



a) HORIZONTAL JOINTING AND CAVITIES



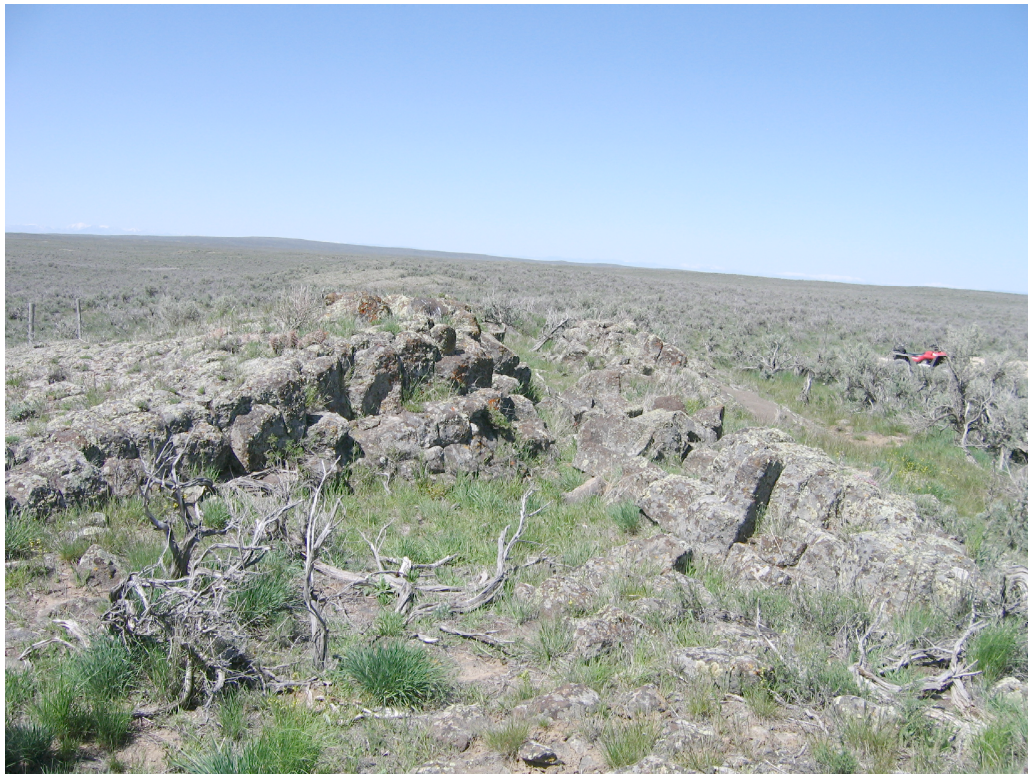
b) TOE RUBBLE AT END OF FLOW

**Figure 3.3-11**

**Rev. 0**

Photos of Typical  
Basalt Outcrops 2

**EAGLE ROCK ENRICHMENT FACILITY  
ENVIRONMENTAL REPORT**

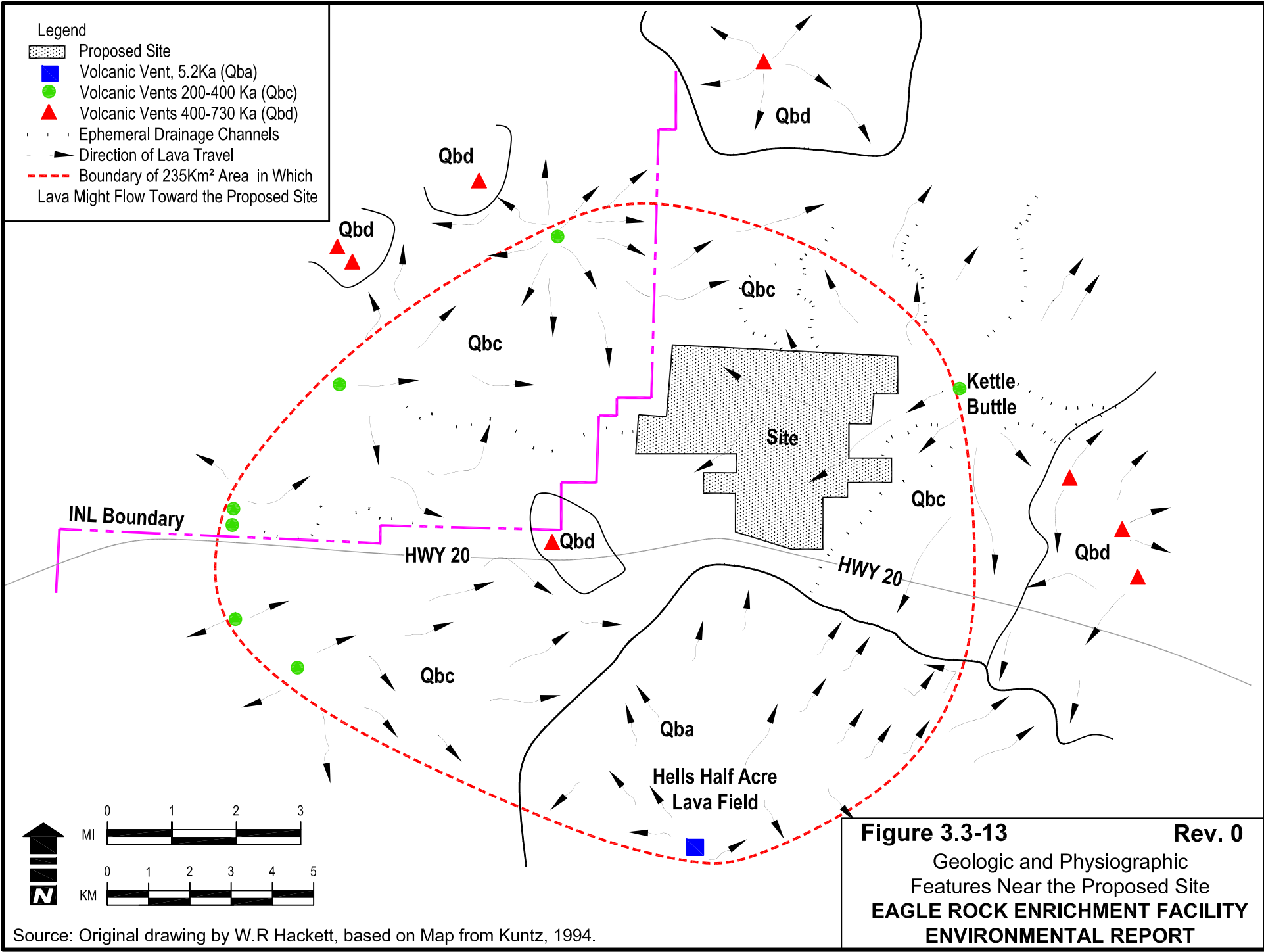


a) SMALL COLLAPSED LAVA TUBE

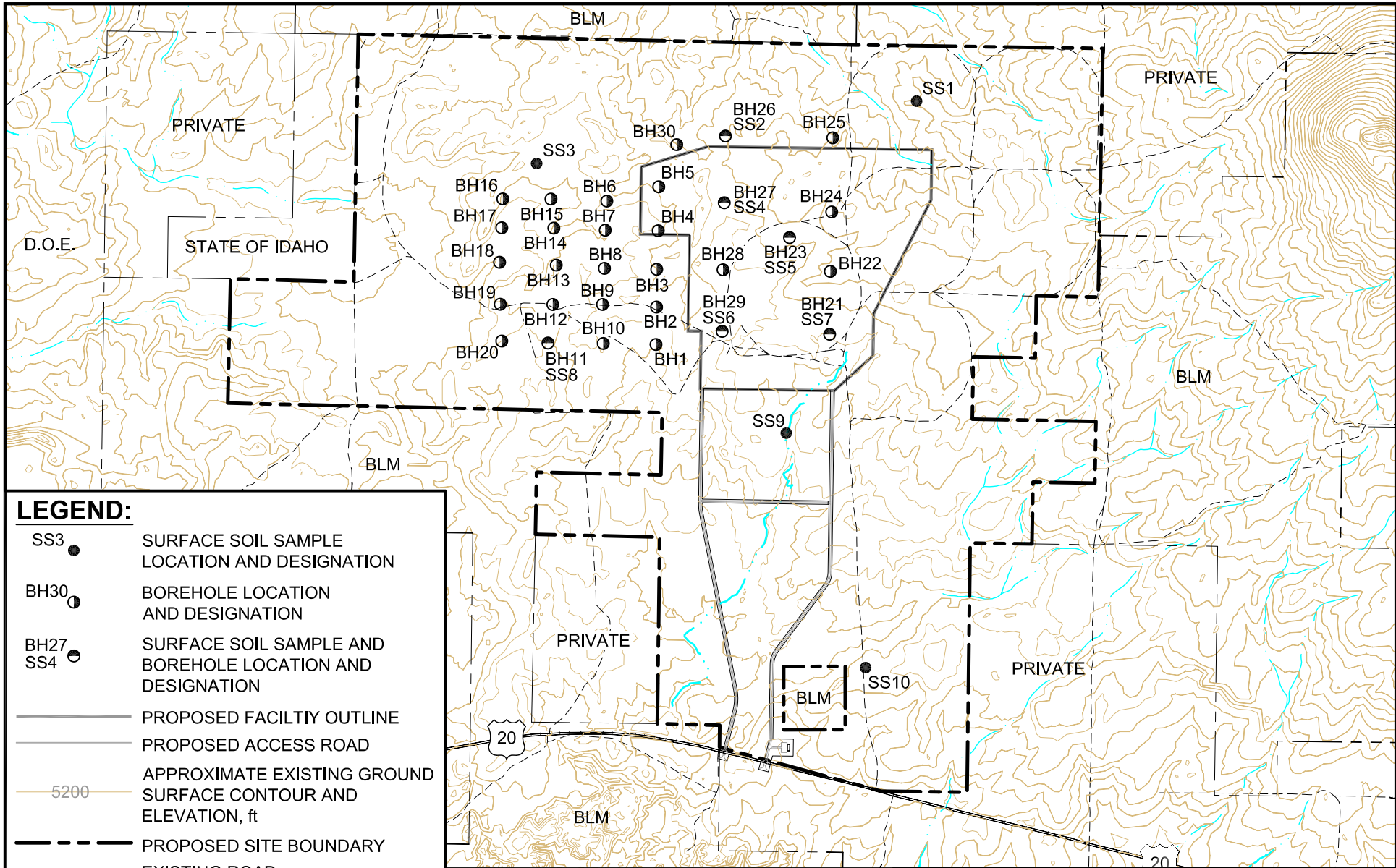


b) KETTLE BUTTE FROM NORTH BOUNDARY FENCE FACING EAST

**Figure 3.3-12** **Rev. 0**  
Photos of Significant Geological  
Features  
**EAGLE ROCK ENRICHMENT FACILITY  
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Source: Original drawing by W.R Hackett, based on Map from Kuntz, 1994.

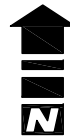
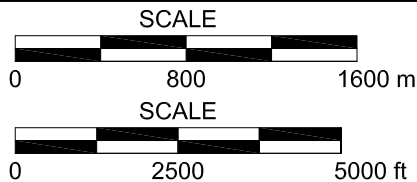


**LEGEND:**

- SS3 ● SURFACE SOIL SAMPLE LOCATION AND DESIGNATION
- BH30 ○ BOREHOLE LOCATION AND DESIGNATION
- BH27 ● SS4 ○ SURFACE SOIL SAMPLE AND BOREHOLE LOCATION AND DESIGNATION
- PROPOSED FACILITY OUTLINE
- PROPOSED ACCESS ROAD
- 5200 — APPROXIMATE EXISTING GROUND SURFACE CONTOUR AND ELEVATION, ft
- - - PROPOSED SITE BOUNDARY
- - - EXISTING ROAD

