREA
AND KEY OBSERVATION POINTS**

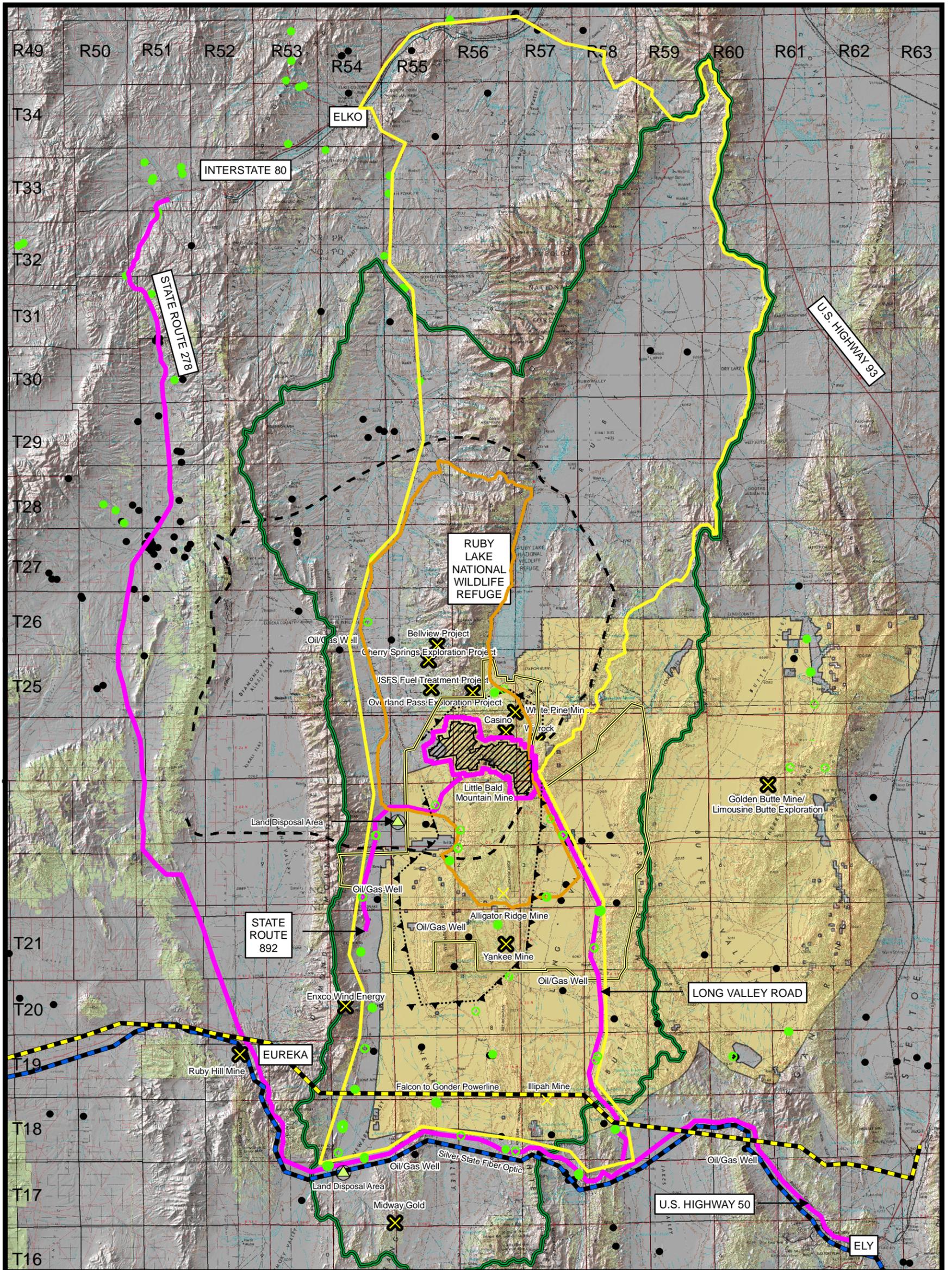


- Legend**
- North Operations Project Boundary
 - Surveys less than 10 Years Old
 - Surveys greater than 10 Years Old



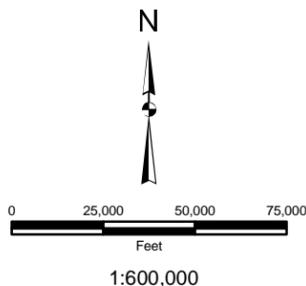
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**FIGURE 3-21
CULTURAL RESOURCES**



