

**A**

# Helen Mine Photographs

HELEN MERCURY MINE  
Lake County, California

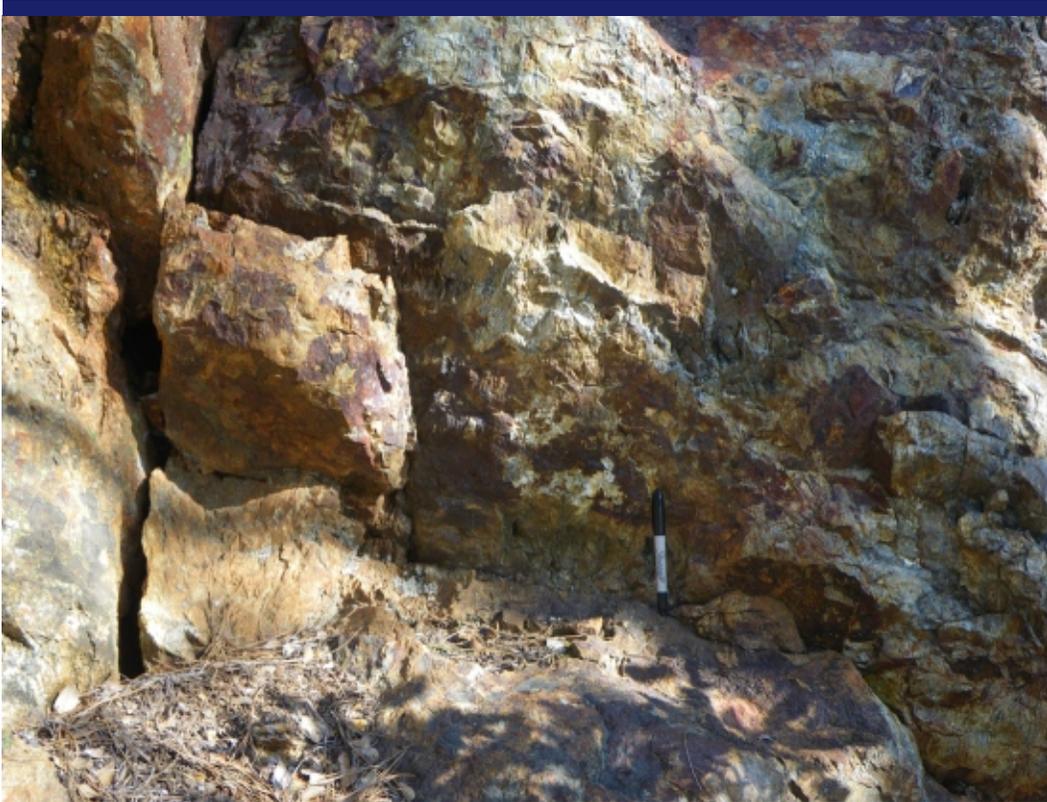


Photo 1 Location of background sample 01HM-BG.

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*Direction: Southwest*

*Photographed By: Rebecca Jarvis*

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Photo 2 Location of background sample 02HM-BG.

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*Direction: Southwest*

*Photographed By: Rebecca Jarvis*

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Photo 3 Collecting sample 01HM-SD at the main adit.

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*Direction: South*

*Photographed By: Rebecca Jarvis*

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Photo 4 Collecting sample 01HM-SD at the main adit.

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*Direction: South*

*Photographed By: Rebecca Jarvis*

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Photo 5 Looking down the southern disturbed area to the lower seep.

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*Direction: Northeast*

*Photographed By: Courtney Funk*

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Photo 6 Looking up Helen Mine Tributary from the location of 02HM-SD.

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*Direction: Southwest*

*Photographed By: Courtney Funk*

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Photo 7 Outcrop of hydrothermally altered serpentinite next to location of 01HM-BG.