**NOTES:**

1. GROUND SURFACE CONTOUR ELEVATIONS ARE SHOWN IN FEET. METRIC CONVERSION IS 1 m = 3.281 ft.

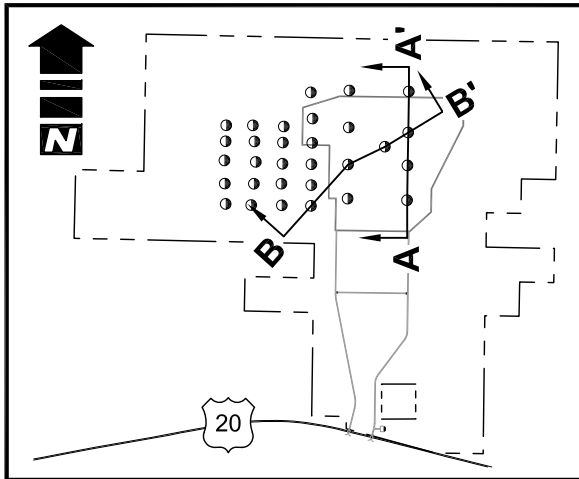


**Figure 3.3-14A**

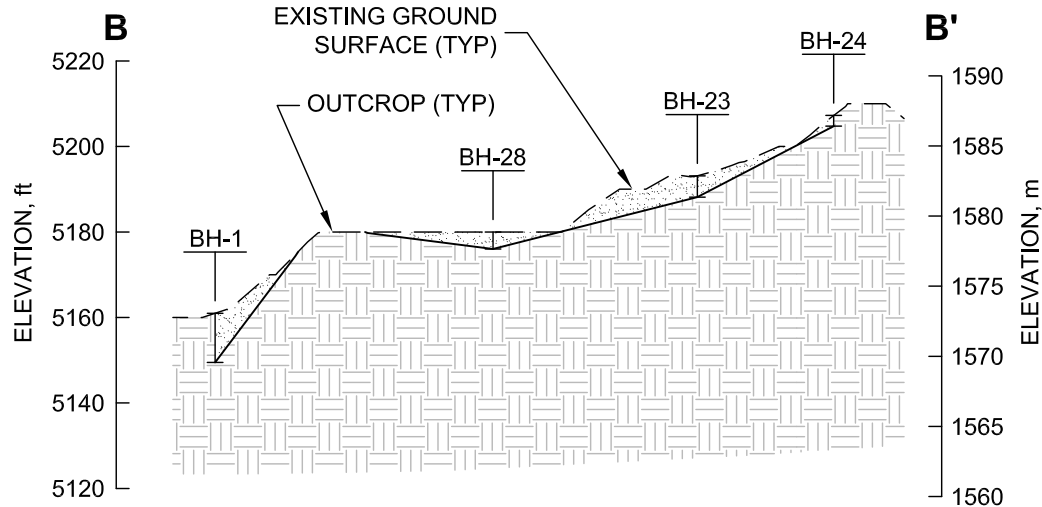
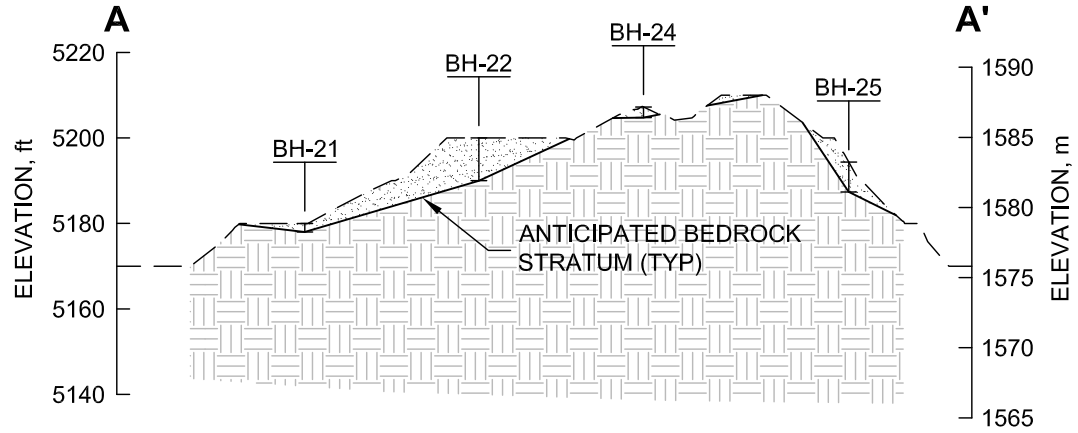
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Borehole and Soil Sample Locations

