



PEBBLE PROJECT

DRAFT ENVIRONMENTAL BASELINE STUDIES PROPOSED 2008 STUDY PLANS

CHAPTER 13. SUBSISTENCE AND TRADITIONAL KNOWLEDGE

DRAFT



Prepared For:
State of Alaska Large Mine Permitting Team
Department of Natural Resources

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13. SUBSISTENCE AND TRADITIONAL KNOWLEDGE

The objectives and methods/approach for the mine study area, transportation corridor, and the port area are the same as described in the 2007 Study Plans with the exceptions noted below. The objectives of the subsistence study are as described in Section 13.1 of the 2005 Study Plan.

Stephen R. Braund & Associates (SRB&A) will lead the subsistence work for these areas. The Alaska Department of Fish and Game (ADF&G), Division of Subsistence, will collaborate with SRB&A and conduct systematic household surveys in Bristol Bay communities, updating baseline information about subsistence hunting, fishing, and gathering that is compatible with information collected in previous rounds of ADF&G household interviews.

Table 13-1 summarizes work done on the subsistence and traditional knowledge studies in 2004 through 2007 and planned for 2008.

The proposed work for 2008 is the continuation of work described in the 2005, 2006, and 2007 Study Plans with some minor revisions. The communities and schedule for research are shown in Figure 13-1.

Any remaining subsistence mapping and traditional knowledge interviews will be completed in the following 12 communities: Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth, Kokhanok, Igiugig, Levelock, Ekwok, New Stuyahok, Koliganek, and Portage Creek.

Household surveys have been completed in Nondalton, Newhalen, Iliamna, Pedro Bay, and Port Alsworth for the 2004 study year and Kokhanok, Igiugig, Levelock, New Stuyahok, and Koliganek for the 2005 study year.

The following work planned for 2007 will be completed in 2008.

- ADF&G Division of Subsistence will attempt for a second time to conduct its household survey in Ekwok whose leadership declined to participate in the 2006 survey.
- ADF&G will follow up on agency comments that Portage Creek has more than one household residing in the community to assess the possibility of conducting their survey in that community.
- ADF&G Division of Subsistence, with assistance from SRB&A, will initiate household surveys in five communities (Manokotak, Lime Village, Naknek, South Naknek, and King Salmon).
- SRB&A will initiate subsistence and traditional knowledge interviews in Naknek, South Naknek, King Salmon, and Lime Village.

SRB&A will continue to edit and perform quality control for the field data, process field data, digitize mapped information, analyze data, compile data, and develop data summaries.

Table 13-1
Pebble Project Environmental Team
Scope & Budget Matrix for 2004 - 2008
Consultant: Stephen R. Braund & Associates

