

Appendix F

Sampling Field Sheets

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONKC VASHON LF
ID SVS1070511-
DATE 05/11/07
TIME 11:30
SAMPLER SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SS-1, SS-2, SS-3, SS-4, SS-5, and SS-6

FIELD SAMPLING DATA

Station: **SS-1**
Date/Time: 05/11/07 11:15
Weather: partly cloudy, warm
Location Description: uphill ~15 ft from SW-1 @
focused seepage area

COPY

SAMPLE ID # **SVS1070511**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	05/11/07		1000	blue HDPE	NO	NONE	YES
METALS, D	11/1	Peristaltic Pump w/ clean tubing	500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	179.6	7.49	-26.7	11.4	7.49	50.9
						1150

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0715

#1) pH meter (pH, Redox, Temp) SN# 14768 readings 7.10, 0.1 readings 7.02, 10.07
 #2) Dissolved Oxygen Meter SN# 4600 @ 101.7
 #3) Turbidimeter # 1 standard used 5.36 reading 5.61
 #4) Conductivity Meter SN# 1562 @ 1414

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

Sevin Bilir

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps as of 08may07/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONKCSW VASHON LF
ID SVS1070814
DATE 08/14/07
TIME 1200
Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6 & 24S

FIELD SAMPLING DATA

Station: **SW-S1**
Date/Time: 08/14/2007
Weather: clear, cool
Location Description: uphill ~15 ft from SW-W1 @
focused seepage areaNote:
V. slow
- sampled over
2 days
(see
SVS1070815-)KCSW VASHON LF
ID VTRP070814R
DATE 08/14/07
TIME 1200
Sampler SBSAMPLE ID # **SVS1070814**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	08/14/07		1000	blue HDPE	NO	NONE	YES
METALS, D	1	Peristaltic Pump w/ clean tubing	500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3			500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	200	7.12	-5.9	13.5	4.95	48.7	1150

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0810

#1) pH meter (pH, Redox, Temp) SN# 14768 readings 7.10, 0.1 readings 7.02, 10.07
 #2) Dissolved Oxygen Meter SN# 4600 @ 101.7
 #3) Turbidimeter # 1 standard used 5.36 reading 5.61
 #4) Conductivity Meter SN# 1562 @ 1414

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐VTRP 070814R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 8/14/07MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

Sevin B

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

x9

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6 & 24S

FIELD SAMPLING DATA

Station: **SW-S1**
Date/Time: **08/15/2007**
Weather: **clear, cool**
Location Description: **uphill ~15 ft from SW-W1 @ focused seepage area**

SAMPLE ID # **SVS1070815**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	08/15/2007	✓	1000	blue HDPE	NO	NONE	YES
METALS, D	15/1	✓	500	Red HDPE	YES	HNO ₃	YES
PHYS	2007	✓	1000	blue HDPE	NO	NONE	YES
TOC		✓	2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	09:00	✓	500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA		✓	6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU

see SVS1070814-

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0830**

#1) pH meter (pH, Redox, Temp) SN# 14768
standards used 4 & 7 readings **4.01/7.01**

#3) Turbidimeter # 1

standard used 52.4 reading **54.1**

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1414

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SBilir

SIGNATURE

821

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S1**
Date/Time: **10/31/2007** + 11/1/07
Weather: **cool, overcast**
Location Description: **uphill ~15 ft from SW-W1 @ focused seepage area**

SAMPLE ID # **SVS1071031** and **SVS1071101**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	10/31/2007	✓	1000	blue HDPE	NO	NONE	YES
METALS, D	0930#	✓	500	Red HDPE	YES	HNO ₃	YES
PHYS	10/31/2007	✓	1000	blue HDPE	NO	NONE	YES
TOC		✓	2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:30	✓	500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA		✓	6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU

10/31 192 7.06 -3.0 9.1 6.3 5.93 1120

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0900**

#1) pH meter (pH, Redox, Temp) SN# 14768
standards used 4 & 7 readings **4.1/7.13**

#3) Turbidimeter # 1

standard used 52.4 reading **56.8**

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1431

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

821

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVS1071219-
DATE 12/19/2007

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S1**
Date/Time: 12 / 19 / 2007 0945
Weather: Rain, 40°S
Location Description: uphill ~15 ft from SW-W1 @
focused seepage area

KCSW VASHON LF
ID SVS1071220-
DATE 12/20/2007

Sampler SB

SAMPLE ID # **SVS1071219- / SVS1071220-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	12/19	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES -12/20
METALS, D	12/19		500	Red HDPE	YES	HNO ₃	YES -12/19
PHYS.	2007		1000	blue HDPE	NO	NONE	YES -12/20
TOC	09:45		2,40	gray GLASS	NO	H ₃ PO ₄	YES -12/19
COD/NH3			500	yellow HDPE	NO	H ₂ SO ₄	YES -12/19
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	224	7.89	X	7.7	8.69	7.11	0940

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0930
#1) pH meter (pH, Redox, Temp) SN# 14788 X
standards used 4 & 7 readings
#2) Dissolved Oxygen Meter SN# 4600 X
#3) Turbidimeter # 1
standard used 52.4 reading 60.3
#4) Conductivity Meter SN# 1562 1413/1417
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ (09606)
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL Sevin B. SIGNATURE [Signature]
TOTAL NUMBER OF BOTTLES THIS SET 12/19 10
12/20 2

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVS1080311

Date 03/ 11 /2008

Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S1**
Date/Time: 3 / 11 / 2008 0930
Weather: pty cloudy, cool, 40°S windy, Raining
Location Description: uphill ~15 ft from SW-W1 @
focused seepage area

KCSW VASHON LF

ID SVS1080311

Date 03/ 12 /2008

Sampler SB

SAMPLE ID # **SVS1080311**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	3/11	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES 3/12
METALS, D	11/1		500	Red HDPE	YES	HNO ₃	YES 3/12
PHYS.	2008		1000	blue HDPE	NO	NONE	YES did not collect
TOC	09:40		2,40	gray GLASS	NO	H ₃ PO ₄	YES 3/11
COD/NH3			500	yellow HDPE	NO	H ₂ SO ₄	YES 3/12
VOA			6@40	green GLASS	NO	HCl	YES 3/11

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	211	7.69	-40.1	7.9	6.4	18.8	0935

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0830
#1) pH meter (pH, Redox, Temp) SN# 14788-3140044 X
standards used 4 & 7 readings 52.4-57.4-72.5
#2) Dissolved Oxygen Meter SN# 4600 101.7
#3) Turbidimeter # 1
standard used 52.4 reading 55.1
#4) Conductivity Meter SN# 1562 1413/1417
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL SBilir SIGNATURE [Signature]
TOTAL NUMBER OF BOTTLES THIS SET 8 on 3/11/08
3 on 3/12/08

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S1
Date/Time: 7/15/2008 1200
Weather: Warm, 75°F, clear
Location Description: uphill ~15 ft from SW-W1 @
focused seepage area

SAMPLE ID

SAMPLE TYPE	DATE TIME	VOLUME (mL)	CONTAINER TYPE	FIELD TESTED	CED YES/NO
TSS/TS	7/15/2008	1000	blue HDPE	YES	YES
METALS, D	2008	1000	blue HDPE	NO	YES
PHYS	2008	1000	gray GLASS	NO	YES
TOC		2.40	gray GLASS	NO	YES
COD/MH3		500	yellow HDPE	NO	YES
VOA		6@40	green GLASS	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	220	7.12	-17.6	13.6	2.0	20.2	1200

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0810
#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings 57.1/-6 standard used 5.36 reading 56.9
#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1411
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ N/A
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒ N/A

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir SIGNATURE SB
TOTAL NUMBER OF BOTTLES THIS SET 2

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: SW-S1
Date/Time: 10/07/2008 0930
Weather: Windy, pty cldy, 50°F
Location Description: uphill ~15 ft from SW-W1 @
focused seepage area

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD TESTED	YES/NO
TSS/TS	10/		1000	blue HDPE	NO	YES
METALS, D	/		300	Red ID	NO	YES
			1000	blue HDPE	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	YES
TOC			2.40	gray GLASS	NO	YES
COD/MH3			500	yellow HDPE	NO	YES
VOA			6@40	green GLASS	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	226	6.75	4.2	11.7	8.09	158	0945

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0935
#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings 4.017 standard used 52.4 reading 56.9
#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1423
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ 80.99
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒ N/A
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir SIGNATURE SB DATE / TIME 10/07/08 0950
TOTAL NUMBER OF BOTTLES THIS SET 2 N/A

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: SW-S1

Date/Time: 01/07/2009 1015

Weather: rainy, 50's, overcast

Location Description: uphill ~15 ft from SW-W1 @
focused seepage area

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED	CED YES/NO
TSS/TS			1000	blue HDPE	NO	YES
METALS, D			500	Red HDPE	NO	YES
PHYS			1000	blue HDPE	NO	YES
TOC			240	gray GLASS	NO	YES
COD/MN			500	yellow HDPE	NO	YES
VOA			6@40	green GLASS	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	214	6.8	0.6	9.2	10.2	88.0	1020

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1000

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings -54.9

#3) Turbidimeter # 1

standard used 52.4 reading 54.8

#2) Dissolved Oxygen Meter SN# 4600 101.7

#4) Conductivity Meter SN# 1562 1413/1433

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐VTRP VTRP BUBBLES? YES ☐ NO ☐MS/MD BOTTLES TURNED IN? YES ☐ NO ☐EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

SAMPLE COLLECTED AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

DATE / TIME

01/07/09 1030

TOTAL NUMBER OF BOTTLES THIS SET

N/A

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: SW-S1

Date/Time: 03/25/2009 1145

Weather: Cool, overcast, rainy

Location Description: uphill ~15 ft from SW-W1 @
focused seepage area

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED	CED YES/NO
TSS/TS			1000	blue HDPE	NO	YES
METALS, D			500	Red HDPE	NO	YES
PHYS			1000	blue HDPE	NO	YES
TOC			240	gray GLASS	NO	YES
COD/MN			500	yellow HDPE	NO	YES
VOA			6@40	green GLASS	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	183.1	7.35	-23.1	7.4	6.71	13.3	1145

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1030

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings -55.61-6

#3) Turbidimeter # 1

standard used 52.4 reading 55.7

#2) Dissolved Oxygen Meter SN# 4600 101.7

#4) Conductivity Meter SN# 1562 1413/1433

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐VTRP VTRP BUBBLES? YES ☐ NO ☐MS/MD BOTTLES TURNED IN? YES ☐ NO ☐EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

SAMPLE COLLECTED AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

DATE / TIME

3/25/2009 1200

TOTAL NUMBER OF BOTTLES THIS SET

N/A

F:\Bldg52 PROJECTS 29sep08\SWD_VAS\HON1_W_HILLSLOPE1\WSAMPLING\Sampling\FIELDSHEETS.MXD

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: SW-51
Date/Time: 02/04/10 1240
Weather: overcast
Location: West Hillslope

SAMPLING DATA

SAMPLE ID #	DATE	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED
TSS	/	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK	/	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₂	i	GRAB	250	WM HDPE	NO	NONE	YES
CL/SO ₄	a.m.	GRAB	125	NM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 3140041562 0000323 1 TURB STD USED: 52.4
METER READING: 55.7

SAMPLE	COND (umhos/cm)	pH	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	167.2	7.24	9.2	4.29	12.2	1245

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
3 VTRP's TURNED IN? YES ☐ NO ☒ VTRP09 DATE: 02/04/10
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: A
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

BILIR

SIGNATURE

SP

DATE/TIME

02/04/10
12:50

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S1, SW-24S, SW-S3

FIELD SAMPLING DATA

Station: SW-S1
Date/Time: 04/16/2010 1135
Weather: Rain, Newcastle, 50°F
Location: uphill -15 ft from SW-W1 at
focused seepage area

NO sample collected

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 3140044 3140044 3140044 4752 TURB STD USED: 52.4
METER READING: 50.6

SAMPLE	COND (umhos/cm)	pH	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	196.8	6.79	9.6	7.65	5.92	11.40

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

NO sample collected

CUSTODY RECORD

PERSONNEL	SIGNATURE	DATE/TIME
Sevin Bilir	<u>SB</u>	<u>04/15/10</u>

TOTAL NUMBER OF BOTTLES THIS SET X0 12.00

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Seeps SW-S1, SW-24S, SW-S3)

Station: SW-S1
Date/Time: 11/02/2010 1305
Weather: partly cloudy, 60°F
Location: uphill ~15 ft from SW-W1 at focused seepage area

SAMPLING DATA

SAMPLE ID #	DATE	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS	11/02/2010	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK	11/02/2010	GRAB	500	WM HDPE	YES	HNO ₃	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	HNO ₃	YES
NH ₃ /NO ₃		GRAB		WM HDPE	NO	H ₃ PO ₄	YES
CL/SO ₄	a.m.	GRAB		WM HDPE	NO	H ₂ SO ₄	YES
TOC				Washed HDPE	NO	HCl	YES
METAL				Acid washed HDPE	YES		YES
VOA				GLASS	NO		YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	SWD	1
	<u>SPEC</u>			<u>DISSOLVED</u>	
	<u>COND</u>	<u>pH</u>	<u>TEMPERATURE</u>	<u>OXYGEN</u>	<u>TURBIDITY</u>
<u>SAMPLE</u>	<u>(umhos/cm)</u>	<u>VALUE</u>	<u>(°C)</u>	<u>(mg/L)</u>	<u>NTU</u>
1	103.2	6.94	12.1	5.27	7.92
					TIME
					1310

NOTES:
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VTRPs TURNED IN? YES ☐ NO ☐ VTRP09
BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS:
NO QC BOTTLES

CUSTodian: PERSONNEL: SIGNATURE: DATE/TIME: 11/02/2010 1315

TOTAL NUMBER OF BOTTLES THIS SET

11/02/2010 PROJECTS_3140044_VASW-1_W_HILLSLOPE SAMPLING FIELD SHEET 1.0

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD used for Seeps SS-1, SS-2, SS-3, SS-4, SS-5, and SS-6

FIELD SAMPLING DATA

Station: SS-2
Date/Time: 05/09/07 1300
Weather:
Location Description: S of SS-1&SW-1 and East of SW-2 @ focused seepage area

SAMPLE ID # SVS207 05 09

SAMPLE ID#		SVS207 05-07					
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	ICED YES/ NO
TSS/TS	05/07	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	09/07		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	13:10		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
SAMPLE	1031	7.05	-2.15	12.5	6.01	6.49	1330

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0730
#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 7, 4 readings 4, 7.02
#2) Dissolved Oxygen Meter SN# 41600
#3) Turbidimeter #1 standard used 52.4 reading 53.4
#4) Conductivity Meter SN# 1962
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP D70509S VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: 2 not bubbles, 1 had 3mm bubble DATE: 05/08/07
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL: Severin Bilir SIGNATURE: 837
TOTAL NUMBER OF BOTTLES THIS SET: 15

seeps ss of 08may07/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6 & 24S

FIELD SAMPLING DATA

Station: **SW-S2**

Date/Time: 08/15/2007

Weather: **cool, clear**

Location Description: **S of SW-S1&SW-W1 and East of SW-W2 @
focused seepage area**

SAMPLE ID # **SVS2070815**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	08/15	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	15/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	09:45		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	936	6.72	14.8	11.8	1.63	54	0930

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4.01/7.01

#2) Dissolved Oxygen Meter SN# 4600

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 0710815R

VTRP BUBBLES? YES ☐ NO ☒

BUBBLES:

DATE: 8/19/07

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SB/llr

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S2**

Date/Time: 10/31/2007

Weather: **cool, overcast**

Location Description: **S of SW-S1&SW-W1 and East of SW-W2 @
focused seepage area**

SAMPLE ID # **SVS2071031**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	10/31	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	31/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			5@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	942	7.14	-8.4	9.3	5.11	130	1020

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4/7.13

#2) Dissolved Oxygen Meter SN# 4600

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 071031R

VTRP BUBBLES? YES ☐ NO ☒

BUBBLES:

DATE: 10/29/07

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

X 11 + 3 VTRP

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S2
Date/Time: 12/19/2007 1030
Weather: 40's, overcast
Location Description: S of SW-S1&SW-W1 and East of SW-W2 @
focused seepage area

SAMPLE ID # SVS2071219

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	12/19/2007	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	19/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	978	X	X	9.8	X	54 1025

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0930
 #1) pH meter (pH, Redox, Temp) SN# 14768 #3) Turbidimeter # 1
 standards used 4 & 7 readings 52.4 reading 60.3
 #2) Dissolved Oxygen Meter SN# 4600 #4) Conductivity Meter SN# 1562 1413/1417
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ (0.9606)
 VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF

ID SVS20803

Date 03/11/2008

Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S2
Date/Time: 3/11/2008 0955
Weather: ptly cloudy, windy, cool 40's, Raining
Location Description: S of SW-S1&SW-W1 and East of SW-W2 @
focused seepage area

SAMPLE ID # SVS2080311

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	3/11/2008	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	11/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	1034	7.04	-9.9	9.5	4.01	33.8 0955

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0830
 #1) pH meter (pH, Redox, Temp) SN# 3140044 #3) Turbidimeter # 1
 standards used 4 & 7 readings SLP -57 mv/pH, +/- 25 standard used 52.4 reading 55.1
 #2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1417
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
 VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S2**
Date/Time: **7/16/2008 1030**
Weather: **60°F, Clear**
Location Description: **S of SW-S1 & SW-W1 and East of SW-W2 @ focused seepage area**

SAMPLE ID # **SVS2080716**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	7/16/2008	Peristaltic Pump w/ clean tubing	✓ 1000	blue HDPE	NO	NONE	YES
METALS, D	10/1		✓ 500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		✓ 1000	blue HDPE	NO	NONE	YES
TOC			✓ 2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:45		✓ 500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			✓ 6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	1024	6.93	-1.5	11.2	3.5	4.47	1030

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0900**
#1) pH meter (pH, Redox, Temp) SN# 03140044 standards used 4 & 7 readings **5.88**
#2) Dissolved Oxygen Meter SN# 4600 readings **10.7**
#3) Turbidimeter # 1 standard used 5.36 reading **1413/1416**
#4) Conductivity Meter SN# 1562 1413/1416
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP **0907-110V** VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: **7/14/08**
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Blair
TOTAL NUMBER OF BOTTLES THIS SET **12**

KCSWD VASHON LF
ID SVS2080716-
Date 07/16/2008
Sampler SB

KCSWD VASHON LF
ID VTRP080716V
Date 07/16/2008
Sampler SB

COPY

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S2**
Date/Time: **10/07/2008 1015**
Weather: **ptly cloudy, windy 50°F's**
Location Description: **S of SW-S1 & SW-W1 and East of SW-W2 @ focused seepage area**

SAMPLE ID # **SVS2081007**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	10/7/2008	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	07/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:40		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	1027	6.85	-2.8	10.9	4.18	5.66	1020

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0935**
#1) pH meter (pH, Redox, Temp) SN# 03140044 standards used 4 & 7 readings **4.01/7**
#2) Dissolved Oxygen Meter SN# 4600 readings **10.7**
#3) Turbidimeter # 1 standard used 52.4 reading **56.9**
#4) Conductivity Meter SN# 1562 1413/1423
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: **10/07/08 1100**
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ ID:
SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Blair
TOTAL NUMBER OF BOTTLES THIS SET **12**

KCSWD VASHON LF
ID SVS2081007-
Date 10/07/2008
Sampler SB

COPY

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S2**
Date/Time: 01/07/2009 1100
Weather: **rainy, 50°S, overcast**
Location Description: **S of SW-S1&SW-W1 and East of SW-W2 @
focused seepage area**

SAMPLE ID # **SVS2090107-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	01/		1000	blue HDPE	NO	NONE	YES
METALS, D	07/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2009		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:05		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	886	6.85	0.4	10.6	3.56	3.03	1100

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 1000
#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings -54.9 standard used 52.4 reading 54.8
#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1453
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☒ NO ☐
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET 12
SIGNATURE
DATE / TIME
01/07/09: 1110

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S2**
Date/Time: 03/25/2009 1100
Weather: **cool, overcast**
Location Description: **S of SW-S1&SW-W1 and East of SW-W2 @
focused seepage area**

SAMPLE ID # **SVS2090325-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	03/		1000	blue HDPE	NO	NONE	YES
METALS, D	25/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2009		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:10		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	905	6.81	+3.9	9.2	3.23	24.9	1100

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 1030
#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings -55.6/-6 standard used 52.4 reading 55.7
#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1433
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP 090325R VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: 104mm DATE: 3/20/09
MS/MD BOTTLES TURNED IN? YES ☒ NO ☐
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET 12
SIGNATURE
DATE / TIME
0325: 1120
2019

12 + 2

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: SW-S2
Date/Time: 02/04/10 1200
Weather: overcast
Location: West Hillslope

KCSWD VASHON LF
ID SVS2100204-
Date 02/04/2010
Sampler SB

KCSWD VASHON LF
ID VTRP100204R
Date 02/04/2010
Sampler SB

SAMPLING DATA

SAMPLE ID #	DATE	METHOD	VOLUME	CONTAINER	FIELD	PRESERVATIVE	ICED
TYPE	TIME		(mL)	TYPE	FILTERED		YES
TSS	02/04	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK	04	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	12:10	GRAB	250	WM HDPE	NO	NONE	YES
CL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES

✓ PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	SPEC COND	pH	TEMPERATURE	DISSOLVED OXYGEN	TURBIDITY	TIME
1562	314004	6.87	10.6	3.33	2.02	1205

NOTES:
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)
3 VTRPs TURNED IN? YES ☒ NO ☐ VTRP: 100204R DATE: 02/02/10
BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 1 @ 2 mm
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

Bilir

SIGNATURE

83

DATE/TIME

02/04/10
12:30

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S2
Date/Time: 04/15/2010 1105
Weather: Rain, overcast, 50°F's
Location: S of SW-S1 & SW-W1 and East of SW-W2 at focused seepage area

KCSWD VASHON LF
ID SVS2100415-
Date 04/15/2010
Sampler SB

KCSWD VASHON LF
ID VTRP100415R
Sampler SB

SAMPLE ID #	DATE	METHOD	VOLUME	CONTAINER	FIELD	PRESERVATIVE	ICED
TYPE	TIME		(mL)	TYPE	FILTERED		YES
TSS			1000(500)	WM HDPE	NO	NONE	YES
COND/ALK	04/15		500(200)	WM HDPE	NO	NONE	YES
TDS/TOTS	15/		300(300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	2010		250(100)	WM HDPE	NO	NONE	YES
CL/SO ₄			125(100)	WM HDPE	NO	NONE	YES
TOC	11:20		2,40 (30)	Amber Glass	NO	H ₃ PO ₄	YES
METALS, t			500(200)	Acid Washed HDPE	NO	NONE	YES
METALS, d			500(50)	Acid Washed HDPE	YES	NONE	YES
VOA			4,40 (2,40)	Glass	NO	HCl	YES

✓ FILTER DISS METALS & PUT TOTAL AND DISSOLVED METALS INTO CORRECT BOTTLES

FIELD WATER QUALITY PARAMETERS

INSTR. #	SPEC COND	pH	TEMPERATURE	DISSOLVED OXYGEN	TURBIDITY	TIME
1562	3140044	3140044	4352			

NOTES:
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)
3 VTRPs TURNED IN? YES ☒ NO ☐ ID: VTRP1004 15R DATE: 4/12/10
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS:
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ ID:
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

Sevin Bilir

SIGNATURE

83

DATE/TIME

04/15/10

TOTAL NUMBER OF BOTTLES THIS SET

13 + 3

11:30

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD
(used for Seeps SW-S2, SW-S4, SW-S5, SW-S6)

Station: SW-S2
Date/Time: 08/12/2010 12:15
Weather: Overcast, 70's
Location: S of SW-S1 & SW-W1 and East of SW-W2
at focused seepage area

SAMPLING DATA

SAMPLE ID # SVS2100812 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	12/1	Peristaltic pump with cleaned tubing	✓ 1000 (500)	WM HDPE	NO	NONE	YES
COND/ALK	12/1		✓ 500 (200)	WM HDPE	NO	NONE	YES
TDS/TOTS	2010		✓ 500 (300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	12:25		✓ 250 (100)	WM HDPE	NO	NONE	YES
CL/SO ₄			✓ 125 (100)	WM HDPE	NO	NONE	YES
TOC			✓ 2.40 (30)	AMBER GLASS	NO	H ₂ PO ₄	YES
METALS, c			✓ 500 (200)	Acid Washed HDPE	NO	NONE	YES
METALS, d			✓ 500 (50)	Acid Washed HDPE	YES	NONE	YES
VOA			✓ 4.40 (2.40)	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	SWD	1	TURB STD USED	5.36
SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME	METER READING
1	915	6.68	12.0	NM	24.6	1220	4.82

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VTRPs TURNED IN? YES ☐ NO ☐ VTRP100812R
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

SBILIR

SIGNATURE

SBILIR

DATE/TIME

8/12/10 12:55

TOTAL NUMBER OF BOTTLES THIS SET

13 ✓ + 3 VTRP

F:\MSD_PROJECTS\2008\SWD_VASHON\1_W_HILLSLOPE\SAMPLING\Sampling\FIELD\DATA\10

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD
(used for Seeps SW-S2, SW-S4, SW-S5, SW-S6)

Station: SW-S2
Date/Time: 11/02/2010 1000
Weather: 100°F, Overcast
Location: S of SW-S1 & SW-W1 and East of SW-W2
at focused seepage area

SAMPLING DATA

SAMPLE ID # SVS2101102 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	11/2	Peristaltic pump with cleaned tubing	✓ 1000 (500)	WM HDPE	NO	NONE	YES
COND/ALK	02/1		✓ 500 (200)	WM HDPE	NO	NONE	YES
TDS/TOTS	2010		✓ 500 (300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	10:10		✓ 250 (100)	WM HDPE	NO	NONE	YES
CL/SO ₄			✓ 125 (100)	WM HDPE	NO	NONE	YES
TOC			✓ 2.40 (30)	AMBER GLASS	NO	H ₂ PO ₄	YES
METALS, c			✓ 500 (200)	Acid Washed HDPE	NO	NONE	YES
METALS, d			✓ 500 (50)	Acid Washed HDPE	YES	NONE	YES
VOA			✓ 4.40 (2.40)	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	SWD	1	TURB STD USED	5.36
SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME	METER READING
1	761	6.49	11.8	1.48	27.5	1005	5.56

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VTRPs TURNED IN? YES ☒ NO ☐ VTRP10102R
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: 4, 7, 10
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

SBILIR

SIGNATURE

SBILIR

DATE/TIME

11/02/10 11:08

TOTAL NUMBER OF BOTTLES THIS SET

13 ✓ + 3

F:\MSD_PROJECTS\2008\SWD_VASHON\1_W_HILLSLOPE\SAMPLING\Sampling\FIELD\DATA\10

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KC VASHON LF
ID SV24S070509
DATE 05/09/07
TIME 1450
SAMPLER SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

one-time special event for seep

FIELD SAMPLING DATA

Station: 24S
Date/Time: 05/09/07 1440
Weather: clear, warm
Location Description: south of SS-2
focused seepage area

SAMPLE ID # SV24S07 05 09 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	<u>05/09/07</u>	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	<u>09/1</u>		500	Red HDPE	YES	HNO ₃	YES
PHYS	<u>2007</u>		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	<u>14:50</u>		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
SAMPLE	858	6.87	+6.4	12.5	4.69	6.59
						1458

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0730
#1) pH meter (pH, Redox, Temp) SN# 14768 #3) Turbidimeter # 1
standards used 4, 7 readings 4.7, 7.02 standard used 5.24 reading 5.34
#2) Dissolved Oxygen Meter SN# 4600 #4) Conductivity Meter SN# 1562
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 05/09/07
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL Savin Bilir SIGNATURE [Signature]
TOTAL NUMBER OF BOTTLES THIS SET 12

1timeseep 24S/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SV24S070815
DATE 08/15/07
TIME 1600
Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6 & 24S

FIELD SAMPLING DATA

Station: 24S
Date/Time: 08/15/2007
Weather: cool, clear
Location Description: south of SW-S2
focused seepage area

SAMPLE ID # SV24S0708 15 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	<u>08/15/07</u>	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	<u>15/1</u>		500	Red HDPE	YES	HNO ₃	YES
PHYS	<u>2007</u>		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	<u>10:00</u>		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	755	6.87	8.1	11.5	19.5	22.7	0755

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0830
#1) pH meter (pH, Redox, Temp) SN# 14768 #3) Turbidimeter # 1
standards used 4 & 7 readings 4.01/7.01 standard used 52.4 reading 54.1
#2) Dissolved Oxygen Meter SN# 4600 #4) Conductivity Meter SN# 1562 1413/1414
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 08/15/07
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL Savin Bilir SIGNATURE [Signature]
TOTAL NUMBER OF BOTTLES THIS SET 12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seep 24S