**EAGLE ROCK ENRICHMENT FACILITY  
ENVIRONMENTAL REPORT**



**SITE MAP**  
NTS

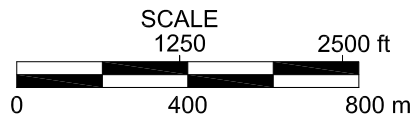


**LEGEND:**

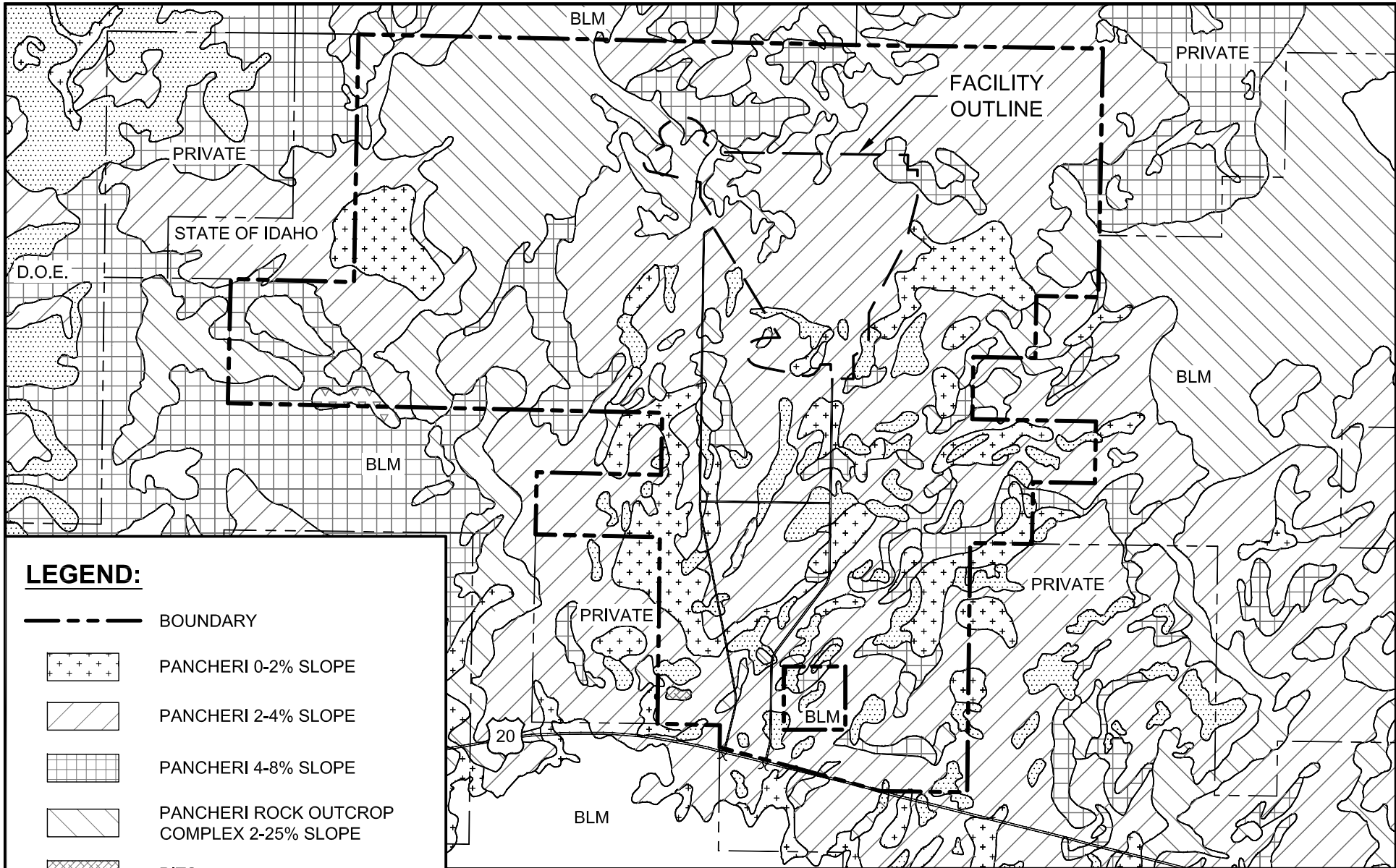
- BOREHOLE LOCATION
- BH-1 — BOREHOLE IDENTIFICATION
- BOREHOLE COLLAR
- BOTTOM OF BOREHOLE

