



Pre-Permitting Environmental / Socio-Economic Data Report Series

Report Series H- Macroinvertebrates and Periphyton

Report H-8 Identified Periphyton Taxa 2004-2007

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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.

Collected for the Pebble Partnership by:



HDR Alaska
2525 C Street, Suite 305
Anchorage, AK 99503



ABR, Inc.
P.O. Box 24068
Anchorage, AK 99524



Northern Ecological Services
3373 Hillside Rd.
Deming, WA 98244

REPORT H-8.1

Periphyton Diatom Taxa Identified in Samples Collected in the Bristol Bay Drainages, August 2004

Genus	Species
<i>Achnanthes</i>	unknown
	<i>biasolettiana</i>
	<i>chlidanos</i>
	<i>daonensis</i>
	<i>laevis</i>
	<i>lanceolata</i>
	<i>lanceolata</i> subsp.
	<i>frequentissima</i>
	<i>laterostrata</i>
	<i>linearis</i>
	<i>marginulata</i>
	<i>minutissima</i>
	<i>minutissima</i> var. <i>jackii</i>
	<i>nodosa</i>
	<i>peragalli</i>
	<i>petersonii</i>
<i>pusilla</i>	
<i>silvahercynia</i>	
<i>subatomoides</i>	
<i>suchlandti</i>	
<i>Amphora</i>	unknown
	<i>libyca</i>
	<i>pediculus</i>
<i>Anomoeoneis</i>	<i>brachysira</i>
	<i>vitrea</i>
<i>Asterionella</i>	<i>formosa</i>
<i>Aulacoseira</i>	<i>alpigena</i>
	<i>ambigua</i>
	<i>crenulata</i>
	<i>islandica</i>
	<i>italica</i>
<i>Caloneis</i>	<i>bacillum</i>
	<i>schumanniana</i>
<i>Chamaepinnularia</i>	unknown
<i>Cocconeis</i>	unknown
	<i>placentula</i>
	<i>placentula</i> var. <i>euglypta</i>
	<i>placentula</i> var. <i>lineata</i>

REPORT H-8.1 (continued)

Periphyton Diatom Taxa, August 2004

Genus	Species
<i>Cyclotella</i>	<i>atomus</i>
	<i>meneghiniana.</i>
	<i>pseudostelligera</i>
<i>Cymbella</i>	<i>affinis</i>
	<i>caespitosa</i>
	<i>cistula</i>
	<i>gracilis.</i>
	<i>lapponica</i>
	<i>microcephala</i>
	<i>muelleri</i>
	<i>naviculiformis</i>
	<i>reichardtii</i>
<i>Diatoma</i>	<i>anceps</i>
	<i>mesodon</i>
	<i>tenuis</i>
	<i>vulgare</i>
<i>Didymosphenia</i>	<i>geminata</i>
<i>Diploneis</i>	<i>parma</i>
	<i>subovalis</i>
<i>Encyonema</i>	<i>minutum</i>
	<i>silesiacum</i>
<i>Epithemia</i>	<i>adnata</i>
	<i>turgida</i>
<i>Eunotia</i>	unknown (2)
	<i>arcus</i>
	<i>bilunaris</i>
	<i>denticulata</i>
	<i>incisa</i>
	<i>minor</i>
	<i>muscicola</i>
	<i>paludosa</i>
	<i>praerupta</i>
	<i>soleirolii</i>
<i>Fragilaria</i>	unknown
	<i>brevistriata</i>
	<i>capucina</i>
	<i>capucina</i> var. <i>gracilis</i>

REPORT H-8.1 (continued)