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*Direction: Southwest*

*Photographed By: Courtney Funk*

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Photo 8 Looking down the drainage channel in the middle of the southern disturbed area. (Collecting sample 07HM-SS).

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*Direction: Northeast*

*Photographed By: Courtney Funk*

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Photo 9 Overview of southern disturbed area at Helen Mine.

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*Direction: West*

*Photographed By: Andrew Uhrig*

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Photo 10 Soil boring 08HM-SB was installed at the top of ramp. Serpentinite was identified down to 30 feet below ground surface.

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*Direction: West*

*Photographed By: Andrew Uhrig*

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Photo 11 Soil sample 07HM-SS collected from the material in the bottom of the valley indicated elevated levels of mercury.

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*Direction: West*

*Photographed By: Andrew Uhrig*

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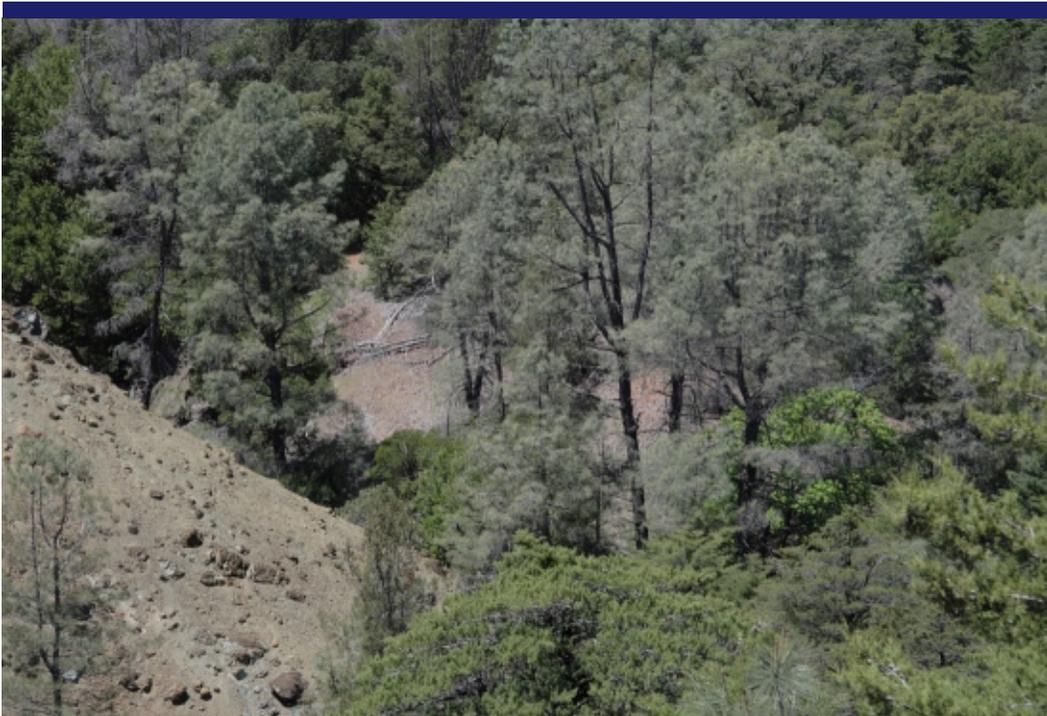


Photo 12 Red-brown colored soil is the middle tailings pile.

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*Direction: Northwest*

*Photographed By: Andrew Uhrig*

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Photo 13 Location of soil boring 08HM-SB.

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*Direction: Northeast*

*Photographed By: Andrew Uhrig*

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Photo 14 Debris present at the wash that originates from the main adit.

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*Direction: Southeast*

*Photographed By: Andrew Uhrig*

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Photo 15 Yellow Boy is present in the wash that originates from the main adit.

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*Direction: East*

*Photographed By: Andrew Uhrig*

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Photo 16 Yellow Boy is present at the bottom of the wash between the two ridges at the southern disturbed area.