KCSW VASHON LF
ID SV24S071031-
DATE 10/31/07
1055
Sampler SB

FIELD SAMPLING DATA

Station: 24S
Date/Time: 10/31/07
Weather: cool, overcast
Location Description: south of SW-S2
focused seepage area

SAMPLE ID # SV24S0710 31 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	ICED YES/NO
TSS/TS	10/		1000	blue HDPE	NO	NONE	YES
METALS, D	31/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:55		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	652	6.83	+9.16	9.16	4.02	5.2	1045

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0900

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings 4/7.13

standard used 52.4 reading 56.8

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1431

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: DATE:

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

12

seep 24S/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seep 24S

KCSW VASHON LF
ID SV24S071219-
DATE 12/19/2007
16
Sampler SB

FIELD SAMPLING DATA

Station: 24S
Date/Time: 12 / 19 / 2007 1045
Weather: 40% overcast
Location Description: south of SW-S2
focused seepage area

SAMPLE ID # SVS24S071219 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	ICED YES/NO
TSS/TS	12/		1000	blue HDPE	NO	NONE	YES
METALS, D	19/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:45		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	685	X	X	9.5	X	89.3	1040

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0930

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings

standard used 52.4 reading 60.3

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1417

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: DATE:

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

12

seep 24S/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seep 24S

FIELD SAMPLING DATA

Station: 24S
 Date/Time: 3/ 11/08 1015
 Weather: partly cloudy, cool 40's, windy, raining
 Location Description: south of SW-S2
focused seepage area

COPY

KCSWD VASHON LF
ID SVS24S0803 // R
Date 03/ 11 /2008
Sampler SBKCSWD VASHON LF
ID VTRP0803 // R
Date 03/ 11 /2008
Sampler SB

SAMPLE ID # SVS24S0803 11 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES	ICED YES/NO
TSS/TS	3/ 11/08	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	11/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:20		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	760	7.06	-7.5	8.8	3.74	23.6
						1015

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0830
 #1) pH meter (pH, Redox, Temp) SN# 3140044 standards used 4 & 7 readings -57 mV at 7.25
 #3) Turbidimeter # 1 standard used 52.4 reading 55.1
 #2) Dissolved Oxygen Meter SN# 4600 101.7
 #4) Conductivity Meter SN# 1562 1413/1411
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
 VTRP 080311R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 03/06/08
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

BILIR

SIGNATURE

882

TOTAL NUMBER OF BOTTLES THIS SET

12

seep 24S/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seep 24S

NO SAMPLE

FIELD SAMPLING DATA

Station: 24S
 Date/Time: 7/ 10 /2008 1115
 Weather: cool, 60's, clear
 Location Description: south of SW-S2
focused seepage area

COPY

SAMPLE ID #

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES	ICED YES/NO
TSS/TS	7/ 10/08	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D			500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3			500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	770	6.95	-2.4	11.8	4.33	23.8
						1115

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0900
 #1) pH meter (pH, Redox, Temp) SN# 03140044 standards used 4 & 7 readings -55.9/-5
 #3) Turbidimeter # 1 standard used 5.36 reading 5.88
 #2) Dissolved Oxygen Meter SN# 4600 101.7
 #4) Conductivity Meter SN# 1562 1413/1416
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ N/A
 VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒ N/A

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

43

TOTAL NUMBER OF BOTTLES THIS SET

seep 24S-done/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: 24S
Date/Time: 10 / 07 / 2008 1000
Weather: pty cloudy, windy, 50°F's
Location Description: south of SW-S2
focused seepage area

SAMPLE ID # N/A

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD TESTED	ICED YES/NO
TSS/TS	10/		1000	blue HDPE	NO	YES
METALS, D	/		500	Red HDPE	YES	YES
PHYS	2008		1000	blue HDPE	NO	YES
TOC			240	gray GLASS	NO	YES
COD/Mn			500	yellow HDPE	NO	YES
VOA			6@40	green GLASS	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	714	6.77	5.6	10.8	4.34	25.0	1005

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0935

#1) pH meter (pH, Redox, Temp) SN# 03140044
standards used 4 & 7 readings 4.01/9
#2) Dissolved Oxygen Meter SN# 4600 10.17
#4) Conductivity Meter SN# 1562 1413/1423
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET N/A

seep 24S.wq only/samplingFIELDSHEETS.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: 24S
Date/Time: 01 / 07 / 2009 1100
Weather: rainy, 50's, overcast
Location Description: south of SW-S2
focused seepage area

SAMPLE ID #

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD TESTED	ICED YES/NO
TSS/TS			1000	blue HDPE	NO	YES
METALS, D			500	Red HDPE	YES	YES
PHYS			1000	blue HDPE	NO	YES
TOC			240	gray GLASS	NO	YES
COD/Mn			500	yellow HDPE	NO	YES
VOA			6@40	green GLASS	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	649	6.87	1.2	10.8	4.51	85.3	1110

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1000

#1) pH meter (pH, Redox, Temp) SN# 03140044
standards used 4 & 7 readings -24.9
#2) Dissolved Oxygen Meter SN# 4600 10.17
#4) Conductivity Meter SN# 1562 1413/1453
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET N/A

seep 24S.wq only/samplingFIELDSHEETS.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: 24S

Date/Time: 03 / 25 / 2009 1125

Weather: Cool, overcast, rainy

Location Description: south of SW-S2

focused seepage area

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED	ICED YES/NO
TSS/TS			100	bl		YES
METALS, D			500	gray GLASS		YES
PH			500	yellow HDPE		YES
TOC			500	gray GLASS		YES
CO ₂			500	yellow HDPE		YES
VOA			6@40	green GLASS		YES

FIELD WATER QUALITY PARAMETERS

METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	563	6.94	-1.6	9.1	5.69	64.6	1125

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1030

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings -55.6 / -6

#2) Dissolved Oxygen Meter SN# 4600 10.17

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☒MS/MD BOTTLES TURNED IN? YES ☐ NO ☒EQUIPMENT BLANK TURNED IN? YES ☐ NO ☒

SAMPLE TAKEN AT SURFACE WATER/GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir

SIGNATURE

DATE/TIME

TOTAL NUMBER OF BOTTLES THIS SET

N/A

3/25 1130
2009

seep 24S wq only/sampling/FIELDSHEETS.xls

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S1, SW-24S, SW-S3

FIELD SAMPLING DATA

Station: SW-24S

Date/Time: 07 / 14 / 2009 1055

Weather: overcast, ~65°F

Location: south of SW-S2

focused seepage area

SAMPLE ID

n/a

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED	ICED YES/NO
TSS			1000	WM HD		YES
COND/pH/ALK			500	gray GLASS		YES
TDS/TOTS			500	gray GLASS		YES
NH ₃ /NO ₃			500	gray GLASS		YES
CL/SO ₄			500	gray GLASS		YES
TOC			500	gray GLASS		YES
METALS, VOA			4, 40	GLASS		YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1562	3140044	3140044	3140044	4600	1		
645	7.01	-4.4	12.5	5.64	13.7	1057	

Peristaltic pump w/ cleaned tubing

SAMPLE IS TAKEN AT SURFACE WATER/GROUNDWATER INTERFACE.

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☐ NO ☒ BUFFERS: 4, 7, 103 VTRPs TURNED IN? YES ☐ NO ☒BUBBLES? YES ☐ NO ☒EQUIPMENT BLANK TURNED IN? YES ☐ NO ☒

NO QC

CUSTODY RECORD:

PERSONNEL
Sevin Bilir

SIGNATURE

DATE/TIME

TOTAL NUMBER OF BOTTLES THIS SET

N/A

07 / 14 / 09
11:00

F:\BWS\2009\PROJECTS_2009\SWD_VASHON\WQ\SAMPLING\seep24S\FIELDSHEETS.xls

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S1, SW-24S, SW-S3

FIELD SAMPLING DATA

Station: SW-24S
Date/Time: 10 / 27 / 2009 1020
Weather: overcast 40's
Location: south of SW-S2
focused seepage area

SAMPLE ID # n/a

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	10/		1000	WM HDPE	NO	NONE	YES
COND/pH/ALK	/		500	WM HDPE	NO	NONE	YES
TDS/TOTS	2009		500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃			500	WM HDPE	NO	NONE	YES
Cl/SO ₄			125	WM HDPE	NO	NONE	YES
TOC			125	AMBER GLASS	NO	NONE	YES
METALS, t			500	Acid Washed HDPE	YES	NONE	YES
METALS, d			500	GLASS	NO	HCl	YES
VOA			4,40				

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	3140044	4600
SAMPLE	COND (umhos/cm)	pH	REDUX	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)
Peristaltic pump w/ cleaned tubing	709	6.82	2.8	10.1	1.13

Peristaltic pump w/ cleaned tubing

SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☐ ID: VTRP091

BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETER: 1/8"

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐ ID:

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

Sevin Bilir

SIGNATURE

CK

DATE/TIME

10/27/09

TOTAL NUMBER OF BOTTLES THIS SET

N/A

10:25

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: SW-24S
Date/Time: 01/28/10 1340
Weather: overcast
Location: with slope seep

SAMPLING DATA

SAMPLE ID #

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	/	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK	/	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃		GRAB	250	WM HDPE	NO	NONE	YES
Cl/SO ₄	a.m.	GRAB	125	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	3140044	4600
SAMPLE	COND (umhos/cm)	pH	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
Peristaltic pump w/ cleaned tubing	622	6.73	10.1	7.88	1.94

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☐ ID: VTRP09

BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS: 1/8"

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

Blue

SIGNATURE

CK

DATE/TIME

01/28/10

13:55

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Seeps SW-S1, SW-24S, SW-S3)

Station: SW-24S
Date/Time: 11/02/2010 1020
Weather: 100% F, Partly Cloudy
Location: south of SW-S2
focused seepage area

SAMPLING DATA

SAMPLE ID #	DATE	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	7	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK	7	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃		GRAB	25	WM HDPE	NO	NONE	YES
Cl/So ₄	a.m.	GRAB	25	WM HDPE	NO	NONE	YES
TOC				AMBER	NO	H ₂ PO ₄	YES
METAL				Washed HDPE	NO	NONE	YES
METAL				Acid Washed HDPE	YES	NONE	YES
VOA				GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 3140044 3140044 SWD 1
TURB STD USED: 5.36
METER READING: 5.56

SAMPLE	SPEC COND (µmhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	611	6.65	11.4	2.06	63.5 (pH 5.1)	1025

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VTRPS TURNED IN? YES ☐ NO ☐ VTRP09
BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS:
NO QC BOTTLES

CUSTOMER ID:

PERSONNEL

SIGNATURE

DATE/TIME

TOTAL NUMBER OF BOTTLES THIS SET

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SS-1, SS-2, SS-3, SS-4, SS-5, and SS-6

FIELD SAMPLING DATA

Station: SS-3
Date/Time: 05-11-07 0915
Weather: cool, partly cloudy
Location Description: uphill & east of SW-4 @
focused seepage area

SAMPLE ID # SVS3070511

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	05/11/07	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	11/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₂ PO ₄	YES
COD/NH ₃	01:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SAMPLE	SPECIFIC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	365	7.07	-3.4	11.0	4.33	>10	1030

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0715
#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 7.10.01 readings 7.02, 10.07 #3) Turbidimeter # 1 standard used 5.36 reading 5.61
#2) Dissolved Oxygen Meter SN# 4600 #4) Conductivity Meter SN# 1562
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP 070511S VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
12 MS/MD BOTTLES TURNED IN? YES ☒ NO ☐ SVEB070511S 05/11/07 1300
(Equipment blank - tubing with distilled H₂O)
SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6 & 24SKCSW VASHON LF
ID SVS3070815-
DATE 08/15/2007
TIME 7:00
Sampler SB

FIELD SAMPLING DATA

Station: SW-S3
Date/Time: 08/15/2007
Weather: cool, clear
Location Description: uphill & east of SW-W4 @
focused seepage areaSAMPLE ID # SVS3070815

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	08/	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	15/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	507	6.79	12	15	0.95	9.61	1055

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐TIME: 0830

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings 4.0/7.01standard used 52.4 reading 54.1

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1414

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6KCSW VASHON LF
ID SVS3071030-
DATE 10/30/2007
TIME 12:00
Sampler SB

FIELD SAMPLING DATA

Station: SW-S3
Date/Time: 10/30/2007
Weather: clear, cool
Location Description: uphill & east of SW-W4 @
focused seepage areaSAMPLE ID # SVS3071030

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	10/	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	30/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	411	6.92	+5.2	10	2.23	51.9	1245

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐TIME: 0830

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings 4.7/5.9standard used 52.4 reading 54.9

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1419

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVS3071220-
DATE 12/20/2007

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

Sampler SB

FIELD SAMPLING DATA

Station: **SW-S3**
Date/Time: 12 / 20 / 2007 1040
Weather: cool 40's, partly cloudy
Location Description: uphill & east of SW-W4 @
focused seepage area

KCSW VASHON LF
ID SVEB071220-
DATE 12/20/2007

Sampler SB

KCSW VASHON LF
ID VTRP071220R
DATE 12/20/2007

Sampler SB

SAMPLE ID # SVS3071220 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	12/20	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	20/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:40		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
EB	438	7.37	X	6.7	3.99	15.9	1030
	4.7	5.52	X	13.2	8.07	0.58	1150

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☐ NO ☐ TIME: _____
#1) pH meter (pH, Redox, Temp) SN# 14768 #3) Turbidimeter # 1
standards used 4 & 7 readings X standard used 52.4 reading
#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1410
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ 9630
VTRP 071220R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: _____
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒
SVEB071220- taken of tubing for voas only @
SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL: SBilir SIGNATURE: [Signature]
TOTAL NUMBER OF BOTTLES THIS SET: 12 + 3
VTRP

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVS30803 11

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

Date 03/ 11 /2008
Sampler SB

FIELD SAMPLING DATA

Station: **SW-S3**
Date/Time: 3 / 11 / 2008 1155
Weather: Windy, cool 50's, sunny
Location Description: uphill & east of SW-W4 @
focused seepage area

SAMPLE ID # SVS30803 11 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	3/11	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	11/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	447	6.98	-4.2	8	2.37	13.9	1155

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0830
#1) pH meter (pH, Redox, Temp) SN# 3140044 #3) Turbidimeter # 1
standards used 4 & 7 readings SLP -57 mv/pH, +/- 25 standard used 52.4 reading 55.1
#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1411
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE: _____
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒
SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL: BILIR SIGNATURE: [Signature]
TOTAL NUMBER OF BOTTLES THIS SET: 12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S3**
 Date/Time: 7 / 10 / 2008 1125
 Weather: 60°F, clear
 Location Description: uphill & east of SW-W4 @
 focused seepage area

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD YES/NO	LAB YES/NO	
TSS/TS	7/		1000	blue HDPE	NO	NONE	YES
METALS, D			500	red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH ₃			500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
Peristaltic Pump w/ clean tubing						
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	472	6.86	+2.8	13.9	2.74	8.37
						1125

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0900
 #1) pH meter (pH, Redox, Temp) SN# 03140044 standards used 4 & 7 readings -55.9/-5
 #2) Dissolved Oxygen Meter SN# 4600 101.7
 #3) Turbidimeter # 1 standard used 5.36 reading 5.88
 #4) Conductivity Meter SN# 1562 1413/1416
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ N/A
 VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒ N/A

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL: S. Bilir
 SIGNATURE: *S. Bilir*
 TOTAL NUMBER OF BOTTLES THIS SET: 12

NO SAMPLE COPY

seeps 13 done/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S3**
 Date/Time: 10 / 21 / 2008 1310
 Weather: pty cldy, windy, 50°F's
 Location Description: uphill & east of SW-W4 @
 focused seepage area

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD	RED	GED/ S/ Q
TSS/TS	10/		1000	blue HDPE	NO	NONE	YES
METALS, D	/		500	red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH ₃			500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
Peristaltic Pump w/ clean tubing						
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	447	7.13	-13.7	12.1	5.58	22.0
						1310

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0935
 #1) pH meter (pH, Redox, Temp) SN# 03140044 standards used 4 & 7 readings 4.01/7
 #2) Dissolved Oxygen Meter SN# 4600 101.7
 #3) Turbidimeter # 1 standard used 52.4 reading 56.9
 #4) Conductivity Meter SN# 1562 1413/1423
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ 0.99
 VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒
 EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL: S. Bilir
 SIGNATURE: *S. Bilir*
 DATE/TIME: 10/21/08 1320
 TOTAL NUMBER OF BOTTLES THIS SET: 12

NO COPY

seeps 13 WQ only/samplingFIELDSHEETS.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S3**
Date/Time: **01/07/2009 1120**
Weather: **rainy, 50's overcast**
Location Description: **uphill & east of SW-W4 @
focused seepage area**

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD RED	FIELD RED	FIELD RED
TSS/TS			1000	blue HDPE	NO	NONE	YES
METALS, D			100	Red HDPE	YES	HNO ₃	YES
PHYS			100	blue HDPE	NO	NONE	YES
TOC			240	gray GLASS	NO	H ₃ PO ₄	YES
COD/N			100	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			8@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	361	6.84	1.5	8.8	4.11	17.2	1120

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **1000**
#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings **54.9** standard used 52.4 reading **54.8**
#2) Dissolved Oxygen Meter SN# 4600 **101.7** #4) Conductivity Meter SN# 1562 1413/1433
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES DATE:

MS/MD BOTTLES TURNED IN? YES ☐ NO ☐

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

SAMPLE **1** AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL **S. Bilir** SIGNATURE **[Signature]** DATE / TIME **01/07/09 : 1120**
TOTAL NUMBER OF BOTTLES THIS SET **N/A**

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S3**
Date/Time: **03/26/2009 1030**
Weather: **cool, overcast**
Location Description: **uphill & east of SW-W4 @
focused seepage area**

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD RED	FIELD RED	FIELD RED
TSS/TS			1000	blue HDPE	NO	NONE	YES
METALS, D			100	Red HDPE	YES	HNO ₃	YES
PHYS			100	blue HDPE	NO	NONE	YES
TOC			240	gray GLASS	NO	H ₃ PO ₄	YES
COD/N			100	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			8@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	398	6.86	+2.0	6.9	4.15	11.1	1045

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **1030**
#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings **55.6** standard used 52.4 reading **55.7**
#2) Dissolved Oxygen Meter SN# 4600 **101.7** #4) Conductivity Meter SN# 1562 1413/1433
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES DATE:

MS/MD BOTTLES TURNED IN? YES ☐ NO ☐

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

SAMPLE **1** AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL **S. Bilir** SIGNATURE **[Signature]** DATE / TIME **3/25/2009 1050**
TOTAL NUMBER OF BOTTLES THIS SET **N/A**

PS TURNED IN? YES ☐ NO ☐ ID: _____
 BUBBLE DEAN? YES ☐ NO ☐ ID: _____
 BLANK TURNED IN? YES ☐ NO ☐ ID: _____

No sample collected

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: SW-S3
Date/Time: 02/04/10 1115
Weather: partly cloudy
Location: west hillside

SAMPLING DATA

SAMPLE ID #	SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES
TSS		/	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK		/	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS		2010	GRAB	500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃		:	GRAB	250	WM HDPE	NO	NONE	YES
CL/SO ₄		a.m.	GRAB	125	WM HDPE	NO	NONE	YES
TOC			GRAB	2,40	AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, t			GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d			GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA			GRAB	4,40	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 314004 1562 600323 1 TURB STD USED: 52.4
METER READING: 55.7

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	<u>365</u>	<u>6.65</u>	<u>8.5</u>	<u>1.98</u>	<u>19.9</u>	<u>1120</u>

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
3 VTRPs TURNED IN? YES ☐ NO ☐ VTRP09
BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS: 1/16
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: BILIR SIGNATURE: [Signature] DATE/TIME: 02/04/10
11:30

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S1, SW-24S, SW-S3

FIELD SAMPLING DATA

Station: SW-S3
Date/Time: 04/15 / 2010 1040
Weather: Rain, overcast, 50°F's
Location: uphill & east of SW-W4 at
focused seepage area

Place label here

COPY

SAMPLE ID # n/a

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES
TSS							
COND/ALK							
TDS/TOTS							
NH ₃ /NO ₃							
CL/SO ₄							
TOC							
METALS, t							
METALS, d							
VOA							

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 3140044 3140044 3140044 4352 TURB STD USED: 52.4
METER READING: 50.5

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	<u>393</u>	<u>6.37</u>	<u>9.2</u>	<u>2.75</u>	<u>24.3</u>	<u>1045</u>

SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

SAMPLE ID # n/a

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES
TSS							
COND/ALK							
TDS/TOTS							
NH ₃ /NO ₃							
CL/SO ₄							
TOC							
METALS, t							
METALS, d							
VOA							

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

PERSONNEL: Sevin Bilir SIGNATURE: [Signature] DATE/TIME: 04/15/10
10:55

TOTAL NUMBER OF BOTTLES THIS SET: 10

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Seeps SW-S1, SW-24S, SW-S3)

Station: SW-S3
Date/Time: 08/12/2010 1145
Weather: overcast, 70's
Location: uphill & east of SW-W4 at
focused seepage area

SAMPLING DATA

SAMPLE ID #

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD NO.	LAB NO.	ANALYST
TSS		GRAB	1000	WM HDPE			
COND/ALK		GRAB	500	WM HDPE			
TDS/TOTS	2010	GRAB	500	WM HDPE			
NH ₃ /NO ₃		GRAB	250	WM HDPE			
CL/SO ₄	a.m.	GRAB		WM HDPE			
TOC				WM HDPE			
METAL				WM HDPE			
METAL				WM HDPE			
VOA				GLASS			

PLEASE BE SURE TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3E+06	3140044	SWD	1	
	<u>SPEC</u>			<u>DISSOLVED</u>		
	<u>COND</u>	<u>PH</u>	<u>TEMPERATURE</u>	<u>OXYGEN</u>	<u>TURBIDITY</u>	
<u>SAMPLE</u>	<u>(umhos/cm)</u>	<u>VALUE</u>	<u>(°C)</u>	<u>(mg/L)</u>	<u>NTU</u>	<u>TIME</u>
1	472	6.42	13.7	NM	16.8	1148

NOTES:
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VTRPS TURNED IN? YES ☐ NO ☐ VTRP09
BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS:
NO QC BOTTLES

CUST

PERSONNEL

S. BILLIR

SIGNATURE

S. BILLIR

DATE/TIME

8/12/10
12:05

TOTAL NUMBER OF BOTTLES THIS SET

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Seeps SW-S1, SW-24S, SW-S3)

Station: SW-S3
Date/Time: 11/02/2010 1110
Weather: overcast, 60's F
Location: uphill & east of SW-W4 at
focused seepage area

SAMPLING DATA

SAMPLE ID #

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD NO.	LAB NO.	ANALYST
TSS		GRAB	1000	WM HDPE			
COND/ALK		GRAB	500	WM HDPE			
TDS/TOTS	2010	GRAB	500	WM HDPE			
NH ₃ /NO ₃		GRAB	250	WM HDPE			
CL/SO ₄	a.m.	GRAB		WM HDPE			
TOC				WM HDPE			
METAL				WM HDPE			
METAL				WM HDPE			
VOA				GLASS			

PLEASE BE SURE TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3E+06	3140044	SWD	1	
	<u>SPEC</u>			<u>DISSOLVED</u>		
	<u>COND</u>	<u>PH</u>	<u>TEMPERATURE</u>	<u>OXYGEN</u>	<u>TURBIDITY</u>	
<u>SAMPLE</u>	<u>(umhos/cm)</u>	<u>VALUE</u>	<u>(°C)</u>	<u>(mg/L)</u>	<u>NTU</u>	<u>TIME</u>
1	450	6.61	11.9	1.45	3.37	1105

NOTES:
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VTRPS TURNED IN? YES ☐ NO ☐ VTRP09
BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS:
NO QC BOTTLES

CUST

PERSONNEL

S. BILLIR

SIGNATURE

S. BILLIR

DATE/TIME

11/02/2010
11:20

TOTAL NUMBER OF BOTTLES THIS SET

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONKC VASHON LF
ID SVS4070510-
DATE 05/10/07
TIME 1410
SAMPLER SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SS-1, SS-2, SS-3, SS-4, SS-5, and SS-6

FIELD SAMPLING DATA

Station: SS-4

Date/Time: 05/10/07 1400

Weather: Clear, warm

Location Description: ~ 60 ft N of dry ridge @
focused seepage area

SAMPLE ID # SVS407 05 10 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	05/1	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	10/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	14:10		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
SAMPLE	445	6.94	+3.6	10.3	6.94	710	1430

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0715

#1) pH meter (pH, Redox, Temp) SN# 14768
standards used 7.10.01 readings 7.9.57#3) Turbidimeter SN# 1
standard used 5.36 reading 5.62

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1502

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

Sevin Bilir

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps as of 08may07/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONKCSW VASHON LF
ID SVS4070816-
DATE 08/16/2007
TIME 1040
Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6 & 24S

FIELD SAMPLING DATA

Station: SW-S4

Date/Time: 08/16/2007

Weather: Overcast, Cool

Location Description: ~ 60 ft N of dry ridge @
focused seepage area

SAMPLE ID # SVS40708 16 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	08/16	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	16/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:40		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
SAMPLE	465	6.95	3.5	10.5	0.69	8.42	1030

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1000

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings 4.0/7.01

standard used 52.4 reading 53.9

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1416

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

Sevin B

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

COPY

KCSW VASHON LF
ID SVS4071030-
DATE 10/30/2007
TIME 1130
Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S4**
Date/Time: **10/30/2007**
Weather: **clear, cool**
Location Description: **~ 60 ft N of dry ridge @**

KCSW VASHON LF
ID SVEB071030-
DATE 10/30/2007
TIME 1100
Sampler SB

KCSW VASHON LF
ID VTRP071030S
DATE 10/30/2007
TIME 1130
Sampler SB

focused seepage area

SAMPLE ID # **SVS4071030 -**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	ICED YES/NO
TSS/TS	10/1	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	301		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
SVEB...	2.2	6.55	+2.58	12.1	8.5	0.63
SVS4071030	443	7.08	-3.4	9.9	5.94	1.1
						TIME 1100
						TIME 1115

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0800**

#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 4 & 7 readings **47.59**

#2) Dissolved Oxygen Meter SN# 4600

#3) Turbidimeter # 1 standard used 52.4 reading **0.49**

#4) Conductivity Meter SN# 1562 1413/1419

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP071030S VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: **10/29/07**

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

PLUS SVEB071030- @ 1100 using tubing for SW-S4

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

12

+3VTRP + 12EB

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

COPY

KCSW VASHON LF
ID SVS4071219-
DATE 12/19/2007

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S4**
Date/Time: **12/19/2007 2000**
Weather: **40's overcast**
Location Description: **~ 60 ft N of dry ridge @**

KCSW VASHON LF
ID VTRP071219R
DATE 12/19/2007

Sampler SB

focused seepage area

SAMPLE ID # **SVS4071219 -**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	ICED YES/NO
TSS/TS	12/19	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	19/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	403	7.6	X	8.8	5.35	59.9	1155

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0930**

#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 4 & 7 readings

#2) Dissolved Oxygen Meter SN# 4600

#3) Turbidimeter # 1 standard used 52.4 reading **60.3**

#4) Conductivity Meter SN# 1562 1413/1419

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ **80.9606**

VTRP071219R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF

ID SVS40803 13

Date 03/13/2008

Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S4

Date/Time: 3/13/2008 0945

Weather: 40% cold, raining

Location Description: ~60 ft N of dry ridge @
focused seepage area

KCSWD VASHON LF

ID VTRP080313R

Date 03/13/2008

Sampler SB

SAMPLE ID # SVS40803 13

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES	ICED YES/NO
TSS/TS	3/		1000	blue HDPE	NO	NONE	YES
METALS, D	13/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	10:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	327	7.06	-9.1	8.5	2.3	81.5	0950

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0930

#1) pH meter (pH, Redox, Temp) SN# 3140044 standards used 4 & 7 readings SLP -57 mv/pH, +/- 5
#2) Dissolved Oxygen Meter SN# 4600 101.7
#3) Turbidimeter # 1 57.3
#4) Conductivity Meter SN# 1562 1413 / 1410
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP 080313R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 03/06/08
MS/MD BOTTLES TURNED IN? YES ☒ NO ☐

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

BILIR

SIGNATURE

Bol

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF

ID SVS4080716

Date 07/16/2008

Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S4

Date/Time: 7/16/2008 1140

Weather: cool, low 70s

Location Description: ~60 ft N of dry ridge @
focused seepage area

SAMPLE ID # SVS40807 16

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES	ICED YES/NO
TSS/TS	7/		1000	blue HDPE	NO	NONE	YES
METALS, D	16/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:50		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	407	7.18	-14.8	12.9	4.87	11.7	1140

