

# **EAST END PROJECT - PRE-DREDGE SEDIMENT RESULTS FOR ARSENIC**

| Sample Identification                       | Sample Date | Method Number | Analyte | Units | Results | MDL  | RL   | ANOTE |
|---------------------------------------------|-------------|---------------|---------|-------|---------|------|------|-------|
| EE0305-7 East End Dredge Big Bear Lake      | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.40    | 0.38 | 13.0 | J     |
| EE0305-13 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 0.70    | 0.41 | 14.0 | J     |
| EE0305-19 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 2.60    | 0.48 | 16.0 | J     |
| EE0305-20 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 2.10    | 0.41 | 14.0 | J     |
| EE0305-28 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.70    | 0.39 | 13.0 | J     |
| EE0305-28 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.80    | 0.39 | 13.0 | J     |
| EE0305-27 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 2.20    | 0.41 | 14.0 | J     |
| EE0305-79 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.50    | 0.37 | 12.0 | J     |
| EE0305-70 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 0.89    | 0.37 | 12.0 | J     |
| EE0305-55 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.10    | 0.45 | 15.0 | J     |
| EE0305-57B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 0.90    | 0.37 | 13.0 | J     |
| EE0305-12 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 2.30    | 0.43 | 14.0 | J     |
| EE0305-14 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.60    | 0.37 | 12.0 | J     |
| EE0305-32 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 2.00    | 0.46 | 15.0 | J     |
| EE0305-34 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.90    | 0.41 | 14.0 | J     |
| EE0305-34 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.90    | 0.41 | 14.0 | J     |
| EE0305-39 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 2.80    | 0.48 | 16.0 | J     |
| EE0305-71 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.20    | 0.41 | 14.0 | J     |
| EE0305-72 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.30    | 0.39 | 13.0 | J     |
| EE0305-57 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.20    | 0.41 | 14.0 | J     |
| EE0305-13B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 6020      | Arsenic | mg/kg | 1.80    | 0.40 | 13.0 | J     |

**HAZARDOUS MATERIAL THRESHOLD FOR SEDIMENT:**

**mg/kg 500**

**NOAA FRESHWATER SEDIMENT GUIDELINES - BACKGROUND:**

**mg/kg 1,100**

## **Notes:**

ND - Non-detect; Non-detect is relative to the Reporting Limit.

NA - Not Applicable or Not Available



# **EAST END PROJECT - PRE-DREDGE SEDIMENT RESULTS FOR LEAD**

| Sample Identification                       | Sample Date | Method Number | Analyte | Units | Results | MDL | RL   | ANOTE |
|---------------------------------------------|-------------|---------------|---------|-------|---------|-----|------|-------|
| EE0305-7 East End Dredge Big Bear Lake      | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 12.0    | 0.3 | 13.0 | J     |
| EE0305-13 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 6.0     | 0.3 | 14.0 | J     |
| EE0305-19 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 16.0    | 0.4 | 16.0 |       |
| EE0305-28 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 12.0    | 0.3 | 13.0 | J     |
| EE0305-20 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 14.0    | 0.3 | 14.0 |       |
| EE0305-28 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 13.0    | 0.3 | 13.0 |       |
| EE0305-27 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 15.0    | 0.3 | 14.0 |       |
| EE0305-70 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 4.5     | 0.3 | 12.0 | J     |
| EE0305-79 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 5.6     | 0.3 | 12.0 | J     |
| EE0305-57B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 5.0     | 0.3 | 13.0 | J     |
| EE0305-55 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 4.6     | 0.3 | 15.0 | J     |
| EE0305-12 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 15.0    | 0.3 | 14.0 |       |
| EE0305-14 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 12.0    | 0.3 | 12.0 |       |
| EE0305-32 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 13.0    | 0.3 | 15.0 | J     |
| EE0305-34 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 11.0    | 0.3 | 14.0 | J     |
| EE0305-34 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 12.0    | 0.3 | 14.0 | J     |
| EE0305-39 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 14.0    | 0.4 | 16.0 | J     |
| EE0305-71 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 6.1     | 0.3 | 14.0 | J     |
| EE0305-72 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 5.5     | 0.3 | 13.0 | J     |
| EE0305-57 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 6.3     | 0.3 | 14.0 | J     |
| EE0305-13B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 6020      | Lead    | mg/kg | 12.0    | 0.3 | 13.0 | J     |

