

file  
POS  
SS-2912-01(61)  
-TBT.5  
field records

WER samples  
 POS Water Quality Datalog .55-2912-01(61)

blanks collected @ this site

SITE: MC d - MC  
 DATE: 1/14/99  
 SAMPLER(S): BP  
 WATER TEMP:  
 WEATHER: light Rain 0630

| Field Measurements: |             |            |           |
|---------------------|-------------|------------|-----------|
| TIME                | pH          | Temp.(°C)  | DO (mg/l) |
| <u>0630</u>         | <u>6.70</u> | <u>7.8</u> | <u>—</u>  |
|                     |             |            |           |
|                     |             |            |           |
|                     |             |            |           |

TAPEDOWN

| BOTTLE     | TIME | WATER LEVEL | COMMENTS                          | (for lab use) FLOW | W.L.  |
|------------|------|-------------|-----------------------------------|--------------------|-------|
| 1A<br>1B   | 0635 | 31.5"       | water looks Turbid and murky, etc | 8                  | 21.5  |
| 2A<br>2B   | 0650 | 31.0"       | " "                               | 9                  | 22    |
| 3A<br>3B   | 0705 | 31.0"       | " "                               | 9                  | 22    |
| 4A<br>4B   | 0720 | 31.0"       | " "                               | 9                  | 22    |
| 5A<br>5B   | 0735 | 30.75"      | still turbid some LEAVES in water | 9                  | 22.25 |
| 6A<br>6B   | 0750 | 30.5"       | " "                               | 10                 | 22.5  |
| 7A<br>7B   | 0805 | 29.75"      | " "                               | 11                 | 23.75 |
| 8A<br>8B   | 0820 | 29.5"       | water level continues to rise     | 12                 | 23.5  |
| 9A<br>9B   | 0835 | 29.0"       | " "                               | 13                 | 24.0  |
| 10A<br>10B | 0850 | 28.5"       | " "                               | 14                 | 24.5  |
| 11A<br>11B | 0905 | 27.75"      |                                   | 16                 | 25.25 |
| 12A<br>12B | 0920 | 27.0"       |                                   | 16                 | 26.0  |
|            |      |             |                                   |                    |       |
|            |      |             |                                   |                    |       |

WATER LEVEL: Take depth measurements as far into the culvert as possible.  
 Circle one: tape down / water level

Measuring Point (describe and/or sketch):

Measure 5' from TOP of culvert To water surface

water level measurements inside culvert, lowest of the two surfaces

53' from TOP of culvert To the substrate

K:\working\2912\55291201\61\datalog

### Flow Weighting Calculation Worksheet

|           |           |
|-----------|-----------|
| Site      | Miller DS |
| Date      | 01/14/99  |
| Pipe Size | 4x4.3     |

| Subsample Number | Water Level | Flow | %           | Subsample Volume (mL) |                        |
|------------------|-------------|------|-------------|-----------------------|------------------------|
| 1                | 21.5        | 8    | 0.058823529 | 352.9411765           | 587                    |
| 2                | 22          | 9    | 0.066176471 | 397.0588235           | 662                    |
| 3                | 22          | 9    | 0.066176471 | 397.0588235           | 662                    |
| 4                | 22          | 9    | 0.066176471 | 397.0588235           | 662                    |
| 5                | 22.25       | 9    | 0.066176471 | 397.0588235           | 662                    |
| 6                | 22.5        | 10   | 0.073529412 | 441.1764706           | 735                    |
| 7                | 23.25       | 11   | 0.080882353 | 485.2941176           | 808                    |
| 8                | 23.5        | 12   | 0.088235294 | 529.4117647           | 881                    |
| 9                | 24          | 13   | 0.095588235 | 573.5294118           | 955                    |
| 10               | 24.5        | 14   | 0.102941176 | 617.6470588           | 1025                   |
| 11               | 25.25       | 16   | 0.117647059 | 705.8823529           | 1175                   |
| 12               | 26          | 16   | 0.117647059 | 705.8823529           | 1175                   |
| 13               |             |      |             |                       |                        |
| 14               |             |      |             |                       |                        |
| 15               |             |      |             |                       |                        |
| 16               |             |      |             |                       |                        |
| 17               |             |      |             |                       |                        |
| 18               |             |      |             |                       |                        |
| 19               |             |      |             |                       |                        |
| 20               |             |      |             |                       |                        |
|                  |             | 136  | 1           | 6000                  | (should total 6000 mL) |

|                  |        |
|------------------|--------|
| total storm flow | 122400 |
|------------------|--------|

171

SITE: MC u = MCB  
 DATE: 1/14/99  
 SAMPLER(S): RS  
 WATER TEMP: \_\_\_\_\_  
 WEATHER: rainy overcast

| Field Measurements: |      |           |           |
|---------------------|------|-----------|-----------|
| TIME                | pH   | Temp.(°C) | DO (mg/l) |
| 0730                | 5.95 | 7.0       |           |
|                     |      |           |           |
|                     |      |           |           |
|                     |      |           |           |

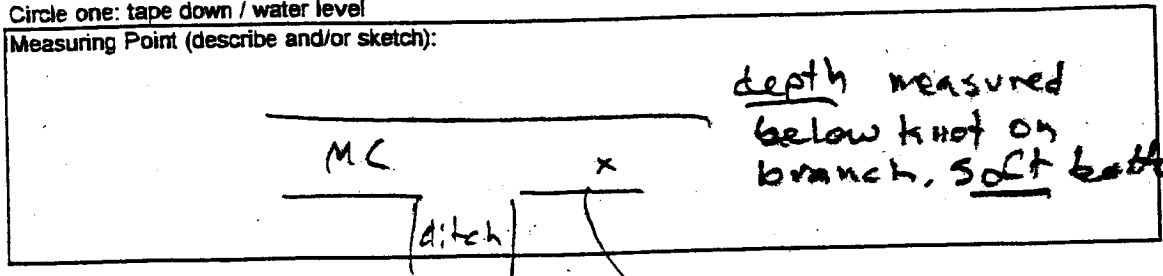
| BOTTLE | TIME | WATER LEVEL | COMMENTS   | (for lab use)<br>FLOW |
|--------|------|-------------|------------|-----------------------|
| 1A     |      |             |            |                       |
| 1B     | 0727 | 15 1/2      |            |                       |
| 2A     |      |             | soft spot? |                       |
| 2B     | 0741 | 17          |            |                       |
| 3A     |      |             |            |                       |
| 3B     | 0756 | 15 1/2      |            |                       |
| 4A     |      |             |            |                       |
| 4B     | 0810 | 15          |            |                       |
| 5A     |      |             |            |                       |
| 5B     | 0825 | 14 1/2      |            |                       |
| 6A     |      |             |            |                       |
| 6B     | 0840 | 15          |            |                       |
| 7A     |      |             |            |                       |
| 7B     | 0855 | 15          |            |                       |
| 8A     |      |             |            |                       |
| 8B     | 0910 | 15          |            |                       |
| 9A     |      |             |            |                       |
| 9B     | 0925 | 15 1/2      |            |                       |
| 10A    |      |             |            |                       |
| 10B    | 0940 | 14 1/2      |            |                       |
| 11A    |      |             |            |                       |
| 11B    | 0955 | 15 1/2      |            |                       |
| 12A    |      |             |            |                       |
| 12B    |      |             |            |                       |

5.95

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):



EVEN COMPOSITE

POS Water Quality Datalog 55-2912-01(61)

SITE: LR  
 DATE: 1/14/99  
 SAMPLER(S): RS  
 WATER TEMP: 7.0  
 WEATHER: overcast/rain

| Field Measurements: |      |           |           |
|---------------------|------|-----------|-----------|
| TIME                | pH   | Temp.(°C) | DO (mg/l) |
| 0730                | 6.01 | 7.0       | -         |
|                     |      |           |           |
|                     |      |           |           |
|                     |      |           |           |