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0900

#1) pH meter (pH, Redox, Temp) SN# 03140044 standards used 4 & 7 readings -55.9/-5
#2) Dissolved Oxygen Meter SN# 4600 104.7
#3) Turbidimeter # 1 5.36 reading 5.88
#4) Conductivity Meter SN# 1562 1413 / 1416
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☒ NO ☐

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

Bol

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps2456/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S4**
Date/Time: 10/07/2008 1210
Weather: ptly cdy, windy, cold 50°F
Location Description: ~60 ft N of dry ridge @
focused seepage area

KCSWD VASHON LF
ID SVS4081007-
Date 10/07/2008
Sampler SB

KCSWD VASHON LF
ID VTRP081007R
Date 10/07/2008
Sampler SB

SAMPLE ID # **SVS4081007-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	10/07/2008		1000	blue HDPE	NO	NONE	YES
METALS, D	07/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:20		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	540	7.12	-13.5	11.4	4.79	7.41	1215

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0935
#1) pH meter (pH, Redox, Temp) SN# 03140044
standards used 4 & 7 readings -55.4/-8
#2) Dissolved Oxygen Meter SN# 4600 101.7
#3) Turbidimeter # 1 standard used 52.4 reading 56.9
#4) Conductivity Meter SN# 1562 1413/1423
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP 081007R VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: VOA 3-4mm DATE: 10/3/08
MS/MD BOTTLES TURNED IN? YES ☒ NO ☐ (none at pickup)

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Blair
SIGNATURE [Signature] DATE/ TIME 10/07/08 1300
TOTAL NUMBER OF BOTTLES THIS SET 12

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S4**
Date/Time: 01/07/2009 1215
Weather: rainy, overcast, 50°F
Location Description: ~60 ft N of dry ridge @
focused seepage area

KCSWD VASHON LF
ID SVS4090107-
Date 01/07/2009
Sampler SB

SAMPLE ID # **SVS4090107-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	01/07/2009		1000	blue HDPE	NO	NONE	YES
METALS, D	07/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2009		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	440	6.96	4.8	10.0	2.12	39.5	1215

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 1000
#1) pH meter (pH, Redox, Temp) SN# 03140044
standards used 4 & 7 readings -54.9
#2) Dissolved Oxygen Meter SN# 4600 101.7
#3) Turbidimeter # 1 standard used 52.4 reading 54.8
#4) Conductivity Meter SN# 1562 1413/1453
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☒ NO ☐
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Blair
SIGNATURE [Signature] DATE/ TIME 01/07/09 1135
TOTAL NUMBER OF BOTTLES THIS SET 12

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVS4090323-

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

Date 03/23/2009
Sampler SB

FIELD SAMPLING DATA

Station: **SW-S4**
Date/Time: 03/23/2009 1250
Weather: **overcast, slight rain**
Location Description: **- 60 ft N of dry ridge @ focused seepage area**

KCSWD VASHON LF
ID VTRP090323T
Date 03/23/2009
Sampler SB

SAMPLE ID # **SVS4090323-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	03/23/2009	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	23/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2009		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	1300		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
Peristaltic Pump w/ clean tubing	426	7.45	-2.51	8.7	7.03	9.15
						1250

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 10AM
 #1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
 standards used 4 & 7 readings 55.9/-7 standard used 52.4 reading 55.8
 #2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/145
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
 VTRP 090323T VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: 103mm DATE: 3/20/09
 MS/MD BOTTLES TURNED IN? YES ☒ NO ☐
 EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
 SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
DATE/TIME
3/23/2009 1400
TOTAL NUMBER OF BOTTLES THIS SET
12

43 VTRP

seeps2456/samplingFIELD SHEETS.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVS4090714-
Date 07/14/2009
Sampler SB

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S4**
Date/Time: 07/14/2009 1140
Weather: **overcast, ~60°F**
Location: **- 60 ft N of dry ridge at focused seepage area**

SAMPLE ID # **SVS4090714-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS		Peristaltic pump with cleaned tubing	1000	WM HDPE	NO	NONE	YES
COND/pH/ALK	07/14/2009		500	WM HDPE	NO	NONE	YES
TDS/TOTS			500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃			250	WM HDPE	NO	NONE	YES
CL/SO ₄			125	NM HDPE	NO	NONE	YES
TOC	12:00		2,40	AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, d			500	Acid Washed HDPE	YES	NONE	YES
VOA			4,40	GLASS	NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED" ☒

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	3140044	4600	TURBIDITY USED
						5.36
						5.95
						1
SAMPLE	SPEC COND (umhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
Peristaltic pump w/ cleaned tubing	562	7.11	-9.8	13.4	8.55	109
						1145

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS 4, 7, 10
 3 VTRP'S TURNED IN? YES ☒ NO ☐ ID: 51A
 BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 51A
 EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ ID:
 NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL
Sevin Bilir
DATE/TIME
7/14/09
12:50

TOTAL NUMBER OF BOTTLES THIS SET 12

F:\MS\2005\PROJECTS\2005\SWD_VASW1\W_HILL SLOPE\SWD\SAMPLING\seeps2456\FIELD SHEETS

E:\BIDS\2 PROJECTS\284800\SWD VASHON\1_W HILLSLOPE\W\SAMPLING\Sampling\FIELDSHEETS\6.xls

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S4
Date/Time: 04/14/2010 9:30
Weather: clear, 50°F
Location: ~ 60 ft N of dry ridge at focused seepage area

SAMPLE ID # SVS4100414

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS			1000(500)	WM HDPE	NO	NONE	YES
COND/ALK	04/14/2010	Peristaltic pump with cleaned tubing	500(200)	WM HDPE	NO	NONE	YES
TDS/TOTS	14/2010		500(300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃			250(100)	WM HDPE	NO	NONE	YES
CL/SO ₄			125(100)	WM HDPE	NO	NONE	YES
TOC	10:00		2,40 (30)	AMBER GLASS	NO	H ₃ PO ₄	YES
Metals, t			500(200)	Acid Washed HDPE	NO	NONE	YES
METALS, d			500(50)	Acid Washed HDPE	YES	NONE	YES
VOA			4,40 (2,40)	GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic pump w/ cleaned tubing	570	6.2	9.1	2.85	14.0	0935

SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7) 10

3 VTRPS TURNED IN? YES ☒ NO ☐ ID: VTRP100414R DATE: 4/12/10

BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 1 @ 3mm

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ ID: NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir SIGNATURE: [Signature] DATE/TIME: 04/14/10
TOTAL NUMBER OF BOTTLES THIS SET: 13 + 3

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

KCSWD VASHON LF

ID SVS41008 11

Date 08/11/2010

Sampler SB

FIELD SAMPLING DATA (used for Seeps SW-S2, SW-S4, SW-S5, SW-S6)

Station: SW-S4
Date/Time: 08/11/2010 1145
Weather: 20's, clear
Location: ~ 60 ft N of dry ridge at focused seepage area

SAMPLING DATA

SAMPLE ID # SVS4100811 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	8/11/2010	Peristaltic pump with cleaned tubing	1000(500)	WM HDPE	NO	NONE	YES
COND/ALK	8/11/2010		500(200)	WM HDPE	NO	NONE	YES
TDS/TOTS	11:50		500(300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃			250(100)	WM HDPE	NO	NONE	YES
CL/SO ₄			125(100)	WM HDPE	NO	NONE	YES
TOC			2,40 (30)	AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, t			500(200)	Acid Washed HDPE	NO	NONE	YES
METALS, d			500(50)	Acid Washed HDPE	YES	NONE	YES
VOA			4,40 (2,40)	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	317	6.9	14.2	UM	4.27	1147

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7) 10

3 VTRPS TURNED IN? YES ☐ NO ☒ ID: VTRP1008 DATE: 8/11/10

BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: SBILIR SIGNATURE: [Signature] DATE/TIME: 8/11/10 12:25
TOTAL NUMBER OF BOTTLES THIS SET: 13 ✓

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD Sampler SB

FIELD SAMPLING DATA (used for Seeps SW-S2, SW-S4, SW-S5, SW-S6)

Station: SW-S4
Date/Time: 11/02/2010 11:30
Weather: pty cloudy, 60°F
Location: 160 ft N of dry ridge at focused seepage area

SAMPLING DATA

SAMPLE ID #	DATE	TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	11/02/2010	11:30	Peristaltic pump with cleaned tubing	✓ 1000 (500)	WM HDPE	NO	NONE	YES
COND/ALK	02/1			✓ 500 (200)	WM HDPE	NO	NONE	YES
TDS/TOTS	2010			✓ 500 (300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	11:40			✓ 250 (100)	WM HDPE	NO	NONE	YES
CL/SO ₄				✓ 125 (100)	NM HDPE	NO	NONE	YES
TOC				✓ 2,40 (30)	AMBER GLASS	NO	H ₂ PO ₄	YES
METALS, d				✓ 500 (200)	Acid Washed HDPE	NO	NONE	YES
METALS, d				✓ 500 (50)	Acid Washed HDPE	✓ YES	NONE	YES
VOA				✓ 4,40 (2,40)	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	SWD	1
SAMPLE	1				
SPEC COND (umhos/cm)	454				
pH VALUE	6.69				
TEMPERATURE (°C)	11.3				
DISSOLVED OXYGEN (mg/L)	1.53				
TURBIDITY NTU	3.81				
TIME	11:35				

NOTES:
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VTRPs TURNED IN? YES ☐ NO ☒ VTRP1008
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS:
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL
SBILIR

SIGNATURE
SB

DATE/TIME
11/02/2010
13:00

TOTAL NUMBER OF BOTTLES THIS SET

13

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD used for Seeps SS-1, SS-2, SS-3, SS-4, SS-5, and SS-6

FIELD SAMPLING DATA

Station: SS-6
Date/Time: 05/10/07 12:10
Weather: clear, warm
Location Description: ~80ft S of dry ridge @ focused seepage area

SAMPLE ID # SVS507 0510 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	05/1	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	10/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:20		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC				DISSOLVED		
	COND	pH	REDOX	TEMP	OXYGEN	TURBIDITY	
SAMPLE	(umhos/cm)	VALUE	mV	(°C)	(mg/L)	NTU	TIME
	319	7.08	-4.6	10.5	2.86	6.17	1240

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0715
#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 7.10, 0.01 readings 7.95, 7.95
#2) Dissolved Oxygen Meter SN# 4600 standard used 5.36 reading 5.62
#3) Turbidimeter #1
#4) Conductivity Meter SN# 1562
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MSMD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

Sewin Bilir

SIGNATURE

SB

TOTAL NUMBER OF BOTTLES THIS SET

12

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6 & 24S

KCSW VASHON LF
ID SVS50708 16 -
DATE 08/16/2007
TIME 12:30
Sampler SB

FIELD SAMPLING DATA

Station: SW-S5

Date/Time: 08/16/2007

Weather: ptly sunny, cool

Location Description: ~80ft S of dry ridge @
focused seepage areaKCSW VASHON LF
ID VTRP070816R
DATE 08/16/07
TIME 12:30
Sampler SB

SAMPLE ID # SVS50708 16 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	08/16	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	16/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	259	6.95	3.0	12.3	0.61	6.57	1225

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1000

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4.01/7.01

#3) Turbidimeter # 1

standard used 52.4 reading 53.9

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1416

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 070816R

VTRP BUBBLES? YES ☒ NO ☐

BUBBLES: 1@4mm DATE: 8/9/07

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SBilr

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

KCSW VASHON LF
ID SVS5071101 -
DATE 11/01/07
145
Sampler SB

FIELD SAMPLING DATA

Station: SW-S5

Date/Time: 11/01/2007

Weather: cool, partly cloudy

Location Description: ~80ft S of dry ridge @
focused seepage area

SAMPLE ID # SVS507 101 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	11/1	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	01/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:15		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	392	7.09	-5.0	9.7	3.88	34.1	1200

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME:

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings

#3) Turbidimeter # 1

standard used 52.4 reading 56.8

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1422

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP

VTRP BUBBLES? YES ☐ NO ☒

BUBBLES:

DATE:

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

12

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVS5071218-
DATE 12/18/2007

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S5
Date/Time: 12 / 18 / 2007 1200
Weather: Raining, 50°S
Location Description: ~80ft S of dry ridge @
focused seepage area

KCSW VASHON LF
ID VTRP071218R
DATE 12/18/2007

Sampler SB

SAMPLE ID # SVS5071218

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	12/		1000	blue HDPE	NO	NONE	YES
METALS, D	18/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	407	7.33	-22.7	8.9	3.49	34.1	1155

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0930
#1) pH meter (pH, Redox, Temp) SN# 14768 #3) Turbidimeter # 1
standards used 4 & 7 readings 9.0/7 standard used 52.4 reading 54.8
#2) Dissolved Oxygen Meter SN# 4600 10.7 #4) Conductivity Meter SN# 1562 1413/1407
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP 071218R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL SBilir SIGNATURE [Signature]
TOTAL NUMBER OF BOTTLES THIS SET 12 + 3 VTRP

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVS5080313
Date 03/13/2008
Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S5
Date/Time: 3 / 13 / 2008 1045
Weather: 40°S, cold, raining
Location Description: ~80ft S of dry ridge @
focused seepage area

KCSW VASHON LF
ID SVEB080313
Date 03/13/2008
Sampler SB

SAMPLE ID # SVS5080313

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	3/		1000	blue HDPE	NO	NONE	YES
METALS, D	/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:15		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
SVEB080313-	3.8	6.03	82	10.2	7.62	0.8	1055
SVS5080313-	344	6.98	-3	8.7	4.07	1.31	1110

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0930
#1) pH meter (pH, Redox, Temp) SN# 3140044 #3) Turbidimeter # 1
standards used 4 & 7 readings SLP -57 mv/pH, +/- 25 standard used 52.4 reading 57.3
#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1410
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL BLIL SIGNATURE [Signature]
TOTAL NUMBER OF BOTTLES THIS SET 12

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S5
Date/Time: 7/16/2008 1315
Weather:
Location Description: ~80ft S of dry ridge @
focused seepage area

SAMPLE ID # SVS5080716

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	7/		1000	blue HDPE	NO	NONE	YES
METALS, D	16/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	13:20		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	350	7.25	-17.7	11.6	3.81	5.87	1315

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0900
#1) pH meter (pH, Redox, Temp) SN# 03140044 standards used 4 & 7 readings -55.9/-5
#2) Dissolved Oxygen Meter SN# 4600 16.7
#3) Turbidimeter # 1 standard used 5.36 reading 5.88
#4) Conductivity Meter SN# 1562 1413/1416
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET 12 ✓

KCSWD VASHON LF
ID SVS5080716-
Date 07/16/2008
Sampler SB

COPY

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: SW-S5
Date/Time: 10/07/2008 1110
Weather: ptly cldy, windy, cold 50°F's
Location Description: ~80ft S of dry ridge @
focused seepage area

SAMPLE ID # SVS5081007

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	10/		1000	blue HDPE	NO	NONE	YES
METALS, D	07/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:15		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	346	7.62	-39.8	10.9	5.31	4.16	1110

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0935
#1) pH meter (pH, Redox, Temp) SN# 03140044 standards used 4 & 7 readings -55.4/-8
#2) Dissolved Oxygen Meter SN# 4600 10.7
#3) Turbidimeter # 1 standard used 52.4 reading 56.9
#4) Conductivity Meter SN# 1562 1413/1423
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET 12 ✓

SIGNATURE
DATE / TIME
10/07/08 11:30

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S5**
Date/Time: **01/07/2009**
Weather: **rainy, 50's, overcast**
Location Description: **-80ft S of dry ridge @ focused seepage area**

SAMPLE ID # **SVS5090107-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	01/07/2009	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	07/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2009		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₂ PO ₄	YES
COD/NH3	12:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	363	7.43	-29.8	9.8	6.55	2.34	1215

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **1000**
 #1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
 standards used 4 & 7 readings **-54.9** standard used 52.4 reading **54.8**
 #2) Dissolved Oxygen Meter SN# 4600 **10.7** #4) Conductivity Meter SN# 1562 1413/ **1453**
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
 VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒
 EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
 SAMPLES TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET **11**
 SIGNATURE **[Signature]** DATE / TIME **01/07/2009 1245**

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S5**
Date/Time: **03/24/2009 1145**
Weather: **cool, overcast, windy**
Location Description: **-80ft S of dry ridge @ focused seepage area**

SAMPLE ID # **SVS5090324-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	03/24/2009	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	24/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2009		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:50		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	361	7.46	-28.8	8.6	4.92	3.59	1155

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **1100**
 #1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
 standards used 4 & 7 readings **-55.4/-6** standard used 52.4 reading **55**
 #2) Dissolved Oxygen Meter SN# 4600 **10.7** #4) Conductivity Meter SN# 1562 1413/ **1408**
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
 VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒
 EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
 SAMPLES TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET **12**
 SIGNATURE **[Signature]** DATE / TIME **03/24/2009 1155**

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S5
Date/Time: 07 / 16 / 2009 1100
Weather: Clear, 60-70's
Location: ~80ft S of dry ridge at focused seepage area

KCSWD VASHON LF
ID VTRP090716R
Date 07/16/2009
Sampler SB

SAMPLE ID # SVS5090716-

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
TSS			1000	✓ WM HDPE	NO	NONE	YES
COND/pH/ALK	07/		500	✓ WM HDPE	NO	NONE	YES
TDS/TOTS	16/		500	✓ WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	2009		250	✓ WM HDPE	NO	NONE	YES
CL/SO ₄			125	✓ NM HDPE	NO	NONE	YES
TOC	11:05		2,40	✓ AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, d			500	✓ Acid Washed HDPE	YES	NONE	YES
VOA			4,40	✓ GLASS	NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	3140044	4600	TURB STD USED: 5.36 METER READING: 6.08
SAMPLE	SPEC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU

Peristaltic pump w/ cleaned tubing

349 6.9 2.0 12.8 4.24 1.67 1045

SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☒ NO ☐ ID: VTRP090716R DATE: 7/9/09

BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 3, 3, 4 mm

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ ID:

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

Sevin Bilir

SIGNATURE

DATE/TIME

7/16/09

11:40

TOTAL NUMBER OF BOTTLES THIS SET

12 + 3 VTRP

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KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S5
Date/Time: 10 / 22 / 2009 1045
Weather: overcast 50's / partly cloudy
Location: ~80ft S of dry ridge at focused seepage area

KCSWD VASHON LF
ID SVS5091027-
Date 10/27/2009
Sampler SB

SAMPLE ID # SVS5091027-

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
TSS			1000	✓ WM HDPE	NO	NONE	YES
COND/pH/ALK	10/		500	✓ WM HDPE	NO	NONE	YES
TDS/TOTS	27/		500	✓ WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	2009		250	✓ WM HDPE	NO	NONE	YES
CL/SO ₄			125	✓ NM HDPE	NO	NONE	YES
TOC	10:50		2,40	✓ AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, d			500	✓ Acid Washed HDPE	YES	NONE	YES
VOA			4,40	✓ GLASS	NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	3140044	4600	TURB STD USED: 5.36 METER READING: 6.02
SAMPLE	SPEC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU

Peristaltic pump w/ cleaned tubing

220 7.12 -13.1 9.4 4.18 2.28 1047

SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☒ ID: VTRP0910 DATE:

BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS: N/A

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ ID:

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

Sevin Bilir

SIGNATURE

DATE/TIME

10/27/09

11:00

TOTAL NUMBER OF BOTTLES THIS SET

12

F:\MSD\PROJECTS\2009\KCSWD_VASHON1_W_HILLS\OPENWATER\Sampling\FIELD SHEETS\11

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF

ID SVS5100129.

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD Date 01/29/2010

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

Sampler SB

FIELD SAMPLING DATA

Station: SW-S5
Date/Time: 01/29/2010 1335
Weather: overcast
Location: ~80ft S of dry ridge at
focused seepage area

COPY

SAMPLE ID # SVS5100129

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS		Peristaltic pump with cleaned tubing	✓ 1000	WM HDPE	NO	NONE	YES
COND/ALK	01/29		✓ 500	WM HDPE	NO	NONE	YES
TDS/TOTS	29/1		✓ 500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	2010		✓ 250	WM HDPE	NO	NONE	YES
CL/SO ₄			✓ 125	NM HDPE	NO	NONE	YES
TOC	13:45		✓ 2,40	AMBER GLASS	NO	H ₃ PO ₄	YES
Metals, t			✓ 500	Acid Washed HDPE	NO	NONE	YES
METALS, d			✓ 500	Acid Washed HDPE	✓ YES	NONE	YES
VOA			✓ 4,40	GLASS	NO	HCl	YES

✓ FILTER DISS METALS & PUT TOTAL AND DISSOLVED METALS INTO CORRECT BOTTLES

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	1562	0000323	1
SAMPLE	COND (umhos/cm)	PH	REDOX (mV)	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
Peristaltic pump w/ cleaned tubing	446	7.2		9.6	5.08	1.26

Peristaltic pump w/ cleaned tubing

SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

NOTES: INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS (4, 7, 10) No on conductivity

3 VTRPs TURNED IN? YES ☐ NO ☒ ID: VTRP0910 DATE: BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS: N/A EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

Sevin Bilir

SIGNATURE

Bilir

DATE/TIME

01/29/10

14:00

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S5
Date/Time: 04/14/2010 1020
Weather: clear, 50°F
Location: ~80ft S of dry ridge at
focused seepage area

COPY

SAMPLE ID # SVS5100414

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS		Peristaltic pump with cleaned tubing	1000 (500)	WM HDPE	NO	NONE	YES
COND/ALK	04/14		500 (200)	WM HDPE	NO	NONE	YES
TDS/TOTS	14/1		500 (300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	2010		250 (100)	WM HDPE	NO	NONE	YES
CL/SO ₄			125 (100)	NM HDPE	NO	NONE	YES
TOC	10:25		2,40 (30)	AMBER GLASS	NO	H ₃ PO ₄	YES
Metals, t			500 (200)	Acid Washed HDPE	NO	NONE	YES
METALS, d			500 (50)	Acid Washed HDPE	YES	NONE	YES
VOA			4,40 (2,40)	GLASS	NO	HCl	YES

✓ FILTER DISS METALS & PUT TOTAL AND DISSOLVED METALS INTO CORRECT BOTTLES

FIELD WATER QUALITY PARAMETERS

INSTR. #	3160	6.35	9.5	2.2	1.23	10:20
SAMPLE	COND (umhos/cm)	PH	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic pump w/ cleaned tubing	3160	6.35	9.5	2.2	1.23	10:20

SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

NOTES: INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10) 3 VTRPs TURNED IN? YES ☐ NO ☒ ID: VTRP1004 DATE: BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS: EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ ID: NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL

Sevin Bilir

SIGNATURE

Bilir

DATE/TIME

04/14/10

TOTAL NUMBER OF BOTTLES THIS SET

13

10:40

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Seeps SW-S2, SW-S4, SW-S5, SW-S6)

Station: SW-S5
 Date/Time: 08/11/2010 1015
 Weather: 70°F, Clear
 Location: ~80ft S of dry ridge at focused seepage area

SAMPLING DATA

SAMPLE ID# SVS5100811 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	08/11/2010	Peristaltic pump with cleaned tubing	1000(500)	WM HDPE	NO	NONE	YES
COND/ALK	11/1		500(200)	WM HDPE	NO	NONE	YES
TDS/TOTS	2010		500(300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	10:30		250(100)	WM HDPE	NO	NONE	YES
CL/SO ₄			125(100)	WM HDPE	NO	NONE	YES
TOC			2,40 (30)	AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, t			500(200)	Acid Washed HDPE	NO	NONE	YES
METALS, d			500(50)	Acid Washed HDPE	YES	NONE	YES
VOA			4,40 (2,40)	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 3140044 3140044 SWD 1

TURB STD USED: 5.36
METER READING: 4.82

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	406	6.5	12.9	NM	1.28	1020

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
 3 VTRPs TURNED IN? YES ☒ NO ☐ VTRP1008
 BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 102mm
 NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL
SBILIRSIGNATURE
SBILIRDATE/TIME
8/11/10
11:15

TOTAL NUMBER OF BOTTLES THIS SET

13 ✓ 13 VTRP

F:\BWS2_PROJECTS\230603SWD_VASHON\1_W_HILLSLOPE\SAMPLING\SamplingFieldNotes.txt

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

KCSWD VASHON LF
ID SVS5101105 -
Date 11/05/2010

VASHON-1 SURFACE WATER FIELD RECORD Sampler SB

FIELD SAMPLING DATA (used for Seeps SW-S2, SW-S4, SW-S5, SW-S6)

Station: SW-S5
 Date/Time: 11/05/2010 1100
 Weather: 60°F, overcast
 Location: ~80ft S of dry ridge at focused seepage area

SAMPLING DATA

SAMPLE ID# SVS5101105 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	11/1	Peristaltic pump with cleaned tubing	1000(500)	WM HDPE	NO	NONE	YES
COND/ALK	05/1		500(200)	WM HDPE	NO	NONE	YES
TDS/TOTS	2010		500(300)	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	11:30		250(100)	WM HDPE	NO	NONE	YES
CL/SO ₄			125(100)	WM HDPE	NO	NONE	YES
TOC			2,40 (30)	AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, t			500(200)	Acid Washed HDPE	NO	NONE	YES
METALS, d			500(50)	Acid Washed HDPE	YES	NONE	YES
VOA			4,40 (2,40)	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 3140044 3140044 SWD 1

TURB STD USED: 5.36
METER READING: 6.37

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	328	6.62	11.3	2.48	5.03	1120

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
 3 VTRPs TURNED IN? YES ☒ NO ☐ VTRP1008
 BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS:
 NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL
SBILIRSIGNATURE
SBILIRDATE/TIME
11/05/10
12:00

TOTAL NUMBER OF BOTTLES THIS SET

13 ✓

F:\BWS2_PROJECTS\230603SWD_VASHON\1_W_HILLSLOPE\SAMPLING\SamplingFieldNotes.txt

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONKC VASHON LF
ID SVS6070510-
DATE 05/10/07
TIME 1140
SAMPLER SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SS-1, SS-2, SS-3, SS-4, SS-5, and SS-6

FIELD SAMPLING DATA

Station: **SS-6**
 Date/Time: **05/10/07 1130**
 Weather: **clear, warm**
 Location Description: **40ft S of SS-5 @
 focused seepage area**

SAMPLE ID # **SVS607 0510 -**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	05/10/07	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	10/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:40		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	1	2	3	4	5	6	7	8
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME	
	388	7.01	+0.1	10.4	5.82	710	1200	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0715**
 #1) pH meter (pH, Redox, Temp) SN# **14768** #3) Turbidimeter # **1**
 standards used **7, 10, 01** readings **7, 9, 57** standard used **5, 36** reading **5.62**
 #2) Dissolved Oxygen Meter SN# **4600** #4) Conductivity Meter SN# **1562**
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
 VTRP **0705105** VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL **SEVIN BILIR** SIGNATURE **[Signature]**
 TOTAL NUMBER OF BOTTLES THIS SET **15**

seeps as of 08may07/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONKCSW VASHON LF
ID SVS6070816-
DATE 08/16/2007
TIME 1130
Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6 & 24S

FIELD SAMPLING DATA

Station: **SW-S6**
 Date/Time: **08/16/2007**
 Weather: **ptly sunny, cool**
 Location Description: **~ 40ft S of SW-S5 @
 focused seepage area**

SAMPLE ID # **SVS60708 16 -**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	08/16/2007	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	16/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	1	2	3	4	5	6	7	8
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME	
	356	6.82	10.7	13	0.97	11.6	1120	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **1000**
 #1) pH meter (pH, Redox, Temp) SN# **14768** #3) Turbidimeter # **1**
 standards used **4 & 7** readings **4.01/7.01** standard used **52.4** reading **53.9**
 #2) Dissolved Oxygen Meter SN# **4600** #4) Conductivity Meter SN# **1562** 1413/1416
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
 VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
 MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL **Sevin B** SIGNATURE **[Signature]**
 TOTAL NUMBER OF BOTTLES THIS SET **12**

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: **SW-S6**
Date/Time: 11/1 /2007
Weather: cool, partly cloudy
Location Description: ~40ft S of SW-S5 @
focused seepage areaKCSW VASHON LF
ID SVS6071101-
DATE 11/01/07
1245
Sampler SBKCSW VASHON LF
ID VTRP071101S
DATE 11/01/07
1245
Sampler SBSAMPLE ID # **SVS6071101 -**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	11/1	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	01/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	1245		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	377	6.81	10.1	9.4	2.75	34.1	1230

