



Pre-Permitting Environmental / Socio-Economic Data Report Series

Report Series E- Trace Elements (Sediments & Soils)

Report E-9 Summary of Lake Iliamna Sediment Organic Analytical Results, 2005

*Submitted to the Alaska Department of Natural Resources September 2008
Collected for the Pebble Partnership by: HDR Alaska*

Preliminary data. Do not cite or quote.

The Pebble Partnership is providing environmental and socio-economic baseline data collected to inform the development of the Pebble Project to state and federal agencies, project stakeholders and the general public prior to project permitting as part of its commitment to full and open disclosure.

A comprehensive Environmental Baseline Document (EBD) will subsequently be prepared and appended to future project permit applications. The EBD will also be made publicly available when complete.



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Pebble Project
Summary of Lake Iliamna
Sediment Organic Analytical Results, 2005

Sample Station Location ID	Date Sampled	Total Organic Carbon (%)	Gasoline Range Organics (mg/Kg)	Diesel Range Organics (mg/Kg)	Residual Range Organics (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene, Isomers m & p (mg/Kg)	o-Xylene (mg/Kg)
BL1C	9/28/2005	10.8		194	2460					
FL1C	6/14/2005	11.1		40	167					
	9/29/2005	13.9		150	2140					
FN1C	6/14/2005	5.36		39.2	137					
KN1C	6/14/2005	1.27	2.4	66.6	499	ND	ND	ND	ND	ND
	9/29/2005	0.684		30.4	223					
NE1C	6/16/2005	2.47	4.32	35.5	110	ND	ND	ND	ND	ND
	9/28/2005	2.98		85.6	373					
PB1C	6/14/2005	0.945	3.19	33.7	55.4	ND	ND	ND	ND	ND
	9/29/2005	1.08		25.1	131					
RB1C	6/15/2005		1.67			ND	ND	ND	ND	ND
	9/28/2005	0.621		48.6	106					
UT1C	6/15/2005		1.12			ND	ND	ND	ND	ND

mg/Kg milligram per kilogram
µg/Kg microgram per kilogram
ND not detected above method reporting limit

**Pebble Project
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Sample Station Location ID	Date Sampled	1-Methylnaphthalene (µg/Kg)	2-Methylnaphthalene (µg/Kg)	Acenaphthene (ug/Kg)	Acenaphthylene (ug/Kg)	Anthracene (ug/Kg)	Benzo(a) anthracene (ug/Kg)	Benzo(a) pyrene (ug/Kg)	Benzo(b) fluorant hene (ug/Kg)	Benzo(g,h,i) perylene (ug/Kg)
BL1C	9/28/2005									
FL1C	6/14/2005 9/29/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
FN1C	6/14/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
KN1C	6/14/2005 9/29/2005	ND	ND	ND	ND	ND	ND	ND	ND	3.55
NE1C	6/16/2005 9/28/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
PB1C	6/14/2005 9/29/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB1C	6/15/2005 9/28/2005									
UT1C	6/15/2005									

mg/Kg milligram per kilogram
µg/Kg microgram per kilogram
ND not detected above method reporting limit

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Sample Station Location ID	Date Sampled	Benzo(k) fluoranthene (ug/Kg)	Chrysene (ug/Kg)	Dibenzo(a,h) anthracene (ug/Kg)	Fluoranthene (ug/Kg)	Fluorene (ug/Kg)	Indeno(1,2,3-cd) pyrene (ug/Kg)	Naphthalene (ug/Kg)	Phenanthrene (ug/Kg)	Pyrene (ug/Kg)
BL1C	9/28/2005									
FL1C	6/14/2005 9/29/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
FN1C	6/14/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
KN1C	6/14/2005 9/29/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
NE1C	6/16/2005 9/28/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
PB1C	6/14/2005 9/29/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND
RB1C	6/15/2005 9/28/2005									
UT1C	6/15/2005									

mg/Kg milligram per kilogram
 µg/Kg microgram per kilogram
 ND not detected above method reporting limit