

DRAFT ENVIRONMENTAL BASELINE STUDIES PROPOSED 2007 STUDY PLANS

CHAPTER 13. SUBSISTENCE

DRAFT

SEPTEMBER 2007

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ACRONYMS

ADF&G Alaska Department of Fish and Game SRB&A Stephen R. Braund & Associates

13. SUBSISTENCE

The objectives and methods/approach for the mine study area, transportation corridor, and the port area are the same as described in the 2005 and 2006 study plans with the exceptions noted below. 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.

13.1 Objectives of Study

The objectives of the subsistence study are as described in Section 13.1 of the 2005 study plan.

13.2 Proposed Study Plan

The proposed work for 2007 is the continuation of research described in the 2005 and 2006 study plans with some minor revisions, including the inclusion of Lime Village in the ADF&G household survey and the SRB&A subsistence mapping and traditional knowledge research. The communities and schedule for research are shown in Figure 13-1.

ADF&G Division of Subsistence has completed household surveys in Nondalton, Newhalen, Iliamna, Pedro Bay, and Port Alsworth for the 2004 study year, produced a draft report for review and is completing the final report for these five communities. ADF&G also completed household surveys in Kokhanok, Igiugig, Levelock, New Stuyahok, and Koliganek for the 2005 study year. ADF&G is preparing the draft report, and SRB&A is preparing the ADF&G maps for these five communities.

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. Additionally, 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 six communities (Manokotak, Lime Village, Naknek, South Naknek, and King Salmon).

SRB&A conducted subsistence mapping and traditional knowledge interviews in Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth, Kokhanok, Igiugig, Levelock, Ekwok, New Stuyahok, Koliganek, and Portage Creek. SRB&A has edited and conducted quality control measures for these field data, processed the field data, and digitized the mapped information. SRB&A is analyzing and compiling the data, developing data summaries and tables, and preparing maps and the draft environmental baseline report.

SRB&A will initiate subsistence and traditional knowledge interviews in Manokotak, Lime Village, Clark's Point, and Aleknagik. SRB&A will edit and perform quality control for the field data, process field data, digitize mapped information, analyze data, compile data, and develop data summaries.

TABLE

TABLE 13-1

Pebble Project Environmental Studies Study Summary for Subsistence and Traditional Knowledge, 2004-2007 Consultant: Stephen R. Braund & Associates

Discipline	2004	2005	2006	2007
· · · · · ·	Data Collected or Tasks	Data Collected or Tasks	Data Collected or Tasks	Tasks to be Completed
Subsistence/	Lit review & background	Lit review & background	Continue Literature review	Continue Literature review
Traditional	information gathering	information gathering		
Knowledge,	Scope, Schedule, Field	Scope, Schedule, Field	Scope, Schedule, Field	Scope, Schedule, Field
All Areas	Sampling Plan	Sampling Plan	Sampling Plan	Sampling Plan
	2004 Study Plan	2005 Study Plan	2006 Study Plan Summary	2007 Study Plan Summary
	Ekwok NMWC Presentation Oct 2004			
	Initiate community contacts	Continue community contacts	Continue community contacts	Continue community contacts
		ADF&G household survey - 5 communities - Round 1 (Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth)	ADF&G household survey - 7	ADF&G household survey - retry Ekwok; reconsider Portage Creek
		SRB&A subsistence mapping/TK interviews begun in 12 communities (Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth, Kokhanok, Igiugig, Levelock, Ekwok, New Stuyahok, Koliganek, and Portage Creek). Round 2	SRB&A subsistence mapping/TK interviews; return trips to where not finished & return to those communities (of 12) that request additional interviews (Nondalton, Newhalen, Iliamna, Pedro Bay, Port Alsworth, Kokhanok, Igiugig, Levelock, Ekwok, New Stuyahok, Koliganek, and Portage Creek)	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, Ekwok, New Stuyahok, Koliganek, and Portage Creek)
		ADF&G data entry & analysis - 5	SRB&A add Lime Village mapping/TK Interviews ADF&G data analysis - 5	SRB&A add Lime Village mapping/TK Interviews
		communities (Round 1)	communities (Round 1)	
		SRB&A map preparation of ADF&G data - 5 communities (Round 1)	SRB&A map edits of ADF&G data - 5 comm. (Round 1)	