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME:#1) pH meter (pH, Redox, Temp) SN# 14768
standards used 4 & 7 readings
#2) Dissolved Oxygen Meter SN# 4600
#3) Turbidimeter # 1
standard used 52.4 reading 56.8
#4) Conductivity Meter SN# 1562 1413/1422
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP 071101S VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 10/29/07
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

12

+3 VTRP

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6KCSW VASHON LF
ID SVS6071218-
DATE 12/18/2007

Sampler SB

FIELD SAMPLING DATA

Station: **SW-S6**
Date/Time: 12/18 /2007 1300
Weather: Raining, 50°s
Location Description: ~40ft S of SW-S5 @
focused seepage areaKCSW VASHON LF
ID SVS6071219-
DATE 12/19/2007

Sampler SB

SAMPLE ID # **SVS6071218 -**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	12/18	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	18/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2007		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	1300		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	402	7.23	-14.0	6.6	5.24	109	1255

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0930#1) pH meter (pH, Redox, Temp) SN# 14768
standards used 4 & 7 readings 9.0/7
#2) Dissolved Oxygen Meter SN# 4600 10.7
#3) Turbidimeter # 1
standard used 52.4 reading 54.8
#4) Conductivity Meter SN# 1562 1413/1407
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

11/1
SVS6071218- / SVS6071219-

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6KCSWD VASHON LF
ID SVS60803 13
Date 03/13/2008
Sampler SB

FIELD SAMPLING DATA

Station: SW-S6

Date/Time: 3/13/2008

Weather: cold, raining

Location Description: ~ 40ft S of SW-S5 @
focused seepage area

SAMPLE ID # SVS60803 13

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	3/13/2008	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	13/1		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

did not collect

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SPECIFIC COND (umhos/cm)	344	7.06	-8.7	7.3	4.95	40.5	1155
pH VALUE							
REDOX mV							
TEMP (°C)							
DISSOLVED OXYGEN (mg/L)							
TURBIDITY NTU							
TIME							

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0930#1) pH meter (pH, Redox, Temp) SN# 3140044 #3) Turbidimeter # 1 57.3
standards used 4 & 7 readings SLP -57 mv/pH, +/- 2.5 standard used 52.4 reading 55.7

#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1410

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

BILIR

BILIR

TOTAL NUMBER OF BOTTLES THIS SET

11

seeps/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6KCSWD VASHON LF
ID SVS6080716-
Date 07/16/2008
Sampler SB

FIELD SAMPLING DATA

Station: SW-S6

Date/Time: 7/16/2008 1250

Weather: 60° F, Clear

Location Description: ~ 40ft S of SW-S5 @
focused seepage area

SAMPLE ID # SVS60807 16

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	7/16/2008	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D			500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:55		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

slow Recovery
Only collected 1x 1000 HDPE
(told lab on coc to analyze all on same bottle)

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SPECIFIC COND (umhos/cm)	358	7.12	-8.6	12.8	2.36	25.8	1250
pH VALUE							
REDOX mV							
TEMP (°C)							
DISSOLVED OXYGEN (mg/L)							
TURBIDITY NTU							
TIME							

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0900#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings -55.9/-5 standard used 5.36 reading 5.88

#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1416

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

S. Bilir

S. Bilir

TOTAL NUMBER OF BOTTLES THIS SET

11

seeps2456/fieldsheets.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVS6081007-
Date 10/07/2008
Sampler SB

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: **SW-S6**
Date/Time: 10/07/2008 1135
Weather: *ptly cldy, windy, 50°F cold*
Location Description: *~40ft S of SW-S5 @ focused seepage area*

COPY

SAMPLE ID # **SVS6081007-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	10/		1000	blue HDPE	NO	NONE	YES
METALS, D	07/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2008		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	12:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

← Could not get 2nd bottle. (too slow)

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
<i>Peristaltic pump w/ clean tubing</i>	333	7.15	-14.2	11.4	6.70	46.7	1140

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0935
#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings *-55.4/-8* standard used 52.4 reading *56.9*
#2) Dissolved Oxygen Meter SN# 4600 *10.7* #4) Conductivity Meter SN# 1562 1413/1423
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ *299*
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET *(11) 17*
SIGNATURE *SB* DATE/ TIME *10/7/08 1330*

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVS6090107-

VASHON-1 SURFACE WATER SAMPLING FIELD RECORD

used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

Date 01/07/2009
Sampler SB

FIELD SAMPLING DATA

Station: **SW-S6**
Date/Time: 01/07/2009 1250
Weather: *COPY*
Location Description: *~40ft S of SW-S5 @ focused seepage area*

KCSWD VASHON LF
ID VTRP090107T
Date 01/07/2009
Sampler SB

SAMPLE ID # **SVS6090107-**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
TSS/TS	01/		1000	blue HDPE	NO	NONE	YES
METALS, D	07/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2009		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	13:00		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
<i>Peristaltic Pump w/ clean tubing</i>	418	7.32	-20.9	8.9	4.04	9.11	1250

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 1000
#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings *-54.9* standard used 52.4 reading *54.8*
#2) Dissolved Oxygen Meter SN# 4600 *10.7* #4) Conductivity Meter SN# 1562 1413/1453
3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP *090107T* VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: *12/31/08*
MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir
TOTAL NUMBER OF BOTTLES THIS SET *(11) 17*
SIGNATURE *SB* DATE/ TIME *01/07/09 1310*

+3 VTRP

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISIONKCSWD VASHON LF
PI ID VTRP090324RVASHON-1 SURFACE WATER SAMPLING FIELD RECORD
used for Seeps SW-S1, SW-S2, SW-S3, SW-S4, SW-S5, SW-S6, SW-24S

FIELD SAMPLING DATA

Station: SW-S6
Date/Time: 03 / 24 / 2009 1130
Weather: cool, overcast, windy
Location Description: ~ 40ft S of SW-S5 @
focused seepage areaKCSWD VASHON LF
ID SVS6090324-
Date 03/24/2009
Sampler SB

SAMPLE ID # SVS6090324-

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRES.	ICED YES/NO
TSS/TS	03/24/2009	Peristaltic Pump w/ clean tubing	1000	blue HDPE	NO	NONE	YES
METALS, D	24/		500	Red HDPE	YES	HNO ₃	YES
PHYS	2009		1000	blue HDPE	NO	NONE	YES
TOC			2,40	gray GLASS	NO	H ₃ PO ₄	YES
COD/NH3	11:30		500	yellow HDPE	NO	H ₂ SO ₄	YES
VOA			6@40	green GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	396	7.15	-12.2	7.9	5.16	8.63	1140

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 1100

#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings -55.41-6 standard used 52.4 reading 55

#2) Dissolved Oxygen Meter SN# 4600 10.17 #4) Conductivity Meter SN# 1562 1413/ 1408

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 090324R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 3/20/09

MS/MD BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER / GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL: S. Bilir
SIGNATURE: *S. Bilir*
DATE / TIME: 3/24/2009

TOTAL NUMBER OF BOTTLES THIS SET: 12 + 3 VTRP

seeps2456/samplingFIELDSHEETS.xls

VASW-1 (43)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF

ID SVS6090716-

Date 07/16/2009

Sampler SB

VASHON-1 SURFACE WATER FIELD RECORD
used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S6
Date/Time: 07 / 16 / 2009 1030
Weather: clear, ~70-80°F
Location: ~ 40ft S of SW-S5 at
focused seepage area

SAMPLE ID # SVS6090716-

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES/NO
TSS		Peristaltic pump with cleaned tubing	1000	3/4 WM HDPE	NO	NONE	YES
COND/pH/ALK	07/		500	2/3 WM HDPE	NO	NONE	YES
TDS/TOTS	16/		500	✓ WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	2009		250	✓ WM HDPE	NO	NONE	YES
CL/SO ₄			125	✓ NM HDPE	NO	NONE	YES
TOC	10:50		2,40	✓ AMBER GLASS	NO	H ₃ PO ₄	YES
METALS, d			500	✓ Acid Washed HDPE	YES	NONE	YES
VOA			4,40	✓ GLASS	NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED" ✓

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	3140044	4600	1	TURN STD USED: 3.036
							METER READING: 6.08
SAMPLE	SPEC COND (umhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic pump w/ cleaned tubing	385	6.97	-2.3	14.1	8.04	27.8	1100

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☒ ID: DATE:

BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ ID:

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir
SIGNATURE: *S. Bilir*
DATE/TIME: 7/16/09 12:50

TOTAL NUMBER OF BOTTLES THIS SET

12

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KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S6
Date/Time: 04/14/2010 10:10
Weather: Clear, 60°F
Location: ~ 40ft S of SW-S5 at focused seepage area

SAMPLE ID # SVS6100414-1

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS			-2 1000 (500)✓	WM HDPE	NO	NONE	YES
COND/ALK	04/14		-1 500 (200)✓	WM HDPE	NO	NONE	YES
TDS/TOTS	14/2010		-2 500 (300)✓	WM HDPE	NO	NONE	YES
NH ₄ /NO ₃			-1 250 (100)✓	WM HDPE	NO	NONE	YES
CL/SO ₄			-1 125 (100)✓	WM HDPE	NO	NONE	YES
TOC	10:45		-1 2.40 (30)✓	AMBER GLASS	NO	H ₂ PO ₄	YES
Metals, t	4/15		-2 500 (200)✓	Acid Washed HDPE	NO	NONE	YES
METALS, d	2010		-1 500 (50)✓	Acid Washed HDPE	YES	NONE	YES
VOA	1040		-1 4.40 (2.40)✓	GLASS	NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTR. # 1962 3140044 3140044 4352
SPEC COND 378 6.08
pH 6.08
TEMPERATURE 8.8
DISSOLVED OXYGEN 3.64
TURBIDITY 19.8
TIME 10:15

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7 10
3 VTRPs TURNED IN? YES ☐ NO ☒ ID: VTRP1004 DATE:
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS:
EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒ ID:
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir
SIGNATURE: [Signature]
DATE/TIME: 04/14/2010 11:45
TOTAL NUMBER OF BOTTLES THIS SET: 10 1/3

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

VASHON-1 SURFACE WATER FIELD RECORD

used for Seeps SW-S2, SW-S4, SW-S5, SW-S6

FIELD SAMPLING DATA

Station: SW-S6
Date/Time: 08/11/2010 11:20
Weather: 40's, clear
Location: ~ 40ft S of SW-S5 at focused seepage area

SAMPLING DATA

SAMPLE ID # SVS61008 11 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	8/11		✓ 1000 (500)	WM HDPE	NO	NONE	YES
COND/ALK	11/2010		✓ 500 (200)	WM HDPE	NO	NONE	YES
TDS/TOTS	11:30		✓ 500 (300)	WM HDPE	NO	NONE	YES
NH ₄ /NO ₃			✓ 250 (100)	WM HDPE	NO	NONE	YES
CL/SO ₄			✓ 125 (100)	WM HDPE	NO	NONE	YES
TOC			✓ 2.40 (30)	AMBER GLASS	NO	H ₂ PO ₄	YES
METALS, t			✓ 500 (200)✓	Acid Washed HDPE	NO	NONE	YES
METALS, d			✓ 500 (50)	Acid Washed HDPE	✓ YES	NONE	YES
VOA			✓ 4.40 (2.40)	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS. METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 3140044 3140044 SWD 1
SPEC COND 546 6.72
pH 6.72
TEMPERATURE 14
DISSOLVED OXYGEN N.M.
TURBIDITY 30.4
TIME 11:25

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7 10
3 VTRPs TURNED IN? YES ☐ NO ☒ ID: VTRP1008 DATE:
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir
SIGNATURE: [Signature]
DATE/TIME: 8/11/2010 11:45
TOTAL NUMBER OF BOTTLES THIS SET: 13 ✓

KING COUNTY
SOLID WASTE DIVISION

VASW-1 (43)

KCSWD VASHON LF
ID SVS6101105
Date 11/05/2010

VASHON-1 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Seeps SW-S2, SW-S4, SW-S5, SW-S6)

Station: SW-S6
Date/Time: 11/05/2010 1205
Weather: overcast, 60°F
Location: ~ 40ft S of SW-S5 at focused seepage area

SAMPLING DATA

SAMPLE ID # SVS6101105 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES
TSS	11/05		1000(500)✓	NM HDPE	NO	NONE	YES
COND/ALK	05/2010		500(200)✓	NM HDPE	NO	NONE	YES
TDS/TDS	12:20		500(300)✓	NM HDPE	NO	NONE	YES
NH ₄ /NO ₃			250(100)✓	NM HDPE	NO	NONE	YES
CL/SO ₄			125(100)✓	NM HDPE	NO	NONE	YES
TOC			2,40 (30)✓	AMBER GLASS	NO	NONE	YES
METALS, c			500(200)✓	Acid Washed HDPE	NO	H ₂ PO ₄	YES
METALS, d			500(50)✓	Acid Washed HDPE	✓ YES	NONE	YES
VOA			4,40 (2,40)✓	GLASS	NO	HCL	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	3140044	SWD	1
SAMPLE	COND (µmhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
1	392	6.87	11.2	2.10	14.5

TURBIDITY USED: 5.36
METER READING: 6.37

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VTRP'S TURNED IN? YES ☒ NO ☐ VTRP101105R
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS:
NO QC BOTTLES

BUFFERS: 4, 7, 10
DATE: 11/1/2010

CUSTODY RECORD:

PERSONNEL

SHILK

SIGNATURE

SHILK

DATE/TIME

11/05/10
14:00

TOTAL NUMBER OF BOTTLES THIS SET

X 10 + 3

C:\SW_PRC\CTS_2010\SWD_VASHON\1_W_HILLSLOPE\SAMPLING\FIELD\CTS105

KING COUNTY
SOLID WASTE DIVISION

VASW (21)

VASHON QUARTERLY SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: Weir SW-1
Date/Time: 03-28-07
Weather: Sunny, clear, mid 50°F's
Location: Hillslope

KCSW VASHON LF
ID SVW1070328Q
DATE 03/28/07
TIME 1:55
SAMPLER SB

SAMPLING DATA

SAMPLE ID # SVW1070328 2

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES
RAD		GRAB	GALLON	CUBE	NO	HNO ₃	YES
VOA		GRAB	6,40	GLASS	NO	HCL	YES
TSS/TS	03/28	GRAB	1000	HDPE	NO	NONE	YES
METALS	28/	GRAB	500	HDPE	NO	NONE	YES
PHYS 1	2007	GRAB	1000	HDPE	NO	NONE	YES
BOD	13:55	GRAB	1000	HDPE	NO	NONE	YES
CN		GRAB	250	HDPE	NO	NaOH	YES
TOC		GRAB	2,40	GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	STERILE	NO	NaThio	YES
P/HERB		GRAB	301000	AMBER	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

GW INSTR. #		1562	14768	1562	460	TURBIDITY USED: 5.36 METER READING: 5.68	
						1	
SAMPLE	SPEC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	181.2	7.76	-42.7	9.1	9.5	7.87	1400

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
3 VOA TRIP BLANKS INCLUDED? YES ☐ NO ☒ VTRP
14 QC BOTTLES INCLUDED? YES ☐ NO ☒
DATE: 03/28/07

CUSTODY RECORD:

PERSONNEL

SEVIN BLIR

SIGNATURE

SEVIN

DATE/TIME

03/28/07
16:14

TOTAL NUMBER OF BOTTLES THIS SET

21 ✓

COPY

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KC VASHON LF
ID SVW1070509Q
DATE 05/09/07
TIME 1200
SAMPLER SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-1, SW-2, and SW-3

FIELD SAMPLING DATA

Station: SW-1

Date/Time: 05/09/07 1150

Weather: Clear, cool - warm

Location Description: ~15 ft W of SS-1

seepage area

SAMPLE ID # SVW107 05 09 Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD			GALLON	plastic CUBE	NO	HNO ₃	YES
VOA			6.40	green GLASS	NO	HCl	YES
TSS/TS	05/1		1000	blue HDPE	NO	NONE	YES
METALS, D	09/1		500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007		1000	blue HDPE	NO	NONE	YES
BOD			1000	blue HDPE	NO	NONE	YES
CN	12:00		250	green HDPE	NO	NaOH	YES
TOC			2,40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN			500	yellow HDPE	NO	H ₂ SO ₄	YES
DO			300	GLASS	NO	NONE	YES
TOX			500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC			100	white STERILE	NO	NaThio	YES
P/HERB			3,1000	blue AMBER	NO	NONE	YES
METALS, T			500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
4	199	7.8	-44.8	11.2	11.42	14.0	12.15	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4,7 readings 4,7.02

#2) Dissolved Oxygen Meter SN# 4600

TIME: 0730

#3) Turbidimeter # 1

standard used 52.4 reading 53.4

#4) Conductivity Meter SN# 1562

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

Sevin Bilir

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123as of 08may07/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVW10708 14 Q
DATE 08/14/2007
TIME 1130
Sampler SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: SW-W1

Date/Time: 08/14/2007

Weather: clear cool

Location Description: ~15 ft W of SW-S1

seepage area

SAMPLE ID # SVW10708 14 Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD			GALLON	plastic CUBE	NO	HNO ₃	YES
VOA			6.40	green GLASS	NO	HCl	YES
TSS/TS	08/14		1000	blue HDPE	NO	NONE	YES
METALS, D	11:30		500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007		1000	blue HDPE	NO	NONE	YES
BOD			1000	blue HDPE	NO	NONE	YES
CN			250	green HDPE	NO	NaOH	YES
TOC			2,40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN			500	yellow HDPE	NO	H ₂ SO ₄	YES
DO			300	GLASS	NO	NONE	YES
TOX			500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC			100	white STERILE	NO	NaThio	YES
P/HERB			3,1000	blue AMBER	NO	NONE	YES
METALS, T			500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
4	229	7.73	-41.3	13.9	7.04	238	1120	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4.01/7.01

#2) Dissolved Oxygen Meter SN# 4600

TIME: 0810

#3) Turbidimeter # 1

standard used 52.4 reading 53.4

#4) Conductivity Meter SN# 1562 1413/1412

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

Sevin B

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W1**

Date/Time: **11/01/2007**

Weather: **cool, overcast**

Location Description: **~15 ft W of SW-S1
seepage area**

SAMPLE ID # **SVW10711 01 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	KCSW VASHON LF ID VTRP071101R DATE 11/01/2007 TIME 10:15 Sampler SB
RAD							
VOA			6.40	plastic CUBE	NO	HNO ₃	
TSS/TS	11/		1000	green GLASS	NO	HCl	
METALS, D	01/		500	blue HDPE	NO	NONE	
PHYS 1	2007		1000	red HDPE	YES	HNO ₃	
BOD			1000	blue HDPE	NO	NONE	
CN	10:15		250	green HDPE	NO	NaOH	
TOC			2.40	gray TOC	NO	H ₂ PO ₄	
COD/TP/TKN			500	yellow HDPE	NO	H ₂ SO ₄	
DO			300	GLASS	NO	NONE	
TOX			500	yellow AMBER	NO	H ₂ SO ₄	
TC/FC			100	white STERILE	NO	NaThio	
P/HERB			3,1000	blue AMBER	NO	NONE	
METALS, T			500	red HDPE	NO	HNO ₃	

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	
	239	7.69	-38.0	9.1	13.33	87.9	0945

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings

#2) Dissolved Oxygen Meter SN# 4600

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 071101R VTRP BUBBLES? YES ☐ NO ☒

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

22

+3 VTRP

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W1**

Date/Time: **3/12/2008**

Weather: **cool, overcast**

Location Description: **~15 ft W of SW-S1
seepage area**

SAMPLE ID # **SVW10803 12 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD							
VOA			6.40	plastic CUBE	NO	HNO ₃	YES
TSS/TS	3/		1000	green GLASS	NO	HCl	YES
METALS, D	12/		500	blue HDPE	NO	NONE	YES
PHYS 1	2008		1000	red HDPE	YES	HNO ₃	YES
BOD			1000	blue HDPE	NO	NONE	YES
CN	11:45		250	green HDPE	NO	NaOH	YES
TOC			2.40	gray TOC	NO	H ₂ PO ₄	YES
COD/TP/TKN			500	yellow HDPE	NO	H ₂ SO ₄	YES
DO			300	GLASS	NO	NONE	YES
TOX			500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC			100	white STERILE	NO	NaThio	YES
P/HERB			3,1000	blue AMBER	NO	NONE	YES
METALS, T			500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	
	216	7.82	-50.3	7.4	7.05	271	1130

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 3140044

standards used 4 & 7 readings

#2) Dissolved Oxygen Meter SN# 4600 101.7

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 0803125 VTRP BUBBLES? YES ☐ NO ☒

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

22

+3 VTRP

VASW (21)

KING COUNTY
SOLID WASTE DIVISION

VASHON QUARTERLY SURFACE WATER FIELD

FIELD SAMPLING DATA

Station: Weir SW-W1
 Date/Time: 5/21/08 1135
 Weather: cool SCS, overcast
 Location: VA Hillslope

SAMPLING DATA

SAMPLE ID # SVW1080521

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
RAD		GRAB	GALLON	CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	GLASS	NO	HCl	YES
TSS/TS		GRAB	1000	HDPE	NO	NONE	YES
METALS		GRAB	500	HDPE	NO	HNO ₃	YES
PHYS 1		GRAB	1000	HDPE	NO	NONE	YES
BOD		GRAB	1000	HDPE	NO	NONE	YES
CN		GRAB	250	HDPE	NO	NaOH	YES
TOC		GRAB	2.40	GLASS	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	STERILE	NO	NaThio	YES
P/HERB		GRAB	3@1000	AMBER	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTR. #	SPEC COND (umhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1562 SN14768	248	7.82	-50.4	11.3	5.6	10.7	1140

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0730 AM
 3 VOA TRIP BLANKS INCLUDED? YES ☒ NO ☐ VTRP 0805215 DATE: 5/21/08
 14 QC BOTTLES INCLUDED? YES ☐ NO ☒

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

S. Bilir

DATE/TIME

5/21/08

11:48

TOTAL NUMBER OF BOTTLES THIS SET

21

+3 VTRP

VASW-2 (44)

KCSWD VASHON LF
SOLID WASTE DIVISION
ID VTRP080715R
Date 07/15/2008
Sampler SBVASHON-2 SURFACE WATER SAMPLING
used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: SW-W1
 Date/Time: 7/15/2008 1115
 Weather: WARM, 75°F, clear

Location Description: ~15 ft W of SW-S1 seepage areaSAMPLE ID # SVW1080715 Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS		GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D		peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1		GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN		GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	205	7.91	-55.8	13.8	8.61	53.9	1120

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0810
 #1) pH meter (pH, Redox, Temp) SN# 03140044
 standards used 4 & 7 readings -57.1/-6
 #2) Dissolved Oxygen Meter SN# 4600 101.7
 standard used 5.36 reading 5.69
 #4) Conductivity Meter SN# 1562 1413/1411
 3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
 VTRP 080715R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: 7/15/08
 QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

S. Bilir

TOTAL NUMBER OF BOTTLES THIS SET

22

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W1**

Date/Time: 10/06/2008 1200

Weather: Cold SOP's, overcast

SAMPLE ID # **SVW1081006 Q**

Location Description: ~15 ft W of SW-S1
seepage area

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD			GALLON	plastic CUBE	NO	HNO ₃	YES
VOA			6.40	green GLASS	NO	HCl	YES
TSS/TS	10/		1000	blue HDPE	NO	NONE	YES
METALS, D	06/		500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008		1000	blue HDPE	NO	NONE	YES
BOD			1000	blue HDPE	NO	NONE	YES
CN	13:00		250	green HDPE	NO	NaOH	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/TP/TKN			500	yellow HDPE	NO	H ₂ SO ₄	YES
DO			300	GLASS/PLASTIC	NO	NONE	YES
TOX			500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC			100	white STERILE	NO	NaThio	YES
P/HERB			3,1000	blue AMBER	NO	NONE	YES
METALS, T			500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	TIME
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
Peristaltic Pump w/ clean tubing	228	7.2	-11.5	12.4	8.48	27.3

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings 4.01/7

#2) Dissolved Oxygen Meter SN# 4800 101.7

TIME: 0930

#3) Turbidimeter # 1

standard used 52.4 reading 54.6

#4) Conductivity Meter SN# 1562 1413/1420

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir

SIGNATURE

DATE / TIME 10/06/08 : 1345

TOTAL NUMBER OF BOTTLES THIS SET 22

SW123/samplingFIELDSHEETS.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W1**

Date/Time: 01/06/2009 1230

Weather: Rain, overcast, windy, 40's

SAMPLE ID # **SVW10810 Q**

Location Description: ~15 ft W of SW-S1
seepage area

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD			GALLON	plastic CUBE	NO	HNO ₃	YES
VOA			6.40	green GLASS	NO	HCl	YES
TSS/TS	01/		1000	blue HDPE	NO	NONE	YES
METALS, D	1		500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009		1000	blue HDPE	NO	NONE	YES
BOD			1000	blue HDPE	NO	NONE	YES
CN			250	green HDPE	NO	NaOH	YES
TOC			2.40	gray GLASS	NO	H ₃ PO ₄	YES
COD/TP/TKN			500	yellow HDPE	NO	H ₂ SO ₄	YES
DO			300	GLASS/PLASTIC	NO	NONE	YES
TOX			500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC			100	white STERILE	NO	NaThio	YES
P/HERB			3,1000	blue AMBER	NO	NONE	YES
METALS, T			500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	TIME
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
Peristaltic Pump w/ clean tubing						

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☐ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings

#2) Dissolved Oxygen Meter SN# 4800

TIME:

#3) Turbidimeter # 1

standard used 52.4 reading

#4) Conductivity Meter SN# 1562 1413/

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☐

QC BOTTLES TURNED IN? YES ☐ NO ☐

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir

SIGNATURE

DATE / TIME 01/06/09 : 1235

TOTAL NUMBER OF BOTTLES THIS SET N/A

SW123/samplingFIELDSHEETS.xls

VASW-2 (44)

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W1**

Date/Time: 03/26/2009 1045

Weather: Cool, overcast, 40's

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW1090326Q

Date 03/26/2009

Sampler SB

Location Description: ~15 ft W of SW-S1
seepage area

SAMPLE ID # **SVW1090326 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD			GALLON	plastic CUBE	NO	HNO ₃	YES
VOA			6.40	green GLASS	NO	HCl	YES
TSS/TS	03/		1000	blue HDPE	NO	NONE	YES
METALS, D	26/		500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009		1000	blue HDPE	NO	NONE	YES
BOD			1000	blue HDPE	NO	NONE	YES
CN	11:00		250	green HDPE	NO	NaOH	YES
TOC			2.40	gray GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN			500	yellow HDPE	NO	H ₂ SO ₄	YES
DO			300	GLASS/PLASTIC	NO	NONE	YES
TOX			500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC			100	white STERILE	NO	NaThio	YES
P/HERB			3,1000	blue AMBER	NO	NONE	YES
METALS, T			500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SPECIFIC COND (umhos/cm)	PH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Peristaltic Pump w/ clean tubing	202	8.43	-77.8	5.6	9.87	3.15	1045

NOTES:

- INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
- #1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
- standards used 4 & 7 readings -55.71-6 standard used 52.4 reading 57
- #2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/440

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL: S. Bilir SIGNATURE: [Signature] DATE/TIME: 3/25/2009 11:30

TOTAL NUMBER OF BOTTLES THIS SET: 22

SW123/sampling/FIELDSHEETS.xls

VASW-2 (44)

VASHON-2 SURFACE WATER FIELD RECORD

used for Weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W1**

Date/Time: 07/13/2009 1105

Weather: overcast, ~60°F

Location: ~15 ft W of SW-S1 seepage area

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW1090713Q

Date 07/13/2009

Sampler SB

SAMPLE ID # **SVW1090713Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS		GRAB	1000	WM HDPE	NO	NONE	YES
COND/pH/ALK/TURB		GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTP		GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₃ /NO ₂	13/	GRAB	60	WM HDPE	YES	NONE	YES
TOTP	2009	GRAB	250	WM HDPE	NO	NONE	YES
CB/FL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
CN	11:10	GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
WDO		GRAB	300	GLASS	NO	H ₂ SO ₄ / AIA	NO
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
TC/FC		GRAB	500	STERILE	NO	NONE	YES
P/HERB		GRAB	3,1000	AMBER	NO	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES

Filter ORTHOP SAMPLE USING METALS FILTER
Preserve WDO w/ PILLOW POUCHES & Place in insulated covers
LABEL & FILTER ONE OF THE METALS BOTTLES "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SPEC COND (umhos/cm)	PH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1562	03140044	03140044	3140044	4600	1		
SAMPLE							
GRAB	238	7.61	-37.2	13.4	5.05	20.8	1115

NOTES:

DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE IN CN bottle? YES ☐ NO ☒ NO Reaction

PUT TEST STRIP RESULTS ON COC. "test strip = no reaction" or "sulfide < 50 ppm"...or...

if test strip darkens "test strip=reaction", write in column next to # of bottles

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)

4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒

3 VTRPs INCLUDED WITH THIS SET? YES ☐ NO ☒ VTRP0907 DATE:

BUBBLES? YES ☐ NO ☒ SIZES: N/A

CUSTODY RECORD:

PERSONNEL: Sevin Bilir SIGNATURE: [Signature] DATE/TIME: 07/13/09 12:30

TOTAL NUMBER OF BOTTLES THIS SET: 23

F:\Biodiv\PROJECTS\WATER\WDO\WDO_VASW\WDO_VASW\WDO_VASW\FIELDSHEETS.xls

KING COUNTY
SOLID WASTE DIVISION

VASW-2 (44)

VASHON-2 SURFACE WATER FIELD RECORD
used for Weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: SW-W1
Date/Time: 10/20/2009 1200
Weather: overcast 50's
Location: -15 ft W of SW-S1 seepage area

SAMPLE ID # SVW1091020Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS		GRAB	1000	WM HDPE	NO	NONE	YES
COND/PH/ALK/TURB		GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	10/	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₂ /NO ₃	20/	GRAB	60	WM HDPE	YES	NONE	YES
TOTP	2009	GRAB	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
CH	12:05	GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
NDO		GRAB	300	GLASS	NO	MnSO ₄ / AIA	NO
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
TC/FC		GRAB	500	STBRILE	NO	NONE	YES
PEST/HERB		GRAB	3, 1000	AMBER	NO	NONE	YES
VQA		GRAB	4,40	GLASS	NO	HCl	YES

FILTER ORTHOP SAMPLE USING METALS FILTER
Preserve WDO w/ PILLOW POUCHES & Place in Insulated covers
LABEL & FILTER ONE OF THE METALS BOTTLES "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	1562	03140044	03140044	03140044	4600	TURB STD USED	5.36
						METER READING	5.87
SAMPLE	SPEC COND (umhos/cm)	PH VALUE	REDUX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	173.1	7.84	-47.3	11.3	6.07	18.8	1210

DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE IN CN BOTTLE? YES ☐ NO ☒
PUT TEST STRIP RESULTS ON COC. (test strip = no reaction" or "sulfide < 50 ppm" or...
If test strip darkens "test strip reaction", write in column next to # of bottles

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒
3 VTRPs INCLUDED WITH THIS SET? YES ☐ NO ☒ VTRP0910 DATE:
BUBBLES? YES ☐ NO ☐ SIZES: N/A

CUSTODY RECORD:

PERSONNEL: Sevin Hilir
SIGNATURE: [Signature]
DATE/TIME: 10/20/09
TOTAL NUMBER OF BOTTLES THIS SET: 23

KING COUNTY
SOLID WASTE DIVISION

VASW-2 (44)

VASHON-2 SURFACE WATER FIELD RECORD
used for Weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: SW-W1
Date/Time: 01/21/2010 1135
Weather: cloudy
Location: -15 ft W of SW-S1 seepage area

SAMPLEID# SVW1100121Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS		GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB		GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	01/	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₂ /NO ₃	21/	GRAB	60	WM HDPE	YES	NONE	YES
TOTP	2010	GRAB	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
CH	11:40	GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
TC/FC		GRAB	500	STBRILE	NO	NONE	YES
PEST/HERB		GRAB	3, 1000	AMBER	NO	NONE	YES
VQA		GRAB	4,40	GLASS	NO	HCl	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE!
FILTER DISS METALS & MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES.
LABEL ONE OF THE METALS BOTTLES "FIELD FILTERED" AND THEN FILTER THAT ONE!

