**Susitna-Watana Hydroelectric Project**

**2013 Baseline & Mercury Assessment Water Quality Study**

**Sediment & Porewater Field Data Dictionary**

Sediment and porewater samples were collected at the mouths of four tributaries along the Susitna River in September 2013. This document describes the standard abbreviations used in the MS Excel database used to assemble tables and graphs and to report values. Further, it describes the nomenclature for labeling sample bottles and identifying sample locations. The field data associated with the sediment and porewater samples, formatted per AEA project data guidelines (April 2013), is described in the following sections. Each section corresponds to the column heading in the Excel database.

# SED\_SAMPLE\_ID

Describes the sample ID given to each sediment/porewater sample location by the field crew at the time of collection. This sample ID was recorded on the field form, sample bottle, and COC. The sample ID includes a combination of letters and numbers to identify the sample location within the project area, water column and location along the river. The first two letters of the sample ID identify the type of study, WQ = Water Quality. The next two letters of the sample ID identify sample type, SD = Sediment. The next letter in the sample ID identifies the type of WQ study, B = Baseline. These letters are then followed by the name of the creek at which the samples were collected; Goose Creek, Jay Creek, Kosina Creek or Oshetna Creek. The sample number follows the creek name. Three samples were collected at each location. Duplicates were collected for two samples and are indicated by a “0” at the end of the sample ID.

# SAMPLE\_TYPE

This field indicates the sample type, which in this database include in-situ field measurements as recorded on the field datasheets.

# SITE\_NAME

Describes the name of the site where the samples/field parameters were collected.

# SAMPLE\_NO

This field describes sample number given to each sample on the field datasheet, sample ID, and COC.

# GPS\_Coord\_Latitude

This field gives the global positioning system (GPS) latitude (WGS 84) for the sample location.

# GPS\_Coord\_Longitude

This field gives the global positioning system (GPS) longitude (WGS 84) for the sample location.

# SAMPLE\_COLLECT\_DATE

This field indicates the date which the sample was collected.

# SAMPLE\_TIME

This field indicates the time each sample was collected.

# Water\_Depth\_ft

This field reports the depth of the water (in feet) column above the sampling location where field parameters were recorded.

# Temp\_degC

This field reports the water temperature in degrees Celsius of the water above the sampling locations where field parameters were recorded.

# pH\_SU

This field reports the pH in standard units of the water above the sampling locations where field parameters were recorded.

# DO\_mg/L

This field reports the dissolved oxygen concentration in mg/L of the water above the sampling locations where field parameters were recorded.

# Specific\_Conductance\_uS/cm

This field reports the specific conductance in uS/cm of the water above the sampling locations where field parameters were recorded.

# ORP\_mV

This field reports the ORP in mV of the water above the sampling locations where field parameters were recorded.

# Turbidity\_NTUs

This field reports the turbidity in NTUs of the water above the sampling locations where field parameters were recorded.

# WEATHER\_SITE\_OBS

This field includes the weather and site observations from the field datasheets that the field crew transcribed during sampling.

## Q. QC\_1\_Review

This field indicates the date and field personnel who reviewed the field forms on the day the sample was collected.

## R. QC\_2\_Review

This field indicates the date and personnel who performed the data entry and data entry QC.

## S. QC\_3\_Review

This field indicates the date and personnel who performed the senior review and QC on the data after data entry but before final submittal to AEA.