**NOTE:**


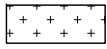
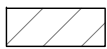
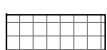
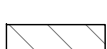

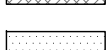
VERTICAL EXAGGERATION = 10X

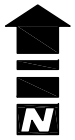
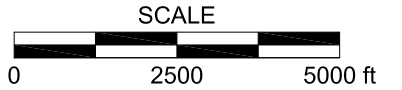
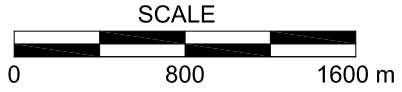


**Figure 3.3-14B** **Rev. 0**  
Cross Sections A-A' and B-B'  
On the Proposed EREF Footprint  
**EAGLE ROCK ENRICHMENT FACILITY**  
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**LEGEND:**

- 
BOUNDARY
- 
PANCHERI 0-2% SLOPE
- 
PANCHERI 2-4% SLOPE
- 
PANCHERI 4-8% SLOPE
- 
PANCHERI ROCK OUTCROP COMPLEX 2-25% SLOPE
- 
PITS
- 
POLATIS ROCK OUTCROP COMPLEX 2-25% SLOPE

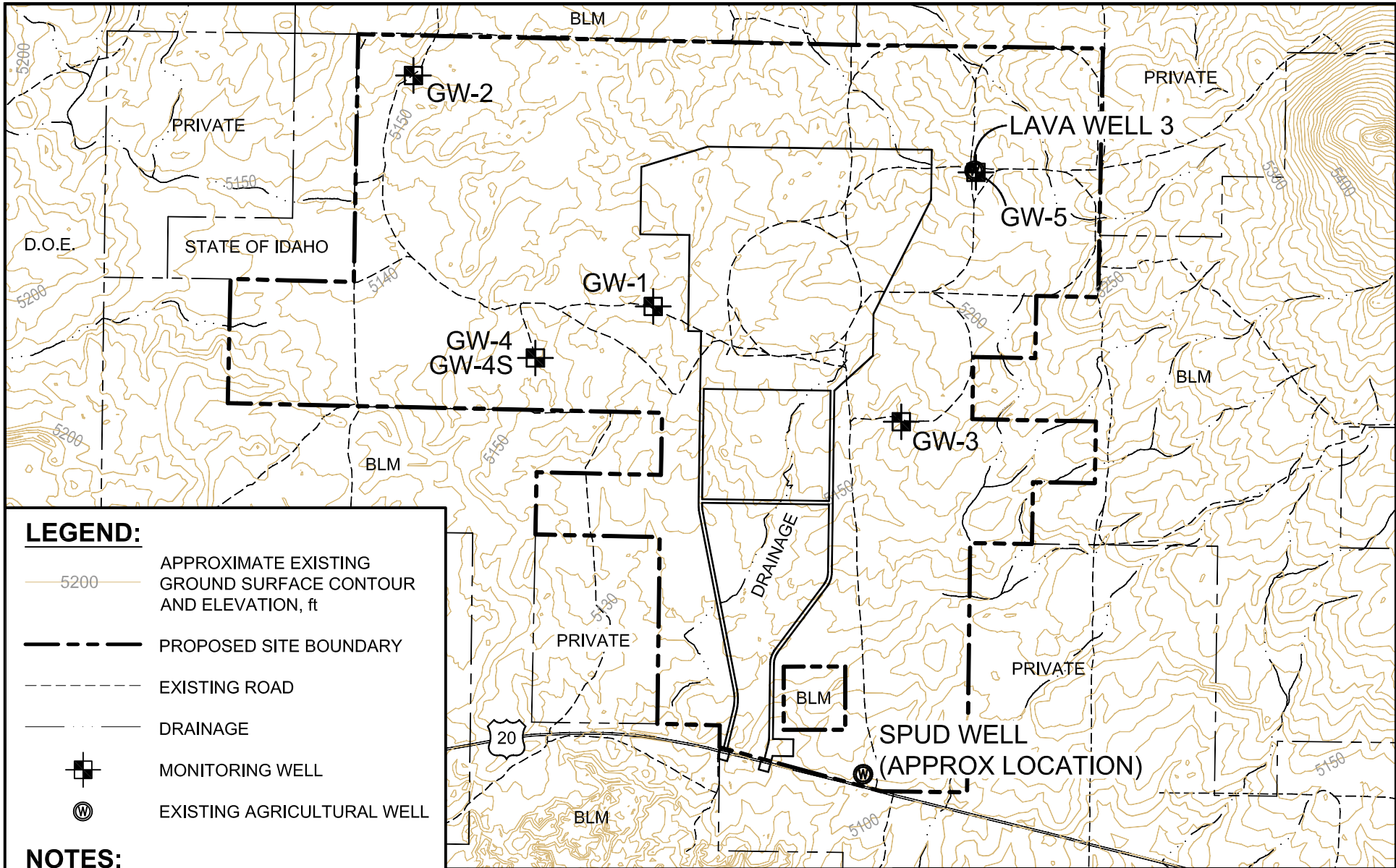


**Figure 3.3-15**



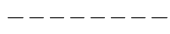



**Rev. 0**

Soil Map of the Proposed Site

**EAGLE ROCK ENRICHMENT FACILITY ENVIRONMENTAL REPORT**

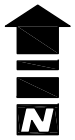
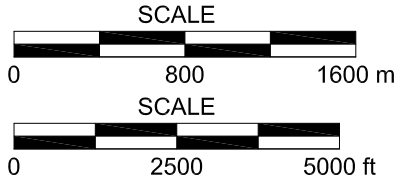