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	1562	03140044	1562	03140044	1562	TURB STD USED	5.36
						METER READING	5.78
SAMPLE	SPEC COND (umhos/cm)	PH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME	
GRAB	192.3	7.29	9.6	14.2	11.4	1135	

DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE IN CN BOTTLE? YES ☐ NO ☒
PUT TEST STRIP RESULTS ON COC. (test strip = no reaction" or "sulfide < 50 ppm" or...
If test strip darkens "test strip reaction", write in column next to # of bottles

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒
3 VTRPs INCLUDED WITH THIS SET? YES ☐ NO ☒ VTRP1001 DATE:
BUBBLES? YES ☐ NO ☐ SIZES: N/A

CUSTODY RECORD:

PERSONNEL: SBILIR / Rthompson
SIGNATURE: [Signature]
DATE/TIME: 01/21/10
TOTAL NUMBER OF BOTTLES THIS SET: 22

KCSWD VASHON LF
ID SVW1100419Q

VASW-2 (44)

Date 04/19/2010

VASHON-2 SURFACE WATER FIELD RECORD Sampler RT/BK/

FIELD SAMPLING DATA

Station: SW-W
Date/Time: 4/19/10 12:10
Weather: Overcast, 60's
Location: Weir 1, West hillslope

SAMPLING DATA

SAMPLE ID #		DATE		VOLUME	CONTAINER	FIELD FILTERED	ICED
TYPE		TIME	METHOD	(mL)	TYPE	(YES, NO)	YES
						PRESERVATIVE	NQ
✓ TSS		19/	GRAB	✓ 1000	WM HDPE	NO	YES
COND/ALK/TURB		04/	GRAB	✓ 500	WM HDPE	NO	YES
✓ TDS/TOTS		2010	GRAB	✓ 500	WM HDPE	NO	YES
✓ ORTHOP/NH ₃ /NO ₂ /NO ₃		12:20	GRAB	✓ 60	WM HDPE	YES	YES
✓ TOTP		a.m.	GRAB	✓ 250	WM HDPE	NO	YES
✓ CL/PL/SO ₄			GRAB	✓ 125	NN HDPE	NO	YES
✓ CN			GRAB	✓ 500	WM AMBER HDPE	NO	YES
✓ TKN/COD			GRAB	✓ 250	NN HDPE	NO	YES
✓ BOD			GRAB	✓ 2000	NN HDPE	NO	YES
✓ TOC			GRAB	✓ 2, 40	AMBER GLASS	NO	YES
✓ TOX			GRAB	✓ 500	AMBER GLASS	NO	YES
✓ METALS, t			GRAB	✓ 500	Acid Washed HDPE	NO	YES
✓ METALS, d			GRAB	✓ 500	Acid Washed HDPE	YES	YES
✓ TC/FC			GRAB	✓ 500	STERILE	NO	YES
✓ PEST/HERB			GRAB	✓ 3, 1000	AMBER	NO	YES
✓ VOA			GRAB	✓ 4, 40	GLASS	NO	YES

✓ REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE !
✓ PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE
CORRECT BOTTLES.

~~DON'T FORGET TO LABEL ONE OF THE METALS BOTTLES FIELD FILTERED - AND THEN FILTER THAT ONE I~~

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.		1962		214004		6		1		METER READING 7.9	
SAMPLE	SPEC	COND	pH	TEMPERATURE	DISSOLVED	OXYGEN	TURBIDITY	NTU	TIME		
	(umhos/cm)										
1	23.7	7.11	13.1	11	nm		6.01		1230		

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒
REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒
3 VTRPS INCLUDED WITH THIS SET? YES ☐ NO ☒ VTRP09 DATE:
BUBBLES? YES ☐ NO ☐ SIZES:

CUSTODY RECORD:

PERSONNEL RT AB SIGNATURE SPB DATE/TIME 4 19 10
12 45

\\nas152.projects.28mp085wd.vashon.w.hillslope.sampling\OLD44 VASW-2_lmiSWDjan2010.xls

KING COUNTY
SOLID WASTE DIVISION

VASW-2 (44)

Place label here

VASHON-2 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Weirs SW-W1, SW-W2 and SW-W3)

KCSWD VASHON LF
ID SVW1100816Q
Date 08/16/2010
Sampler RT/BK

Station: SW-W1
Date/Time: 8-16-10 1:05 PM
Weather: Clear, warm
Location: Weir 1

SAMPLING DATA

SAMPLE		DATE	VOLUME	CONTAINER	FIELD	ICED
TYPE	TIME	METHOD	(mL)	TYPE	FILTERED	YES
					(YES/NO)	PRESERVATIVE
TSS	8 /	GRAB	✓ 1000	WM HDPE	NO	NONE
COND/ALK/TURB	16 /	GRAB	✓ 500	WM HDPE	NO	NONE
TDS/TOTS	2010	GRAB	✓ 500	WM HDPE	NO	NONE
ORTHOP/NH ₃ /NO ₂ /NO ₃	1:15	GRAB	✓ 60	WM HDPE	YES	NONE
TOTP	a.m.	GRAB	✓ 250	WM HDPE	NO	NONE
Cl/FL/SO ₄		GRAB	✓ 125	NM HDPE	NO	NONE
OR		GRAB	✓ 500	WM AMBER HDPE	NO	NaOH
TKN/COD		GRAB	✓ 250	WM HDPE	NO	H ₂ SO ₄
BOD		GRAB	✓ 2000	WM HDPE	NO	NONE
TOC		GRAB	✓ 2, 40	AMBER GLASS	NO	H ₃ PO ₄
TOX		GRAB	✓ 500	AMBER GLASS	NO	H ₂ SO ₄
METALS, t		GRAB	✓ 500	Acid Washed HDPE	NO	NONE
METALS, d		GRAB	✓ 500	Acid Washed HDPE	YES	NONE
TC/FC		GRAB	✓ 500	STERILE	NO	NONE
PEST/HERB		GRAB	✓ 3, 1000	AMBER	NO	NONE
VOA		GRAB	✓ 4, 40	GLASS	NO	HCl

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE !
PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE
CORRECT BOTTLES.

DON'T FORGET TO LABEL ONE OF THE METALS BOTTLES "FIELD FILTERED" - AND THEN FILTER THAT ONE!

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.						METER READING
SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	<u>DISSOLVED OXYGEN</u> (mg/L)	TURBIDITY NTU	TIME
1	197	7.22	13.3	6.8	34.9	1:10 → 3:10 R.T. 8/16/10

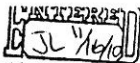
NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒
REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUBBLES: 4, 7 10
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒
3 VTRP^s INCLUDED WITH THIS SET? YES ☐ NO ☒ VTRP09 DATE:
BUBBLES: YES ☐ NO ☐ SIZES:

CUSTODY RECORD:

PERSONNEL g.p.u.R SIGNATURE SB DATE/TIME 8/16/10
1:50

TOTAL NUMBER OF BOTTLES THIS SET 22 ✓
F:\82\82_PROJECTS\20rep\0415\02_VASHON\1_W_HILL\BLOPE\1\SAMPLING\sampling\FIELDSHEETS.xls

VASW (21)

KING COUNTY
SOLID WASTE DIVISIONKCSWD VASHON LF
ID VTRP101109R

Date 11/09/2010

Sampler RT/SM

VASHON QUARTERLY SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: SW-w1 Weir
 Date/Time: 11-9-2010 1230
 Weather: Rain 40°F
 Location: West Hillslope - Vashon

KCSWD VASHON LF

ID SVW1101109Q

Date 11/09/2010

Sampler RT/SM

SAMPLING DATA

SAMPLE ID # SVW1101109 Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES
TSS	11/9/10	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB	09/1	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₄ /NO ₃ /NO ₂	12:30	GRAB	60	WM HDPE	YES	NONE	YES
TOTP	P.m.	GRAB	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		GRAB	125	NM HDPE	NO	NONE	YES
CN		GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	NO	NONE	YES
TC/FC		GRAB	500	STERILE	NO	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES
PEST/HERB		GRAB	3,1000	AMBER	NO	NONE	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE!
 PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR.	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	200	6.65	8.6	9.33	47.9	1230

TURB STD USED: 3.77
 METER READING: 3.76

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒
 REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
 3 VOA TRIP BLANKS INCLUDED? YES ☐ NO ☒ VTRP 10/10/98 10:47
 VTRP BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 30, 2, 3, 4 DATE: 11-08-10
 4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒

CUSTODY RECORD:

* pump ran out of battery. Not field filtered.

PERSONNEL: Pebelia Thompson SIGNATURE: Pebelia Thompson DATE/TIME: 11/9/2010 13:22

TOTAL NUMBER OF BOTTLES THIS SET: 22 + 3 VOB

VASW (21)

KING COUNTY
SOLID WASTE DIVISION

VASHON QUARTERLY SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: Weir SW-2
 Date/Time: 03-28-07
 Weather: Sunny, clear, mid 50°F's
 Location: Hillslope

KCSW VASHON LF
 ID SVW2070328Q
 DATE 03/28/07
 TIME 1145
 SAMPLER SB

SAMPLING DATA

SAMPLE ID # SVW2070328 Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES
RAD		GRAB	GALLON	CUBE	NO	HNO ₃	YES
VOA		GRAB	6,40	GLASS	NO	HCl	YES
TSS/TS	03/	GRAB	1000	HDPE	NO	NONE	YES
METALS	28/	GRAB	500	HDPE	NO	HNO ₃	YES
PHYS 1	2007	GRAB	1000	HDPE	NO	NONE	YES
BOD	11:45	GRAB	1000	HDPE	NO	NONE	YES
CN		GRAB	250	HDPE	NO	NaOH	YES
TOC		GRAB	2,40	GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	STERILE	NO	NaThio	YES
P/HERB		GRAB	301000	AMBER	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTR.	SPEC COND (umhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1562	14768	1562	460	8.6	17.5	5.21	11:50

TURB STD USED: 5.36
 METER READING: 5.68

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 9 Am-10 Am
 3 VOA TRIP BLANKS INCLUDED? YES ☐ NO ☒ VTRP DATE: 03/28/07
 14 QC BOTTLES INCLUDED? YES ☐ NO ☒

CUSTODY RECORD:

PERSONNEL: SEVIN BILIR SIGNATURE: Sevin Bilir DATE/TIME: 03/28/07 16:14

TOTAL NUMBER OF BOTTLES THIS SET: 21 ✓

COPY

VASW-2 (44)

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-1, SW-2, and SW-3

FIELD SAMPLING DATA

Station: **SW-2**

Date/Time: **05/09/07 1115**

Weather: **clear, cool**

SAMPLE ID # **SVW207 05 09 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6,40	green GLASS	NO	HCl	YES
TSS/TS	05/09/07	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	09/07	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	11:30	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2,40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
4	708	8.3	-73.1	10.5	12.48	14.6	1145	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 4,7 readings 4,7,02

#2) Dissolved Oxygen Meter SN# 4600

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL **Sevin Bilir**

SIGNATURE **[Signature]**

TOTAL NUMBER OF BOTTLES THIS SET **22**

SW123as of 08may07/fieldsheets.xls

VASW-2 (44)

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W2**

Date/Time: **08/14/2007**

Weather: **clear cool**

SAMPLE ID # **SVW20708 14 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6,40	green GLASS	NO	HCl	YES
TSS/TS	08/14/2007	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	14/2007	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	08:45	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2,40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
4	698	8.26	-72.1	12.9	9.56	15.7	0915	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 4 & 7 readings 4.0/7.01

#2) Dissolved Oxygen Meter SN# 4600

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL **Sevin Bilir**

SIGNATURE **[Signature]**

TOTAL NUMBER OF BOTTLES THIS SET **22**

SW123/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVW2071030Q
DATE 10/30/2007
TIME 1040
Sampler SB

VASW-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W2**

Date/Time: 10/30/2007

Weather: 100% overcast

Location Description: near property line
~30 ft east of SW-W4

SAMPLE ID # **SVW2071030 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	10/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	30/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	1040	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	
	647	8.19	-66.5	9.0	7.69	8.2	1030

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4/7.59

#2) Dissolved Oxygen Meter SN# 4600

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☒

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVW2071218-
DATE 12/18/2007

VASW-3 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W2 and SW-W3 (DECEMBER sampling)

Sampler SB

FIELD SAMPLING DATA

Station: **SW-W2**

Date/Time: 12/18/2007 1015

Weather: Raining, 50's

Location Description: near property line
~30 ft east of SW-W4

SAMPLE ID # **SVW2071218 -**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	GLASS	NO	HCl	YES
TSS/TS	12/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	18/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:15	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	
	681	8.32	-73.9	6.6	8.4	8.79	1010

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☐ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4.01/7

#2) Dissolved Oxygen Meter SN# 4600 101.7

#4) Conductivity Meter SN# 1562 1413/1407

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 0712185 VTRP BUBBLES? YES ☐ NO ☒

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

KCSW VASHON LF
ID VTRP0712185
DATE 12/18/2007

Sampler SB

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

11

VTRP

DEC SW23/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISIONKCSWD VASHON LF
ID SVW20803 12 Q
Date 03/ 12 /2008
Sampler SBVASHON-2 SURFACE WATER SAMPLING FIELD RECORD
used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: SW-W2
Date/Time: 3/ 12 /2008 0945
Weather: cool, overcastLocation Description: near property line
-30 ft east of SW-W4

SAMPLE ID # SVW20803 12 Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	3/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	12/1	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:00	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	
	741	8.44	-8.31	6.7	7.14	9.7	0950

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 3140044

standards used 4 & 7 readings N/A

#2) Dissolved Oxygen Meter SN# 4600 101.7

TIME: 0830

#3) Turbidimeter # 1

standard used 52.4 reading 56.2

#4) Conductivity Meter SN# 1562 1413/ 1408

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

BLIL

SIGNATURE

SM

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123/fieldsheets.xls

VASW (21)

KING COUNTY
SOLID WASTE DIVISION

VASHON QUARTERLY SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: Weir SW-W2
Date/Time: 5/21/08 1030
Weather: warm 50's, dry, overcast
Location: VA hillslopeKCSWD VASHON LF
ID SVW2080521 Q
Date 05/21/2008
Sampler SB

SAMPLING DATA

SAMPLE ID # SVW2080521 Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
RAD		GRAB	GALLON	CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	GLASS	NO	HCl	YES
TSS/TS	5/1	GRAB	1000	HDPE	NO	NONE	YES
METALS	21/	GRAB	500	HDPE	NO	HNO ₃	YES
PHYS 1	2008	GRAB	1000	HDPE	NO	NONE	YES
BOD	10:40	GRAB	1000	HDPE	NO	NONE	YES
CN		GRAB	250	HDPE	NO	NaOH	YES
TOC		GRAB	2.40	GLASS	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	STERILE	NO	NaThio	YES
P/HERB		GRAB	3@1000	AMBER	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

FIELD WATER QUALITY DATA					METER READING: 54.7	
INSTR. #	1562	414768 →	1562	4600	#1	
	SPEC COND	pH	REDOX	TEMPERATURE	DISSOLVED OXYGEN	TURBIDITY
SAMPLE	(umhos/cm)	VALUE	mV	(°C)	(mg/L)	NTU
1	851	8.46	-86	11.3	6.18	8.17
						TIME
						1035

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 730 AM3 VOA TRIP BLANKS INCLUDED? YES ☐ NO ☒ VTRP DATE:14 QC BOTTLES INCLUDED? YES ☐ NO ☒

CUSTODY RECORD:

PERSONNEL

SBILIP

SIGNATURE

SM

DATE/TIME

5/21/08

10:40

TOTAL NUMBER OF BOTTLES THIS SET 21

F:\BWS2_PROJECTS\TEMPLATES\SAMPLING RELATED FORMS\SamplingForm_VASW.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW2080715Q
Date 07/15/2008
Sampler SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W2**

Date/Time: 7/15/2008 1020

Weather: warm, 75°F, clear

Location Description: near property line
~30 ft east of SW-W4

SAMPLE ID # **SVW2080715 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	7/15	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	15/1	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:20	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray TOC	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
GRAB	774	8.31	-78.3	13.3	8.02	14.8
						1020

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings -57.1/-6

#2) Dissolved Oxygen Meter SN# 4600 101.7

TIME: 0810

#3) Turbidimeter # 1

standard used 5.36 reading 5.69

#4) Conductivity Meter SN# 1562 1413/1411

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW2081006Q
Date 10/06/2008
Sampler SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W2**

Date/Time: 10/06/2008 0950

Weather: cold, SDFs, overcast

Location Description: near property line
~30 ft east of SW-W4

SAMPLE ID # **SVW2081006 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	10/15	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	06/1	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:05	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
GRAB	771	8.3	-64.1	11.6	8.28	10.9
						0950

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings 4.01/7

#2) Dissolved Oxygen Meter SN# 4600 101.7

TIME: 0930

#3) Turbidimeter # 1

standard used 52.4 reading 54.6

#4) Conductivity Meter SN# 1562 1413/1420

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

DATE / TIME

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123/samplingFIELDSHEETS.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW2090106Q
Date 01/06/2009
Sampler SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W2**

Date/Time: 01 / 06 / 2009 1100

Weather: Rainy, overcast, 40's, windy

Location Description: near property line
~30 ft east of SW-W4

SAMPLE ID # **SVW2081006 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	01/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	06/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	11:15	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	846	8.16	-69.2	7.0	10.08	8.94	1105

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings -55.3/-7

#2) Dissolved Oxygen Meter SN# 4600 10.17

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir

SIGNATURE DATE/TIME

22

TOTAL NUMBER OF BOTTLES THIS SET

SW123/samplingFIELDSHEETS.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW2090326Q
Date 03/26/2009
Sampler SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W2**

Date/Time: 03 / 26 / 2009 0955

Weather: cool, overcast, 40's

Location Description: near property line
~30 ft east of SW-W4

SAMPLE ID # **SVW2090326 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	03/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	26/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:00	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	757	8.34	-74.0	5.7	10.62	10.1	1000

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings -55.7/-76

#2) Dissolved Oxygen Meter SN# 4600 10.17

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir

SIGNATURE DATE/TIME

22

TOTAL NUMBER OF BOTTLES THIS SET

SW123/samplingFIELDSHEETS.xls

12:00

VASW-2 (44)

VASHON-2 SURFACE WATER FIELD RECORD
used for Weirs SW-W1, SW-W2, and SW-W3

Station: SW-W4
Date/Time: 01 / 21 / 2010 0930
Weather: overcast, light rain
Location: 15 ft x 4 ft SW of debris area
near pump-out line, ~30 ft E of SW-W4

SAMPLEID# SVW2100121Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD		ICED YES/ NO
					FILTERED (YES/NO)	PRESERVATIVE	
TSS		GRAB	✓ 1000	WM HDPE	NO	NONE	YES
COD/ALK/TURS		GRAB	✓ 500	WM HDPE	NO	NONE	YES
TDS/TOTS	01/	GRAB	✓ 500	WM HDPE	NO	NONE	YES
ORHOP/NH ₄ /NO ₃ /NO ₂	21/	GRAB	✓ 60	WM HDPE	✓ YES	NONE	YES
TOTP	2010	GNAB	✓ 250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		GRAB	✓ 125	NM HDPE	NO	NONE	YES
CN	10:00	GRAB	✓ 500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	✓ 250	WM HDPE	NO	H ₂ O ₂	YES
BOD		GRAB	✓ 1000	WM HDPE	NO	NONE	YES
TOC		GRAB	✓ 2, 40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	✓ 500	AMBER GLASS	NO	H ₂ O ₂	YES
METALS, c		GRAB	✓ 500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	✓ 500	Acid Washed HDPE	✓ YES	NONE	YES
TC/FC		GRAB	✓ 500	STERILE	NO	NONE	YES
PEST/HERB		GRAB	✓ 3, 1000	AMBER	NO	NCNE	YES
VOA		GRAB	✓ 4, 40	GLASS	NO	HCl	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE ✓
 FILTER DISS. METALS & MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES ✓
 LABEL ONE OF THE METALS BOTTLES "FIELD FILTERED" AND THEN FILTER THAT ONE! ✓

INSTRUMENT NO.		1562	03140044	1562	00 D0 323	1	
	SPEC COND	PH	TEMPERATURE	DISSOLVED OXYGEN		TURBIDITY	
SAMPLE	lumbar/cm	VALUE	°C	(mg/l)		NTU	TIME
GRAB	728	7.64	8.5	10.5		12.6	1000

DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE IN CN bottle? YES ☒ NO ☒
 PUT TEST STRIP RESULTS ON COC: "test strip = no reaction" or "sulfide < 50 ppm" or: *forgot to write*
 If test strip darkens "test strip = reaction" write in column next to # of bottles *ans did email*

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒
3 VTRPs INCLUDED WITH THIS SET? YES ☒ NO ☐ VTRP1001 ZIR DATE: 01/19/10
BUBBLES? YES ☒ NO ☐ SIZES: 1 @ 1 mm

CUSTODY RECORD:

<u>PERSONNEL</u>	<u>SIGNATURE</u>	<u>DATE/TIME</u>
BILL R Thompson		01/21/10 10:30

TOTAL NUMBER OF BOTTLES THIS SET 22 *+3* ✓

ENTRANCE INDUCTION 28x40MCD VASICONE W HILLSLOPE W/SAMPLING (52m x 13) FIELD SHEETS 1-10

KCSWD VASHON LF

ID SVW2100121Q

Date 01/21/2010

Sampler SB/RT

KCSWD VASHON LF

ID VTRP100121R

Date 01/21/2010

Sampler SB

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LE

ID SVW2100419Q

Date 04/19/2010

D Sampler RT/8K/

VASW-2 (44)

VASHON-2 SURFACE WATER FIELD RECORD

Station: SW-W2
Date/Time: 4-19-70 10:15
Weather: 0.2 60°
Location: Weir 2, west hillslope

SAMPLE ID# SVW2100419

SAMPLE ID #		DATE		VOLUME		CONTAINER	FIELD FILTERED	ICED
SAMPLE	TIME	METHOD	(mL)	TYPE		(YES/NO)	PRESERVATIVE	NO
SS	19/	GRAB	✓ 1000	WM HDPE		NO	NONE	YES
COND/ALK/TURB	2010	GRAB	✓ 500	WM HDPE		NO	NONE	YES
TDS/TOTS	10:50	GRAB	✓ 500	WM HDPE		NO	NONE	YES
ORTHOP/NH ₃ /NO ₃ /NO ₂	a.m.	GRAB	✓ 60	WM HDPE		YES	NONE	YES
TOTP		GRAB	✓ 250	WM HDPE		NO	NONE	YES
CL/FL/SO ₄		GRAB	✓ 125	NM HDPE		NO	NONE	YES
CN		GRAB	✓ 500	WM AMBER HDPE		NO	NaOH	YES
TKN/COD		GRAB	✓ 250	WM HDPE		NO	H ₂ SO ₄	YES
BOD		GRAB	✓ 2000	WM HDPE		NO	NONE	YES
TOC		GRAB	✓ 2.40	AMBER GLASS		NO	H ₂ PO ₄	YES
TOX		GRAB	✓ 500	AMBER GLASS		NO	H ₂ SO ₄	YES
METALS, t		GRAB	✓ 500	Acid Washed HDPE		NO	NONE	YES
METALS, d		GRAB	✓ 500	Acid Washed HDPE		YES	NONE	YES
TC/PC		GRAB	✓ 500	STERILE		NO	NONE	YES
PEST/HERB		GRAB	✓ 3, 1000	AMBER		NO	NONE	YES
VOA		GRAB	✓ 4, 400	GLASS		NO	HCl	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE 1 ✓
✓ PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE
CORRECT BOTTLES.

1/ DON'T FORGET TO LABEL ONE OF THE METALS BOTTLES FIELD FILTERED - AND THEN FILTER THAT ONE I

INSTRUMENT NO.		1562 3140044		1		METER READING: 7.95	
SAMPLE	SPEC COND	PH	TEMPERATURE	DISSOLVED OXYGEN	TURBIDITY	TIME	
	(umhos/cm)	VALUE	(°C)	(mg/l)	RTU		
1	694	7.95	11.6	NM	7.95	10:48	

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒ X
REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ X NO ☐
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒ X
3 VTRPS INCLUDED WITH THIS SET? YES ☒ X NO ☒ X
BUBBLES? YES ☐ NO ☐ SIZES: _____
VTRP# 101119 DATE: _____
BUFFERS: (4, 7) 10

PERSONNEL RT, S.D.R.K SIGNATURE SD DATE/TIME 07/19/10
11:10

F:\314\S12_PROJECTS_20sep09\SWD_VASHON\12_W_HILLSLOPE\SAMPLING\OLD\144 VAS\W-2_firm\SWD\pn2010.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW2100816Q
Date 08/16/2010
Sampler RT/BK

VASW-2 SURFACE WATER FIELD SAMPLING DATA (used for Weirs SW-W1, SW-W2 and S)

Station: SW-W2
Date/Time: 8/16/10
Weather: Sunny
Location: Vashon Hillslope Weir 2

KCSWD VASHON LF
ID SVW2100816Q
Date 08/16/2010
Sampler RT/BK

SAMPLING DATA

SAMPLE ID # SVW2100816Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	8/16/10	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB	16/10	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₂ /NO ₃	12:03 a.m.	GRAB	60	WM HDPE	YES	NONE	YES
TOTP		GRAB	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
CN		GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
TC/FC		GRAB	500	STERILE	NO	NONE	YES
PEST/HERB		GRAB	3,1000	AMBER	NO	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE!
PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

DON'T FORGET TO LABEL ONE OF THE METALS BOTTLES "FIELD FILTERED" - AND THEN FILTER THAT ONE!

