



Elevation datum approximately 2,980 meters above mean sea level  
View looking upstream (north)  
Vertical exaggeration x2

**EXPLANATION**

Stream water	Sand
Fine-grained mill tailings	Bedding
Coarse-grained early mill tailings	Stratigraphic contact—Dashed where uncertain
MnO <sub>2</sub> -stained or cemented gravel and sand (see note 1)	Surface of ground water and stream water (see note 2)
Sandy silt beds	Sediment sample (see note 3)
Thin peat beds	
Sandy gravel	

**NOTES**

1. The location of the trench is shown in figs. 1, 2, and 4 of text of Chapter E22. The sediments are shown in the photographs of figs. 10, 11, and 12.

2. The boundaries of polygons of stained or cemented gravel were not given a special line style, as not to obscure contacts between sedimentary beds or modification within beds. In many locations the boundaries of staining or cementation coincided with a stratigraphic contact or a bedding boundary. In other locations, however, the margin of staining or cementation did not coincide with a contact or bedding, and this is illustrated by the absence of a black boundary line.

3. The beds of the ground-water table, and water surface of stream, were all measured between August 11 and 20, 1998, with one exception. The ground-water table was measured in a test excavation at 167 m on July 23, 1998, and during the following 2 months the water table declined about 1 meter (see water level at 167 m). During that season an clay mat under the streambed, and thereby the ground-water raised because it was not being recharged by infiltrating stream water (see fig. 10).

4. Organic material was sampled for radiocarbon dating, and the results are shown in table 7 and figure 13. The fine fraction of siltstone was sampled for geochemical analysis. The geochemical results are shown in table 8 and figure 14, and the data are included in the database of data and others (this volume, Chapter E2).

**STRATIGRAPHY OF LATE HOLOCENE CHANNEL AND FLOOD-PLAIN DEPOSITS EXPOSED IN A TRENCH EXCAVATED ACROSS THE ANIMAS RIVER VALLEY FLOOR 1.4 KILOMETERS DOWNSTREAM OF THE EUREKA TOWNSITE, SAN JUAN COUNTY, COLORADO**

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