**LEGEND:**

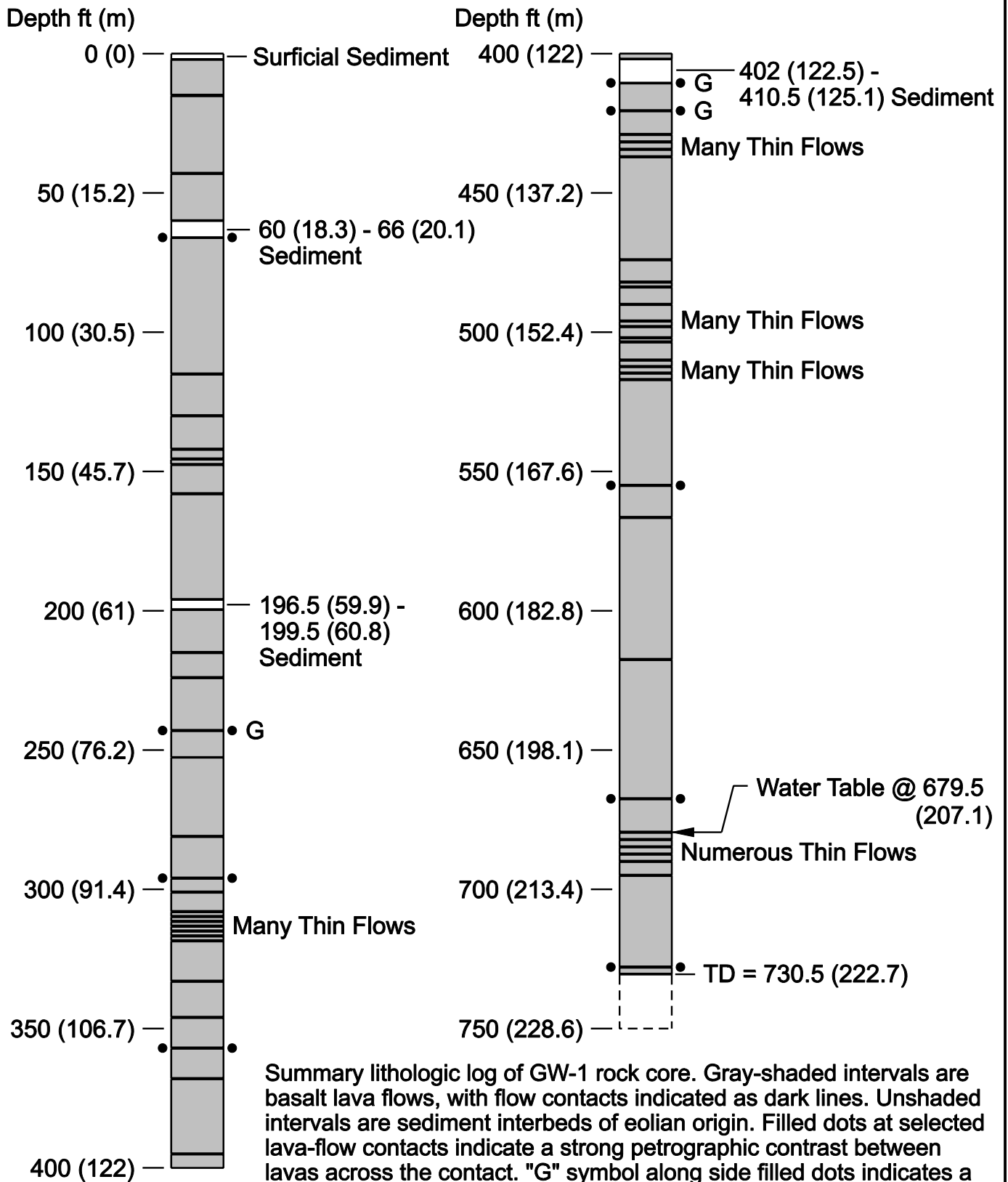
-  5200 APPROXIMATE EXISTING GROUND SURFACE CONTOUR AND ELEVATION, ft
-  PROPOSED SITE BOUNDARY
-  EXISTING ROAD
-  DRAINAGE
-  MONITORING WELL
-  EXISTING AGRICULTURAL WELL

**NOTES:**

1. GROUND SURFACE CONTOUR ELEVATIONS ARE SHOWN IN FEET. METRIC CONVERSION IS 1 m = 3.281 ft.
2. MONITORING WELL GW-5 IS 14.7 m (48.2') SOUTHEAST OF LAVA WELL



**Figure 3.3-16** **Rev. 0**  
 Existing Agricultural and Newly Installed Monitoring Wells  
**EAGLE ROCK ENRICHMENT FACILITY ENVIRONMENTAL REPORT**



Summary lithologic log of GW-1 rock core. Gray-shaded intervals are basalt lava flows, with flow contacts indicated as dark lines. Unshaded intervals are sediment interbeds of eolian origin. Filled dots at selected lava-flow contacts indicate a strong petrographic contrast between lavas across the contact. "G" symbol along side filled dots indicates a significant change in natural-gamma intensity across the lava-flow contact.

**Figure 3.3-17** **Rev. 0**  
 GW-1 Lithologic Log - Summary  
**EAGLE ROCK ENRICHMENT FACILITY ENVIRONMENTAL REPORT**