

MEMO TO FILE

From: Barry Loescher Ph.D.

Date: August 28, 1998

Subject: Identifying the material at the localized hydrocarbon sheen area in DP Canyon

As part of the site investigations, two sediment samples from the "seep" area were subjected to fingerprinting analysis. The samples were extracted and analysed by GC/MS. Concentrations of normal alkanes were quantitated against external standards and chromatograms were compared against commercial standards of "fresh" and "weathered" diesel. It was concluded that these samples resembled weathered diesel. Further review and validation of the data supported this conclusion.