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*Direction: Northeast*

*Photographed By: Andrew Uhrig*

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Photo 17 Fine gray drill cuttings at soil boring 08HM-SB are indicators of drilling in serpentinite bedrock.

*Direction: East*

*Photographed By: Andrew Uhrig*

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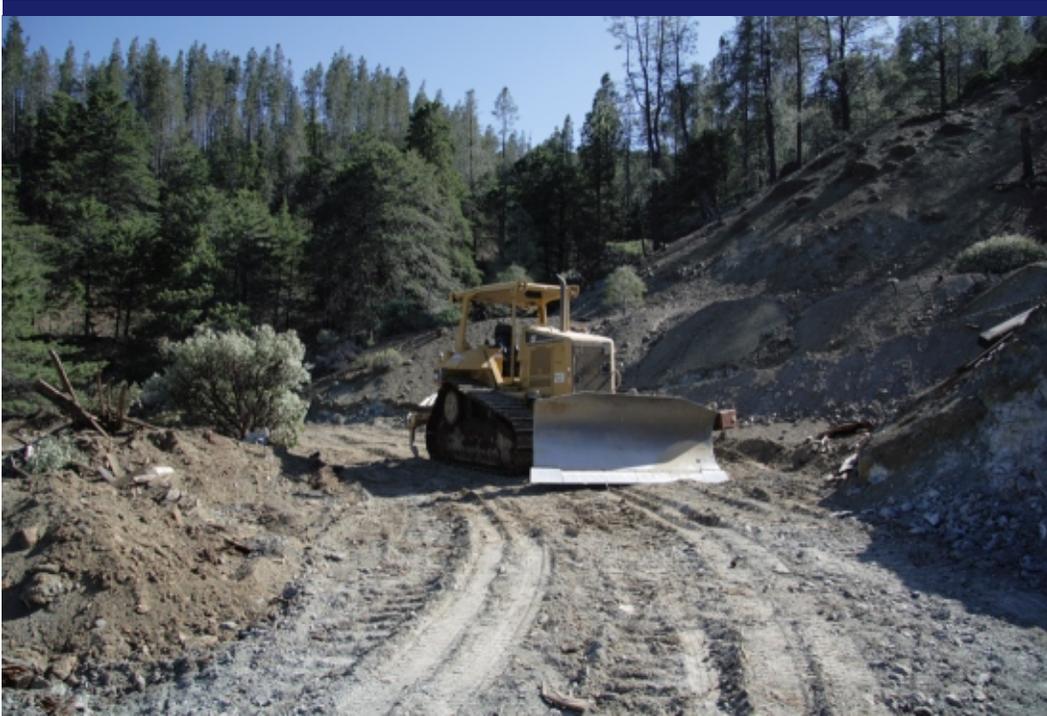


Photo 18 A bulldozer was used to restore the old mining roads at the site.

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*Direction: South*

*Photographed By: Andrew Uhrig*

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Photo 19 Soil boring 02HM-SB was installed at the top of the northern tailings pile.