Disciplina	2004	2005	2006	2007
Discipline	Data Collected or Tasks	Data Collected or Tasks	Data Collected or Tasks	Tasks to be Completed
		ADF&G report preparation - 5	ADF&G submitted draft report to	
		communities (Round 1)	SRB&A - 5 communities (Round	
			1). ADF&G completed	
			community review. Completing	
			final report. Anticipate final Dec	
			06.	
			ADF&G Data Analysis - 7 Round	ADF&G Data Analysis - 7 Round
			2 communities (less Ekwok &	2 communities (less Ekwok &
			Portage Creek)	Portage Creek)
			SRB&A map preparation of	SRB&A map preparation of
			ADF&G data - 7 comm. (less	ADF&G data - 7 comm. (less
			Ekwok & Portage Creek).	Ekwok & Portage Creek)
			Round 2	
			ADF&G report preparation - 7	ADF&G report preparation - 7
			communities (less Ekwok &	communities (less Ekwok &
			Portage Creek) Round 2	Portage Creek)
		SRB&A post-field editing &	SRB&A post-field editing &	SRB&A post-field editing &
		processing field data & notes,	processing field data/notes,	processing field data/notes,
		compile and analyze data - 12	compile and analyze data - 12	compile and analyze data - 12
		communities	communities	communities
		SRB&A digitize mapping data -	SRB&A digitize mapping data -	SRB&A digitize mapping data -
		12 communities	12 communities	12 communities
		SRB&A quality control	SRB&A quality control	SRB&A quality control
			did not do in 2006	Data entry/analysis Lime Village
				ADF&G initiate household
				survey - 5 communities
				(Manokotak, Lime Village,
				Naknek, South Naknek, King
				Salmon). Round 3
				ADF&G Data Analysis - Round 3
				SRB&A map preparation of
				ADF&G data - Round 3
				ADF&G Report Preparation -
				Round 3
				SRB&A subsistence/TK
				interviews in four communities
				(Manokotak, Lime Village,
				Clark's Point, & Aleknagik)

Discipline	2004	2005	2006	2007
Discipline	Data Collected or Tasks	Data Collected or Tasks	Data Collected or Tasks	Tasks to be Completed
				SRB&A post-field editing &
				processing field data/notes,
				compile and analyze data, QC -
				4 communities
				SRB&A digitize mapping data - 4
				communities
				Interviews in Cook Inlet
				communities
				Place Name Inventory
		Communication and Data	Communication and Data	Communication and Data
		Management	Management	Management
		Data Analysis	Data Analysis	Data Analysis
		Feasibility Report-Subsistence		
		(9/13/05)		
	Agency Presentation Oct 2004	Agency Presentation Nov 2005	Agency Presentation Nov/Dec	Agency Presentation 2007
			2006	
			Research & develop place	Research & develop place
	O E C C C C C C C C C C C C C C C C C C	O II II NDM	names database/map	names database/map
	Coordination with NDM &	Coordination with NDM &		Coordination with NDM, agency
	Agencies	Agencies	meetings, and monthly reporting	meetings, and monthly reporting
		Draft Environmental Baseline	Preliminary Environmental	Preliminary Environmental
		Document	Baseline Document	Baseline Document
				SRB&A incorporate ADF&G
				findings into SRB&A env.
				baseline document
	Total Subsistence/TK - SRB&A	Total Subsistence/TK - SRB&A	Total Subsistence/TK - SRB&A	Total Subsistence/TK - SRB&A
	Total Subsistence ADF&G	Total Subsistence ADF&G	Total Subsistence ADF&G	Total Subsistence ADF&G

NOTES:

ADF&G = Alaska Department of Fish and Game NDM = Northern Dynasty Mines Inc. TK = traditional knowledge

FIGURE