Discipline	2004	2005	2006	2007	2008
	Data Collected or Tasks	Data Collected or Tasks	Data Collected or Tasks	Data Collected or Tasks	Activities
Subsistence/Traditional Knowledge - All Areas	Lit review & background information gathering	Lit review & background information gathering	Continue Literature review	Continue Literature review	Continue Literature review
	Scope, Schedule, Field Sampling Plan 2004 Study Plan	Scope, Schedule, Field Sampling Plan 2005 Study Plan	Scope, Schedule, Field Sampling Plan 2006 Study Plan Summary	Scope, Schedule, Field Sampling Plan 2007 Study Plan Summary	Scope, Schedule, Field Sampling Plan 2008 Study Plan Summary
	Ekwo NMWC Presentation Oct 2004 Initiate community contacts	Continue community contacts ADF&G conduct household survey - 5 communities - Round 1 (Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth)	Continue community contacts	Continue community contacts	Continue community contacts
			ADF&G household survey - 7 communities (Kokhanok, Igiugig, Levelock, Ekwo, New Stuyahok, Koliganek, and Portage Creek). ADF&G only completed 5 (less Ekwo & Portage Creek)	ADF&G household survey - retry Ekwo; reconsider Portage Creek	ADF&G household survey - retry Ekwo; reconsider Portage Creek
		SRB&A subsistence mapping/TK interviews begun in 12 communities (Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth, Kokhanok, Igiugig, Levelock, Ekwo, New Stuyahok, Koliganek, and Portage Creek). Round 2	SRB&A subsistence mapping/TK interviews; return trips to where not done & return to those communities (of 12) that request additional interviews (Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth, Kokhanok, Igiugig, Levelock, Ekwo, New Stuyahok, Kol)	SRB&A subsistence mapping/TK interviews; return trips to where not done & return to those communities (of 12) that request additional interviews (Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth, Kokhanok, Igiugig, Levelock, Ekwo, New Stuyahok, Kol)	
		SRB&A add Lime Village mapping/TK Interviews	SRB&A add Lime Village mapping/TK Interviews	SRB&A add Lime Village mapping/TK Interviews	SRB&A add Lime Village mapping/TK Interviews
		ADF&G data entry & analysis - 5 communities. Round 1 SRB&A map preparation of ADF&G data - 5 communities. Round 1 ADF&G report preparation - 5 communities. Round 1	ADF&G data analysis - 5 communities (Round 1) SRB&A map edits of ADF&G data - 5 comm. (Round 1) ADF&G submitted draft report to SRB&A - 5 communities (Round 1). ADF&G completed community review. Completing final report. Anticipate final Dec 06.		
			ADF&G Data Analysis - 7 Round 2 communities (less Ekwo & Portage Creek)	ADF&G Data Analysis - 7 Round II communities (less Ekwo & Portage Creek)	
			SRB&A map preparation of ADF&G data - 7 comm. (less Ekwo & Portage Creek). Round 2	SRB&A map preparation of ADF&G data - 7 comm. (less Ekwo & Portage Creek)	
			ADF&G report preparation - 7 communities (less Ekwo & Portage Creek) Round 2	ADF&G report preparation - 7 communities (less Ekwo & Portage Creek)	
		SRB&A post field editing & processing field data & notes, compile and analyze data - 12 communities SRB&A digitize mapping data-12 communities SRB&A QC	SRB&A post field editing & processing field data/notes, compile and analyze data - 12 communities SRB&A digitize mapping data-12 communities SRB&A QC	SRB&A post field editing & processing field data/notes, compile and analyze data - 12 communities SRB&A digitize mapping data-12 communities SRB&A QC	
					Complete any remaining analysis & EBD report writing related to subsistence and TK for 12 communities (Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth, Kokhanok, Igiugig, Levelock, Ekwo, New Stuyahok, Koliganek, and Portage Creek) Community Reviews in 12 communities Revise community reports after community reviews
				Data entry/analysis Lime Village-did not do in 2006	Data entry/analysis Lime Village Data entry/analysis Lime Village. Did not do in 2007
				ADF&G household survey - 5 communities (Manokotak, Lime Village, Naknek, South Naknek, King Salmon). Round 3	ADF&G household survey - 5 communities (Manokotak, Lime Village, Naknek, South Naknek, King Salmon). Round 3
				ADF&G Data Analysis - Round 3	ADF&G Data Analysis - Round 3
				SRB&A map preparation of ADF&G data - Round 3	SRB&A map preparation of ADF&G data - Round 3
				ADF&G Report Preparation - Round 3	ADF&G Report Preparation - Round 3
				SRB&A subsistence/TK interviews in four communities (Manokotak, Lime Village, Clark's Point, & Aleknagik)	SRB&A subsistence/TK interviews in four communities (Naknek, South Naknek, King Salmon and Lime Village)
				SRB&A post field editing & processing field data/notes, compile and analyze data, QC - 4 communities	SRB&A post field editing & processing field data/notes, compile and analyze data, QC - 4 communities
				SRB&A digitize mapping data -4 communities	SRB&A digitize mapping data -4 communities
				Interviews in Cook Inlet communities	Interviews in Cook Inlet communities
				Place Name Inventory	Continue Place Name Inventory & seek place names from NPS
		Communication and Data Management Data Analysis Feasibility Report-Subsistence (9/13/05)	Communication and Data Management Data Analysis	Communication and Data Management Data Analysis	Communication and Data Management Data Analysis
					SRB&A prepare draft reports- 4 communities SRB&A review 4 community reports with community Revise community reports after community reviews
					Agency Presentation 2008
		Agency Presentation Oct 2004	Agency Presentation Nov 2005	Agency Presentation Nov/Dec 2006 Research & Develop Place Names database/map	Agency Presentation 2007 Research & Develop Place Names database/map
		Coordination with NDM & Agencies	Coordination with NDM & Agencies	Coordination with NDM, agency meetings, and monthly reporting	Coordination with NDM, agency meetings, and monthly reporting
			Draft Environmental Baseline Document	Preliminary Environmental Baseline Document	Preliminary Environmental Baseline Document
				SRB&A incorporate ADF&G findings into SRB&A EBD	SRB&A incorporate ADF&G findings into SRB&A EBD