**HAZARDOUS MATERIAL THRESHOLD FOR SEDIMENT:**

**mg/kg 1,000**

**NOAA FRESHWATER SEDIMENT GUIDELINES - BACKGROUND:**

**mg/kg 4,000**

## **Notes:**

ND - Non-detect; Non-detect is relative to the Reporting Limit.

NA - Not Applicable or Not Available



# **EAST END PROJECT - PRE-DREDGE SEDIMENT RESULTS FOR MERCURY**

| Sample Identification                       | Sample Date | Method Number | Analyte | Units | Results | MDL   | RL   | ANOTE |
|---------------------------------------------|-------------|---------------|---------|-------|---------|-------|------|-------|
| EE0305-7 East End Dredge Big Bear Lake      | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.031 | 0.26 |       |
| EE0305-13 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.033 | 0.27 |       |
| EE0305-19 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.039 | 0.33 |       |
| EE0305-20 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.033 | 0.28 |       |
| EE0305-28 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.032 | 0.26 |       |
| EE0305-27 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.034 | 0.28 |       |
| EE0305-28 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.031 | 0.26 |       |
| EE0305-70 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.030 | 0.25 |       |
| EE0305-79 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.030 | 0.25 |       |
| EE0305-55 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.036 | 0.30 |       |
| EE0305-57B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.030 | 0.25 |       |
| EE0305-12 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.034 | 0.29 |       |
| EE0305-14 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.030 | 0.25 |       |
| EE0305-32 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.037 | 0.31 |       |
| EE0305-34 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.034 | 0.28 |       |
| EE0305-34 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.033 | 0.28 |       |
| EE0305-39 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.039 | 0.33 |       |
| EE0305-71 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.033 | 0.27 |       |
| EE0305-72 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.032 | 0.26 |       |
| EE0305-57 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.033 | 0.27 |       |
| EE0305-13B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 7471A     | Mercury | mg/kg | ND      | 0.032 | 0.27 |       |

**HAZARDOUS MATERIAL THRESHOLD FOR SEDIMENT:**

**mg/kg**

**20**

**NOAA FRESHWATER SEDIMENT GUIDELINES - BACKGROUND:**

**mg/kg**

**4**

## **Notes:**

ND - Non-detect; Non-detect is relative to the Reporting Limit.