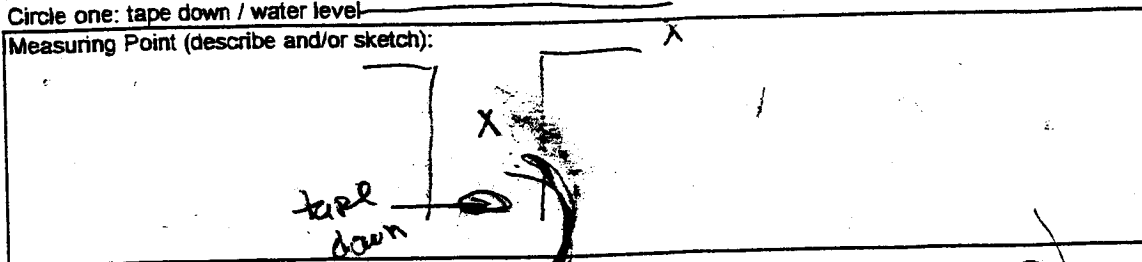
| BOTTLE     | TIME | WATER LEVEL | COMMENTS                           | (for lab use)<br>FLOW |
|------------|------|-------------|------------------------------------|-----------------------|
| 1A<br>1B   | 0715 | 20.5"       | water in LR for<br>over flow ditch |                       |
| 2A<br>2B   | 0735 | 21.5        | X                                  |                       |
| 3A<br>3B   | 0750 | 14"         | tape down for culvert              |                       |
| 4A<br>4B   | 0803 | 14 1/4      | }                                  |                       |
| 5A<br>5B   | 0818 | 14 3/4      |                                    |                       |
| 6A<br>6B   | 0833 | 13 3/4"     | }                                  |                       |
| 7A<br>7B   | 0850 | 13 1/2      |                                    |                       |
| 8A<br>8B   | 0905 | 13 1/2      | }                                  |                       |
| 9A<br>9B   | 0920 | 13 1/4      |                                    |                       |
| 10A<br>10B | 0935 | 13          |                                    |                       |
| 11A<br>11B | 0950 | 13          |                                    |                       |
| 12A<br>12B | 1005 | 12 3/4      |                                    |                       |
|            |      |             |                                    |                       |
|            |      |             |                                    |                       |

\* Large cobble  
 makes ~~bad~~ repeat  
 spot for water level  
 very tough.  
 I moved to culvert  
 starting w/ 3A & 5B

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):



LR

COMPOSITE CONTAINER  
 NOT TRIPLEX  
 RINSED

EVEN COMPOSITE

working\2912\55291201\61\datalog

POS Water Quality Datalog 55-2912-01(61)

SITE: WC  
 DATE: 1/11/99  
 SAMPLER(S): SK  
 WATER TEMP: \_\_\_\_\_  
 WEATHER: \_\_\_\_\_

| Field Measurements: |     |            |           |
|---------------------|-----|------------|-----------|
| TIME                | pH  | Temp. (°C) | DO (mg/l) |
| 0820                | 7.0 | 8.7        |           |
|                     |     |            |           |
|                     |     |            |           |
|                     |     |            |           |

| BOTTLE     | TIME | WATER LEVEL | COMMENTS   | (for lab use)<br>FLOW |
|------------|------|-------------|------------|-----------------------|
| 1A<br>1B   | 0700 | 8cm         | light rain |                       |
| 2A<br>2B   | 0715 | 8cm         | light rain |                       |
| 3A<br>3B   | 0730 | 7.7cm       | light rain |                       |
| 4A<br>4B   | 0745 | 7.8cm       | light rain |                       |
| 5A<br>5B   | 0800 | 7.8cm       | light rain |                       |
| 6A<br>6B   | 0815 | 7.8cm       | light rain |                       |
| 7A<br>7B   | 0820 | 7.9cm       | Rain       |                       |
| 8A<br>8B   | 0845 | 7.9cm       | Rain       |                       |
| 9A<br>9B   | 0900 | 8.0cm       | Rain       |                       |
| 10A<br>10B | 0915 | 8.0cm       | Rain       |                       |
| 11A<br>11B | 0930 | 8.0cm       | Rain       |                       |
| 12A<br>12B | 0945 | 8.0cm       | Rain       |                       |
|            |      |             |            |                       |
|            |      |             |            |                       |

833  
 1210.0  
96  
 40  
36

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):

(COMPOSITE CONTAINER NOT TRIPLE RINSED)  
 EVEN COMPOSITE.

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AR 024890

POS Water Quality Datalog 55-2912-01(61)

SITE: STO  
 DATE: 1/14/99  
 SAMPLER(S): Jenna Lemish / JTE Giegler  
 WATER TEMP: 8.5  
 WEATHER: Cloudy rain  
45 to 50°

| Field Measurements: |      |           |           |
|---------------------|------|-----------|-----------|
| TIME                | pH   | Temp.(°C) | DO (mg/l) |
| 8:30                | 7.28 | 8.5       |           |
|                     |      |           |           |
|                     |      |           |           |
|                     |      |           |           |

| BOTTLE     | TIME | WATER LEVEL       | COMMENTS              | (for lab use)<br>FLOW |
|------------|------|-------------------|-----------------------|-----------------------|
| 1A<br>1B   | 6:30 | 10"               | turbid                |                       |
| 2A<br>2B   | 6:45 | 10"               | Smells musty          |                       |
| 3A<br>3B   | 6:50 | 10"               |                       |                       |
| 4A<br>4B   | 7:15 | 10"               |                       |                       |
| 5A<br>5B   | 7:30 | 9.5               | supercritical flow    |                       |
| 6A<br>6B   | 7:45 | 10 <del>9.5</del> | standing wave in flow |                       |
| 7A<br>7B   | 8:00 | 10"               |                       |                       |
| 8A<br>8B   | 8:15 | 10"               |                       |                       |
| 9A<br>9B   | 8:30 | 10"               |                       |                       |
| 10A<br>10B | 8:45 | 10.5              |                       |                       |
| 11A<br>11B | 9:00 | 11                |                       |                       |
| 12A<br>12B | 9:15 | 11                |                       |                       |
|            |      |                   |                       |                       |
|            |      |                   |                       |                       |

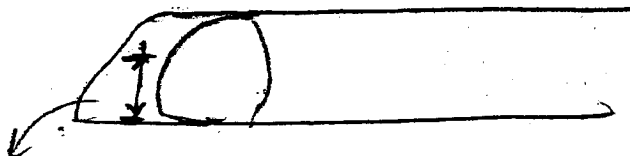
Blue or Purple labels

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):

NOTE 11A red labels. keep falling off.



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EVEN COMPOSITE

AR 024891

chem labels = STOD

SITE: STO DUP  
 DATE: 1/19/95  
 SAMPLER(S): Imhoff cone / OTC Giger  
 WATER TEMP: 8.5  
 WEATHER: Cloudy / rain 45-50°

| Field Measurements: |      |           |           |
|---------------------|------|-----------|-----------|
| TIME                | pH   | Temp.(°C) | DO (mg/l) |
| 8:30                | 7.28 | 8.5       |           |
|                     |      |           |           |
|                     |      |           |           |
|                     |      |           |           |

| BOTTLE     | TIME | WATER LEVEL    | COMMENTS                  | (for lab use)<br>FLOW |
|------------|------|----------------|---------------------------|-----------------------|
| 1A<br>1B   | 6:30 | 10"            | turbid, smells            |                       |
| 2A<br>2B   | 6:45 | 10"            | musty                     |                       |
| 3A<br>3B   | 7:00 | 10"            | "                         |                       |
| 4A<br>4B   | 7:15 | 10"            | "                         |                       |
| 5A<br>5B   | 7:30 | 9.5            | supercritical<br>flow     |                       |
| 6A<br>6B   | 7:45 | <del>10"</del> | STANDING WAVES<br>IN FLOW |                       |
| 7A<br>7B   | 8:00 | 10"            |                           |                       |
| 8A<br>8B   | 8:15 | 10"            |                           |                       |
| 9A<br>9B   | 8:30 | 10"            |                           |                       |
| 10A<br>10B | 8:45 | 10.5           |                           |                       |
| 11A<br>11B | 9:00 | 11             |                           |                       |
| 12A<br>12B | 9:15 | 11             |                           |                       |
|            |      |                |                           |                       |
|            |      |                |                           |                       |

Orange  
Red  
Labels

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):

\*Note red 11A label keeps falling off

EVEN COMPOSITE



SITE: PMCE = DMC - east  
 DATE: 1/19/99  
 SAMPLER(S): \_\_\_\_\_  
 WATER TEMP: 5  
 WEATHER: 43

| Field Measurements: |      |           |           |
|---------------------|------|-----------|-----------|
| TIME                | pH   | Temp.(°C) | DO (mg/l) |
| 9:15                | 7.38 | 5.7       |           |
|                     |      |           |           |
|                     |      |           |           |
|                     |      |           |           |