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*Direction: North*

*Photographed By: Andrew Uhrig*

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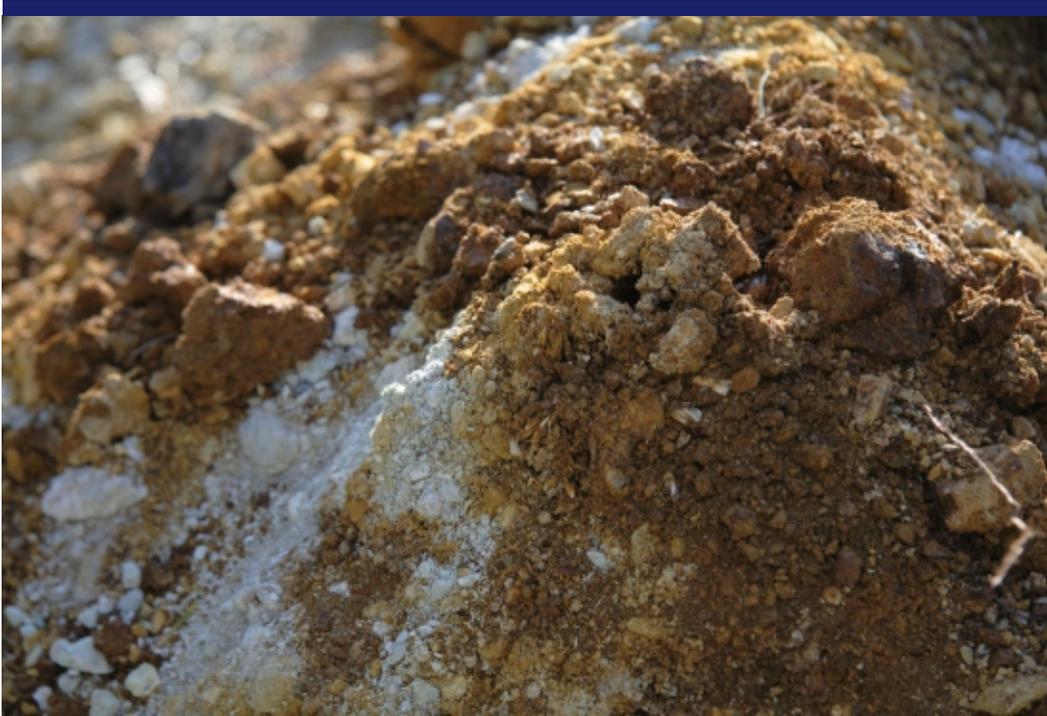


Photo 20 Close-up view of the "cooked" tailings.

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*Direction: North*

*Photographed By: Andrew Uhrig*

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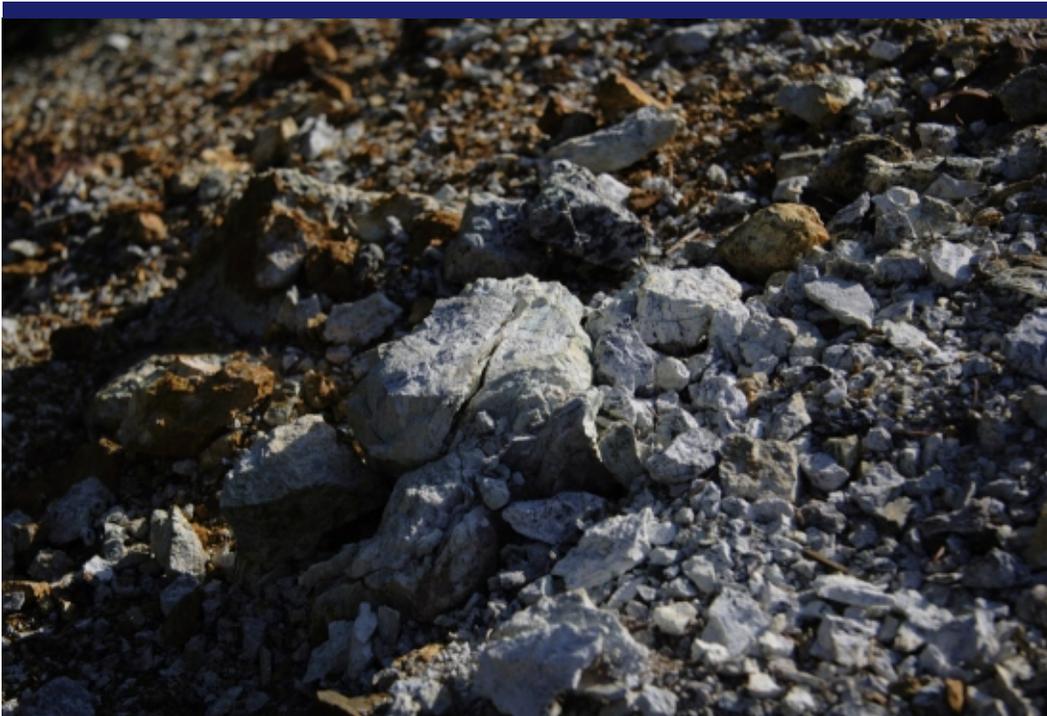


Photo 21 Close-up view of the "cooked" tailings.