NA - Not Applicable or Not Available



# **EAST END PROJECT - PRE-DREDGE SEDIMENT RESULTS FOR TOTAL CHROMIUM**

| Sample Identification                       | Sample Date | Method Number | Analyte        | Units | Results | MDL  | RL   | ANOTE |
|---------------------------------------------|-------------|---------------|----------------|-------|---------|------|------|-------|
| EE0305-7 East End Dredge Big Bear Lake      | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 23.0    | 0.28 | 13.0 | PbIkJ |
| EE0305-13 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 16.0    | 0.30 | 14.0 | PbIkJ |
| EE0305-19 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 33.0    | 0.36 | 16.0 | PbIkJ |
| EE0305-20 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 26.0    | 0.31 | 14.0 | PbIkJ |
| EE0305-28 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 21.0    | 0.29 | 13.0 | PbIkJ |
| EE0305-28 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 22.0    | 0.29 | 13.0 | PbIkJ |
| EE0305-27 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 23.0    | 0.31 | 14.0 | PbIkJ |
| EE0305-70 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 19.0    | 0.28 | 12.0 | PbIkJ |
| EE0305-79 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 23.0    | 0.28 | 12.0 | PbIkJ |
| EE0305-55 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 18.0    | 0.33 | 15.0 | PbIkJ |
| EE0305-57B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 20.0    | 0.28 | 13.0 | PbIkJ |
| EE0305-14 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 21.0    | 0.27 | 12.0 | PbIkJ |
| EE0305-12 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 27.0    | 0.32 | 14.0 | PbIkJ |
| EE0305-32 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 26.0    | 0.34 | 15.0 | PbIkJ |
| EE0305-34 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 22.0    | 0.31 | 14.0 | PbIkJ |
| EE0305-34 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 23.0    | 0.31 | 14.0 | PbIkJ |
| EE0305-39 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 24.0    | 0.36 | 16.0 | PbIkJ |
| EE0305-71 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 24.0    | 0.30 | 14.0 | PbIkJ |
| EE0305-72 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 22.0    | 0.29 | 13.0 | PbIkJ |
| EE0305-57 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 23.0    | 0.30 | 14.0 | PbIkJ |
| EE0305-13B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 6020      | Total Chromium | mg/kg | 23.0    | 0.29 | 13.0 | PbIkJ |

**HAZARDOUS MATERIAL THRESHOLD FOR SEDIMENT:**

**mg/kg 2,500**

**NOAA FRESHWATER SEDIMENT GUIDELINES - BACKGROUND:**

**mg/kg 7,000**

## **Notes:**

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NA - Not Applicable or Not Available



# **EAST END PROJECT - PRE-DREDGE SEDIMENT RESULTS FOR ZINC**

| Sample Identification                       | Sample Date | Method Number | Analyte | Units | Results | MDL | RL   | ANOTE |
|---------------------------------------------|-------------|---------------|---------|-------|---------|-----|------|-------|
| EE0305-7 East End Dredge Big Bear Lake      | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 76.0    | 1.0 | 13.0 |       |
| EE0305-13 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 33.0    | 1.1 | 14.0 |       |
| EE0305-19 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 92.0    | 1.3 | 16.0 |       |
| EE0305-20 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 81.0    | 1.1 | 14.0 |       |
| EE0305-28 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 73.0    | 1.0 | 13.0 |       |
| EE0305-28 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 72.0    | 1.0 | 13.0 |       |
| EE0305-27 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 86.0    | 1.1 | 14.0 |       |
| EE0305-70 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 22.0    | 1.0 | 12.0 |       |
| EE0305-79 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 31.0    | 1.0 | 12.0 |       |
| EE0305-55 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 25.0    | 1.2 | 15.0 |       |
| EE0305-57B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 26.0    | 1.0 | 13.0 |       |
| EE0305-14 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 63.0    | 1.0 | 12.0 |       |
| EE0305-12 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 88.0    | 1.1 | 14.0 |       |
| EE0305-32 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 72.0    | 1.2 | 15.0 |       |
| EE0305-34 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 63.0    | 1.1 | 14.0 |       |
| EE0305-34 Dup East End Dredge Big Bear Lake | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 67.0    | 1.1 | 14.0 |       |
| EE0305-39 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 69.0    | 1.3 | 16.0 |       |
| EE0305-71 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 32.0    | 1.1 | 14.0 |       |
| EE0305-72 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 31.0    | 1.0 | 13.0 |       |
| EE0305-57 East End Dredge Big Bear Lake     | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 34.0    | 1.1 | 14.0 |       |
| EE0305-13B East End Dredge Big Bear Lake    | 3/7/2005    | EPA 6020      | Zinc    | mg/kg | 69.0    | 1.1 | 13.0 |       |

**HAZARDOUS MATERIAL THRESHOLD FOR SEDIMENT:**

**mg/kg 5,000**

**NOAA FRESHWATER SEDIMENT GUIDELINES - BACKGROUND:**

**mg/kg 7,000**

## **Notes:**

ND - Non-detect; Non-detect is relative to the Reporting Limit.

NA - Not Applicable or Not Available