



NORTHERN DYNASTY MINES INC.

**DRAFT ENVIRONMENTAL BASELINE STUDIES
2006 STUDY PLANS**

**CHAPTER 2.
METEOROLOGY**

JULY 2006

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2. Meteorology

Meteorological data will be collected at four locations during 2006. The collection of PSD (Prevention of Significant Deterioration)-quality meteorological data will continue at the existing Pebble 1 and Port Site 1 meteorological stations. These locations are shown on Figure 2-1, Mine and Port Meteorological Stations. Collection of PSD-quality meteorological data will begin in June 2006 at Pebble 4. Collection of non-PSD-quality data will continue at Pebble 3 in support of engineering and design.

A summary of meteorological monitoring activities for 2004 through 2006 is provided in Table 2-1. Changes from the scope of work presented in Chapter 2 of the 2005 study plan include:

- Extending the monitoring at the Pebble 1 station and the Port Site 1 station through the end of 2006 and into 2007;
- Relocating, in November 2005, the equipment from the Pebble 2 site to the new Pebble 3 site, 0.6 miles north of Pebble 2; and
- Installing, in May 2006, a PSD-quality meteorological monitoring station, designated Pebble 4, at the same location as the discontinued Pebble 2 station.

The meteorological parameters that have been and will be monitored are listed in Table 2-2. The methods and approaches described in Section 2.2.2 of the 2005 study plan have not changed.

**Table 2-1
 Meteorology Study Summary
 Pebble Project Environmental Studies
 Study Summary for 2004 - 2006
 Consultant: Hoefler Consulting Group**

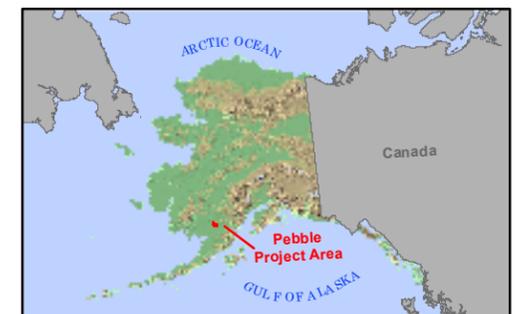
Discipline	2004 Data Collected or Tasks	2005 Data Collected or Tasks	2006 Tasks to be Completed
Meteorology	Mine Studies Area	Mine Studies Area	Mine Studies Area
	Information Gathering	Information Gathering	Information Gathering
	Scope, Schedule, Field Monitoring Plan	Scope, Schedule, Field Monitoring Plan	Scope, Schedule, Field Monitoring Plan
	Install Meteorological Monitoring Stations at the Mill Site (Pebble 1) and the Tailings Impoundment Site (Pebble 2)	Prepare Meteorology Chapter of 2005 Study Plan	2006 Study Plan Summary
	Communication and Data Management	Site Visit with ADEC and EPA to Finalize PSD-Quality Meteorological Monitoring Stations Locations	Continue Monitoring at Pebble 1 and Pebble 3
	Coordination with NDM and Agencies	Upgrade Pebble 1 to PSD-Quality	Install a New PSD-Quality Meteorological Monitoring Station at the Pebble 2 Site (to be Named Pebble 4)
		Move the Equipment at Pebble 2 to a New, Nearby Location (Renamed Pebble 3)	Communication and Data Management
		Communication and Data Management	Coordination with NDM and Agencies
	Coordination with NDM and Agencies	Draft Climate and Meteorology Chapter of Environmental Baseline Document	
Meteorology	Transportation Corridor	Transportation Corridor	Transportation Corridor
	Information Gathering	Information Gathering	Information Gathering
	Scope, Schedule, Field Monitoring Plan	Scope, Schedule, Field Monitoring Plan	Scope, Schedule, Field Monitoring Plan
	Communication and Data Management	Prepare Meteorology Chapter of 2005 Study Plan	2006 Study Plan Summary
	Coordination with NDM and Agencies	Site Visit with ADEC and EPA to Finalize PSD-Quality Meteorological Monitoring Stations Locations	Continue Monitoring at Port Site 1
		Install a PSD-Quality Meteorological Monitoring Station at the Port Site (Port Site 1).	Communication and Data Management
		Communication and Data Management	Coordination with NDM and Agencies
		Coordination with NDM and Agencies	Draft Climate and Meteorology Chapter of Environmental Baseline Document

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Pebble Project;
 Mine and Port Meteorological Stations
 Figure 2-1

Legend

- Met Stations
- Population Centers
- Port Site
- ⬭ 2005 Pit Outline



0 3 6 9 12 Miles

0 3 6 9 12 15 18 Kilometers

Scale 1:365,000

Alaska State Plane Zone 5 (units feet)
 1983 North American Datum