TAPE DOWN → ↓

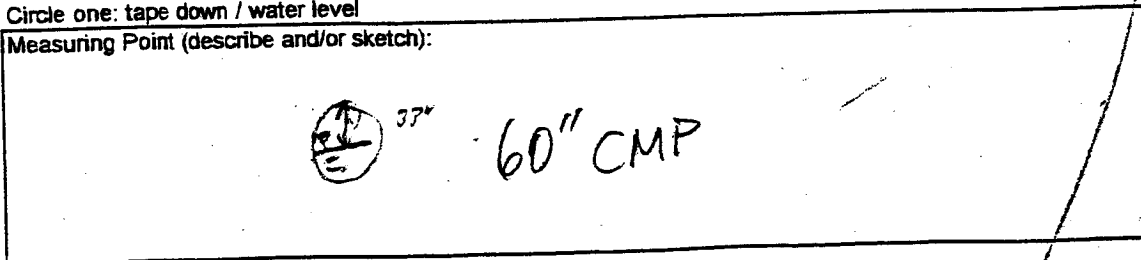
| BOTTLE     | TIME | WATER LEVEL | COMMENTS | ↓       | (for lab use)<br>FLOW |
|------------|------|-------------|----------|---------|-----------------------|
| 1A<br>1B   | 6:45 | 33"         |          | 27"     | 18                    |
| 2A<br>2B   | 7:00 | 33"         |          | 27"     | 18                    |
| 3A<br>3B   | 7:16 | 2' 9 1/2"   |          | 31 1/2" | 36                    |
| 4A<br>4B   | 7:29 | 33"         |          | 27"     | 18                    |
| 5A<br>5B   | 7:45 | 32.5"       |          | 27 1/2" | 18                    |
| 6A<br>6B   | 7:59 | 32.5"       |          | 27 1/2" | 18                    |
| 7A<br>7B   | 8:15 | 32.5"       |          | 27 1/2" | 18                    |
| 8A<br>8B   | 8:30 | 32.5"       |          | 27 1/2" | 18                    |
| 9A<br>9B   | 8:45 | 32"         |          | 28"     | 20                    |
| 10A<br>10B | 9:00 | 31.5"       |          | 28 1/2" | 18                    |
| 11A<br>11B | 9:15 | 31.25"      |          | 28 1/2" | 18                    |
| 12A<br>12B | 9:30 | 31.25"      |          | 28 1/2" | 18                    |
|            |      |             |          |         |                       |
|            |      |             |          |         |                       |

→ ASSUME ANOMALOUS POINT DOES NOT CORRESPOND TO PEAKS OBSERVED AT OTHER SITES (CALLING OTHERS)

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):



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EVEN COMPOSITE

F

POS Water Quality Datalog 55-2912-01(61)

SITE: B DMCW = DMC-west  
 DATE: 11/14/99  
 SAMPLER(S): JH-SB  
 WATER TEMP:  
 WEATHER: ~45° RAIN

| Field Measurements: |      |           |           |
|---------------------|------|-----------|-----------|
| TIME                | pH   | Temp.(°C) | DO (mg/l) |
| 9:11                | 7.16 | 7.4       | -         |
|                     |      |           |           |
|                     |      |           |           |
|                     |      |           |           |

| BOTTLE     | TIME | WATER LEVEL | COMMENTS | (for lab use)<br>FLOW |
|------------|------|-------------|----------|-----------------------|
| 1A<br>1B   | 6:35 | 36"         |          |                       |
| 2A<br>2B   | 6:52 | 37"         |          |                       |
| 3A<br>3B   | 7:07 | 37"         |          |                       |
| 4A<br>4B   | 7:22 | 36.5"       |          |                       |
| 5A<br>5B   | 7:35 | 36.5"       |          |                       |
| 6A<br>6B   | 7:51 | 36.5"       |          |                       |
| 7A<br>7B   | 8:04 | 36.5"       |          |                       |
| 8A<br>8B   | 8:19 | 36"         |          |                       |
| 9A<br>9B   | 8:34 | 36"         |          |                       |
| 10A<br>10B | 8:49 | 36"         |          |                       |
| 11A<br>11B | 9:06 | 35.75"      |          |                       |
| 12A<br>12B | 9:21 | 35.75"      |          |                       |
|            |      |             |          |                       |
|            |      |             |          |                       |

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):



K:\working\2912\55291201\61\datalog

EVEN COMPOSITE.

AR 024894

Marti 9 clean

Port of Seattle 55-2912-01 (61)  
Storm Water Quality (401 Certification)

Sample Numbers: MCB, MC, WC, DMC-west, DMC-east, LR, SDS3, STO, ~~SPOT~~ (blank), DUP

| ANALYSIS                               | EPA METHOD | WATER CONTAINER | PRESERVATIVE REQUIRED | HOLDING TIMES | NUMBER OF SAMPLES | FIELD FILTERED |
|--|------------|-----------------|-----------------------|---------------|-------------------|----------------|
| TOC                                    | 415.2      | 250 ml AG       | none                  | 28 days       | 8+2               | no             |
| DOC                                    | 415.2      | 250 ml AG       | none                  | 22 days       | 8+2               | yes            |
| TSS                                    | 180.2      | 1 L HDPE        | none                  | 7 days        | 8+2               | no             |
| Dissolved metals (Cu, Pb, Zn)          | *          | 250 ml HDPE     | HCL                   | 6 mo          | 8+2               | yes            |
| Total metals (Cu, Pb, Zn) and hardness | *          | 250 ml HDPE     | HCL                   | 6 mo          | 8+2               | no             |

AG = Amber Glass  
HDPE = High Density Polyethylene  
\* EPA methods for metals and hardness  
Cu 220.2  
Pb 239.2  
Zn 200.7  
hardness 130.2

NEPL  
TSS  
Total Cu, Pb, Zn, Cd  
(TPH)

1L HDPE  
1L HDPE (250)HCL  
none

40 hrs  
6 mo  
—

no  
no  
no

blends are  
WC + SDS3 (4) = 0.5L  
MCD + SDS3 (5) = 0.5L

AG  
1L

K:\Work\1912155291201\STORMBOT.XLS

SITE: NEPL  
 DATE: 11/4/99  
 SAMPLER(S): 3rd Valve  
 WATER TEMP: 8.2°C  
 WEATHER: Rainy Rain  
Subsided to a  
drizzle towards  
End of sampling

| Field Measurements: |      |           |           |
|---------------------|------|-----------|-----------|
| TIME                | pH   | Temp.(°C) | DO (mg/l) |
| 0744                | 6.40 | 8.2       |           |
|                     |      |           |           |
|                     |      |           |           |
|                     |      |           |           |

| BOTTLE        | TIME | WATER LEVEL | COMMENTS       | (for lab use)<br>FLOW |
|---------------|------|-------------|----------------|-----------------------|
| <del>1A</del> | 0700 | 21" →       | 19" the        |                       |
| <del>1B</del> |      |             |                |                       |
| 2A            | 0715 | 20" →       | 18" water      |                       |
| <del>2B</del> |      |             |                |                       |
| 3A            | 0730 | 21" →       | 19" Had a      |                       |
| <del>3B</del> |      |             |                |                       |
| 4A            | 0745 | 21" →       | 19" Kerosene   |                       |
| <del>4B</del> |      |             |                |                       |
| 5A            | 0800 | 21" →       | 19" Like       |                       |
| <del>5B</del> |      |             |                |                       |
| 6A            | 0815 | 21" →       | 19" order      |                       |
| <del>6B</del> |      |             |                |                       |
| 7A            | 0830 | 21" →       | 19" throughout |                       |
| 7B            |      |             |                |                       |
| 8A            | 0845 | 21" →       | 19" sampling   |                       |
| 8B            |      |             |                |                       |
| 9A            | 0900 | 21" →       | 19"            |                       |
| 9B            |      |             |                |                       |
| 10A           | 0915 | 21" →       | 19"            |                       |
| 10B           |      |             |                |                       |
| 11A           | 0930 | 20 1/2" →   | 18 1/2"        |                       |
| 11B           |      |             |                |                       |
| 12A           | 0945 | 20 1/2" →   | 18 1/2"        |                       |
| 12B           |      |             |                |                       |

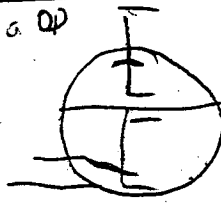
WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):

- 2" From Water level  
 I wasn't accounting  
 for bottom pipe wall

2 Ft Dia OP  
 Pipe  
 20" ID  
 2 inch  
 wall



Estimate 2 ft  
 Pipe  
 measured from  
 water surface

is top of pipe  
 subtracted that  
 value to get  
 water depth

EVEN COMPOSITE.

K:\working\2912\55291201\61\datalog

# Field Sample / Chain of Custody Record

Region/Estuary:

Quarter:

Year:

Parametrix, Inc. • 6608 Lake Washington Blvd. • Kirkland, Washington 98033 • 425-822-9880 • Fax 425-889-8808

Project Name: Part of Sea He Client: PARAMETRIX

Samplers: R. Simmons, J. Kaph Recorder: R.S.

