Preliminary Data Gap Analysis

Pebble Project Environmental Impact Statement

Resource: Surface Water Hydrology			
Project Component	**Analysis Component**	**Description**	**Data Recommendations**
Mine Site	Env. Conseq.	Potential streamflow reduction analysis from combined surface water and groundwater models for various precipitation and groundwater hydraulic conductivity scenarios	Water Management Plan and Mine Site water balance (surface water).
Trans Corridor - Illiamna Lake	Env. Conseq.	Barge vessel analysis related to barge generated wave heights and potential for barge induced shoreline erosion	Illiamna Lake Barge Plan.
Mine Site and Transportation Corridor	Affected Env.	Streamflow monitoring data	Available streamflow data and related hydrologic analysis after period of record listed in EBS.
Transportation Corridor	Affected Env. and Env. Conseq.	Water withdrawal from surface water sources	Proposed water withdrawal locations and amounts for construction activities such as temporary ice roads.

Data Reviewed

1. EBD
2. SEBD