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*Direction: North*

*Photographed By: Andrew Uhrig*

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Photo 22 Serpentinite at the bottom of this soil core indicates the tailings - native material interface.

*Direction: North*

*Photographed By: Andrew Uhrig*



Photo 23 Location of soil boring/monitoring well 04HM-MW.

*Direction: Northeast*

*Photographed By: Andrew Uhrig*

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Photo 24 Location of soil boring 07HM-MWa.

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*Direction: Southeast*

*Photographed By: Andrew Uhrig*

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Photo 25 Location of soil boring 07HM-MWb.

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*Direction: West*

*Photographed By: Andrew Uhrig*

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Photo 26 Source of the seep present at the bottom of the southern disturbed area.

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*Direction: North*

*Photographed By: Andrew Uhrig*

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Photo 27 Location of monitoring well 01HM-MW.

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*Direction: West*

*Photographed By: Andrew Uhrig*

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Photo 28 Location of monitoring well 04HM-MW.

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*Direction: Northeast*

*Photographed By: Andrew Uhrig*

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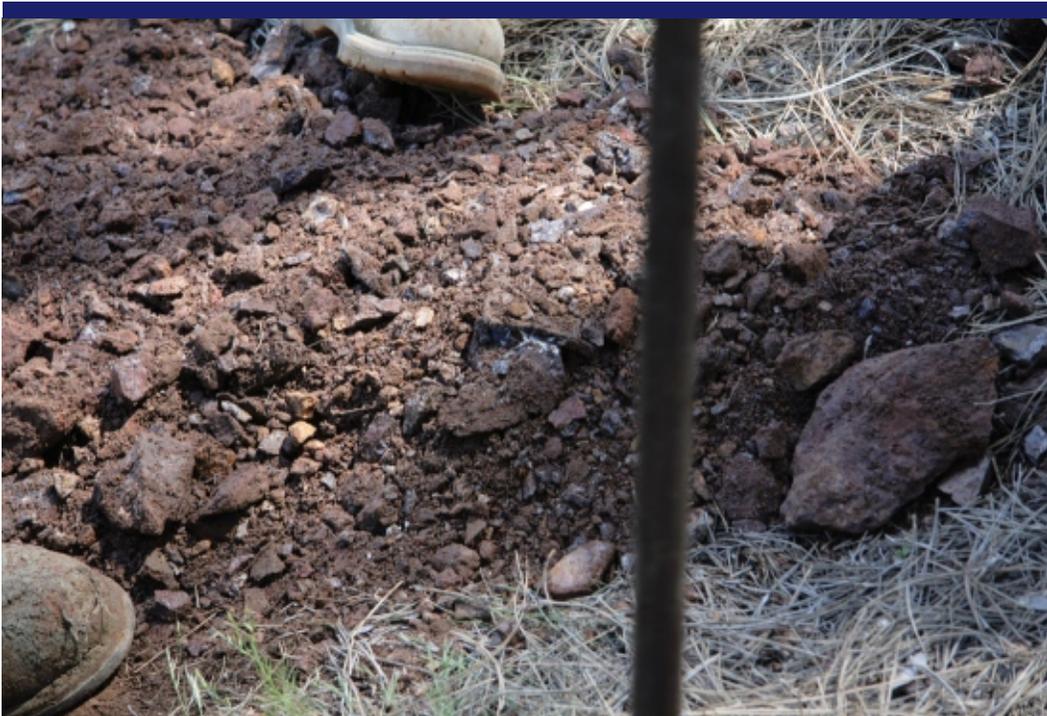


Photo 29 Hand auger cuttings from soil boring 05HM-SB.