Project Number: 55-2912-01(61)

| Matrix   | # of Containers and Preservatives | Sample Number | Date  |     |      | Station and Sample Description   |
|----------|-----------------------------------|---------------|-------|-----|------|--|
|          |                                   |               | Month | Day | Year |  |
| Water    | 3                                 | POS NEPL      | 1     | 14  | 99   | Please analyze for TSS, TPH, Total Metals (Cu, Pb, Zn, Cd) and hardness.<br>Now filtered or preserved. |
| Tissue   |                                   |               |       |     |      |  |
| Sediment |                                   |               |       |     |      |  |
| Other    |                                   |               |       |     |      |  |

Total Containers: 3

## Chain of Custody Record (Please Print)

| Relinquished By: (Name) | Date    | Time  | Received By: (Name)    | Date    | Time |
|-------------------------|---------|-------|------------------------|---------|------|
| <u>R. Simmons</u>       | 1/15/99 | 12:30 | <u>J. Kaph</u>         | 1/15/99 | 3:05 |
| <u>J. Kaph</u>          | 1-15-99 | 5:05  | <u>Phil. G. Nelson</u> | 1/15/99 | 3:05 |
|                         |         |       |                        |         |      |
|                         |         |       |                        |         |      |

## \*For Field Spikes Only

Study#:  
Sample #:  
Exp Date:  
Standard:

## Shipping Information

Cooler#:  
Airbill #:  
of Coolers on this Airbill

White Copy: Laboratory • Yellow Copy: Return to Parametrix, Inc. • Pink Copy: Parametrix, Inc.

# Field Sample / Chain of Custody Record

Region/Estuary:

Quarter:

Year:

Parametrix, Inc. • 6008 Lake Washington Blvd. • Kirkland, Washington 98033 • 426-922-9860 • Fax 426-989-9806

Project Name: Port of Seattle Project Number: 55-2912-01 (6) Client: Parametrix, Inc.  
 Samplers: R. Simmons, J. Kaph Recorder: R. Simmons

| Matrix | # of Containers and Preservatives | Sample Number | Date  |     |      | Station and Sample Description   |
|--------|-----------------------------------|---------------|-------|-----|------|--|
|        |                                   |               | Month | Day | Year |  |
| Water  | 5                                 | POS MCB       | 1     | 14  | 99   | Please analyze for TOC, DOC, TSS, Total Metals (Cu, Pb, Zn) and Dissolved Metals (Cu, Pb, Zn).<br>Dis. Metals & organic carbon in filtered w/ 0.45µm canister filter.<br>In samples have been preserved. |
| Water  | 5                                 | POS MC        |       |     |      |  |
| Water  | 5                                 | POS WC        |       |     |      |  |
| Water  | 5                                 | POS DMG-W     |       |     |      |  |
| Water  | 5                                 | POS DMG-R     |       |     |      |  |
| Water  | 5                                 | POS LR        |       |     |      |  |
| Water  | 5                                 | POS SDS3      |       |     |      |  |
| Water  | 5                                 | STD POS STD   |       |     |      |  |
| Water  | 5                                 | POS STD       |       |     |      |  |
| Water  | 5                                 | POS blank     |       |     |      |  |
| Water  | 4                                 | POS SDS3/WC   |       |     |      |  |
| Water  | 4                                 | POS SDS3/MC   |       |     |      |  |

| Chain of Custody Record (Please Print) |                |              |                     |
|--|----------------|--------------|---------------------|
| Relinquished By: (Name)                | Date           | Time         | Received By: (Name) |
| <u>Ronald A. Simon</u>                 | <u>1/15/99</u> | <u>12:30</u> | <u>[Signature]</u>  |
| <u>[Signature]</u>                     | <u>1-15-99</u> | <u>8:05</u>  | <u>[Signature]</u>  |
|  |                |              |                     |
|  |                |              |                     |
|  |                |              |                     |
|  |                |              |                     |

\*For Field Spikes Only

Study #: \_\_\_\_\_  
 Sample #: \_\_\_\_\_  
 Exp Date: \_\_\_\_\_  
 Standard: \_\_\_\_\_

Shipping Information  
 Cooler #: \_\_\_\_\_  
 Airbill #: \_\_\_\_\_  
 of \_\_\_\_\_ Coolers on this Airbill

White Copy: Laboratory • Yellow Copy: Return to Parametrix, Inc. • Pink Copy: Parametrix, Inc.

file T61.5

POS Water Quality Datalog 55-2912-01(61)

SITE: [REDACTED]  
 DATE: 12/24/98  
 SAMPLER(S): 1 L  
 WATER TEMP: \_\_\_\_\_  
 WEATHER: LIGHT RAIN

| Field Measurements: |      |           |           |
|---------------------|------|-----------|-----------|
| TIME                | pH   | Temp.(°C) | DO (mg/l) |
| 13:40               | 7.40 |           |           |
|                     |      |           |           |
|                     |      |           |           |
|                     |      |           |           |

| BOTTLE        | TIME  | WATER LEVEL | COMMENTS | (for lab use) FLOW |
|---------------|-------|-------------|----------|--------------------|
| 1A            |       |             | pH       |                    |
| 1B            | 13:40 | 6.5"        | 7.4      | Temp 4.1 C         |
| 2A            |       |             |          |                    |
| 2B            | 17:09 | 8"          | 7.3      | 4.0 C              |
| 3A            |       |             |          |                    |
| 3B            | 18:59 | 8"          | 8.2      | 2.9                |
| 4A            |       |             |          |                    |
| 4B            | 22:41 | 7.5"        | 7.755    | 2.5 C              |
| 5A            |       |             |          |                    |
| 5B            | 0:05  | 7.5"        | 7.9      | 3.5 C              |
| 6A            |       |             |          |                    |
| 6B            | 1:10  | 7.5"        | 9.2      | 3.3                |
| <del>7A</del> |       |             |          |                    |
| 7B 1          | 14:20 | 11"         | pH 7.1   | Temp 4.2 C SOFT    |
| 8A            |       |             |          |                    |
| 8B 2          | 18:10 | 17"         | 7.2      | Temp 3.6           |
| 9A            |       |             |          |                    |
| 9B 3          | 19:50 | 17"         | 7.5      | 3.5                |
| 10A           |       |             |          |                    |
| 10B 4         | 23:42 | 1' 5" = 17" | 7.7      | 3.2                |
| 11A           |       |             |          |                    |
| 11B 5         | 00:47 | 17"         | 7.7      | 3.8                |
| 12A           |       |             |          |                    |
| 12B 6         | 01:51 | 17"         | 10.0     | 4.4 3M             |

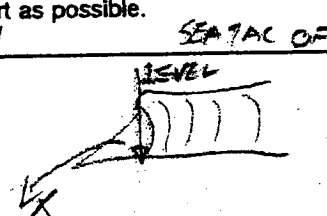
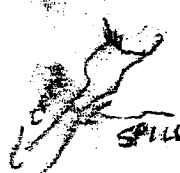
[REDACTED]  
 12/24/98  
 1 L  
 TIME 14:20  
 PH  
 TEMP

WATER LEVEL: Take depth measurements as far into the culvert as possible.  
 Circle one: tape down / water level

Measuring Point (describe and/or sketch):

SOFT BOTTOM ~ APPROX LEVEL  
 IN STRE

LAKE AREA





POS Water Quality Datalog 55-2912-01(61)

SITE:                       
 DATE: 12/24/98  
 SAMPLER(S):                       
 WATER TEMP:                       
 WEATHER: DRIZZLE

| Field Measurements: |     |           |           |
|---------------------|-----|-----------|-----------|
| TIME                | pH  | Temp.(°C) | DO (mg/l) |
| 14:00               | 6.8 | 4.4 c     |           |
|                     |     |           |           |
|                     |     |           |           |
|                     |     |           |           |