Periphyton Diatom Taxa, August 2004

Genus	Species
	<i>capucina</i> var. <i>perminutum</i>
	<i>capucina</i> var. <i>rumpens</i>
	<i>capucina</i> var. <i>vaucheriae</i>
	cf. <i>neoproducta</i>
<i>Fragilaria</i> (cont.)	<i>construens</i>
	<i>leptostauron</i> .
	<i>Nitzschioides</i>
	<i>parasitica</i>
	<i>pinnata</i>
	<i>tenera</i>
<i>Frustulia</i>	<i>rhomboides</i>
	<i>vulgaris</i>
<i>Gomphoneis</i>	<i>eriense</i> var. <i>variabilis</i>
	<i>herculeana</i>
<i>Gomphonema</i>	unknown (2)
	<i>acuminatum</i>
	<i>affine</i>
	<i>americobustum</i>
	cf. <i>angustatum</i>
	<i>bipunctatum</i>
	<i>drutelligence</i>
	<i>micropus</i>
	<i>minutum</i>
	<i>olivaceoides</i>
	<i>parvulum</i>
	<i>pumilum</i>
	<i>sarcophagus</i>
<i>Hannaea</i>	<i>arcus</i>
<i>Hantzschia</i>	<i>amphioxys</i>
<i>Melosira</i>	<i>varians</i>
<i>Meridion</i>	<i>circulare</i>
	<i>circulare</i> var. <i>constrictum</i>
<i>Navicula</i>	unknown (3)
	<i>antonii</i>
	<i>atomus</i>
	<i>begeri</i>
	<i>bryophila</i>

REPORT H-8.1 (continued)

Periphyton Diatom Taxa, August 2004

Genus	Species
<i>Navicula</i> (cont.)	<i>capitata</i>
	<i>capitata</i> var. <i>hungarica</i>
	cf. <i>lognicephala</i>
	<i>concentrica</i>
	<i>contenta</i>
	<i>cryptocephala</i>
	<i>cryptotenella</i>
	<i>difficillima</i>
	<i>gregaria</i>
	<i>halophila</i>
	<i>ignota</i> var. <i>acceptata</i>
	<i>lanceolata</i>
	<i>lapidosa</i>
	<i>leptostriata</i>
	<i>medioconvexa</i>
	<i>menisculus</i>
	<i>minima</i>
	<i>minuscula</i>
	<i>mutica</i>
	<i>pseudoscutiformis</i>
	<i>pseudosilicula</i>
	<i>pupula</i>
	<i>radiosa</i>
<i>schoenfeldii</i>	
<i>soehrensii</i>	
<i>veneta</i>	
<i>Neidium</i>	unknown
<i>Nitzschia</i>	unknown (2)
	<i>acicularis</i>
	<i>acidoclinata</i>
	<i>archibaldii</i>
	<i>bacilliformis</i>
	<i>bacillum</i>
	<i>dissipata</i>
	<i>flexoides</i>
	<i>fonticola</i>
	<i>frustulum</i>

REPORT H-8.1 (continued)

Periphyton Diatom Taxa, August 2004

Genus	Species
<i>Nitzschia</i> (cont.)	<i>gracilis</i>
	<i>inconspicua</i>
	<i>liebethuthii</i>
	<i>linearis</i>
	<i>palea</i>
	<i>paleacea</i>
	<i>perminuta</i>
	<i>perspicua</i>
	<i>pura</i>
	<i>pusilla</i>
	<i>recta</i>
	<i>sublinearis</i>
<i>Opephora</i>	<i>olsenii</i>
<i>Pinnularia</i>	unknown
	<i>borealis</i>
	<i>gibba</i>
	<i>subcapitata</i>
<i>Reimeria</i>	<i>sinuata</i>
<i>Rhoicosphenia</i>	<i>curvata</i>
<i>Rhopalodia</i>	<i>gibba</i>
<i>Stauroneis</i>	unknown
	<i>anceps</i>
<i>Stephanodiscus</i>	<i>parvus</i>
<i>Synedra</i>	<i>acus</i>
	<i>ulna</i>
<i>Tabellaria</i>	<i>flocculosa</i>



REPORT H-8.2
Periphyton Diatom Taxa, Cook Inlet Drainages, 2004

Genus			
<i>Achnantheidium</i>	<i>Anomoeneis</i>	<i>Aulacoseira</i>	<i>Caloneis</i>
<i>Cymbella</i>	<i>Diatoma</i>	<i>Encyonema</i>	<i>Eunotia</i>
<i>Fragilaria</i>	<i>Frustulia</i>	<i>Gomphonema</i>	<i>Hannaea</i>
<i>Meridion</i>	<i>Navicula</i>	<i>Nitzschia</i>	<i>Pinnularia</i>
<i>Reimeria</i>	<i>Synedra</i>	<i>Tabbellaria</i>	