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO. 03140044 1562 1 TURB STD USED: 5.36
METER READING: 4.93

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Pl Water	<u>606</u>	<u>7.75</u>	<u>15.4</u>	<u>NM</u>	<u>0.17</u>	<u>12:03</u>
	<u>11</u>	<u>8.16</u>	<u>18.1</u>	<u>NM</u>	<u>1.17</u>	<u>12:15</u>

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒ (Dup also)
REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☐ NO ☐
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☐
3 VTRP's INCLUDED WITH THIS SET? YES ☒ NO ☐
BUBBLES? YES ☐ NO ☒ SIZES: VTRP100816R DATE: 8/16/10

CUSTODY RECORD:

KCSWD VASHON LF

PERSONNEL

ID VTRP100816R

SIGNATURE

DATE/TIME

Sampler SB

8/16/10
12:50

TOTAL NUMBER OF BOTTLES THIS SET 22

Field Sampling Data - VASW-2 (44) - Hillslope Weir 2

VASW (21)

KING COUNTY
SOLID WASTE DIVISION

DATE
8/16/10

VASW QUARTERLY SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: Weir SW-W2
Date/Time: 11-09-2010 11:58
Weather: Rain, 40°F
Location: West Hillslope - Vashon

KCSWD VASHON LF
ID SVW2101109Q
Date 11/09/2010
Sampler RT/SM

SAMPLING DATA

SAMPLE ID # SVW2101109Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
TSS	11/9/10	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB	11/9/10	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₂ /NO ₃	11:58 a.m.	GRAB	60	WM HDPE	YES	NONE	YES
TOTP		GRAB	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
CN		GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	Yes	NONE	YES
TC/FC		GRAB	500	STERILE	NO	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES
PEST/HERB		GRAB	3,1000	AMBER	NO	NONE	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE!
PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1 10 10 Tim's 4 TURB STD USED: 3.77
METER READING: 3.76

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1	<u>576</u>	<u>7.61</u>	<u>8.4</u>	<u>9.39</u>	<u>61.1</u>	<u>11:58</u>

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒
REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☐
3 VTRP's INCLUDED WITH THIS SET? YES ☐ NO ☒ VTRP: (107) 10 10/24/47 DATE: 11/09/10
VTRP BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS:
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒

CUSTODY RECORD:

PERSONNEL

Barbara Thompson

SIGNATURE

Barbara Thompson

DATE/TIME

11/09/10
12:10

TOTAL NUMBER OF BOTTLES THIS SET 22

Field Sampling Data - VASW (21) - Hillslope Weir 2

KING COUNTY
SOLID WASTE DIVISION

ENTERED
3/11/10

VASW (21)

VASHON QUARTERLY SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: Weir SW-WL
Date/Time: 11-09-2010 1158
Weather: Rain, 40°F
Location: West Hillslope-Vashon

KCSWD VASHON LF
ID SVW2101109Q
Date 11/09/2010
Sampler RT/MSM

SAMPLING DATA

SAMPLE ID # SVW2101109Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
TSS	11/9	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB	11/9	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOT	2010	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOPHOSPHATE	1158	GRAB	60	WM HDPE	YES	NONE	YES
TOTP	1158	GRAB	250	WM HDPE	NO	NONE	YES
CL/FI/SO ₄	1158	GRAB	125	WM HDPE	NO	NONE	YES
GN		GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, c		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	Yes	NONE	YES
TC/FC		GRAB	500	STERILE	NO	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES
PST/HERB		GRAB	3, 1000	AMBER	NO	NONE	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE!
PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. #	1	10	10	Time	4
SAMPLE	COND (µmhos/cm)	PH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
1	570	7.61	8.4	9.39	61.1
					TIME 11:58

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒
REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (10) 10 10/24/47
3 VOA TRIP BLANKS INCLUDED? YES ☐ NO ☒ VTRP
VTRP BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS:
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒

CUSTODY RECORD:

PERSONNEL Barbara Thompson SIGNATURE [Signature] DATE/TIME 11/09/10 12:10

TOTAL NUMBER OF BOTTLES THIS SET 22

VASW (21)

KING COUNTY
SOLID WASTE DIVISION

VASHON QUARTERLY SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: Weir SW-3
Date/Time: 03-28-07
Weather: Clear, Sunny, mid-80's°F
Location: Hillslope

KCSW VASHON LF
ID SVW3070328Q
DATE 03/28/07
TIME 1230
SAMPLER SB

SAMPLING DATA

SAMPLE ID # SVW3070328Q

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
RAD		GRAB	GALLON	CUBE	NO	HNO ₃	YES
VOA		GRAB	6,40	GLASS	NO	HCl	YES
TSS/TS	03/28	GRAB	1000	HDPE	NO	NONE	YES
METALS	28/	GRAB	500	HDPE	NO	HNO ₃	YES
PHYS 1	2007	GRAB	1000	HDPE	NO	NONE	YES
BOD	12:30	GRAB	1000	HDPE	NO	NONE	YES
CN		GRAB	250	HDPE	NO	NaOH	YES
TOC		GRAB	2,40	GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	STERILE	NO	NaThio	YES
P/HERB		GRAB	3@1000	AMBER	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

GW INSTR. #	1562	14768	1562	460	1
SAMPLE	SPEC COND (µmhos/cm)	PH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)
1	288	8.12	-62.4	8.7	16
					TURBIDITY NTU
					TIME 12:45

NOTES:
INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 9am-10am
3 VOA TRIP BLANKS INCLUDED? YES ☐ NO ☒ VTRP
14 QC BOTTLES INCLUDED? YES ☐ NO ☒

CUSTODY RECORD:

PERSONNEL SEVIN BILIR SIGNATURE [Signature] DATE/TIME 03/28/07 16:14

TOTAL NUMBER OF BOTTLES THIS SET 21

COPY

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KC VASHON LF
ID SVW3070509Q
DATE 05/09/07
TIME 1000
SAMPLER SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-1, SW-2, and SW-3

FIELD SAMPLING DATA

Station: **SW-3**

Date/Time: **05/09/07 0945**

Weather: **clear, cool**

Location Description: **in stream, N of SW-2**

SAMPLE ID # **SVW307 05 09 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	05/09/07	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	09/1	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:00	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	326	8.08	-61.0	10.5	12.86	19.4	1015

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4.7 readings 4.7.02

#2) Dissolved Oxygen Meter SN# 4600

#3) Turbidimeter # 1

standard used 52.4 reading 53.4

#4) Conductivity Meter SN# 1562

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

Sevin Bilir

SIGNATURE

SBilir

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123as of 08may07/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVW30708 14 Q
DATE 08/14/2007
TIME 0900
SAMPLER SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W3**

Date/Time: **08/14/2007**

Weather: **clear cool**

Location Description: **KCSW VASHON LF**

ID VTRP070814T

DATE 08/14/07

TIME 0900

Sampler SB

SAMPLE ID # **SVW30708 14 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	08/14/2007	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	14/1	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	08:00	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	345	8.07	-6.0	12.2	10.02	13.5	0900

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4.01/7.01

#2) Dissolved Oxygen Meter SN# 4600

#3) Turbidimeter # 1

standard used 52.4 reading 53.4

#4) Conductivity Meter SN# 1562 1413/1412

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP070814T VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SBilir

SIGNATURE

SBilir

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W3**

Date/Time: **10/30/2007**

Weather: **cool, overcast**

Location Description: **in stream, N of SW-W2**

SAMPLE ID # **SVW3071030 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	10/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	30/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:15	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray TOC	NO	H ₃ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	YES	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4/7.59

#2) Dissolved Oxygen Meter SN# 4600

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 071030R VTRP BUBBLES? YES ☐ NO ☒

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

22 13VTRP

SW123/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W2 and SW-W3 (DECEMBER sampling)

KCSW VASHON LF
ID SVW3071218-
DATE 12/18/2007

Sampler SB

FIELD SAMPLING DATA

Station: **SW-W3**

Date/Time: **12/18/2007 1000**

Weather: **Raining, 50°s**

Location Description: **in stream, N of SW-W2 ~100 ft S of SW-W4**

SAMPLE ID # **SVW3071218**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	GLASS	NO	HCl	YES
TSS/TS	12/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	18/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:00	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4.01/7

#2) Dissolved Oxygen Meter SN# 4600 101.7

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

11

DEC SW23/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW3080715Q
Date 07/15/2008
Sampler SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W3**

Date/Time: 7/15/2008 1000

Weather: warm, clear, ~75°F

Location Description: in stream,
N of SW-W2

SAMPLE ID # **SVW3080715 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	7/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	15/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:05	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray TOC	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	374	7.73	-54.3	12.6	7.99	25.2	1000

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings 5.71/-6

#2) Dissolved Oxygen Meter SN# 4600 101.7

TIME: 0810

#3) Turbidity Meter # 1

standard used 5.36 reading 5.69

#4) Conductivity Meter SN# 1562 1413/1411

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES:

DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S. Blair

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

22

SW123/fieldsheets.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID VTRP081006R
Date 10/06/2008
Sampler SB

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W3**

Date/Time: 10/06/2008

Weather: cold, 50°F, overcast

Location Description:

KCSWD VASHON LF
ID SVW3081006Q
Date 10/06/2008
Sampler SB

SAMPLE ID # **SVW3081006 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	10/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	06/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:30	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	384	7.36	-30.6	11.6	8.1	6.8	1020

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044

standards used 4 & 7 readings 4.01/7

#2) Dissolved Oxygen Meter SN# 4600 101.7

#3) Turbidity Meter # 1

standard used 52.4 reading 54.6

#4) Conductivity Meter SN# 1562 1413/1420

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 081006R VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: N/A

DATE: 10/3/08

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Blair

SIGNATURE

[Signature]

DATE / TIME

10/06/08 1030

TOTAL NUMBER OF BOTTLES THIS SET

22

+3 VTRP

SW123/samplingFIELDSHEETS.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W3**

Date/Time: **01 / 06 / 2009 1015**

Weather: **Rain, overcast, 40's, Windy**

SAMPLE ID # **SVW30810 06 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	01/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	06/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:30	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	

GRAB **431** **7.17** **-18.0** **7.2** **10.3** **5.8** **1020**

NOTES: INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044 TIME: **1015**

standards used 4 & 7 readings **-55.3/-7** standard used 52.4 reading **55.1**

#2) Dissolved Oxygen Meter SN# 4600 **101.7** #4) Conductivity Meter SN# 1562 1413/ **1458**

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP **090106R** VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: DATE: **12/31/08**

QC BOTTLES TURNED IN? YES ☒ NO ☐

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL **S. Bilir** SIGNATURE **[Signature]** DATE/ TIME **1/6/9 1015**

TOTAL NUMBER OF BOTTLES THIS SET **22** **+3 VTRP**

SW123/samplingFIELDSHEETS.xls

VASW-2 (44)

KING COUNTY
SOLID WASTE DIVISION

VASHON-2 SURFACE WATER SAMPLING FIELD RECORD

used for first weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: **SW-W3**

Date/Time: **03 / 26 / 2009 1015**

Weather: **cool, overcast 40's**

SAMPLE ID # **SVW30903 26 Q**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES.	ICED YES/NO
RAD		GRAB	GALLON	plastic CUBE	NO	HNO ₃	YES
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	03/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	26/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009	GRAB	1000	blue HDPE	NO	NONE	YES
BOD		GRAB	1000	blue HDPE	NO	NONE	YES
CN	10:15	GRAB	250	green HDPE	NO	NaOH	YES
TOC		GRAB	2.40	gray GLASS	NO	H ₂ PO ₄	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES
TOX		GRAB	500	yellow AMBER	NO	H ₂ SO ₄	YES
TC/FC		GRAB	100	white STERILE	NO	NaThio	YES
P/HERB		GRAB	3,1000	blue AMBER	NO	NONE	YES
METALS, T		GRAB	500	red HDPE	NO	HNO ₃	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	TIME
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	

GRAB **389** **7.75** **-44.7** **6.6** **11.43** **6.16** **1015**

NOTES: INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044 TIME: **1000**

standards used 4 & 7 readings **-55.7/-6** standard used 52.4 reading **57**

#2) Dissolved Oxygen Meter SN# 4600 **101.7** #4) Conductivity Meter SN# 1562 1413/ **1440**

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP **090326R** VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: **3mm** DATE: **3/20/09**

QC BOTTLES TURNED IN? YES ☒ NO ☐

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL **S. Bilir** SIGNATURE **[Signature]** DATE/ TIME **3/25 1030**

TOTAL NUMBER OF BOTTLES THIS SET **22** **+3 VTRP**

SW123/samplingFIELDSHEETS.xls

KING COUNTY
SOLID WASTE DIVISION

VASW-2 (44)

VASHON-2 SURFACE WATER FIELD RECORD

used for Weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: SW-W3
Date/Time: 07 / 13 / 2009 1030
Weather: overcast, ~60°F
Location: in stream, north of SW-W2

SAMPLE ID #	DATE	VOLUME	CONTAINER	FILTERED	PRESERVATIVE	ICED
TYPE	TIME	(mL)	TYPE	(YES/NO)		YES/NO
TSS		1000	WM HDPE	NO	NONE	YES
COND/pH/ALK/TURB		500	WM HDPE	NO	NONE	YES
TDS/TOTS	07/	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₃ /NO ₂	13/	60	WM HDPE	YES	NONE	YES
TOTP	2009	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		125	WM HDPE	NO	NONE	YES
CN	10:45	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		250	WM HDPE	NO	H ₂ SO ₄	YES
WDO		300	GLASS	NO	MnSO ₄ / AIA	NO
BOD		2000	WM HDPE	NO	NONE	YES
TCC		2,40	AMBER GLASS	NO	H ₃ PO ₄	YES
TOX		500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		500	Acid Washed HDPE	NO	NONE	YES
METALS, d		500	Acid Washed HDPE	YES	NONE	YES
TC/FC		500	STERILE	NO	NONE	YES
PEST/HERB		3, 1000	AMBER	NO	NONE	YES
VOA		4,40	GLASS	NO	HCl	YES

FILTER ORTHOP SAMPLE USING METALS FILTER ✓
Preserve WDO w/ PILLOW POUCHES & Place in insulated covers ✓
LABEL & FILTER ONE OF THE METALS BOTTLES "FIELD FILTERED" ✓

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	1562	03140044	03140044	3140044	4600	TURBIDITY	TIME
SAMPLE	COND	pH	REDOX	TEMPERATURE	DISSOLVED OXYGEN	NTU	
COND	484	8.01	-6.04	13.5	7.65	9.54	1035
GRAB							

NOTES:
DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE IN CN bottle? YES ☐ NO ☒
PUT TEST STRIP RESULTS ON COC "test strip = no reaction" or "sulfide < 50 ppm"...or...
If test strip darkens "test strip=reaction", write in column next to # of bottles

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7) 10
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒
3 VTRPs INCLUDED WITH THIS SET? YES ☐ NO ☒ VTRP0907 DATE: 07/13/09
BUBBLES? YES ☐ NO ☒ SIZES: N/A

CUSTODY RECORD:
PERSONNEL: Sevin Bilir
SIGNATURE: [Signature]
DATE/TIME: 07/13/09 11:00
TOTAL NUMBER OF BOTTLES THIS SET: 23

KING COUNTY
SOLID WASTE DIVISION

VASW-2 (44)

VASHON-2 SURFACE WATER FIELD RECORD

used for Weirs SW-W1, SW-W2, and SW-W3

FIELD SAMPLING DATA

Station: SW-W3
Date/Time: 10 / 20 / 2009 1049
Weather: overcast, 50°F
Location: in stream, north of SW-W2

SAMPLE ID #	DATE	VOLUME	CONTAINER	FILTERED	PRESERVATIVE	ICED
TYPE	TIME	(mL)	TYPE	(YES/NO)		YES/NO
TSS		1000	WM HDPE	NO	NONE	YES
COND/pH/ALK/TURB		500	WM HDPE	NO	NONE	YES
TDS/TOTS	10/	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₃ /NO ₂	20/	60	WM HDPE	YES	NONE	YES
TOTP	2009	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		125	WM HDPE	NO	NONE	YES
CN	(Q) 11:10	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD	(D) 11:20	250	WM HDPE	NO	H ₂ SO ₄	YES
WDO		300	GLASS	NO	MnSO ₄ / AIA	NO
BOD		2000	WM HDPE	NO	NONE	YES
TCC		2,40	AMBER GLASS	NO	H ₃ PO ₄	YES
TOX		500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		500	Acid Washed HDPE	NO	NONE	YES
METALS, d		500	Acid Washed HDPE	YES	NONE	YES
TC/FC		500	STERILE	NO	NONE	YES
PEST/HERB		3, 1000	AMBER	NO	NONE	YES
VOA		4,40	GLASS	NO	HCl	YES

FILTER ORTHOP SAMPLE USING METALS FILTER
Preserve WDO w/ PILLOW POUCHES & Place in insulated covers
LABEL & FILTER ONE OF THE METALS BOTTLES "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	1562	03140044	03140044	3140044	4600	TURBIDITY	TIME
SAMPLE	COND	pH	REDOX	TEMPERATURE	DISSOLVED OXYGEN	NTU	
COND	389	7.04	-6.8	10.8	8.35	7.62	1115
GRAB							

NOTES:
DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE IN CN bottle? YES ☐ NO ☒
PUT TEST STRIP RESULTS ON COC "test strip = no reaction" or "sulfide < 50 ppm"...or...
If test strip darkens "test strip=reaction", write in column next to # of bottles

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7) 10
4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒
3 VTRPs INCLUDED WITH THIS SET? YES ☐ NO ☒ VTRP0910 DATE: 10/20/09
BUBBLES? YES ☐ NO ☒ SIZES: N/A

CUSTODY RECORD:
PERSONNEL: Sevin Bilir
SIGNATURE: [Signature]
DATE/TIME: 10/20/09 11:40
TOTAL NUMBER OF BOTTLES THIS SET: 23 + 23

KING COUNTY
SOLID WASTE DIVISION

VASW-2 (44)

KCSWD VASHON LF
ID SVW3100419Q

VASHON-2 SURFACE WATER FIELD RECORD Date 04/19/2010

KCSWD VASHON LF
ID SVW3100121Q
Date 01/21/2010
Sampler SB/RT

FIELD SAMPLING DATA

Station:

Date/Time: 4-19-70 11:30
Weather: 0.0 60's
Location: Weir 3, West hillslope

SAMPLING DATA

SAMPLE ID # SVW3100419 A

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
TSS	04/11/90	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB		GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₄ /NO ₃ /NO ₂	11/1/90	GRAB	60	WM HDPE	YES	NONE	YES
TOTP	a.m.	GRAB	250	WM HDPE	NO	NONE	YES
CL/FI/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
CN		GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKM/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2, 40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
TC/FC		GRAB	500	STERILE	NO	NONE	YES
PEST/HERB		GRAB	3, 1000	AMBER	NO	NONE	YES
VOA		GRAB	4, 40	GLASS	NO	IC1	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE 1 ✓
PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE ✓
CORRECT BOTTLES.

DON'T FORGET TO LABEL ONE OF THE METALS BOTTLES 'FIELD FILTERED' - AND THEN FILTER THAT ONE! ✓

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO. 1562 3140044 METER READING: 4.91

SAMPLE	SPFC	pH	TEMPERATURE	DISSOLVED	TURBIDITY	TIME
	COND			OXYGEN		
	(umhos/cm)	VALUE	(°C)	(mg/L)	NTU	
1	312	10.71	11.0	Nm	9.41	11:35

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒
 REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!
 INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
 4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒
 3 VTRPS INCLUDED WITH THIS SET ? YES ☐ NO ☒ VTRP09 DATE:
 BUBBLES? YES ☐ NO ☐ SIZES:

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET 22 ✓

DATE/TIME
4/19/10
12:05

KING COUNTY
SOLID WASTE DIVISION

VASW-2 (44)

Place label here

VASHON-2 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Weirs SW-W1, SW-W2 and SW-W3)

Station: SW-W3
Date/Time: 8/16/10 11:00
Weather: Sunny
Location: Vashon Hillslope Weir 3
KCSWD VASHON LF
ID SVW3100816Q
Date 08/16/2010
Sampler RT/BK

SAMPLING DATA

SAMPLE ID #	DATE	METHOD	VOLUME	CONTAINER	FIELD FILTERED	PRESERVATIVE	ICED
TYPE	TIME		LM/L	TYPE	(YES, NO)		YES
TSS	8/1	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB	10/1	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₂ /NO ₃	11:45	GRAB	60	WM HDPE	YES	NONE	YES
TOTP	a.m.	GRAB	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
CN		GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
TC/FC		GRAB	500	STERILE	NO	NONE	YES
PEST/HERB		GRAB	3, 1000	AMBER	NO	NONE	YES
VOA		GRAB	4, 40	GLASS	NO	HCl	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE !

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

DON'T FORGET TO LABEL ONE OF THE METALS BOTTLES "FIELD FILTERED" - AND THEN FILTER THAT ONE !

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO. 0340049 1562 1
SPEC COND 228 pH 6.75 TEMPERATURE 14.7 DISSOLVED OXYGEN NM TURBIDITY 9.14 TIME 11:20
TURBIDITY USED 5.36
METER READING 4.98

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒

REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4 7 10 11:19

4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒

3 VTRPs INCLUDED WITH THIS SET? YES ☐ NO ☒ DATE: 8/16/10

BUBBLES? YES ☐ NO ☒ SIZES:

CUSTODY RECORD:

PERSONNEL Rebecca Thompson SIGNATURE Rebecca Thompson DATE/TIME 8/16/10 11:20

TOTAL NUMBER OF BOTTLES THIS SET 22

VASW (21)

KING COUNTY
SOLID WASTE DIVISION

ENTERED
8/16/10

VASHON QUARTERLY SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA

Station: Weir SW-W3
Date/Time: 11/9/10 10:47
Weather: rain ~40s
Location: Vashon Hillslope

KCSWD VASHON LF
ID SVW3101109Q
Date 11/09/2010
Sampler RT/SM

SAMPLING DATA

SAMPLE ID #	DATE	METHOD	VOLUME	CONTAINER	FIELD FILTERED	PRESERVATIVE	ICED
TYPE	TIME		LM/L	TYPE	(YES, NO)		YES
TSS	11/9	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB	9/1	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
ORTHOP/NH ₃ /NO ₂ /NO ₃	10:47	GRAB	60	WM HDPE	YES	NONE	YES
TOTP	a.m.	GRAB	250	WM HDPE	NO	NONE	YES
CL/FL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
CN		GRAB	500	WM AMBER HDPE	NO	NaOH	YES
TKN/COD		GRAB	250	WM HDPE	NO	H ₂ SO ₄	YES
BOD		GRAB	2000	WM HDPE	NO	NONE	YES
TOC		GRAB	2,40	AMBER GLASS	NO	H ₂ PO ₄	YES
TOX		GRAB	500	AMBER GLASS	NO	H ₂ SO ₄	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	Yes	NONE	YES
TC/FC		GRAB	500	STERILE	NO	NONE	YES
VOA		GRAB	4, 40	GLASS	NO	HCl	YES
PEST/HERB		GRAB	3, 1000	AMBER	NO	NONE	YES

REMEMBER TO FILTER THE ORTHOPHOSPHATE SAMPLE !

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES.

FIELD WATER QUALITY PARAMETERS

INSTR. # 1 10 10 Time
SPEC COND 310 pH 7.06 TEMPERATURE 8.5 DISSOLVED OXYGEN 9.39 TURBIDITY 33.7 TIME 10:47
TURBIDITY USED 3.77
METER READING 3.76

NOTES: DID THE LEAD ACETATE TEST STRIP INDICATE THE PRESENCE OF SULFIDE? YES ☐ NO ☒

REMEMBER TO PUT SULFIDE CHECK READINGS FOR CYANIDE ON CHAIN OF CUSTODY!

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4 7 10 10:47

3 VOA TRIP BLANKS INCLUDED? YES ☐ NO ☒ VTRP DATE: 11/9/10

VTRP BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS:

4 QC BOTTLES (4 P/HERB) INCLUDED? YES ☐ NO ☒

CUSTODY RECORD:

PERSONNEL Rebecca Thompson SIGNATURE Rebecca Thompson DATE/TIME 11/9/10 11:55

TOTAL NUMBER OF BOTTLES THIS SET 22

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISIONKC VASHON LF
ID SV14E070509-
DATE 05/09/07
TIME 10:15
SAMPLER SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

one-time special event for flowing surface water

FIELD SAMPLING DATA

Station: 14E
Date/Time: 05/09/07 1000
Weather: cool, clearLocation Description: flowing stream
N of SW-3

SAMPLE ID # SV14E070509

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA	05/09/07	GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	09/1	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	09/1	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN	10:15	GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:15	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	417	8.11	-62.5	10.5	10.6	32.8	1030

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0730

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4.7 readings 4.7, 0.2

standard used 52.4 reading 52.4

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES:

DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN FROM STREAM

CUSTODY RECORD:

PERSONNEL

SIGNATURE

Sewin Bilir

TOTAL NUMBER OF BOTTLES THIS SET

11

1time14E surface/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISIONKC VASHON LF
ID SVW4070510-
DATE 05/10/07
TIME 1335
SAMPLER SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-4, SW-5, SW-6 and SW-7

FIELD SAMPLING DATA

Station: SW-4
Date/Time: 05/10/07 1320
Weather: clear, warmLocation Description: small weir
~30 ft W of SW02

SAMPLE ID # SVW4070510

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA	05/10/07	GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	10/1	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	10/1	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN	13:35	GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	13:35	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	239	7.85	-48.5	13.5	8.21	6.32	1350

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0715

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 7.10, 0.1 readings 7.9, 5.7

standard used 5.36 reading 5.62

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES:

DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

Sewin Bilir

TOTAL NUMBER OF BOTTLES THIS SET

11

SW4567 as of 08may07/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W4

Date/Time: 08/14/2007

Weather: clear cool

Location Description: small weir

~30 ft W of SW-W2

SAMPLE ID # SVW40708 14

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	08/14/2007	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	14/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:45	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4 SPECIFIC COND (umhos/cm)	1 pH VALUE	1 REDOX mV	1 TEMP (°C)	2 DISSOLVED OXYGEN (mg/L)	3 TURBIDITY NTU	TIME
	2.31	7.71	-40.6	14	7.53	43.3	1110

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0810

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4.01/7.01

#2) Dissolved Oxygen Meter SN# 4600

#3) Turbidimeter # 1

standard used 52.4 readings 53.4

#4) Conductivity Meter SN# 1562 1413/1412

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 0710315 VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☒ NO ☐

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SBiller

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W4

Date/Time: 10/31/2007

Weather: cool, overcast

Location Description: small weir

~30 ft W of SW-W2

SAMPLE ID # SVW40710 31

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	10/31/2007	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	31/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	12:00	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4 SPECIFIC COND (umhos/cm)	1 pH VALUE	1 REDOX mV	1 TEMP (°C)	2 DISSOLVED OXYGEN (mg/L)	3 TURBIDITY NTU	TIME
	2.12	7.78	-43.3	8.6	6.78	8.63	1145

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0900

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4/7.13

#2) Dissolved Oxygen Meter SN# 4600

#3) Turbidimeter # 1

standard used 52.4 reading 56.8

#4) Conductivity Meter SN# 1562 1413/1412

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 0710315 VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 10/29/07

QC BOTTLES TURNED IN? YES ☒ NO ☐

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11

+3 VTRP

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISIONKCSW VASHON LF
ID SVW4071218-
DATE 12/18/2007

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W4

Date/Time: 12 / 18 / 2007 1030

Weather: Raining, 50°s

Location Description: small weir

~30 ft W of SW-W2

SAMPLE ID # SVW40712 18 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	12/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	18 /	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	203	8.08	-61.8	6.5	8.11	5.11	1025

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0930

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 4 & 7 readings 4.01/7

#3) Turbidimeter # 1

standard used 52.4 reading 54.8

#2) Dissolved Oxygen Meter SN# 4600

101.7

#4) Conductivity Meter SN# 1562 1413/1407

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SPBHR

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISIONKCSW VASHON LF
ID SVW40803 12 -

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

Date 03/12/2008

Sampler SB

FIELD SAMPLING DATA

Station: SW-W4

Date/Time: 3/12/2008 1020

Weather: Cool, overcast

Location Description: small weir

~30 ft W of SW-W2

SAMPLE ID # SVW40803 12 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	3/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	12 /	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:30	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	223	8.05	-60.1	6.7	6.94	9.54	1025