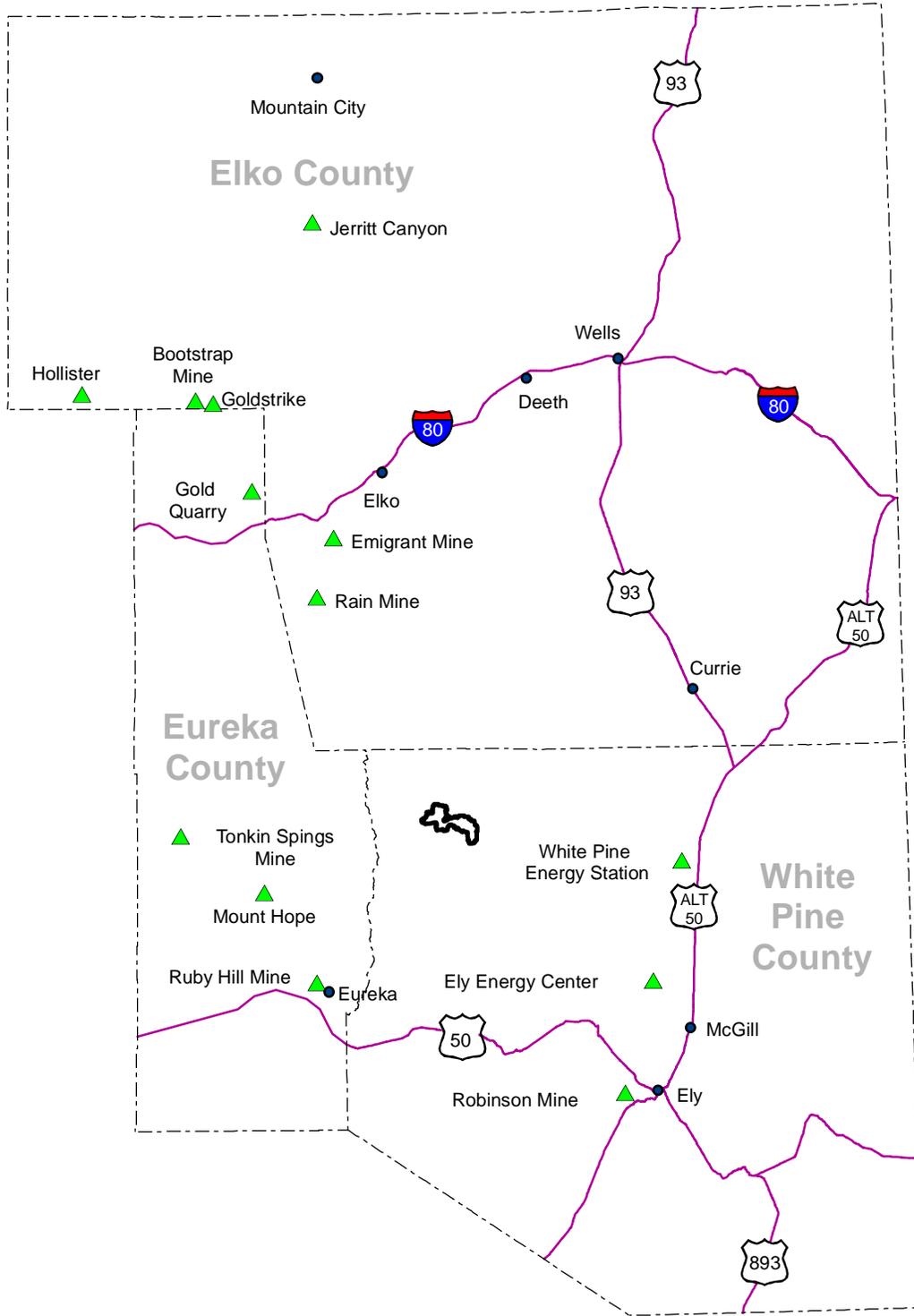
Legend

- Gravel Pits
- Past and Present Oil/Gas Wells
- ⊗ Past, Present, Reasonably Foreseeable Projects
- ⊙ Land Disposal Area
- North Operations Project Boundary
- Falcon to Gonder Powerline Corridor
- Silver State Fiber Optic Corridor
- Cumulative Effects Study Area for Range
- Cumulative Effects Study Area for Hazardous and Solid Waste Materials
- Cumulative Effects Study Area for Visual, Recreation, Land Use/Access
- Cumulative Effects Study Area for Cultural Resources
- Cumulative Effects Study Area for Wild Horses
- Cumulative Effects Study Area for Air Quality, Water Resources, Non-Native Invasive Species, Vegetation, and Soils
- Cumulative Effects Study Area for Geology, Minerals, Paleontology, Noise, and Vibration
- Cumulative Effects Study Area for Wildlife Resources