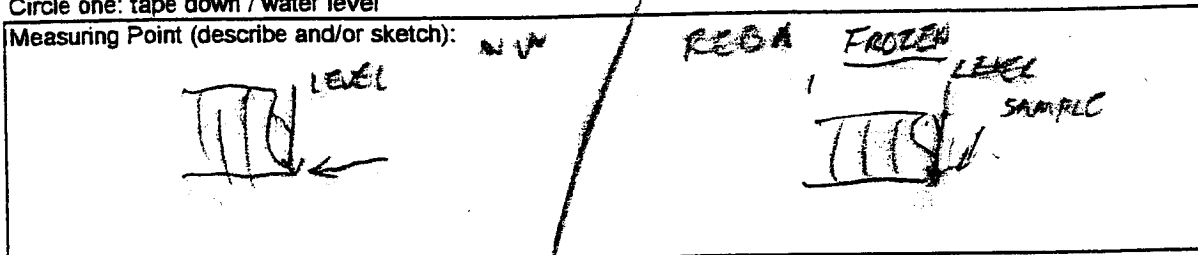
| BOTTLE     | TIME  | WATER LEVEL             | COMMENTS           | (for lab use)<br>FLOW |
|------------|-------|-------------------------|--------------------|-----------------------|
| 1A<br>1B   | 14:00 | 15"                     |                    |                       |
| 2A<br>2B   | 17:30 | <sup>FEEDER</sup> 20.5" | pH 7.4    TEMP 5.2 |                       |
| 3A<br>3B   | 19:10 | 19"                     | 8.7    3.1         |                       |
| 4A<br>4B   | 23:12 | 1'10" = 22"             | 7.8    3.4         |                       |
| 5A<br>5B   | 0:19  | 2' = 24"                | 8.0    3.4         |                       |
| 6A<br>6B   | 1:24  | 7' = 24"                | 9.8    3.3         |                       |
| 7A<br>7B   | 14:30 | 13"                     | pH 7.5    TEMP 3.4 | No Flow               |
| 8A<br>8B   | 18:12 | 13"                     | 7.3    1.7c        |                       |
| 9A<br>9B   | 19:35 | 14"                     | 7.9    1.8c        |                       |
| 10A<br>10B | 23:37 | 14.5"                   | 8.0    3.2c        |                       |
| 11A<br>11B | 00:40 | 14.5"                   | 8.0    2.2c        |                       |
| 12A<br>12B | 01:46 | 14.0                    | 10.2    2.3c       |                       |
|            |       |                         |                    |                       |
|            |       |                         |                    |                       |

                      
 1L 12/24/98  
 19:30

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

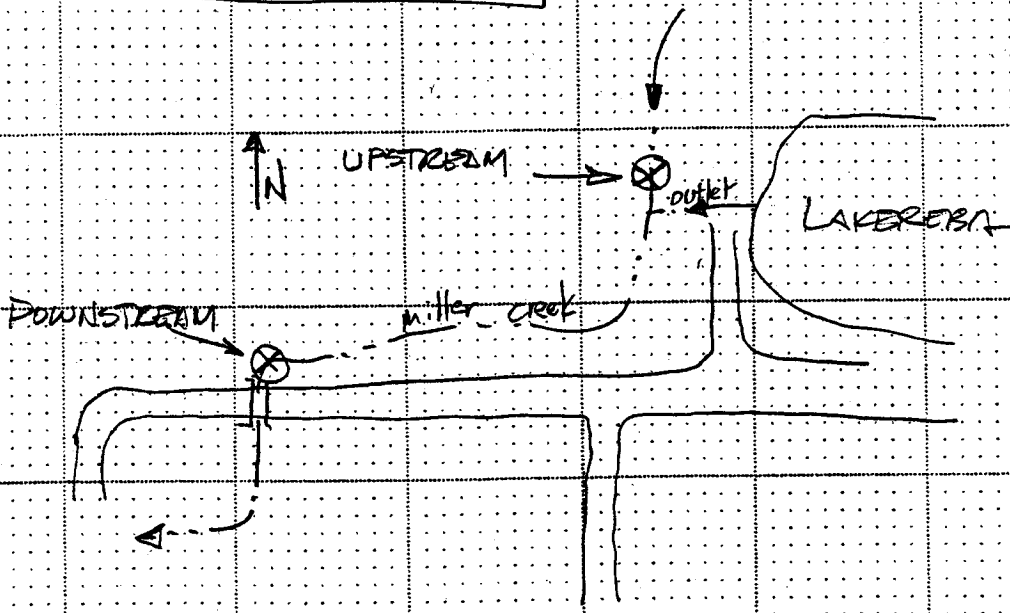
Measuring Point (describe and/or sketch):



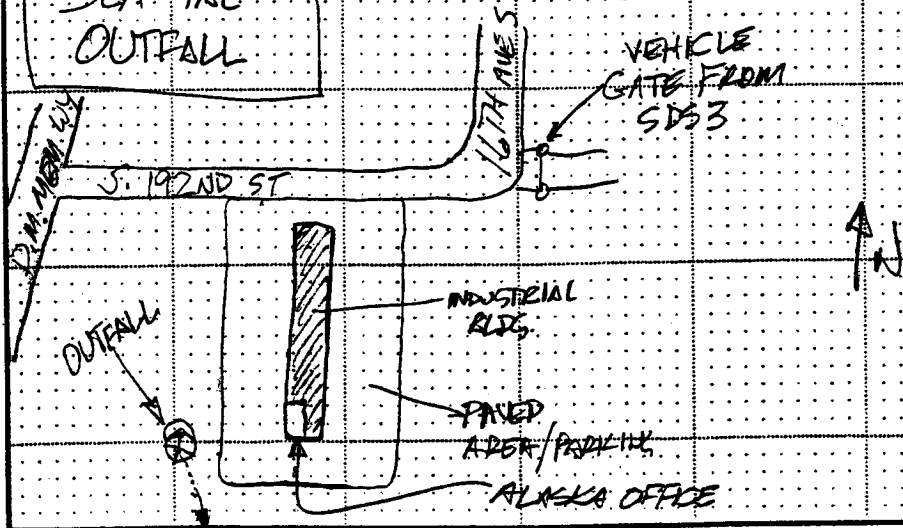
ROW -

THE SITES:

