

Kachemak Bay & Anchor River CEMP Water Quality Data Sheet

Revised 3/2011

Office Use Only

Entry Date

Edit

**All
Chemicals
Current?**

Sample Information

Site ID

Monitoring Kit Number

Date

Kit Condition

Time

Comments

Volunteer Information

Print Name

Signature

Mileage

Hours

Volunteer 1

Volunteer 2

Volunteer 3

Volunteer 4

Hanna Meter Calibration

Meter #

Date

Temp

Cal?

pH 7 (Initial)

Y/N

pH 4 (Final)

Y/N

Cond(Initial)

X

Cond(Final)

Y/N

Precipitation

Type (circle one)

Last 24 hr.
(inches)

Rain

Hail

Snow

Sleet

Number of
Days Similar

Temp. °F

Weather

Clear

Partly Cloudy

Cloudy

Precipitation

Fog or Haze

Wind

Mph

Direction

<1

N

1-3

NE

4-7

E

8-12

SE

13-18

S

19-24

SW

25-31

W

32-38

NW

39-46

Character

47-54

Calm

55-63

Steady

64-72

Variable

73 or greater

Gusting

Sample Location

Depth

Bottom

0-6"

Silty

6-12"

Sandy

12-36"

Muddy

Gravel

Other

Description

Pool

Riffle

Run

Other

Comments

Sketch

Photos

Photo #

Description

Camera #

#

#

#

Additional
Photos

Return to: Cook Inletkeeper
3734 Ben Walters Lane
Homer, AK 99603
907.235.4068

Date _____
Site ID _____

Water Temperature Repeat if not within $\pm 0.5^\circ\text{C}$

| | Replicate 1 | Replicate 2 | Replicate 3 | Location (circle one) |
|-----------------------|-------------|-------------|-------------|--------------------------|
| Time | | | | stream |
| Temp $^\circ\text{C}$ | | | | bucket |

Take replicates up to 5 minutes apart **DQO MET?**

Additional Notes

Turbidity Sample Collection

| Bottle # | Time | Date | Location |
|----------|------|------|---------------|
| | | | stream bucket |

Colorimetric pH

| Replicate 1 | Replicate 2 |
|-------------|-------------|
| | |

Record to nearest 0.25 pH units
DQO MET (0.25)?

Hanna Meter Wait for Hanna meter to stabilize before recording measurement.
Repeat if any two of three replicates are not within: Conductivity $\pm 2\mu\text{S}$, pH ± 0.02 units

| | Replicate 1 | Replicate 2 | Replicate 3 |
|-----------------------------|-------------|-------------|-------------|
| Meter # | | | |
| Start Temp $^\circ\text{C}$ | | | |
| Stop Temp $^\circ\text{C}$ | | | |
| pH | | | |
| Conductivity | | | |

Location (circle one): stream bucket

Comments:

DQO MET?

pH ± 0.02 units
Conductivity $\pm 2\mu\text{S}$

Dissolved Oxygen Repeat if three replicates are not within 0.6 mg/L

| | Replicate 1a | Replicate 2a | Replicate 3a |
|----------------------------------|--------------|--------------|--------------|
| Fix Time | | | |
| Fix Temperature $^\circ\text{C}$ | | | |
| Titration Date | | | |
| Titration Time | | | |

Location (circle one): stream bucket

DQO MET:

| Replicate 1b | Replicate 2b | Replicate 3b |
|--------------|--------------|--------------|
| | | |

Coliform Bacteria

| | 1 ml | 5 ml |
|--------------|------|------|
| Time mixed | | |
| Time plated | | |
| Easygel Exp. | | |
| Date counted | | |
| Time counted | | |

Location: stream bucket

E. coli Colonies
Total Coliform
Teal Colonies

Comments:

Turbidity *for office use*

Final Turbidity: 1. _____ NTU 2. _____ NTU