



Pre-Permitting Environmental / Socio-Economic Data Report Series

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# Report Series H- Macroinvertebrates and Periphyton

## Report H-3 Identified Chironomidae Taxa 2004-2007

*Submitted to the Alaska Department of Natural Resources April 2009*

*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 Do not cite or quote.*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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REPORT H-3.1

Chironomidae Taxa<sup>a</sup> Identified in Samples Collected in the Bristol Bay Drainages

| Subfamily                  | Tribe                          | Genus                         |                        |
|----------------------------|--------------------------------|-------------------------------|------------------------|
| Unidentified               | Unidentified                   | Unidentified                  |                        |
| Chironominae               | Chironomini                    | <i>Dicrotendipes</i>          |                        |
|                            |                                | <i>Einfeldia</i>              |                        |
|                            |                                | <i>Endochironomus</i>         |                        |
|                            |                                | <i>Parachironomus</i>         |                        |
|                            |                                | <i>Paracladopelma</i>         |                        |
|                            |                                | <i>Polypedilum</i>            |                        |
|                            |                                | <i>Sergentia</i>              |                        |
|                            |                                | Tanytarsini                   | Unidentified           |
|                            |                                |                               | <i>Cladotanytarsus</i> |
|                            |                                |                               | <i>Constempellina</i>  |
|                            | <i>Corynocera</i>              |                               |                        |
|                            | <i>Micropsectra</i>            |                               |                        |
|                            | <i>Micropsectra/Tanytarsis</i> |                               |                        |
|                            | <i>Paratanytarsus</i>          |                               |                        |
|                            | <i>Rheotanytarsus</i>          |                               |                        |
|                            | <i>Stempellina</i>             |                               |                        |
|                            | <i>Stempellinella</i>          |                               |                        |
|                            | <i>Sublettea</i>               |                               |                        |
|                            | <i>Tanytarsini</i>             |                               |                        |
|                            | <i>Tanytarsus</i>              |                               |                        |
| Diamesinae                 | Diamesini                      | <i>Diamesa</i>                |                        |
|                            |                                | <i>Lappodiamesa</i>           |                        |
|                            |                                | <i>Pagastia</i>               |                        |
|                            |                                | <i>Potthastia</i>             |                        |
|                            |                                | <i>Pseudodiamesa</i>          |                        |
|                            |                                | <i>Syndiamesa</i>             |                        |
|                            |                                | Protanytarsini                | <i>Protanytarsus</i>   |
|                            |                                |                               | <i>Prodiamesa</i>      |
| Prodiamesinae <sup>b</sup> |                                | <i>Prodiamesa</i>             |                        |
| Tanypodinae                | Pentaneurini                   | <i>Ablabesmyia</i>            |                        |
|                            |                                | <i>Conchapelopia</i>          |                        |
|                            |                                | <i>Helopelopia</i>            |                        |
|                            |                                | <i>Krenopelopia</i>           |                        |
|                            |                                | <i>Larsia</i>                 |                        |
|                            |                                | <i>Paramerina</i>             |                        |
|                            |                                | <i>Rheopelopia</i>            |                        |
|                            |                                | <i>Zavrelimyia/Paramerina</i> |                        |

REPORT H-3.1 (continued)  
Chironomidae Taxa<sup>a</sup> Identified in Samples Collected in the Bristol Bay Drainages

| Subfamily           | Tribe                  | Genus                            |
|---------------------|------------------------|----------------------------------|
| Tanypodinae (cont.) | Macropelopiini         | <i>Macropelopia</i>              |
|                     | Procladiini            | <i>Procladius</i>                |
| Podonominae         | Boreochlini            | <i>Boreochlus</i>                |
| Orthocladiinae      |                        | Unidentified                     |
|                     |                        | <i>Brillia</i>                   |
|                     |                        | <i>Corynoneura</i>               |
|                     |                        | <i>Cricotopus/Orthocladius</i>   |
|                     |                        | <i>Eukiefferiella</i>            |
|                     |                        | <i>Heterotrissocladius</i>       |
|                     |                        | <i>Krenosmittia</i>              |
|                     |                        | <i>Limnophyes</i>                |
|                     |                        | <i>Lopescladius</i>              |
|                     |                        | <i>Nanocladius</i>               |
|                     |                        | <i>Parakefferiella</i>           |
|                     |                        | <i>Parakiefferiella/Olivedia</i> |
|                     |                        | <i>Paracricotopus</i>            |
|                     |                        | <i>Parametriocnemus</i>          |
|                     |                        | <i>Paraphaenocladius</i>         |
|                     |                        | <i>Parorthocladius</i>           |
|                     |                        | <i>Psectrocladius</i>            |
|                     |                        | <i>Psilometriocnemus</i>         |
|                     |                        | <i>Rheocricotopus</i>            |
|                     |                        | <i>Rheosmittia</i>               |
|                     | <i>Smittia</i>         |                                  |
|                     | <i>Synorthocladius</i> |                                  |
|                     | <i>Thienemanniella</i> |                                  |
|                     | <i>Tvetenia</i>        |                                  |

Notes:

- a. Order: Diptera, Family: Chironomidae
- b. No tribe associated with this subfamily



REPORT H-3.2  
Chironomidae Taxa<sup>a</sup> Identified in Samples Collected  
in the Cook Inlet Drainages, 2004 and 2005

| <b>Tribe</b>    | <b>Genus</b>   |
|-----------------|--|
| Chironomini     | <i>Polypedilum</i>   |
| Diamesinae      | <i>Diamesa</i><br><i>Pagastia</i>  |
| Orthoclaadiinae | <i>Brillia</i><br><i>Cricotopus/Orthocladus</i><br><i>Eukiefferiella</i><br><i>Parothocladus</i><br><i>Rheocricotopus</i><br><i>Thienemanniella</i><br><i>Tvetenia</i> |
| Tanytarsini     | <i>Paratanytarsus</i>  |

Notes:

- a. Order: Diptera, Family: Chironomidae