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0830

#1) pH meter (pH, Redox, Temp) SN# 3140044

standards used 4 & 7 readings N/A

#3) Turbidimeter # 1

standard used 52.4 reading 56.2

#2) Dissolved Oxygen Meter SN# 4600 101.7

#4) Conductivity Meter SN# 1562 1413/1408

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

BLIK

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

NO SAMPLE

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: **SW-W4**

Date/Time: **7/15/2008 1050**

Weather: **clear, warm, 75°F**

Location Description: **small weir**

~30 ft W of SW-W2

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (ml)	CONTAINER TYPE	FIELD USE	CEC YES/NO
VOA		GRAB	6.40	green GLASS	NO	YES
TSS/TS	7/15	GRAB	10.0	blue HDPE	NO	YES
METALS		GRAB	500	red HDPE	YES	YES
PHYS	2008	GRAB	1000	blue HDPE	NO	YES
COD/PTIK		GRAB	500	yellow HDPE	NO	YES
DO		GRAB	300	GLASS	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
grab	252	7.82	-50.5	14.2	7.57	5.25

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: **0810**

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings **57.1/-6**

standard used 5.36 reading **5.69**

#2) Dissolved Oxygen Meter SN# 4600 **10.7**

#4) Conductivity Meter SN# 1562 1413/1411

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: **N/A**

DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

B

TOTAL NUMBER OF BOTTLES THIS SET

1

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: **SW-W4**

Date/Time: **10/06/2008 1032**

Weather: **Cold, S.O.P's, overcast**

Location Description: **small weir**

~30 ft W of SW-W2

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (ml)	CONTAINER TYPE	FIELD USE	CEC YES/NO
VOA		GRAB	6.40	green GLASS	NO	YES
TSS/TS	10/6	GRAB	10.0	blue HDPE	NO	YES
METALS		GRAB	500	red HDPE	YES	YES
PHYS	2008	GRAB	1000	blue HDPE	NO	YES
COD/PTIK		GRAB	500	yellow HDPE	NO	YES
DO		GRAB	300	GLASS/PLASTIC	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
GRAB	274	8.25	-61.1	11.8	6.8	14.9

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: **0930**

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings **40.7**

standard used 52.4 reading **54.6**

#2) Dissolved Oxygen Meter SN# 4600 **10.7**

#4) Conductivity Meter SN# 1562 1413/1420

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES:

DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

to

DATE / TIME

10/06/08 1032

TOTAL NUMBER OF BOTTLES THIS SET

1

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W4

Date/Time: 01 / 06 / 2009

Weather: Rain, overcast, windy, 40's

Location Description: small weir

~30 ft W of SW-W2

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (ml)	CONTAINER TYPE	FIELD USE	RED	CEC
VOA		GRAB	640	green GLASS	NO	HE	YES
TSS/TS		GRAB	1000	blue HDPE	NO	NONE	YES
METALS		GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS		GRAB	1000	blue HDPE	NO	NONE	YES
COD/DO		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	236	8.25	-73.2	6.5	8.78	11.6	1140

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1015

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings -55.3/-7

standard used 52.4 reading 55.1

#2) Dissolved Oxygen Meter SN# 4600 101.7

#4) Conductivity Meter SN# 1562 1413/1458

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Blair

SIGNATURE

DATE / TIME

TOTAL NUMBER OF BOTTLES THIS SET

N/A

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W4

Date/Time: 03 / 23 / 2009 1115

Weather: Cloud, overcast

Location Description: small weir

~30 ft W of SW-W2

SAMPLE ID

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (ml)	CONTAINER TYPE	FIELD USE	RED	CEC
VOA		GRAB	640	green GLASS	NO	HE	YES
TSS/TS		GRAB	1000	blue HDPE	NO	NONE	YES
METALS		GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS		GRAB	1000	blue HDPE	NO	NONE	YES
COD/DO		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	194.7	6.96	-6.7	7.3	10.35	2.44	1115

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1000

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings -55.9/-7

standard used 52.4 reading 55.8

#2) Dissolved Oxygen Meter SN# 4600 101.7

#4) Conductivity Meter SN# 1562 1413/1415

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Blair

SIGNATURE

DATE / TIME

TOTAL NUMBER OF BOTTLES THIS SET

N/A

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

Place label here

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W4 and SW-W7

FIELD SAMPLING DATA

Station: SW-W4
Date/Time: 01/22/2010 1010
Weather: partly cloudy
Location: ~30 ft W of SW-W2

COPY

SAMPLING DATA

SAMPLE ID	DATE	TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	WASHED HDPE	WASHED GLASS	WASHED METAL	WASHED PLASTIC	WASHED WOOD	WASHED OTHER	WASHED TOTAL	WASHED COMMENTS
1562	01/22/2010	1010	GRAB	1000	WM HDPE	YES	NO	NO	NO	NO	NO	NO	
No sample collected													

DISSEMINATE AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES

FIELD WATER QUALITY PARAMETERS

TURB STD USED: 5.36
METER READING: 5.93

INSTRUMENT NO. 1562 03140044 1562 0000323 1

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	188.7	7.10	7.5	12.1	9.68	1010

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

WASHED HDPE YES ☒ NO ☐ WASHED GLASS YES ☐ NO ☐ WASHED METAL YES ☐ NO ☐ WASHED PLASTIC YES ☐ NO ☐ WASHED WOOD YES ☐ NO ☐ WASHED OTHER YES ☐ NO ☐ WASHED TOTAL YES ☐ NO ☐ WASHED COMMENTS

No sample collected

PERSONNEL
Sevin Bilir

SIGNATURE
SB

DATE/TIME
01/22/10
10:30

TOTAL NUMBER OF BOTTLES THIS SET

W/A

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

Place label here

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W4 and SW-W7

FIELD SAMPLING DATA

Station: SW-W4
Date/Time: 04/19/2010 1115
Weather: overcast 60°S
Location: ~30 ft W of SW-W2

COPY

SAMPLING DATA

SAMPLE ID	DATE	TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	WASHED HDPE	WASHED GLASS	WASHED METAL	WASHED PLASTIC	WASHED WOOD	WASHED OTHER	WASHED TOTAL	WASHED COMMENTS
1562	04/19/2010	1115	GRAB	1000	WM HDPE	YES	NO	NO	NO	NO	NO	NO	
No sample collected													

DISSEMINATE AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES

FIELD WATER QUALITY PARAMETERS

TURB STD USED: 5.36
METER READING: 4.91

INSTRUMENT NO. 1562 03140044 1562 0000323 1

SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	22.4	7.76	12.1	NM	7.82	1116

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

WASHED HDPE YES ☒ NO ☐ WASHED GLASS YES ☐ NO ☐ WASHED METAL YES ☐ NO ☐ WASHED PLASTIC YES ☐ NO ☐ WASHED WOOD YES ☐ NO ☐ WASHED OTHER YES ☐ NO ☐ WASHED TOTAL YES ☐ NO ☐ WASHED COMMENTS

No sample collected

PERSONNEL
Sevin Bilir

SIGNATURE
SB

DATE/TIME
04/19/10
11:20

TOTAL NUMBER OF BOTTLES THIS SET

XO

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD
FIELD SAMPLING DATA (used for Weirs SW-W4 and SW-W7)

Station: SW-W4
Date/Time: 08/11/2010 1300
Weather: 70's, Clear
Location: -30 ft W of SW-W2

SAMPLING DATA

SAMPLE ID#	DATE	METHOD	VOLUME	CONTAINER	FIELD	LAB	TEST	RESULT	UNIT
TSS		GRAB	100	HDPE	NO	NO	YES		
COND/ALK/TURB		GRAB	100	HDPE	NO	NO	YES		
TDS/TOTS	2010				NO	NO	YES		
NH/NO					NO	NO	YES		
CI/O					NO	NO	YES		
MS					NO	NO	YES		
MA					NO	NO	YES		
VA		GRAB	4.40	GLASS	NO	HCL	YES		

REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES!

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	03140044	03140044	SWD	1	TURBIDITY	TIME
SAMPLE	COND	PH	TEMPERATURE	DISSOLVED	OXYGEN	NTU	TIME
1	265	7.16	14.5	NM		17.5	1305

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
3 VTRPs TURNED IN? YES ☐ NO ☐ VTRP1008 DATE: 8/11/10
BUBBLES? YES ☐ NO ☐ BUBBLE AMOUNTS: 1 in day
NO OF BOTTLES: 1

CUSTODY RECORD:

PERSONNEL: SBILIR SIGNATURE: [Signature] DATE/TIME: 8/11/10 13:10

TOTAL NUMBER OF BOTTLES THIS SET: 1

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD
FIELD SAMPLING DATA (used for Weirs SW-W4 and SW-W7)

Station: SW-W4
Date/Time: 11/01/2010 1100
Weather: RAIN, 50's F, WINDY
Location: -30 ft W of SW-W2

SAMPLING DATA

SAMPLE ID#	DATE	METHOD	VOLUME	CONTAINER	FIELD	LAB	TEST	RESULT	UNIT
TSS		GRAB	100	HDPE	NO	NO	YES		
COND/ALK/TURB		GRAB	100	HDPE	NO	NO	YES		
TDS/TOTS	2010				NO	NO	YES		
NH/NO					NO	NO	YES		
CI/O					NO	NO	YES		
MS					NO	NO	YES		
MA					NO	NO	YES		
VA		GRAB	4.40	GLASS	NO	HCL	YES		

REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES!

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	03140044	03140044	SWD	1	TURBIDITY	TIME
SAMPLE	COND	PH	TEMPERATURE	DISSOLVED	OXYGEN	NTU	TIME
1	144.3	7.1	10.7	6.22		61.6	1102

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
3 VTRPs TURNED IN? YES ☐ NO ☐ VTRP1008 DATE: 11/01/10
BUBBLES? YES ☐ NO ☐ BUBBLE AMOUNTS: 1 in day
NO OF BOTTLES: 1

CUSTODY RECORD:

PERSONNEL: SBILIR SIGNATURE: [Signature] DATE/TIME: 11/01/2010 11:10

TOTAL NUMBER OF BOTTLES THIS SET: 1

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KC VASHON LF
ID SVW5070510-
DATE 05/10/07
TIME 1015
SAMPLER SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-4, SW-5, SW-6 and SW-7

FIELD SAMPLING DATA

Station: SW-5
Date/Time: 05/10/07 1015
Weather: clear, warm

Location Description: in stream
~100 ft S of SW-4

SAMPLE ID # SVW507 05.10

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA	05/10/07	GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	05/10/07	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	10/1	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN	10:15	GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:15	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	238	8.06	-56.3	9.9	9.47	6.42	1040

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 7.10.0 readings 7.957

#2) Dissolved Oxygen Meter SN# 4600

#3) Turbidimeter # 1

standard used 5.36 reading 5.62

#4) Conductivity Meter SN# 1562

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

Savin Bilir

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

11

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVW5070814-
DATE 08/14/2007
TIME 0930
Sampler SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W5
Date/Time: 08/14/2007
Weather: clear cool

Location Description: in stream
~100 ft S of SW-4

SAMPLE ID # SVW50708 14

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA	08/14/2007	GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	08/14/2007	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	14/1	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN	09:30	GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	09:30	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	232	7.85	-48.2	11.5	9.63	4	0945

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 14768

standards used 7.10.0 readings 7.957

#2) Dissolved Oxygen Meter SN# 4600

#3) Turbidimeter # 1

standard used 5.36 reading 5.62

#4) Conductivity Meter SN# 1562

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 0708145 VTRP BUBBLES? YES ☐ NO ☐

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

Savin Bilir

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

11

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVW5071030-
DATE 10/30/2007
TIME 12:15
Sampler SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

COPY

FIELD SAMPLING DATA

Station: SW-W5
Date/Time: 10/30/2007
Weather: clear, cool

Location Description: in stream
~100 ft S of SW-W4

SAMPLE ID # SVW50710 30

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	KCSW VASHON LF ID VTRP071030T DATE 10/30/2007 TIME 12:15 Sampler SB
VOA		GRAB	6.40	green GLASS	NO	HCl	
TSS/TS	10/30/2007	GRAB	1000	blue HDPE	NO	NONE	
METALS, D	30/	GRAB	500	red HDPE	YES	HNO ₃	
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	
DO	12:15	GRAB	300	GLASS	NO	NONE	

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	2.29	7.96	-52.2	9.13	9.44	2.91	1200

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0800

#1) pH meter (pH, Redox, Temp) SN# 14768
standards used 4 & 7 readings 4/7.59

#2) Dissolved Oxygen Meter SN# 4600
#3) Turbidimeter # 1
standard used 52.4 reading 54.9

#4) Conductivity Meter SN# 1562 1413/1419

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 071030T VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 10/29/07

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

S Bilir

TOTAL NUMBER OF BOTTLES THIS SET

11

+3VTRP

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVW5071218-
DATE 12/18/2007
Sampler SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

COPY

FIELD SAMPLING DATA

Station: SW-W5
Date/Time: 12/18/2007 1245
Weather: Raining, 50°s

Location Description: in stream
~100 ft S of SW-W4

SAMPLE ID # SVW50712 18

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES,NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	12/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	18/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	12:45	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	251	6.95	0	7.7	9.53	25.6	1240

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0930

#1) pH meter (pH, Redox, Temp) SN# 14768
standards used 4 & 7 readings 4.01/7

#2) Dissolved Oxygen Meter SN# 4600 10.7

#3) Turbidimeter # 1
standard used 52.4 reading 54.8

#4) Conductivity Meter SN# 1562 1413/1407

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

S Bilir

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE KCSWD VASHON LF

VASHON-3 SURFACE WATER SAMPLING ID SVW50803 12-
used for new weirs SW-W4, SW-W5, SW-W6 and Date 03/13/2008
Sampler SB

FIELD SAMPLING DATA

Station: SW-W5

Date/Time: 3/12/2008 1235

Weather: cool, overcast

Location Description: in stream
~100 ft S of SW-W4

SAMPLE ID # SVW50803 12-

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	3/	GRAB	✓1000	blue HDPE	NO	NONE	YES
METALS, D	12/	GRAB	✓500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	✓1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	✓500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	12:50	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	266	7.75	-49.4	8.4	8.82	5.51	1240

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 3140044 #3) Turbidimeter # 1

standards used 4 & 7 readings N/A standard used 52.4 reading 56.2

#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1408

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER. Note: DO bottle was missing on 3/12 sampled for DO on 3/13

CUSTODY RECORD:

PERSONNEL

BILIR

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

10 3/12

1 3/13

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIV' ID VTRP080715T

ION-3 SURFACE WATER SAMPLING ID SVW50807 15-
or new weirs SW-W4, SW-W5, SW-W6 and Date 07/15/2008
Sampler SB

FIELD SAMPLING DATA

Station: SW-W5

Date/Time: 7/15/2008 1030

Weather: clear, warm, 75°F

Location Description: in stream
~100 ft S of SW-W4

SAMPLE ID # SVW50807 15-

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	7/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	15/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:40	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	274	8.07	-65.2	11.8	9.48	12.1	1030

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1

standards used 4 & 7 readings -57.6 standard used 5.36 reading 5.69

#2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1411

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 080715T VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 7/14/08

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11 + 3 VTRP

SW56/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W5

Date/Time: 10 / 06 / 2008 1040

Weather: cold, 50°F's, overcast

Location Description: N4

SAMPLE ID # SVW5081006

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	10/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	06/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:45	GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	285	7.93	-42.4	11.1	10.43	2.3	1040

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp)	SN# 03140044	#3) Turbidimeter	# 1
standards used 4 & 7	readings 4.01/7	standard used	52.4 reading 54.6
#2) Dissolved Oxygen Meter	SN# 4600 101.7	#4) Conductivity Meter	SN# 1562 1413/1420

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 061006T VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: N/A DATE: 10/3/8

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir

SIGNATURE

DATE/TIME

TOTAL NUMBER OF BOTTLES THIS SET

11

+3 VTRP

SW56/samplingFIELDSHEETS.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W5

Date/Time: 01 / 06 / 2009 1130

Weather: Rain, overcast, windy, 40's

Location Description: in stream
~100 ft S of SW-W4

SAMPLE ID # SVW5081006

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	01/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	06/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	11:30	GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	270	8.05	-61.8	7.9	8.55	3.22	1130

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp)	SN# 03140044	#3) Turbidimeter	# 1
standards used 4 & 7	readings -65.3/7	standard used	52.4 reading 55.1
#2) Dissolved Oxygen Meter	SN# 4600 101.7	#4) Conductivity Meter	SN# 1562 1413/1458

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir

SIGNATURE

DATE/TIME

TOTAL NUMBER OF BOTTLES THIS SET

11

SW56/samplingFIELDSHEETS.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW5090323-

Date 03/23/2009

Sampler SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W5

Date/Time: 03/23/2009 1200

Weather: cool, overcast

Location Description: in stream ~100 ft S of SW-W4

SAMPLE ID # SVW50903 23

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6,40	green GLASS	NO	HCl	YES
TSS/TS	03/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	23/	peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	12:00	GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	217	7.43	-36.9	8.2	11.62	5.75	1200

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1000

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings -55.9/-7

standard used 52.4 reading 55.8

#2) Dissolved Oxygen Meter SN# 4600 10.17

#4) Conductivity Meter SN# 1562 1413/1415

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 090323R VTRP BUBBLES? YES ☒ NO ☐

BUBBLES: 10.3m 10.2m DATE: 3/20/09

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir

SIGNATURE

DATE/TIME

TOTAL NUMBER OF BOTTLES THIS SET

11

+3 VTRP

SW56/samplingFIELDSHEETS.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW5090710-

Date 07/10/2009

Sampler SB

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W5 and SW-W6

FIELD SAMPLING DATA

Station: SW-W5

Date/Time: 07/10/2009 1000

Weather: clear, warm ~80°F

Location: in stream 100 ft S of SW-W4

SAMPLING DATA

SAMPLE ID #	SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES/NO
SVW5090710								
	TSS		GRAB	1000	WM HDPE	NO	NONE	YES
	COND/pH/ALK/TURB	07/	GRAB	500	WM HDPE	NO	NONE	YES
	TDS/TOTS	10/	GRAB	500	WM HDPE	NO	NONE	YES
	NH ₃ /NO ₃	2009	GRAB	250	WM HDPE	NO	NONE	YES
	CL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
	WDO	10:25	GRAB	300	GLASS	NO	MnSO ₄ / ALA	NO
	METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
	METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
	VOA		GRAB	4,40	GLASS	NO	HCl	YES

Preserve WDO w/ PILLOW POUCHES & Place in insulated covers
LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	SPEC COND (umhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
1562	315	7.34	-27.9	12.1	7.45	3.66	1020

NOTES: diH₂O 5.0 8.48 -88.1 16.0 6.58 0.39 1115

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

3 VTRPs TURNED IN? YES ☐ NO ☒

BUBBLES? YES ☐ NO ☒

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL
Sevin Bilir

SIGNATURE

DATE/TIME

TOTAL NUMBER OF BOTTLES THIS SET

12 + 1 Eq. BLANK

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF

ID SVW5091019-

Date 10/19/2009

Sampler SB

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W5 and SW-W6

FIELD SAMPLING DATA

Station: SW-W5
Date/Time: 10/19/2009 1115
Weather: overcast, 50°F's
Location: in stream 100 ft S of SW-W4

SAMPLING DATA

SAMPLE ID #		DATE		VOLUME		CONTAINER		FIELD FILTERED		PRESERVATIVE		ICED	
		TIME		(mL)		TYPE		(YES, NO)				YES	
												NO	
TSS													
COND/pH/ALK/TURB													
TDS/TOTS													
NH ₃ /NO ₃													
CL/SO ₄													
WDO													
METALS, c													
METALS, d													
VOA													

Preserve WDO w/ PILLOW POUCHES & Place in insulated covers
LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.		SPEC COND		pH		REDOX		TEMPERATURE		DISSOLVED OXYGEN		TURBIDITY	
		(umhos/cm)		VALUE		mV		(°C)		(mg/L)		NTU	
GRAB		255		7.47		-30.1		10.8		8.98		3.10	
NOTES: SVW5091019E		1.3		7.86		-62.3		9.2		7.76		1.14	

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☒ VTRP0910 DATE: 10/19/09

BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir
SIGNATURE: [Signature]
DATE/TIME: 10/19/09 11:55
TOTAL NUMBER OF BOTTLES THIS SET: 12 + 1

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF

ID SVW5100122-

Date 01/22/2010

Sampler SB

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W5 and SW-W6

FIELD SAMPLING DATA

Station: SW-W5
Date/Time: 01/22/2010 0940
Weather: partly cloudy
Location: in stream 100 ft S of SW-W4

SAMPLING DATA

SAMPLE ID #		DATE		VOLUME		CONTAINER		FIELD FILTERED		PRESERVATIVE		ICED	
		TIME		(mL)		TYPE		(YES, NO)				YES	
												NO	
TSS													
COND/ALK/TURB													
TDS/TOTS													
NH ₃ /NO ₃													
CL/SO ₄													
WDO													
METALS, c													
METALS, d													
VOA													

FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT CORRECT BOTTLES!

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.		SPEC COND		pH		TEMPERATURE		DISSOLVED OXYGEN		TURBIDITY		TIME	
		(umhos/cm)		VALUE		(°C)		(mg/L)		NTU			
GRAB		209		7.11		8.1		10.08		6.8		0950	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☒ VTRP1001 DATE: 01/22/10

BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir
SIGNATURE: [Signature]
DATE/TIME: 01/22/10 10:10
TOTAL NUMBER OF BOTTLES THIS SET: 11 + 1

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

KCSWD VASHON LF
ID SVW5100419-

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W5 and SW-W6

Date 04/19/2010

Sampler SB

FIELD SAMPLING DATA

COPY

Station: SW-W5
Date/Time: 04/19/2010 1250
Weather: overcast, 60°F
Location: in stream 100 ft S of SW-W4

SAMPLING DATA

SAMPLE ID # SVW5100419-							
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
TSS		GRAB	1000	NM HDPE	NO	NONE	YES
COND/ALK/TURB	04/19/2010	GRAB	500	NM HDPE	NO	NONE	YES
TDS/TOTS	19/	GRAB	500	NM HDPE	NO	NONE	YES
NH ₄ /NO ₃	2010	GRAB	250	NM HDPE	NO	NONE	YES
CL/SO ₄	1300	GRAB	125	NM HDPE	NO	NONE	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES!

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO. 1562 03140044 1562 1							
SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME	
GRAB	245	7.58	11.3	NM	7.69	1255	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
3 VTRPs TURNED IN? YES ☐ NO ☒ VTRP1004 DATE:
BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS:
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir
SIGNATURE: *[Signature]*
DATE/TIME: 04/19/10 1250
TOTAL NUMBER OF BOTTLES THIS SET: 11

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

KCSWD VASHON LF
ID SVW5100812-

VASHON-3 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Weirs SW-W5 and SW-W6)

Date 08/12/2010

Sampler SB

Station: SW-W5
Date/Time: 08/12/2010 1125
Weather: overcast, 70°F
Location: in stream 100 ft S of SW-W4

SAMPLING DATA

KCSWD VASHON LF
ID VTRP100812T
Sampler SB

SAMPLE ID # SVW5100412-							
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
TSS	08/12/2010	GRAB	1000	NM HDPE	NO	NONE	YES
COND/ALK/TURB	12/	GRAB	500	NM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	250	NM HDPE	NO	NONE	YES
NH ₄ /NO ₃	11:35 a.m.	GRAB	125	NM HDPE	NO	NONE	YES
CL/SO ₄		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, t		GRAB	500	Acid Washed HDPE	YES	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES!

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 03140044 03140044 SWD 1							
SAMPLE	SPEC COND (umhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME	
1	330	6.95	12.2	NM	3.8	1130	

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
3 VTRPs TURNED IN? YES ☒ NO ☐ VTRP1008 DATE: 8/12/10
BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 10-2mm
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: SBILIR
SIGNATURE: *[Signature]*
DATE/TIME: 8/12/10 11:40
TOTAL NUMBER OF BOTTLES THIS SET: 11

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

KCSWD VASHON LF

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA (used for Weirs SW-4, SW-5, SW-6 and SW-7)

Station: SW-W5
Date/Time: 11/01/2010 1045
Weather: RAIN, 50'S E. WINDY
Location: in stream 100 ft S of SW-WA

SAMPLING DATA

SAMPLE ID #	DATE	METHOD	VOLUME	CONTAINER	FIELD FILTERED	PRESERVATIVE	ICED
TYPE	TIME		(mL)	TYPE	(YES, NO)		YES/NO
TSS	11/01	GRAB	1000	WM HDPE	NO	NONE	YES
COND/ALK/TURB	01/1	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	10:50	GRAB	250	WM HDPE	NO	NONE	YES
CL/SO ₄	a.m.	GRAB	125	NM HDPE	NO	NONE	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES!

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	03140044	03140044	SWD	1
SAMPLE	SPEC COND	pH	TEMPERATURE	DISSOLVED OXYGEN	TURBIDITY
	(umhos/cm)	VALUE	(°C)	(mg/L)	NTU
1	171.4	6.97	10.6	6.60	27.0
EQUIPMENT	1.1	7.97	13.1	8.39	2.02

NOTES: SWW5101101

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
3 VTRPs TURNED IN? YES ☒ NO ☐ VTRP: 10401R DATE: 11/01/2010
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS:
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL
S. Bulir

SIGNATURE

DATE/TIME

11/01/2010
10:55

TOTAL NUMBER OF BOTTLES THIS SET

11 + 3 + 1

KCSWD VASHON LF

ID SVW5101101

Date 11/01/2010

D Sampler SB

KCSWD VASHON LF

ID SVW5101101

Date 11/01/2010

Sampler SB

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-4, SW-5, SW-6 and SW-7

KC VASHON LF
ID SVW6070510
DATE 05/10/07
TIME 1105
SAMPLER SB

COPY

FIELD SAMPLING DATA

Station: SW-6
Date/Time: 05/10/07 1100
Weather: clear, warm

Location Description: in stream
-80 ft S of dry ridge

SAMPLE ID # SVW607 05 10.

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRES.	ICED YES/NO
VOA		GRAB	6,40	green GLASS	NO	HCl	YES
TSS/TS	05/1	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	10/1	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN	11:05	GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3
SAMPLE	SPECIFIC COND	pH	REDOX	TEMP	DISSOLVED OXYGEN
	(umhos/cm)	VALUE	mV	(°C)	(mg/L)
	242	7.88	49.8	9.4	8.52
					1.51
					1120

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0715
#1) pH meter (pH, Redox, Temp) SN# 14708 standards used 7, 10, 01 readings 7, 9.57
#2) Dissolved Oxygen Meter SN# 4600
#3) Turbidimeter #1 standard used 5.36 reading 5.62
#4) Conductivity Meter SN# 1562

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐
VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE:
QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S. Bulir

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W6

Date/Time: 08/14/2007

Weather: clear cool

Location Description: in stream

~80 ft S of dry ridge

SAMPLE ID # SVW60708 14

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	08/14/2007	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D		GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1		GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	10:00	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	246	7.82	-46.8	12.7	7.02	1.41
						1015

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0810

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings 4.01/7.01

standard used 52.4 reading 53.4

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/ 1412

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP 071101T VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 07/29/07

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S Bilir

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W6

Date/Time: 11/1/2007

Weather: cool, partly cloudy

Location Description: in stream

~80 ft S of dry ridge

SAMPLE ID # SVW60710 01

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	11/1/2007	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D		GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1		GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	11:00	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	2	3	TIME
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
	275	8.03	-55.3	8.7	8.18	1.29
						1050

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 071101T

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings

standard used 52.4 reading 56.8

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/ 1422

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 071101T VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 07/29/07

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

[Signature]

SIGNATURE

[Signature]

TOTAL NUMBER OF BOTTLES THIS SET

11 + 3 VTRP

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

KCSW VASHON LF
ID SVW6071218-
DATE 12/18/2007
Sampler SB

FIELD SAMPLING DATA

Station: **SW-W6**
Date/Time: **12 / 18 / 2007 1115**
Weather: **Raining, 50's**

Location Description: **in stream
~80 ft S of dry ridge**

SAMPLE ID # **SVW6071218**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	12/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	18 /	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2007	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	11:15	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	247	7.77	-42.9	6.9	9.33	39.8	1110

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0930**
 #1) pH meter (pH, Redox, Temp) SN# 14768 #3) Turbidimeter # 1
 standards used 4 & 7 readings **4.01/7** standard used 52.4 reading **54.8**
 #2) Dissolved Oxygen Meter SN# 4600 **101.7** #4) Conductivity Meter SN# 1562 1413/1407

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☐

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL **SBtir** SIGNATURE **[Signature]**
 TOTAL NUMBER OF BOTTLES THIS SET **11**

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

KCSW VASHON LF
ID SVW6080312
Date 03/12/2008
Sampler SB

FIELD SAMPLING DATA

Station: **SW-W6**
Date/Time: **3 / 12 / 2008 1158**
Weather: **cloud, overcast**

Location Description: **in stream
~80 ft S of dry ridge**

SAMPLE ID # **SVW6080312**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	3/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	12 /	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	12:10	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	288	7.92	56.7	6.8	7.97	1.77	1200

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: **0830**
 #1) pH meter (pH, Redox, Temp) SN# 3140044 #3) Turbidimeter # 1
 standards used 4 & 7 readings **N/A** standard used 52.4 reading **56.2**
 #2) Dissolved Oxygen Meter SN# 4600 101.7 #4) Conductivity Meter SN# 1562 1413/1408

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL **BILIR** SIGNATURE **[Signature]**
 TOTAL NUMBER OF BOTTLES THIS SET **11**

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION
KCSWD VASHON LF
ID SVW6080715E
Date 07/15/2008
Sampler SB

VASHON-3 SURFACE WATER SAMPLING

used for new weirs SW-W4, SW-W5, SW-W6 and S

FIELD SAMPLING DATA

Station: SW-W6

Date/Time: 7/15/2008 1100

Weather: clear, warm, 75°F

Location Description: in stream
~80 ft S of dry ridge

SAMPLE ID # SVW6080715

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	7/15/2008	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D		peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	11:10	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	304	8.01	-57.6	12.6	9.23	1.09	1100

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0810

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings -57.1/-6

standard used 5.36 reading 5.69

#2) Dissolved Oxygen Meter SN# 4800 101.7

#4) Conductivity Meter SN# 1562 1413/1411

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

11 + 1 Eq. Blank.