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*Direction: East*

*Photographed By: Andrew Uhrig*

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Photo 30 Middle tailings pile.

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*Direction: Southwest*

*Photographed By: Andrew Uhrig*

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Photo 31 Middle tailings pile.

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*Direction: Northeast*

*Photographed By: Andrew Uhrig*

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Photo 32 Area where rusted "Storage Tanks" are present.

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*Direction: Southwest*

*Photographed By: Andrew Uhrig*

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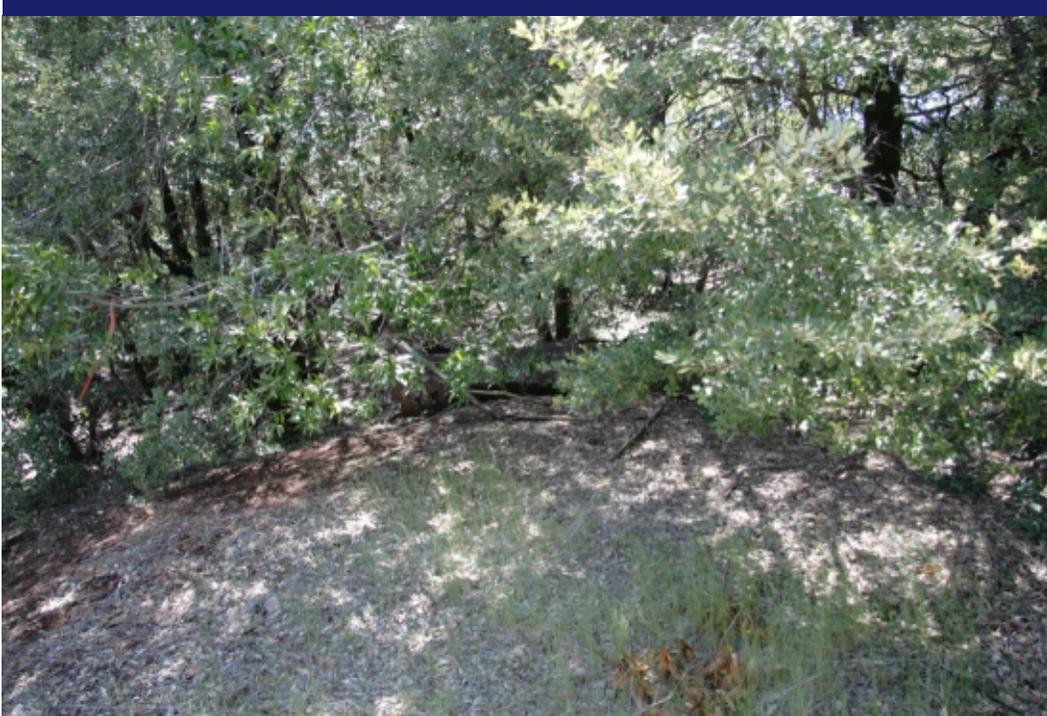


Photo 33 Area where rusted "Storage Tanks" are present.

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*Direction: Southwest*

*Photographed By: Andrew Uhrig*

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Photo 34 Area where rusted "Storage Tanks" are present.

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*Direction: East*

*Photographed By: Andrew Uhrig*

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Photo 35 Area where rusted "Storage Tanks" are present.