LAKE REBA  
UPSTREAM + DOWNSTREAM

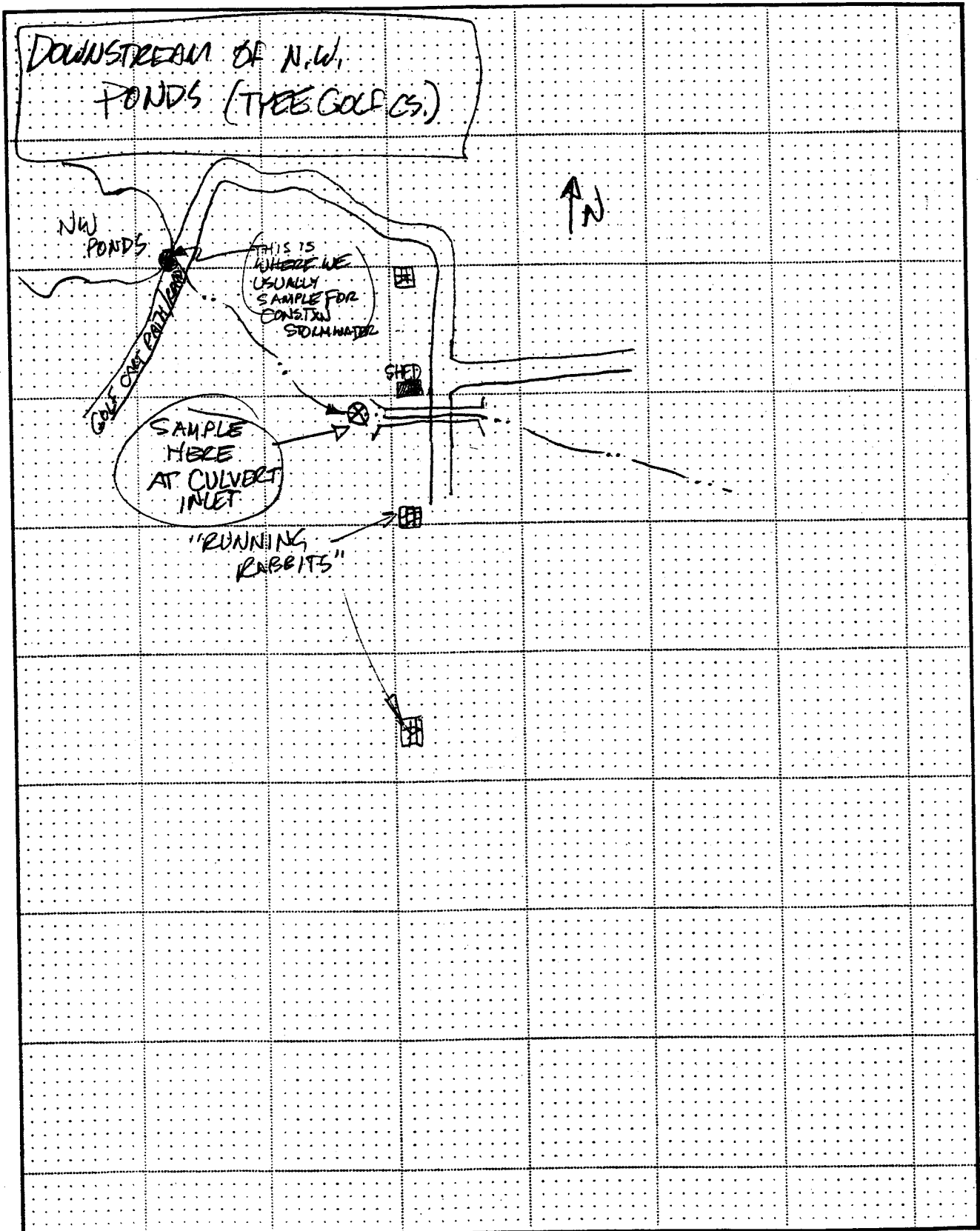


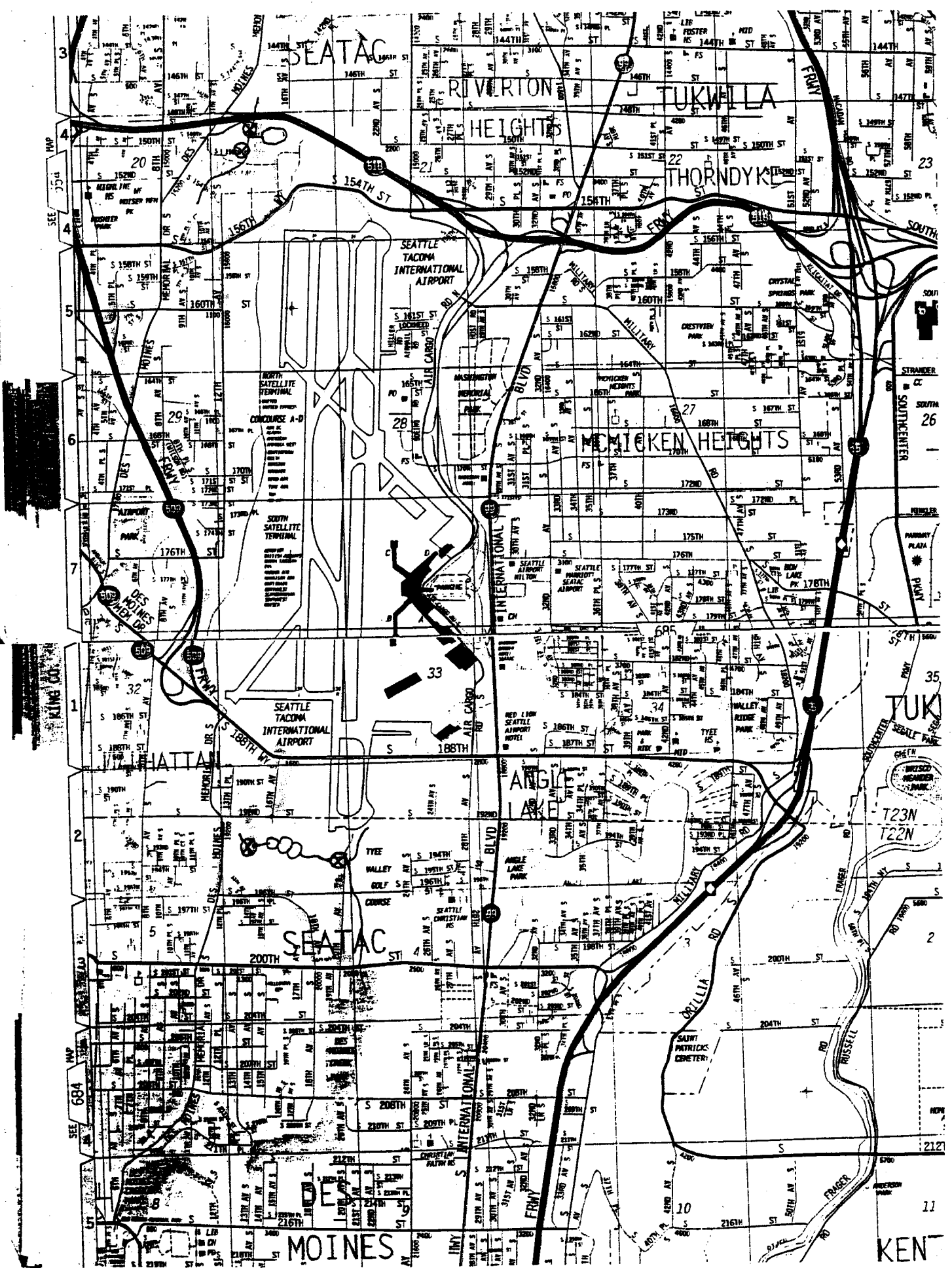
SEA-TAC  
OUTFALL



# Parametrix, Inc.

PROJECT \_\_\_\_\_ JOB NO \_\_\_\_\_  
BY \_\_\_\_\_ DATE \_\_\_\_\_ CHECKED \_\_\_\_\_ DATE \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_





# Field Sample / Chain of Custody Record

Region/Estuary:

Quarter:

Year:

Parametrix, Inc. • 5808 Lake Washington Blvd. • Kirkland, Washington 98033 • 425-822-8880 • Fax 425-889-8808

Project Name: Port of Seattle Client: Parametrix, Inc  
 Samplers: R. Simmons, J. Higashi, T. Atkins Project Number: 55-2912-01(6) Recorder: R. Simmons

| Matrix            | # of Containers and Preservatives | Sample Number | Date  |     |      | Station and Sample Description                                     |
|-------------------|-----------------------------------|---------------|-------|-----|------|--|
|                   |                                   |               | Month | Day | Year |  |
| Water             | 1                                 | 1             | 12    | 24  | 98   | Please analyze for total metals:<br>Samples not preserved in field |
| Tissue            | 1                                 | 2             |       |     |      |  |
| Sediment          | 1                                 | 3             |       |     |      |  |
| Other             | 1                                 | 4             |       |     |      |  |
|                   | 1                                 | 5             |       |     |      |  |
|                   | 1                                 | 6             |       |     |      |  |
|                   | 1                                 | NW Ponds 1    |       |     |      |  |
|                   | 1                                 | 2             |       |     |      |  |
|                   | 1                                 | 3             |       |     |      |  |
|                   | 1                                 | 4             |       |     |      |  |
|                   | 1                                 | 5             |       |     |      |  |
|                   | 1                                 | 6             |       |     |      |  |
| Total Containers: |                                   | 1             |       |     |      |  |

### Chain of Custody Record (Please Print)

| Relinquished By: (Name) | Date:    | Time: | Received By: (Name) | Date:    | Time: |
|-------------------------|----------|-------|---------------------|----------|-------|
| Ronald A. Simon         | 12/24/98 | 1615  | Tom Malow           | 12/24/98 | 1615  |
|                         |          |       |                     |          |       |
|                         |          |       |                     |          |       |
|                         |          |       |                     |          |       |

\*For Field Spikes Only

Study#: \_\_\_\_\_  
 Sample #: \_\_\_\_\_  
 Exp Date: \_\_\_\_\_  
 Standard: \_\_\_\_\_

Shipping Information

Cooler#: \_\_\_\_\_  
 Airbill #: \_\_\_\_\_  
 of \_\_\_\_\_ Coolers on this Airbill

# Field Sample / Chain of Custody Record

Year: \_\_\_\_\_

Quarter: \_\_\_\_\_

Region/Estuary: \_\_\_\_\_

Parametrix, Inc. • 5808 Lake Washington Blvd. • Kirkland, Washington 98033 • (425-822-8880) • Fax 425-888-8808

Project Name: Port of Seattle Client: Parametrix, Inc.  
 Samplers: R. Simmons, J. Higabi, J. Atkins Recorder: R. Simmons  
 Project Number: 55-2912-01(6)

| Matrix      | # of Containers and Preservatives | Sample Number | Date  |     |      | Station and Sample Description                                     |
|-------------|-----------------------------------|---------------|-------|-----|------|--|
|             |                                   |               | Month | Day | Year |  |
| Water       | 1                                 | LK Reba 1/3   | 12    | 24  | 98   | Please analyze for Total metals:<br>samples not preserved in field |
| Tissue      | 1                                 | 2             |       |     |      |  |
| Sediment    | 1                                 | 3             |       |     |      |  |
| Other       | 1                                 | 4             |       |     |      |  |
| Unpreserved | 1                                 | 5             |       |     |      |  |
| Preserved   | 1                                 | 6             |       |     |      |  |
| Other       | 1                                 | LK Reba 1/2   |       |     |      |  |
| Unpreserved | 1                                 | 3             |       |     |      |  |
| Preserved   | 1                                 | 4             |       |     |      |  |
| Other       | 1                                 | 5             |       |     |      |  |

| Chain of Custody Record (Please Print) |                     |
|--|---------------------|
| Relinquished By: (Name)                | Received By: (Name) |
| Ronald A. Sim                          | Tan Meadows         |
| Date: 12/29/98                         | Date: 12/28/98      |
| Time: 1615                             | Time: 1615          |
| Total Containers: 1 Dup 0              |                     |

| *For Field Spikes Only |  |
|------------------------|--|
| Study#:                |  |
| Sample #:              |  |
| Exp Date:              |  |
| Standard:              |  |

| Shipping Information             |  |
|----------------------------------|--|
| Cooler#:                         |  |
| Airbill #:                       |  |
| of _____ Coolers on this Airbill |  |

White Copy: Laboratory • Yellow Copy: Return to Parametrix, Inc. • Pink Copy: Parametrix, Inc.

file  
SS-2912-01(61)  
sec. 5

SITE: MCd  
 DATE: 2/22/99  
 LER(S): RS  
 R TEMP: \_\_\_\_\_  
 OTHER: pouring rain  
until ~ 1515.

