

APPENDIX H: EROSION PIN DATA AT THE SEA CLIFF

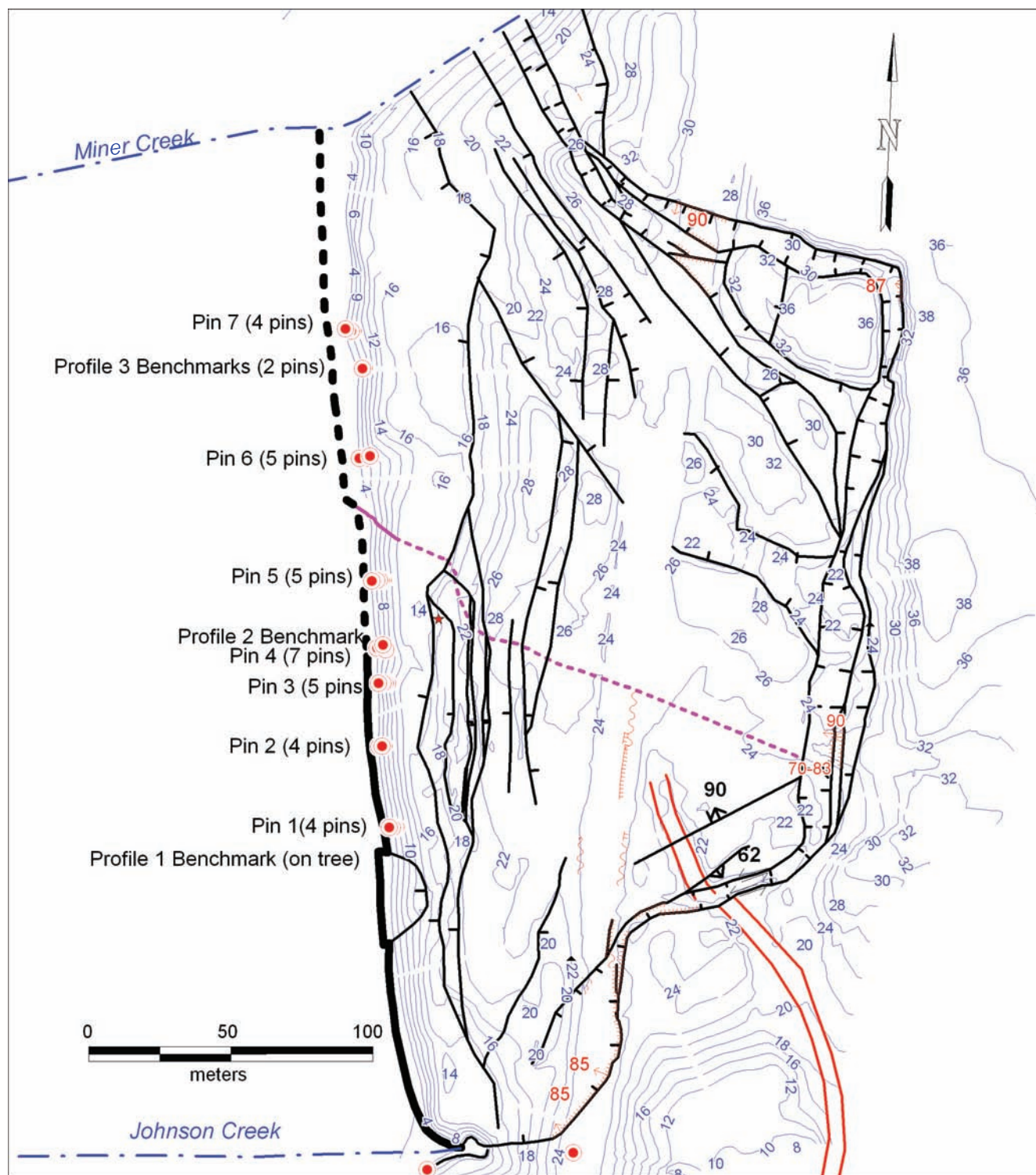


Figure H1. Location of erosion monitoring pins at the toe of the Johnson Creek landslide. Black lines are mapped slide block boundaries. Solid purple line is internal slide structure or fault; dotted purple line is speculative extension of this structure across the slide to match a similar structure inferred from borehole logs. Red numbers are dips on fresh scarps (red hachured lines) where nails were installed in 2003. Blue lines are topographic contours at 2-m intervals.