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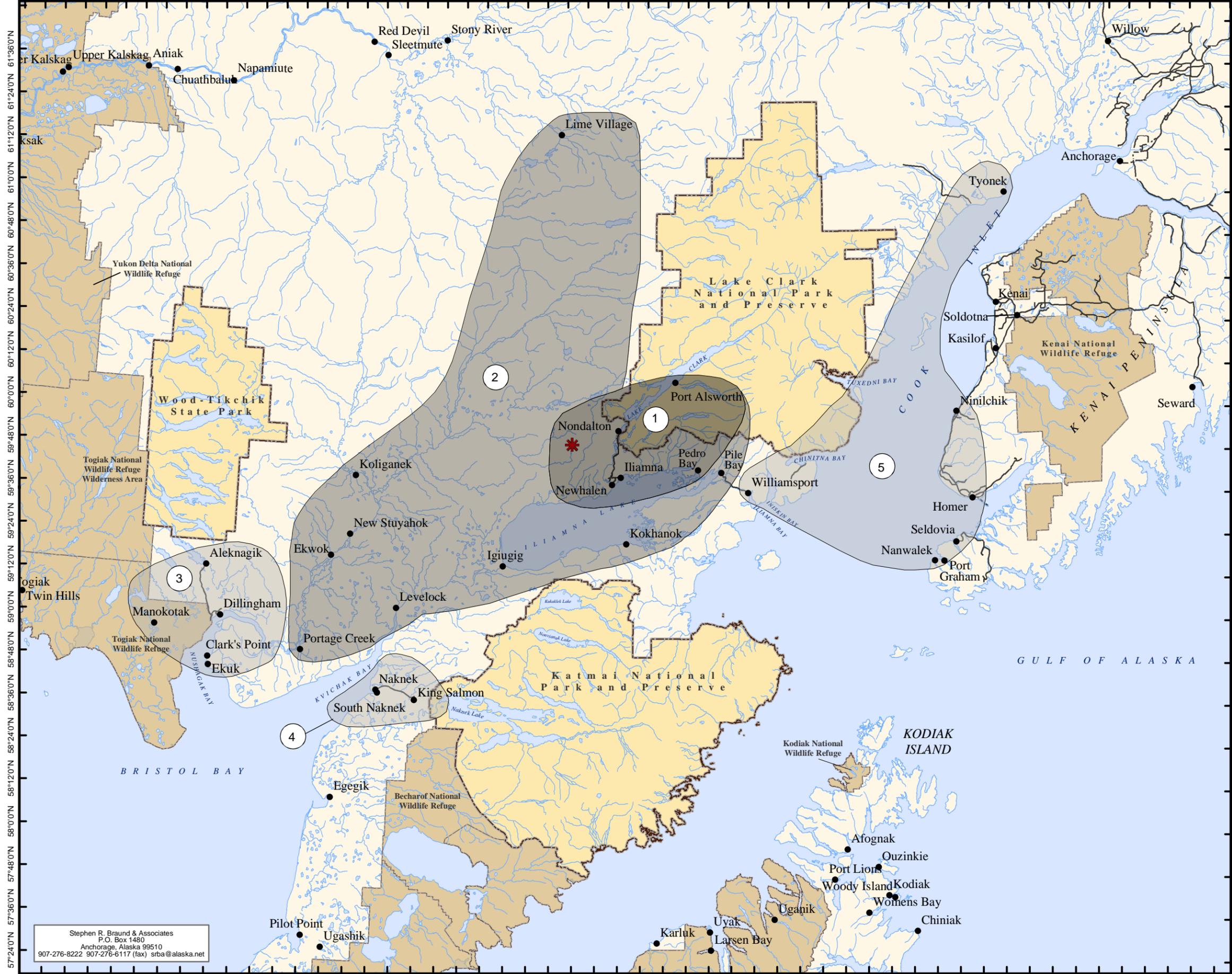
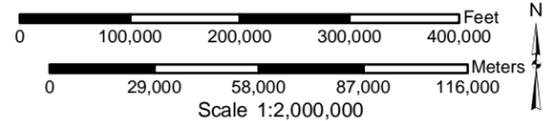


Figure 13-1
Subsistence: Study Communities and Schedule

- Communities
 - ★ General Deposit Location
 - Roads
 - Rivers
- ① SRB&A Subsistence Mapping Interviews and ADF&G HH Survey 2005-2006 - 5 Communities
 - ② SRB&A Subsistence Mapping Interviews 2005-2006 (except Pile Bay and Lime Village) - 7 Communities and ADF&G HH Survey 2006-2007 (except Ekwok, Lime Village, Pile Bay and Portage Creek) - 5 Communities
 - ③ SRB&A Subsistence Mapping Interviews and ADF&G HH Surveys 2009 or later - 5 Communities
 - ④ SRB&A Subsistence Mapping Interviews and ADF&G HH Survey (plus Lime Village) - 4 Communities 2008
 - ⑤ Telephone Interviews 2009 or later, except Tyonek



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

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