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*Direction: North*

*Photographed By: Andrew Uhrig*

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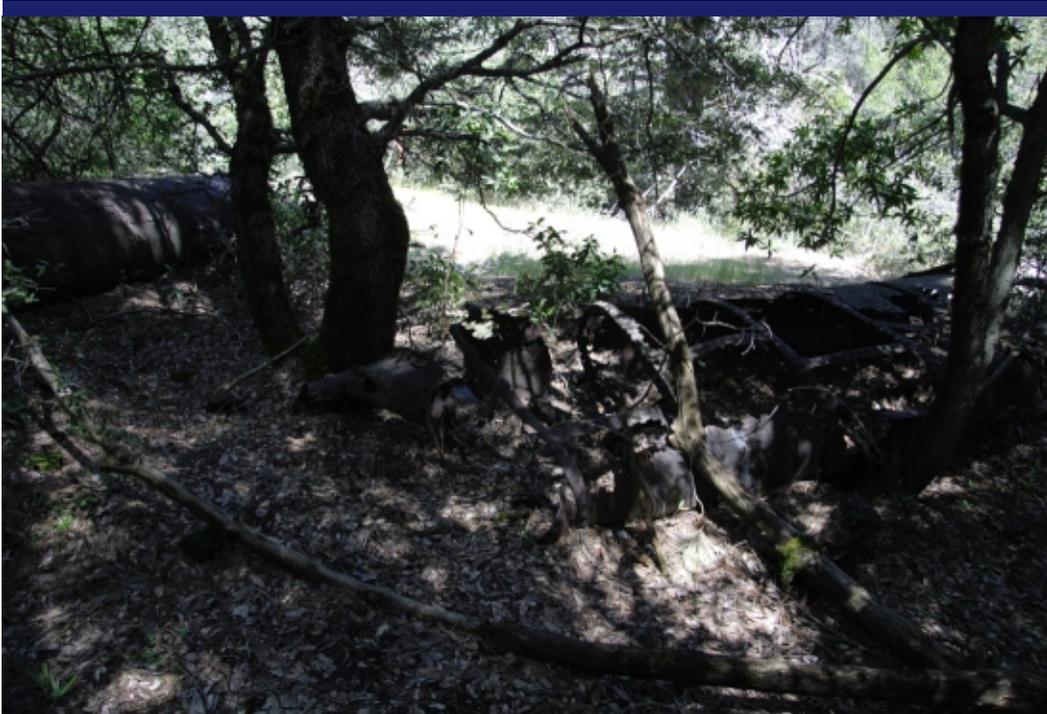


Photo 36 Area where rusted "Storage Tanks" are present.

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*Direction: North*

*Photographed By: Andrew Uhrig*

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Photo 37 Small brick furnace was used to retort creosote/cake that would form in the chimneys to the main rotary furnace.

*Direction: East*

*Photographed By: Andrew Uhrig*

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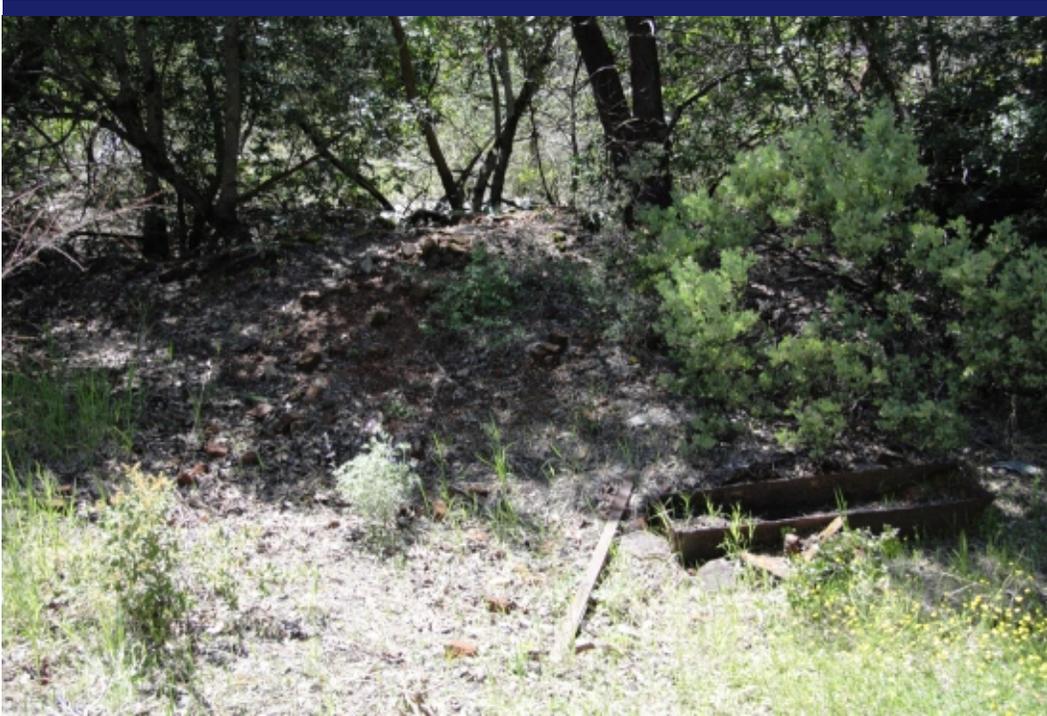


