

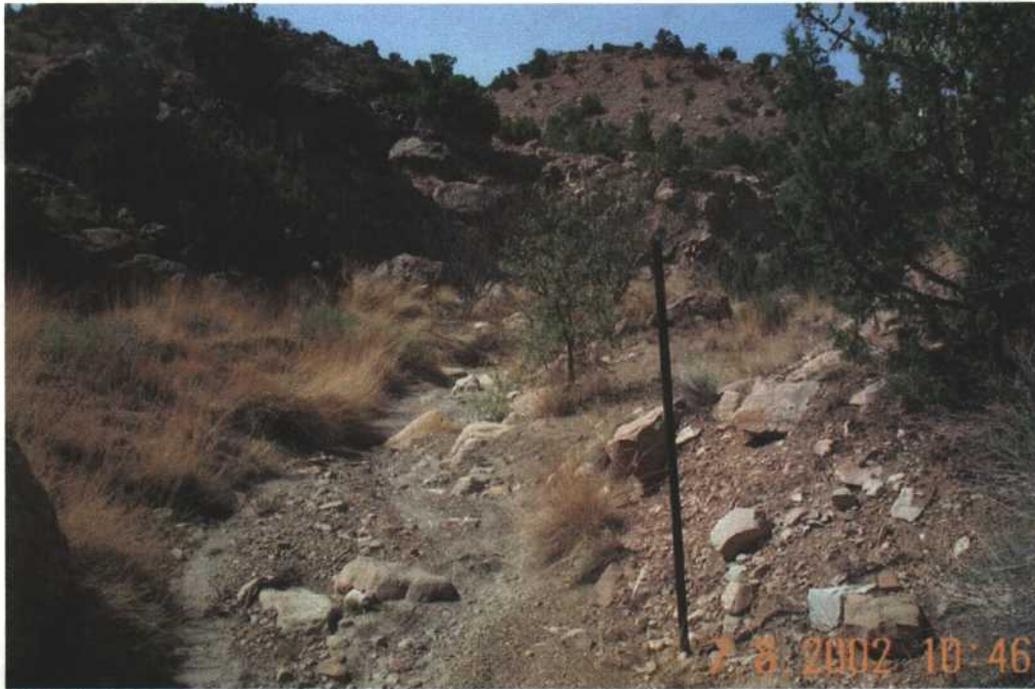
L-2-S

Location: L-2-S is located In the Right Fork of Lila Canyon wash South of and upstream of the permit area. Stream reach is ephemeral by definition (See Appendix 7-7& Plate 7-4). The wash above and below flows only as a result of spring run-off or storm events. Located in the Mancos Shale at an elevation of 5,950 feet.

General: The Sunnyside coal seam does not exist at this location. Since L-2-S is located off the permit area and subsidence is not a possibility, there is no potential for Lila Canyon Mine to negatively affect this monitoring location. The permittee has never observed amphibians at or near this location.

Vegetation description: Habitat overstory adjacent to the dry streambed monitoring location is Pinyon-Juniper, isolated sagebrush, and needle and thread grass.

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L-3-S

Location: Located in the Right Fork of Lila Canyon wash South of and down stream of the permit area. Stream reach is ephemeral by definition (See Appendix 7-7& Plate 7-4). The wash above and below flows only as a result of spring run-off or storm events. The Sunnyside coal seam does not exist in this location. Located in the Mancos Shale at an elevation of 5,750 feet.

General: Since L-3-S is located off the permit area and subsidence is not a possibility, there is no potential for the Lila Canyon Mine to negatively affect this monitoring location. The permittee has never observed amphibians at or near this location.

Vegetation description: Habitat overstory is a Pinyon-Juniper habitat similar to L-2-S.

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If it became necessary to discharge water from the mine, this water would be discharged in accordance with the UPDES permit application in Appendix 7-5. The water would be discharged into the Right Fork of Lila Canyon. Refer to Plate 7-5.

731.520 Gravity Discharges Location of the proposed portal slopes are below the western (upper) exposure of the easterly dipping coal bed. In the area immediately around the proposed portals, no water is presently issuing from the strata above or below the coal outcrop; therefore, it is assumed any water encountered in the underground mining will not be under artesian pressure or with sufficient hydrostatic head to raise it to the portal site.

The coal seam to be mined dips away from the portal site at approximately 10%. If water is encountered in the mining, it will likely be at a static level far below the exposed outcrop or rock slopes. This may result in some possible mine discharge from pumping, but not from gravity.

731.521 Portal Location The proposed access portals are below the coal outcrop, as shown on Figure 7-1, Plates 5-5 and 7-5. The fan is to be located above, at the outcrop. The rock slopes will slope up to the east at approximately 12% to contact the coal seam; however, the coal seam is dipping down to the east in this area. The approximate point of contact between the rock slopes and the coal seam will be 1227' from the surface at an elevation of 6300'. Ground water levels in the mining area, based on the 3 water monitoring holes and other geologic data, appear to be nearly static at elevation 5990 in this area (see Figure 7-1).

Water level in the mine would have to raise approximately 310' to reach the rock slope/coal seam contact and result in a gravity discharge. Water monitoring results and other historical data in the area do not indicate this is likely to occur.

731.522 Surface Entries after January 21, 1981 This is not known to be an acid-producing or iron-producing coal seam; however,

Water levels measured are shown in the "Chronology of Development". Water quality analysis for S-32 is also included in Appendix 6-1. The location of S-32 is shown on Plate 7-1.

1993- 1994 IPA Three holes were completed by the Los Angeles Department of Water and Power. These holes were added to confirm the coal quality and to provide for ground water monitoring. (See Table VI-4 for drilling summary).

Additional drill holes are not anticipated at this time. If in the future additional drill holes are required, section R645-301.630 will be addressed.

One oil exploration hole has been drilled on the property by Forest Oil Company. The location of the hole is shown on Plate 6-2. The depth of the hole is 12,602' other details are not known.

6.5.2 STRATIGRAPHY

The Upper Cretaceous Mesa Verde group of strata are of the greatest interest in the project area. The Mancos Shale at the base of the cliffs is overlain by the Blackhawk Formation which contains the Sunnyside and other coal seams. In the Little Park Wash area are exposures of the Price river and North Horn Formations. Farther east and at higher elevations are deeply eroded areas of the Tertiary Colton Formation. The stratigraphic sequence with formational descriptions are shown on Figure 6-1.