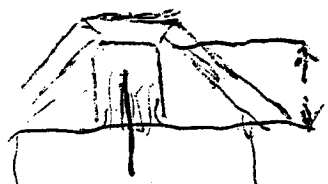
| Field Measurements: |     |           |           |
|---------------------|-----|-----------|-----------|
| TIME                | pH  | Temp.(°C) | DO (mg/l) |
| 1335                | 7.5 | 7.3       | —         |
|                     |     |           |           |
|                     |     |           |           |
|                     |     |           |           |
|                     |     |           |           |

| BOTTLE | TIME | WATER LEVEL              | COMMENTS | (for lab use)<br>FLOW |
|--------|------|--------------------------|----------|-----------------------|
| 1      | 1314 | <del>28.5"</del> 20 7/8" |          |                       |
| 2      | 1329 | 20 1/8"                  |          |                       |
| 3      | 1345 | 20 1/8"                  |          |                       |
| 4      | 1400 | 21 1/8"                  |          |                       |
| 5      | 1415 | 21 3/8"                  |          |                       |
| 6      | 1430 | 22                       |          |                       |
| 7      | 1445 | 22 3/8"                  |          |                       |
| 8      | 1500 | 22 7/8"                  |          |                       |
| 9      | 1515 | 23 1/8"                  |          |                       |
| 10     | 1530 | 23 5/8"                  |          |                       |
| 11     | 1545 | 23 5/8"                  |          |                       |
| 12     | 1600 | 23 5/8"                  |          |                       |
| 13     | 1615 | 22 5/8"                  |          |                       |

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):



water depth @ 1314 is 20 7/8" deep.  
 water surface to measuring point (tape down)  
 is 28.5" @ 1314.  
 I am measuring depth @ stream  
 center, just inside culvert. I am  
 using a 5' piece of rebar & measuring  
 portion of rebar that equals water depth.

RS @ (206) 946-6160

|                               |                                 |
|-------------------------------|---------------------------------|
| WC<br>1630<br>7.5 pH<br>8.0°C | NGPL<br>1650<br>8.2 pH<br>7.5°C |
|-------------------------------|---------------------------------|

K:\working\2912\55291201\61\datalog



### Flow Weighting Calculation Worksheet

|           |        |
|-----------|--------|
| Site      | MC D ✓ |
| Date      | 23-Feb |
| Pipe Size | 30     |

| Subsample Number | fill in this column |      | %           | Subsample Volume (mL) |
|------------------|---------------------|------|-------------|-----------------------|
|                  | Water Level         | Flow |             |                       |
| 1                | 20.75               | 6    | 0.054545455 | 436                   |
| 2                | 20.12               | 4.8  | 0.043636364 | 349                   |
| 3                | 20.12               | 4.8  | 0.043636364 | 349                   |
| 4                | 21.25               | 6.5  | 0.059090909 | 473                   |
| 5                | 21.37               | 7    | 0.063636364 | 509                   |
| 6                | 22                  | 8.2  | 0.074545455 | 596                   |
| 7                | 22.37               | 9    | 0.081818182 | 655                   |
| 8                | 22.5                | 9.5  | 0.086363636 | 691                   |
| 9                | 23.12               | 10.2 | 0.092727273 | 742                   |
| 10               | 23.67               | 11   | 0.1         | 800                   |
| 11               | 23.67               | 11   | 0.1         | 800                   |
| 12               | 23.67               | 11   | 0.1         | 800                   |
| 13               | 23.67               | 11   | 0.1         | 800                   |
| 14               |                     |      | 0           | 0                     |
| 15               |                     |      | 0           | 0                     |
| 16               |                     |      | 0           | 0                     |
| 17               |                     |      | 0           | 0                     |
| 18               |                     |      | 0           | 0                     |
| 19               |                     |      | 0           | 0                     |
| 20               |                     |      | 0           | 0                     |
|                  |                     | 110  | 1           | 8000                  |

(should total 8 L)

|                  |       |
|------------------|-------|
| total storm flow | 99000 |
|------------------|-------|

SITE: WC  
 DATE: 2/22/99  
 LER(S): \_\_\_\_\_  
 R TEMP: \_\_\_\_\_  
 ATHER: \_\_\_\_\_

| Field Measurements: |     |           |           |
|---------------------|-----|-----------|-----------|
| TIME                | pH  | Temp.(°C) | DO (mg/l) |
| 1630                | 7.5 | 8.0       | —         |
|                     |     |           |           |
|                     |     |           |           |
|                     |     |           |           |
|                     |     |           |           |

| BOTTLE | TIME | WATER (ft) |      | COMMENTS                       | (for lab use) |
|--------|------|------------|------|--------------------------------|---------------|
|        |      | Col. LEVEL | 10'  |                                | FLOW          |
| 1      | 1215 | 6.0        | 7.0  | Light rain; Sheen near opening |               |
| 2      | 1230 | 6.0        | 7.0  | "                              |               |
| 3      | 1245 | 6.0        | 7.0  | "                              |               |
| 4      | 1300 | 6.0        | 7.0  | Rain; sheen very light         |               |
| 5      | 1315 | 6.0        | 7.0  | "                              |               |
| 6      | 1336 | 7.0        | 8.0  | Rain; sheen gone               |               |
| 7      | 1345 | 7.5        | 8.0  | Rain; water darker             |               |
| 8      | 1400 | 8.0        | 8.5  | Rain                           |               |
| 9      | 1415 | 7.5        | 9.0  | Rain                           |               |
| 10     | 1430 | 7.5        | 9.0  | Rain                           |               |
| 11     | 1445 | 8.0        | 11.0 | Heavy Rain                     |               |
| 12     | 1500 | 8.0        | 12.5 | Rain *                         |               |
| 13     | 1515 | 9.0        | 12.5 | Rain                           |               |

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):

\* Flow noticeably higher - spread out wider in both culvert + channel, reference rock in channel completely covered; water dark brown.

K:\working\2912\5529\201\61\datalog

RS @ (206) 948-6160

### Flow Weighting Calculation Worksheet

|           |        |
|-----------|--------|
| Site      | Walker |
| Date      | 23-Feb |
| Pipe Size | 30     |

| Subsample Number | fill in this column |      | %           | Subsample                  |
|------------------|---------------------|------|-------------|----------------------------|
|                  | Water Level         | Flow |             | Volume (L) mL              |
| 1                | 6                   | 2    | 0.054495913 | 436                        |
| 2                | 6                   | 2    | 0.054495913 | 436                        |
| 3                | 6                   | 2    | 0.054495913 | 436                        |
| 4                | 6                   | 2    | 0.054495913 | 436                        |
| 5                | 6                   | 2    | 0.054495913 | 436                        |
| 6                | 7                   | 2.7  | 0.073569482 | 589                        |
| 7                | 7.5                 | 3.2  | 0.08719346  | 698                        |
| 8                | 8                   | 3.6  | 0.098092643 | 785                        |
| 9                | 7.5                 | 3.2  | 0.08719346  | 698                        |
| 10               | 7.5                 | 3.2  | 0.08719346  | 698                        |
| 11               | 8                   | 3.6  | 0.098092643 | 785                        |
| 12               | 8                   | 3.6  | 0.098092643 | 785                        |
| 13               | 8                   | 3.6  | 0.098092643 | 785                        |
| 14               |                     |      | 0           | 0                          |
| 15               |                     |      | 0           | 0                          |
| 16               |                     |      | 0           | 0                          |
| 17               |                     |      | 0           | 0                          |
| 18               |                     |      | 0           | 0                          |
| 19               |                     |      | 0           | 0                          |
| 20               |                     |      | 0           | 0                          |
|                  |                     | 36.7 | 1           | 8000 mL (should total 8 L) |

|                  |       |
|------------------|-------|
| total storm flow | 33030 |
|------------------|-------|