Photo 38 A pile of soil and bricks was present near the small brick furnace.

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*Direction: Southwest*

*Photographed By: Andrew Uhrig*

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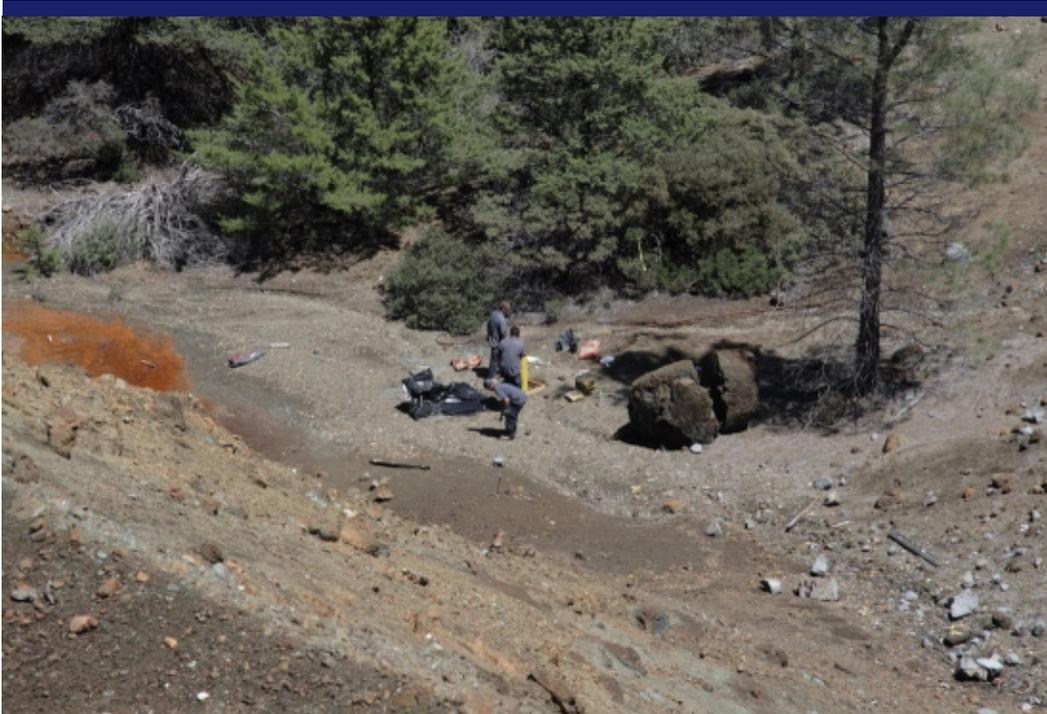


Photo 39 The drillers installing monitoring well 09HM-MW.

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*Direction: Northeast*

*Photographed By: Andrew Uhrig*

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Photo 40 Railroad track piles and wood were present on the hillside above the southern disturbed area. This was the likely location for the main rotary furnace.

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*Direction: Southwest*

*Photographed By: Andrew Uhrig*

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