

6.0 CLEAR CREEK STREAM SEGMENT 4: SILVER PLUME TO GEORGETOWN LAKE DAM

SS 4 begins at Silver Plume (MP 224.5) and extends to the Georgetown Lake dam (MP 229.3)(Figure 6-1). The following issues and potential receptors have been identified for SS 4:

Water Quality

- Historical Mining (Mineral) Influences
- Adjacent Land Use
- Highway-related Construction, Operations, and Maintenance Activities
- Sedimentation

Hydrology/Hydraulics/Stream Morphology/Floodplains

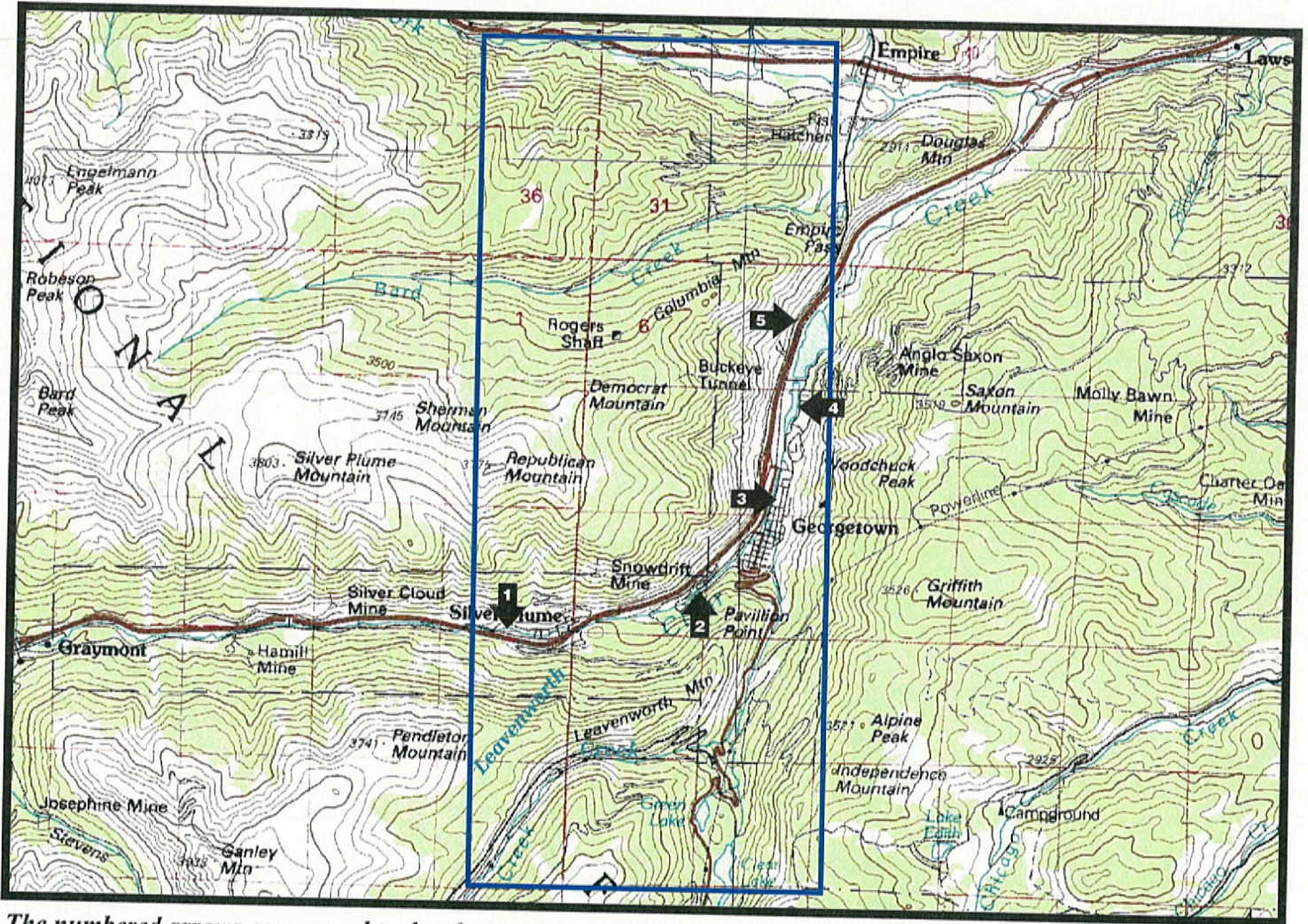
- Channelization/Downcutting

Wetland and Riparian Ecosystems

- Sedimentation
- Habitat Reduction and Fragmentation

Aquatic-dependent Communities

- Sedimentation
- Water-based Recreation



The numbered arrows correspond to the photographs on Figure 6-2



1 *Channelization/Sedimentation/Release of Metals.* Mining-related activities adjacent to Clear Creek.



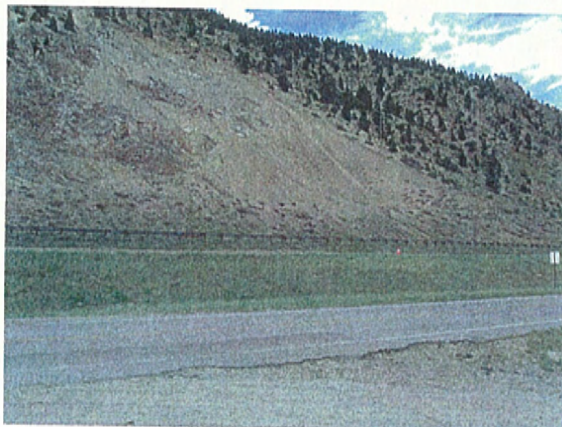
2 *Canyon.* Clear Creek upstream from Georgetown. High gradient stream.



3 *Channelization.* Clear Creek at Georgetown.



4 *Sedimentation.* Georgetown Lake (upstream smaller pool).



5 *Erosion/Sedimentation.* South-facing hillside opposite Georgetown Lake. Cut slope from I-70 construction creating sedimentation and erosion of disturbed soils.

FIGURE 6-2
I-70 PEIS SWEEP
Stream Segment 4
Clear Creek County