SITE: DMC-W (De Moines Creek)  
 DATE: 2/21/79  
 LER(S): S Belway  
 R TEMP: \_\_\_\_\_  
 WATHER: 50° RAINY & WINDY

| Field Measurements: |     |           |           |
|---------------------|-----|-----------|-----------|
| TIME                | pH  | Temp.(°C) | DO (mg/l) |
| 1246                | 6.8 | 7.3       |           |
|                     |     |           |           |
|                     |     |           |           |
|                     |     |           |           |
|                     |     |           |           |

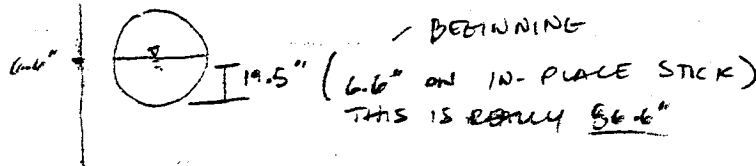
| BOTTLE | TIME | WATER LEVEL (in) | COMMENTS        | (for lab use)<br>FLOW |
|--------|------|------------------|-----------------|-----------------------|
| 1      | 1246 | 6.6"             |                 |                       |
| 2      | 1301 | 6.8"             |                 |                       |
| 3      | 1316 | 7"               |                 |                       |
| 4      | 1331 | 7.2"             |                 |                       |
| 5      | 1346 | 7.3"             |                 |                       |
| 6      | 1401 | 7.5"             |                 |                       |
| 7      | 1416 | 7.7"             |                 |                       |
| 8      | 1431 | 8.0              |                 |                       |
| 9      | 1446 | 8.8              | VERY HEAVY RAIN |                       |
| 10     | 1501 | 9.4              |                 |                       |
| 11     | 1516 | 9.9              |                 |                       |
| 12     | 1531 | 10.5             |                 |                       |
| 13     | 1546 | 11.5"            |                 |                       |

WATER LEVEL: Take depth measurements as far into the culvert as possible.

Circle one: tape down / water level

Measuring Point (describe and/or sketch):

19.5"



RS @ (206) 948-6160

Curtis Nickerson  
(206) 367-3400 (h)  
781-34910 (o)  
(206) 587-8594 (pager)

AR 024913

### Flow Weighting Calculation Worksheet

|           |        |
|-----------|--------|
| Site      | DMC W  |
| Date      | 23-Feb |
| Pipe Size | 30     |

| Subsample Number | fill in this column |      | %           | Subsample Volume (mL) |
|------------------|---------------------|------|-------------|-----------------------|
|                  | Water Level         | Flow |             |                       |
| 1                | 6.6                 | 4.7  | 0.049111808 | 295                   |
| 2                | 6.8                 | 4.9  | 0.051201672 | 307                   |
| 3                | 7                   | 5    | 0.052246604 | 319                   |
| 4                | 7.2                 | 5.1  | 0.053291536 | 320                   |
| 5                | 7.3                 | 5.2  | 0.054336468 | 326                   |
| 6                | 7.5                 | 5.5  | 0.057471264 | 345                   |
| 7                | 7.7                 | 6.3  | 0.065830721 | 395                   |
| 8                | 8                   | 6.4  | 0.066875653 | 401                   |
| 9                | 8.8                 | 6.5  | 0.067920585 | 408                   |
| 10               | 9.4                 | 7.8  | 0.081504702 | 489                   |
| 11               | 9.9                 | 10.8 | 0.112852665 | 677                   |
| 12               | 10.5                | 12.5 | 0.13061651  | 784                   |
| 13               | 11.5                | 15   | 0.156739812 | 940                   |
| 14               |                     |      | 0           | 0                     |
| 15               |                     |      | 0           | 0                     |
| 16               |                     |      | 0           | 0                     |
| 17               |                     |      | 0           | 0                     |
| 18               |                     |      | 0           | 0                     |
| 19               |                     |      | 0           | 0                     |
| 20               |                     |      | 0           | 0                     |
|                  |                     | 95.7 | 1           | 6000                  |

(should total 6L)

|                  |       |
|------------------|-------|
| total storm flow | 86130 |
|------------------|-------|

Year:

Quarter:

Region/Estuary:

# Field Sample / Chain of Custody Record

Parametrix, Inc. • 5808 Lake Washington Blvd. • Kirkland, Washington 98033 • 425-822-8880 • Fax 425-889-8808

Project Name: Port of Seattle  
Client: PMX  
Recorders: R. Simmons

Project Number: 55-2912-01 (61)  
Recorder: R. Simmons

| Matrix                                       | # of Containers and Preservatives               | Sample Number | Date  |     |      | Station and Sample Description                     |
|--|---|---------------|-------|-----|------|--|
|  |   |               | Month | Day | Year |  |
| <input checked="" type="checkbox"/> Water    | <input checked="" type="checkbox"/> Unpreserved | MCD + SDS3    | 2     | 23  | 99   | composited grab samples (flow wtd)<br>and mixed RS |
| <input checked="" type="checkbox"/> Sediment | <input checked="" type="checkbox"/> Preserved   | WC + SDS3     | 2     | 23  | 99   |  |
| <input checked="" type="checkbox"/> Other    | <input checked="" type="checkbox"/> Other       | DMC west      | 2     | 23  | 99   |  |
|  |   |               |       |     |      | WERS II  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |
|  |   |               |       |     |      |  |

Total Containers: 3

### Chain of Custody Record (Please Print)

| Relinquished By: (Name) | Date:   | Time: | Received By: (Name) | Date:   | Time: |
|-------------------------|---------|-------|---------------------|---------|-------|
| Ronda A. Swain          | 2/23/99 | 1330  | Adrian Merrill      | 2/23/99 | 1330  |
|                         |         |       |                     |         |       |
|                         |         |       |                     |         |       |
|                         |         |       |                     |         |       |
|                         |         |       |                     |         |       |
|                         |         |       |                     |         |       |
|                         |         |       |                     |         |       |
|                         |         |       |                     |         |       |

\*For Field Spikes Only

Study #: \_\_\_\_\_  
 Sample #: \_\_\_\_\_  
 Exp Date: \_\_\_\_\_  
 Standard: \_\_\_\_\_

Shipping Information

Cooler#: \_\_\_\_\_  
 Airbill #: \_\_\_\_\_  
 of \_\_\_\_\_ Coolers on this Airbill

# Chain of Custody Record

**Port of Seattle** Sea-Tac Airport Stormwater Program: Sample Chain of Custody Record

revised 1/21/99

| Project: <u>NPDES</u> Spill <u>Other</u> Date: <u>      </u> of <u>      </u>                                  |            | Contact: Scott Toblason, 728-3171 Case File# <u>      </u> |            |      |        |        |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|------------|--|------------|------|--------|--------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Sampling Personnel: <u>      </u>  |            |  |            |      |        |        |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turnaround Requirements: <u>      </u> 48 hour <u>      </u> 5 day <u>      </u> 2 week <u>      </u> Standard |            |  |            |      |        |        |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Slit   | Sample ID  | Type   | Date Taken | Time | Lab ID | Matrix | # containers | Analyzer Requested   |  |  |  |  |  |  |  |  |  |  | Visual Observations***   |  |  |  |  |  |
|  |            |  |            |      |        |        |              | Total Recov Pb<br>Total Recov Zn<br>Total Glycols<br>fluoride<br>ammonia<br>potassium<br>hardness<br>conductivity<br>surfactants |  |  |  |  |  |  |  |  |  |  | Susp Solids (0-5)<br>Turbidity (0-5)<br>Color (hue)<br>Sheen (0-5)<br>Odor (type)<br>Foam (0-5)<br>Other |  |  |  |  |  |
| 1  | SD64022399 | comp   | 2-23       | 7:30 |        | W      |              |  |  |  |  |  |  |  |  |  |  |  | L 9 M X  |  |  |  |  |  |
| 2  | SOS3022399 | comp   | 2-23       | 8:05 |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3  |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4  |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5  |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6  |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7  |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8  |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9  |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18   |            |  |            |      |        | W      |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

2/22 5 test time  
 9:00  
 9:20

\*\*\* note presence and magnitude: 0 = absent, 5 = present to considerable degree

\* Time sample completed if composite

| Printed Name       | Received by: | Relinquished by:   | Received by: |
|--------------------|--------------|--------------------|--------------|
| <i>[Signature]</i> | Ad Merrill   | <i>[Signature]</i> |              |
| Signature          | NOT Merrill  |                    |              |
| Affiliation        | BUS-TRIX     |                    |              |
| Date               | 2/23/99      |                    |              |
| Time               | 11:00        |                    |              |

Miscellaneous Notes: Laboratory: Aquatic Research Inc., 3927 Aurora Ave. N, Seattle, WA 98103 206-632-2715