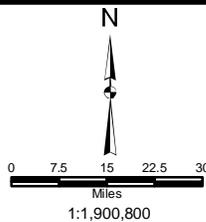
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**FIGURE 4-1
CUMULATIVE EFFECTS
STUDY AREA**



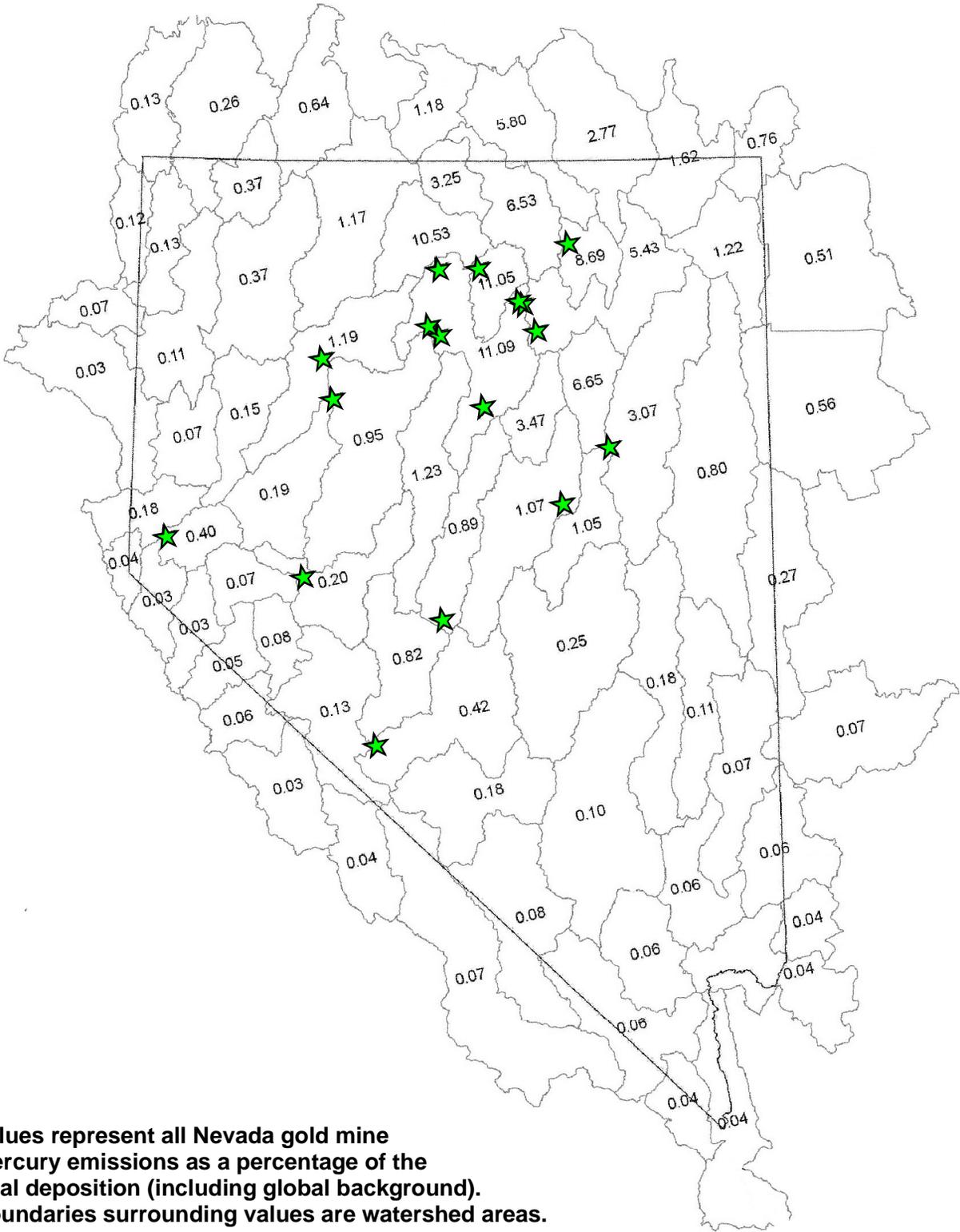
Legend

- ▲ Project Location
- North Operations Project Boundary

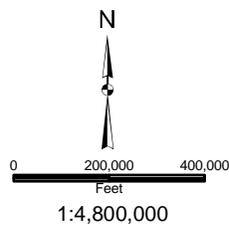


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**FIGURE 4-2
SOCIOECONOMIC CUMULATIVE
EFFECTS STUDY AREA**



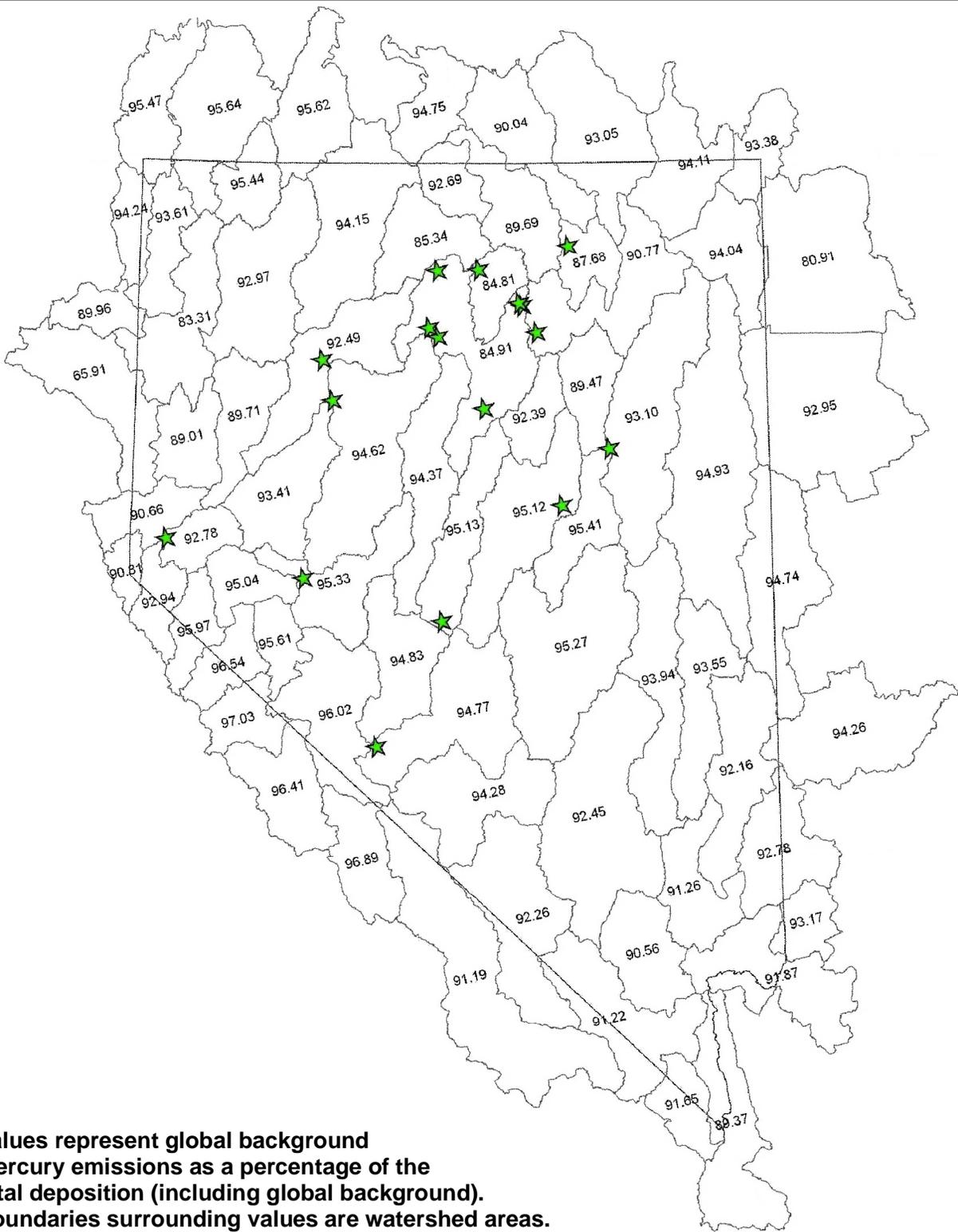
Legend
 ★ ALL GOLD MINES



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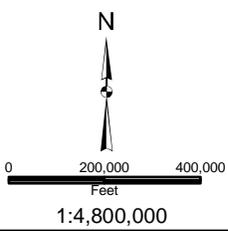
**FIGURE 4-4
 Mercury Deposition Contributions to
 Watershed from All Nevada Gold Mines
 (Percent of Total)**

SOURCE: AIR SCIENCES, 2008



Values represent global background mercury emissions as a percentage of the total deposition (including global background). Boundaries surrounding values are watershed areas.

Legend
 ★ GLOBAL BACKGROUND



SOURCE: AIR SCIENCES, 2008

**BALD MOUNTAIN MINE
 NORTH OPERATIONS AREA PROJECT FEIS**

**FIGURE 4-5
 Mercury Deposition Contributions to
 Watershed from Global Background
 (Percent of Total)**