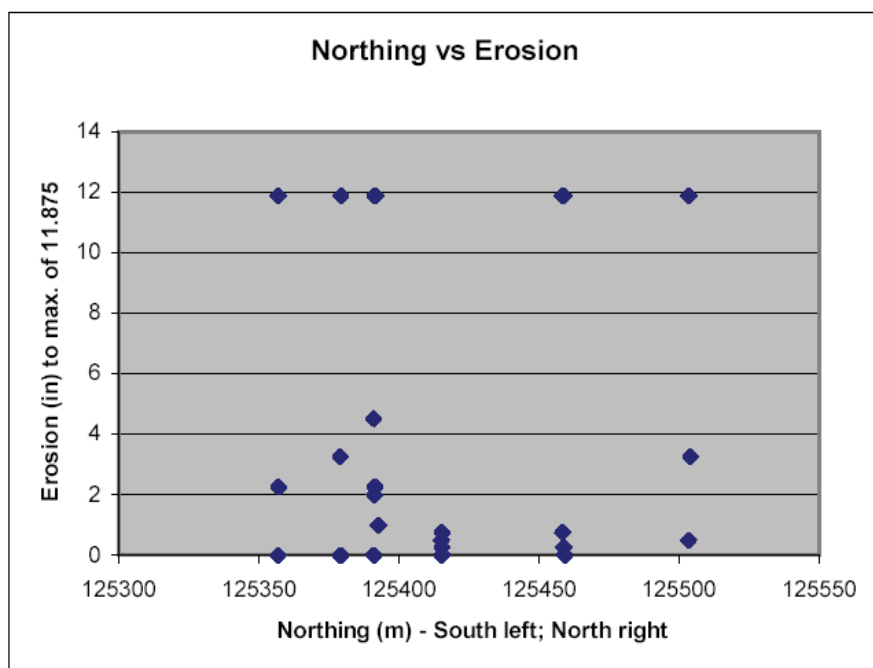
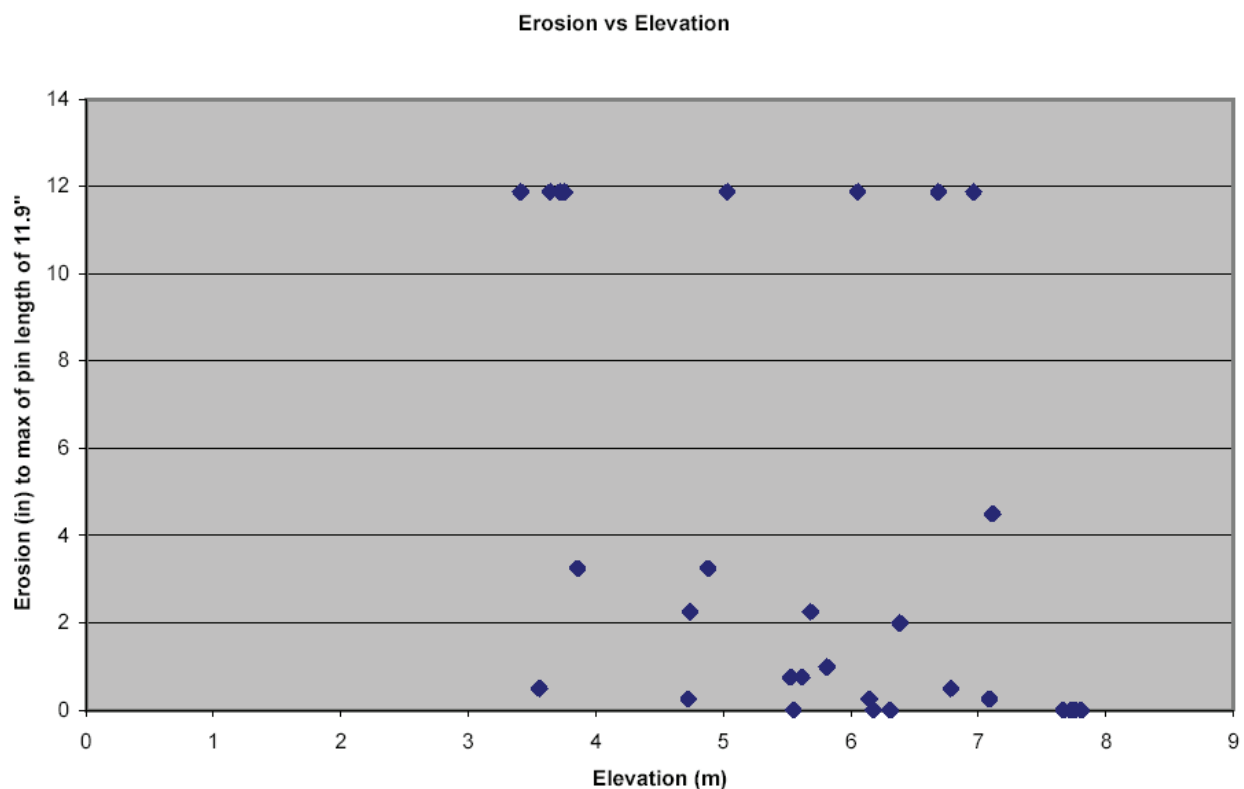


Figure H2. Bluff erosion data for December 9, 2002, to April 10, 2003. Note that there is no obvious correlation of erosion and bluff height or position north-south. The maximum length of pins was 30 cm (11.9 inches), so no larger erosion value could be measured; consequently, there are a number of points at 30 cm (11.9) on the graphs. Pin loss was generally caused by falling blocks of rock similar in size or larger than the pin. To overcome this problem, sharpened steel rods ~76 cm (30 in) long were driven into the bluff in 2004. However, no data have been gathered, owing to low wave conditions prior to compilation of this report.