

Protection of Natural Surface Structures & Streams Error! Bookmark not defined.

C. W. Mining's will maintain a min of 200 ft barrier pillars to outcrops where required by lease stipulations, or protection of streams and wildlife to minimize the possibility of escarpment failure and resulting detrimental impacts to down stream water quality or nesting raptor. Submains under these areas in Bear Canyon will be left unless otherwise approved. No retreat mining will take place under these areas, which are outside of the potential subsidence zones shown on [Plate 5-3](#). The only stream channel which lies over the minable portion of the permit area is Bear Creek, where it flows through Federal Lease [U-024316](#). See [Appendix 5-C](#) for an explanation of the protection zone delineation. Adequate barrier zones will be left to protect adjacent stream channels, such as Bear Creek. Downstream channels are protected from disturbed area runoff contamination by utilization of sediment ponds. Temporary sediment controls i.e.; silt fences, straw bail dikes, etc. will be installed and vegetation will be reestablished as required in the event of impacts by escarpment failure.