(forgot to take WQ of DI H₂O)

SW56/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KCSWD VASHON LF
ID SVW6081006E
Date 10/06/2008
Sampler SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W6

Date/Time: 10/06/2008 1100

Weather: cold, overcast, 50°F's

Location Description: Date 10/06/2008
Sampler SB

SAMPLE ID # SVW60810

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	10/10/2008	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D		peristaltic pump/tubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	11:15	GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
Dil H ₂ O	3.3	8.09	-53.7	14.3	7.5	0.33	1100
GRAB SAMPLE	263	8.12	-55.3	11.5	7.71	2.13	1110

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0930

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings 4.0/7.7

standard used 52.4 reading 54.6

#2) Dissolved Oxygen Meter SN# 4800 101.7

#4) Conductivity Meter SN# 1562 1413/1420

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: N/A DATE: N/A

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

KCSWD VASHON LF

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

ID SVW6081006E

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

DATE / TIME

TOTAL NUMBER OF BOTTLES THIS SET

11 + 1 EB

SW56/samplingFIELDSHEETS.xls

VASW-3 (45)

VASHON-3 SURFACE WATER
used for new weirs SW-W4, SW-W5

FIELD SAMPLING DATA

Station: SW-W6

Date/Time: 01 / 06 / 2009

Weather: Rain, overcast, 40's, windy

Location Description: in stream
~80 ft S of dry ridge

SAMPLE ID # SVW6090324E

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	01/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	06 /	peristaltic pump/rubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	11:55	GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	277	8.04	-61.0	6.9	8.0	8.9	1145

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 1015

#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings -55.4 / -7 standard used 52.4 reading 55.1

#2) Dissolved Oxygen Meter SN# 4600 10.17 #4) Conductivity Meter SN# 1562 1413 / 1458

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 090106T VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: DATE: 12/31/08

QC BOTTLES TURNED IN? YES ☒ NO ☐

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ SVW6090106E

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir SIGNATURE 01/06/09 DATE/ TIME 11:55

TOTAL NUMBER OF BOTTLES THIS SET (11) + 3 VTRP + 1 E

VASW-3 (45)

VASHON-3 SURFACE WATER SAMPLING used for new weirs SW-W4, SW-W5, SW-W6 and

FIELD SAMPLING DATA

Station: SW-W6

Date/Time: 03 / 24 / 2009 1300

Weather: cool, overcast, windy

Location Description: ID SVW6090324E Date 03/24/2009 Sampler SB

SAMPLE ID # SVW6090324E

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	03/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	24 /	peristaltic pump/rubing	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2009	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	13:00	GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	228	7.93	-44	7.1	8.89	3.34	1310

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 1100

#1) pH meter (pH, Redox, Temp) SN# 03140044 #3) Turbidimeter # 1
standards used 4 & 7 readings -55.4 / -6 standard used 52.4 reading 55.1

#2) Dissolved Oxygen Meter SN# 4600 10.17 #4) Conductivity Meter SN# 1562 1413 / 1408

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐

VTRP 090324T VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: 103mm DATE: 3/20/09

QC BOTTLES TURNED IN? YES ☒ NO ☐

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ SVW6090324E

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL S. Bilir SIGNATURE 03/24/2009 DATE/ TIME 1320

TOTAL NUMBER OF BOTTLES THIS SET 11

13 VTRP + 1 E

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W5 and SW-W6

FIELD SAMPLING DATA

Station: SW-W6
Date/Time: 07 / 10 / 2009 11:00
Weather: clear, warm & 80°F
Location: in stream 80 ft S of dry ridge

SAMPLING DATA

SAMPLE ID # SVW6090710 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
TSS		GRAB	1000	WM HDPE	NO	NONE	YES
COND/PH/ALK/TURB	07 /	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	10 /	GRAB	500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	2009	GRAB	250	WM HDPE	NO	NONE	YES
CL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
WDO	11:16	GRAB	300	GLASS	NO	MnSO ₄ / AIA	NO
METALS, c		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCL	YES

Preserve WDO w/ PILLOW POUCHES & Place in insulated covers
LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	1562	03140044	03140044	3140044	4600	1
SAMPLE	COND (umhos/cm)	PH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
GRAB	323	7.71	-46.9	13.3	9.1	2.09

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7) 10
3 VTRPs TURNED IN? YES ☒ NO ☐ VTRP090710R DATE: 07/09/09
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir
SIGNATURE: *Sevin Bilir*
DATE/TIME: 07/10/09 11:30
TOTAL NUMBER OF BOTTLES THIS SET: 12 + 3 VTRP

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W5 and SW-W6

FIELD SAMPLING DATA

Station: SW-W6
Date/Time: 10 / 19 / 2009 12:10
Weather: overcast, 50°F's
Location: in stream 80 ft S of dry ridge

SAMPLING DATA

SAMPLE ID # SVW6091019 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES NO
TSS		GRAB	1000	WM HDPE	NO	NONE	YES
COND/PH/ALK/TURB	10 /	GRAB	500	WM HDPE	NO	NONE	YES
TDS/TOTS	19 /	GRAB	500	WM HDPE	NO	NONE	YES
NH ₃ /NO ₃	2009	GRAB	250	WM HDPE	NO	NONE	YES
CL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES
WDO	12:30	GRAB	300	GLASS	NO	MnSO ₄ / AIA	NO
METALS, c		GRAB	500	Acid Washed HDPE	NO	NONE	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES
VOA		GRAB	4,40	GLASS	NO	HCL	YES

Preserve WDO w/ PILLOW POUCHES & Place in insulated covers
LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	1562	03140044	03140044	3140044	4600	1
SAMPLE	COND (umhos/cm)	PH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU
GRAB	249	7.82	-46.8	11.2	7.89	4.94

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7) 10
3 VTRPs TURNED IN? YES ☒ NO ☐ VTRP091019R DATE: 10/16/09
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Sevin Bilir
SIGNATURE: *Sevin Bilir*
DATE/TIME: 10/19/09 12:45
TOTAL NUMBER OF BOTTLES THIS SET: 12 + 3

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W5 and SW-W6

FIELD SAMPLING DATA

Station: SW-W6
Date/Time: 01/22/2010 0920
Weather: partly cloudy
Location: in stream 80 ft S of dry ridge

SAMPLING DATA

SAMPLE ID # SVW6100122-									
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES	NO	YES
TSS		GRAB	✓ 1000	WM HDPE	NO	NONE	YES		
COND/ALK/TURB	01/22/2010	GRAB	✓ 500	WM HDPE	NO	NONE	YES		
TDS/TOTS	22/	GRAB	✓ 500	WM HDPE	NO	NONE	YES		
NH ₃ /NO ₃	2010	GRAB	✓ 250	WM HDPE	NO	NONE	YES		
CL/SO ₄		GRAB	✓ 125	WM HDPE	NO	NONE	YES		
METALS, t	0930	GRAB	✓ 500	Acid Washed HDPE	NO	NONE	YES		
METALS, d		GRAB	✓ 500	Acid Washed HDPE	✓ YES	NONE	YES		
VOA		GRAB	✓ 4,40	GLASS	NO	HCl	YES		

✓ FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES! ✓

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO. 1562 03140044 1562 0000323 1

SAMPLE	SPEC COND (µmhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	203	7.07	7.5	11.1	2.75	0940

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)
3 VTRPS TURNED IN? YES ☒ NO ☐ VTRP1001 22R DATE: 01/19/10
BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 1 @ 3mm
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL	SIGNATURE	DATE/TIME
Sevin Bilir		01/22/10 09:40

TOTAL NUMBER OF BOTTLES THIS SET 11 + 3

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W5 and SW-W6

FIELD SAMPLING DATA

Station: SW-W6
Date/Time: 04/19/2010 1300
Weather: overcast, cool
Location: in stream 80 ft S of dry ridge

SAMPLING DATA

SAMPLE ID # SVW6100419-									
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES, NO)	PRESERVATIVE	ICED YES	NO	YES
TSS		GRAB	1000	WM HDPE	NO	NONE	YES		
COND/ALK/TURB	04/19/2010	GRAB	500	WM HDPE	NO	NONE	YES		
TDS/TOTS		GRAB	500	WM HDPE	NO	NONE	YES		
NH ₃ /NO ₃		GRAB	250	WM HDPE	NO	NONE	YES		
CL/SO ₄		GRAB	125	WM HDPE	NO	NONE	YES		
METALS, t	1315	GRAB	500	Acid Washed HDPE	NO	NONE	YES		
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES		
VOA		GRAB	4,40	GLASS	NO	HCl	YES		

✓ FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO THE CORRECT BOTTLES! ✓

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO. 1562 03140044 1562 1

SAMPLE	SPEC COND (µmhos/cm)	pH VALUE	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	187	7.16	12.5	NM	10.4	1305

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)
3 VTRPS TURNED IN? YES ☐ NO ☒ VTRP1004 DATE:
BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS:
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL	SIGNATURE	DATE/TIME
Sevin Bilir		04/19/10 13:25

TOTAL NUMBER OF BOTTLES THIS SET 11

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

KCSWD VASHON LF
ID SVW6100812

VASHON-3 SURFACE WATER FIELD RECORD
FIELD SAMPLING DATA (used for Weirs SW-W5 and SW-W6)

Date 08/12/2010
Sampler SB

Station: SW-W6
Date/Time: 08/12/2010 1045
Weather: Overcast, 70's
Location: in stream 80 ft S of dry ridge

SAMPLING DATA

SAMPLE ID# SVW6100412 -									
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES	NO	YES
TSS	8/12/2010	GRAB	✓1000	WM HDPE	NO	NONE	YES	NO	YES
COND/ALK/TURB	12/1	GRAB	✓500	WM HDPE	NO	NONE	YES	NO	YES
TDS/TOTS	2010	GRAB	✓500	WM HDPE	NO	NONE	YES	NO	YES
NH ₄ /NO ₃	11:00	GRAB	✓250	WM HDPE	NO	NONE	YES	NO	YES
CL/SO ₄	a.m.	GRAB	✓125	WM HDPE	NO	NONE	YES	NO	YES
METALS, t		GRAB	✓500	Acid Washed HDPE	NO	NONE	YES	NO	YES
METALS, d		GRAB	✓500	Acid Washed HDPE	YES	NONE	YES	NO	YES
VOA		GRAB	✓4,40	GLASS	NO	HCl	YES	NO	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES!

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 03140044 03140044 SWD 1
SPEC COND 349 pH 7.12 TEMPERATURE 13.8 DISSOLVED OXYGEN NM TURBIDITY 3.96 TIME 1050
METER READING 5.36 4.02

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☒ VTRP1008 DATE:

BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS: N/A

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL SBILIR SIGNATURE DATE/TIME 8/12/10 11:20

TOTAL NUMBER OF BOTTLES THIS SET 11

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

KCSWD VASHON LF
ID SVW6101101

VASHON-3 SURFACE WATER FIELD RECORD
FIELD SAMPLING DATA (used for Weirs SW-W5 and SW-W6)

Date 11/01/2010
Sampler SB

Station: SW-W6
Date/Time: 11/01/2010 1150
Weather: Rain, Windy, 50-55°F
Location: in stream 80 ft S of dry ridge

SAMPLING DATA

SAMPLE ID# SVW6101101 -									
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRESERVATIVE	ICED YES	NO	YES
TSS	11/01/2010	GRAB	1000	WM HDPE	NO	NONE	YES	NO	YES
COND/ALK/TURB	01/1	GRAB	500	WM HDPE	NO	NONE	YES	NO	YES
TDS/TOTS	2010	GRAB	500	WM HDPE	NO	NONE	YES	NO	YES
NH ₄ /NO ₃	11:55	GRAB	250	WM HDPE	NO	NONE	YES	NO	YES
CL/SO ₄	a.m.	GRAB	125	WM HDPE	NO	NONE	YES	NO	YES
METALS, t		GRAB	500	Acid Washed HDPE	NO	NONE	YES	NO	YES
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES	NO	YES
VOA		GRAB	4,40	GLASS	NO	HCl	YES	NO	YES

PLEASE REMEMBER TO FILTER THE DISS METALS AND MAKE SURE THE TOTAL AND DISSOLVED METALS GO INTO CORRECT BOTTLES!

FIELD WATER QUALITY PARAMETERS

INSTR. # 1562 03140044 03140044 SWD 1
SPEC COND 165.4 pH 6.67 TEMPERATURE 10.8 DISSOLVED OXYGEN 9.03 TURBIDITY 13.5 TIME 1150
METER READING 52.4 50.7

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☐ NO ☒ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☒ VTRP1008 DATE:

BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS:

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL SBILIR SIGNATURE DATE/TIME 11/01/2010 12:00

TOTAL NUMBER OF BOTTLES THIS SET 11

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KC VASHON LF
ID SVW7070510-
DATE 05/10/07
TIME 1045
SAMPLER SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-4, SW-5, SW-6 and SW-7

FIELD SAMPLING DATA

Station: SW-7
Date/Time: 05/10/07 1035
Weather: Clear, warm
Location Description: in stream
~60 ft S of SW-6

SAMPLE ID # SVW707 05 10 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA	<u>05/10/07</u>	<u>GRAB</u>	<u>6.40</u>	<u>green GLASS</u>	<u>NO</u>	<u>HCl</u>	<u>YES</u>
TSS/TS	<u>05/10/07</u>	<u>GRAB</u>	<u>1000</u>	<u>blue HDPE</u>	<u>NO</u>	<u>NONE</u>	<u>YES</u>
METALS, D	<u>10/1</u>	<u>GRAB</u>	<u>500</u>	<u>red HDPE</u>	<u>YES</u>	<u>HNO₃</u>	<u>YES</u>
PHYS 1	<u>2007</u>	<u>GRAB</u>	<u>1000</u>	<u>blue HDPE</u>	<u>NO</u>	<u>NONE</u>	<u>YES</u>
COD/TP/TKN	<u>10:45</u>	<u>GRAB</u>	<u>500</u>	<u>yellow HDPE</u>	<u>NO</u>	<u>H₂SO₄</u>	<u>YES</u>
DO	<u>10:45</u>	<u>GRAB</u>	<u>300</u>	<u>GLASS</u>	<u>NO</u>	<u>NONE</u>	<u>YES</u>

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	<u>251</u>	<u>8.1</u>	<u>-61.7</u>	<u>10</u>	<u>7.65</u>	<u>4.63</u>	<u>1055</u>

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0715
#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 7, 10, 01 readings 7.9, 5.7
#2) Dissolved Oxygen Meter SN# 4600 #3) Turbidimeter #1 standard used 5.36 reading 5.62
#4) Conductivity Meter SN# 1567

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐ 1 no bubble
VTRP 070510T VTRP BUBBLES? YES ☒ NO ☐ BUBBLES: 2 had 1 bubble each DATE: 5/8/07
QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

14

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

KCSW VASHON LF
ID SVW7070814-
DATE 08/14/2007
TIME 1030
Sampler SB

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W7
Date/Time: 08/14/2007
Weather: Clear cool
Location Description: in stream
~60 ft S of SW-W6

SAMPLE ID # SVW7070814 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA	<u>08/14/2007</u>	<u>GRAB</u>	<u>6.40</u>	<u>green GLASS</u>	<u>NO</u>	<u>HCl</u>	<u>YES</u>
TSS/TS	<u>08/14/2007</u>	<u>GRAB</u>	<u>1000</u>	<u>blue HDPE</u>	<u>NO</u>	<u>NONE</u>	<u>YES</u>
METALS, D	<u>14/1</u>	<u>GRAB</u>	<u>500</u>	<u>red HDPE</u>	<u>YES</u>	<u>HNO₃</u>	<u>YES</u>
PHYS 1	<u>2007</u>	<u>GRAB</u>	<u>1000</u>	<u>blue HDPE</u>	<u>NO</u>	<u>NONE</u>	<u>YES</u>
COD/TP/TKN	<u>10:30</u>	<u>GRAB</u>	<u>500</u>	<u>yellow HDPE</u>	<u>NO</u>	<u>H₂SO₄</u>	<u>YES</u>
DO	<u>10:30</u>	<u>GRAB</u>	<u>300</u>	<u>GLASS</u>	<u>NO</u>	<u>NONE</u>	<u>YES</u>

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
SAMPLE	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	<u>253</u>	<u>7.91</u>	<u>-56.4</u>	<u>12.5</u>	<u>7.65</u>	<u>5.9</u>	<u>1035</u>

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0810
#1) pH meter (pH, Redox, Temp) SN# 14768 standards used 4 & 7 readings 4.01/7.01
#2) Dissolved Oxygen Meter SN# 4600 #3) Turbidimeter #1 standard used 52.4 reading 53.4
#4) Conductivity Meter SN# 1562 1413/1412

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒
VTRP 070510T VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: 2 had 1 bubble each DATE: 5/8/07
QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

TOTAL NUMBER OF BOTTLES THIS SET

11

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

P KCSW VASHON LF
ID SVW7071101-
DATE 11/01/2007
TIME 1130
Sampler SB

FIELD SAMPLING DATA

Station: SW-W7

Date/Time: 11/1/2007

Weather: cool, partly cloudy

Location Description: in stream

~60 ft S of SW-W6

SAMPLE ID # SVW707101

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA	<u>11/1</u>	GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	<u>11/1</u>	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	<u>01/1</u>	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	<u>2007</u>	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN	<u>11:30</u>	GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	<u>11:30</u>	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	<u>289</u>	<u>8.1</u>	<u>-61.3</u>	<u>8.7</u>	<u>7.51</u>	<u>11.2</u>	<u>1115</u>

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: _____

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings

standard used 52.4 reading 56.8

#2) Dissolved Oxygen Meter SN# 4600

#4) Conductivity Meter SN# 1562 1413/1422

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

801

TOTAL NUMBER OF BOTTLES THIS SET

11

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

KCSW VASHON LF
ID SVW7071218-
DATE 12/18/2007

Sampler SB

FIELD SAMPLING DATA

Station: SW-W7

Date/Time: 12/18/2007 1130

Weather: Raining, 50%

Location Description: in stream

~60 ft S of SW-W6

SAMPLE ID # SVW7071218

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA	<u>12/18</u>	GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	<u>12/18</u>	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	<u>18/1</u>	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	<u>2007</u>	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN	<u>11:30</u>	GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	<u>11:30</u>	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	<u>245</u>	<u>8.01</u>	<u>-56.4</u>	<u>6.9</u>	<u>8.25</u>	<u>38.1</u>	<u>1125</u>

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0930

#1) pH meter (pH, Redox, Temp) SN# 14768

#3) Turbidimeter # 1

standards used 4 & 7 readings 4.01/7

standard used 52.4 reading 54.8

#2) Dissolved Oxygen Meter SN# 4600 10.7

#4) Conductivity Meter SN# 1562 1413/1407

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

VTRP VTRP BUBBLES? YES ☐ NO ☐ BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☐

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

SIGNATURE

SBilir

831

TOTAL NUMBER OF BOTTLES THIS SET

11

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION KCSWD VASHON LFVASHON-3 SURFACE WATER SAMPLING FIELD RECORD
used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

Date 03/12/2008

Sampler SB

KCSWD VASHON LF
ID SVW7080312
Date 03/12/2008
Sampler SB

FIELD SAMPLING DATA

Station: SW-W7
Date/Time: 3/12/2008
Weather:Location Description: in stream
~60 ft S of SW-W6

SAMPLE ID # SVW7080312

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	3/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	12/	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1	2008	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO	12:30	GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
	258	7.87	-49.6	7.2	7.22	3.19	1215

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0830

#1) pH meter (pH, Redox, Temp) SN# 3140044
standards used 4 & 7 readings n/a

#2) Dissolved Oxygen Meter SN# 4600 101.7

#3) Turbidimeter # 1
standard used 52.4 reading 50.2

#4) Conductivity Meter SN# 1562 1413/1408

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☒ NO ☐VTRP 080312R VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: 03/06/08QC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

BILIR

SIGNATURE

80L

TOTAL NUMBER OF BOTTLES THIS SET

11

+3 VTRP

SW4567/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISIONVASHON-3 SURFACE WATER SAMPLING FIELD RECORD
used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: SW-W7
Date/Time: 7/15/2008 1115
Weather: Warm, clear ~75°FLocation Description: in stream
~60 ft S of SW-W6

SAMPLE ID #

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	PRES.	ICED YES/NO
VOA		GRAB	6.40	green GLASS	NO	HCl	YES
TSS/TS	7/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS, D	2008	GRAB	500	red HDPE	YES	HNO ₃	YES
PHYS 1		GRAB	1000	blue HDPE	NO	NONE	YES
COD/TP/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	284	8.11	-67.8	12.5	8.07	3.24	1115

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ TIME: 0810

#1) pH meter (pH, Redox, Temp) SN# 03140044
standards used 4 & 7 readings 57.1/-6

#2) Dissolved Oxygen Meter SN# 4600 101.7

#3) Turbidimeter # 1
standard used 5.36 reading 5.69

#4) Conductivity Meter SN# 1562 1413/1411

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒VTRP VTRP BUBBLES? YES ☐ NO ☒ BUBBLES: DATE: N/AQC BOTTLES TURNED IN? YES ☐ NO ☒

SAMPLE IS TAKEN AT A WEIR SAMPLER.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

80L

TOTAL NUMBER OF BOTTLES THIS SET

W47 done/fieldsheets.xls

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: **SW-W7**

Date/Time: 10/06/2008 1140

Weather: cond, 50°F, overcast

Location Description: in stream

~60 ft S of SW-W6

SAMPLE ID # **N/A**

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD TESTED	REDUCED	CED YES/NO
VOA		GRAB	6.40	green GLASS	NO	YES	YES
TSS/TS	10/	GRAB	1000	blue HDPE	NO	NONE	YES
METALS		GRAB	1000	red HDPE	YES	HNO ₃	YES
PHYS	2000	GRAB	1000	blue HDPE	NO	NONE	YES
COD/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	298	8.17	-57.8	11.1	8.07	9.2	1140

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 0930

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings 4.01/7

standard used 52.4 reading 54.6

#2) Dissolved Oxygen Meter SN# 4600 101.7

#4) Conductivity Meter SN# 1562 1413/1420

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

DATE / TIME

TOTAL NUMBER OF BOTTLES THIS SET

N/A

10/06/08: 1140

VASW-3 (45)

KING COUNTY
SOLID WASTE DIVISION

Place label here

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD

used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

FIELD SAMPLING DATA

Station: **SW-W7**

Date/Time: 01/06/2009

Weather: Rain, overcast, windy, 40's

Location Description: in stream

~60 ft S of SW-W6

SAMPLE ID #

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD TESTED	REDUCED	CED YES/NO
VOA		GRAB	6.40	green GLASS	NO	YES	YES
TSS/TS		GRAB	1000	blue HDPE	NO	NONE	YES
METALS		GRAB	1000	red HDPE	YES	HNO ₃	YES
PHYS		GRAB	1000	blue HDPE	NO	NONE	YES
COD/TKN		GRAB	500	yellow HDPE	NO	H ₂ SO ₄	YES
DO		GRAB	300	GLASS/PLASTIC	NO	NONE	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.	4	1	1	1	2	3	
METHOD	SPECIFIC COND (umhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	270	8.07	-62.9	7.1	10.95	3.29	1200

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

TIME: 1015

#1) pH meter (pH, Redox, Temp) SN# 03140044

#3) Turbidimeter # 1

standards used 4 & 7 readings -65.3/-7

standard used 52.4 reading 55.1

#2) Dissolved Oxygen Meter SN# 4600 101.7

#4) Conductivity Meter SN# 1562 1413/1458

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

VTRP VTRP BUBBLES? YES ☐ NO ☒

BUBBLES: DATE:

QC BOTTLES TURNED IN? YES ☐ NO ☒

EQUIPMENT BLANK TURNED IN WITH THIS SAMPLE? YES ☐ NO ☒

SAMPLE IS TAKEN AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL

S. Bilir

SIGNATURE

DATE / TIME

TOTAL NUMBER OF BOTTLES THIS SET

N/A

01/06/09: 1205

VASHON-3 SURFACE WATER SAMPLING FIELD RECORD
used for new weirs SW-W4, SW-W5, SW-W6 and SW-W7

Place label here

Station: SW-W7

Date/Time: 03 / 24 / 2009 1325
Weather: Cool, overcast, windy

Location Description: in stream
~60 ft S of SW-W6

SAMPLE ID #

SAMPLE ID #	DATE	METHOD	VOLUME (ml)	CONTAINER TYPE	FIELD	CED
SAMPLE TYPE	TIME				PERFECT	YES/NO
VOA		GRAB	6.4	green HDPE	NO	YES
TSS/TS		GRAB		blue HDPE	NO	YES
META-S				red HDPE	YES	YES
PHYS				blue HDPE	NO	YES
COD/		GRAB	500	yellow HDPE	NO	YES
DO		GRAB	300	GLASS/PLASTIC	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTRUMENT NO.		4		1		1		2		3	
METHOD		SPECIFIC COND (µmhos/cm)	pH VALUE	REDOX mV	TEMP (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME			
GRAB		227	8.02	-60.5	7.4	10.23	3.31	1325			

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐

#1) pH meter (pH, Redox, Temp) SN# 03140044
standards used 4 & 7 readings 55.4 / 16

#2) Dissolved Oxygen Meter SN# 4600 101.7

TIME: 1100

#3) Turbidimeter # 1
standard used 52.4 reading 55

#4) Conductivity Meter SN# 1562 1413 / 1408

3 VOA TRIP BLANKS TURNED IN WITH THIS SAMPLE? YES ☐ NO ☐

VTRP _____ VTRP BUBBLES? YES ☐ NO ☐ _____ DATE: _____

QC BOTTLES TURNED IN? YES ☒ NO ☐

EQUIPMENT BLANK FOR SAMPLES: YES ☐ NO ☐

SAMPLE 5 AT SURFACE WATER/ GROUNDWATER INTERFACE.

CUSTODY RECORD:

PERSONNEL
S. Bilir

SIGNATURE
[Signature]

DATE / TIME
3/24 : 1325

TOTAL NUMBER OF BOTTLES THIS SET
2009

W47 WQ only/samplingFIELDSHEETS.xls

VASHON-3 SURFACE WATER FIELD RECORD

Place label here

FIELD SAMPLING DATA

Station: SW-W7
Date/Time: 07 / 10 / 2009 1140
Weather: Clear, warm 58°F
Location: ~60 ft S of SW-W6

SAMPLING DATA

SAMPLE ID #		n/a							
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	FIELD FILTERED (YES/NO)	ANALYTE	ICED YES NO		
TSS		GRAB	1000	WM HDPE			YES		
COND/PH/ALK/TURB	07/	GRAB	500	WM HDPE			NO		
TDS/TOTS	/	GRAB	500	WM HDPE			YES		
NH ₃ /NO ₃	2009	GRAB	500	WM HDPE		NONE	YES		
CL/SO ₄		GRAB	500	WM HDPE	NO	NONE	YES		
WDO		GRAB	500	GLASS	NO	MnSO ₄ / ATA	NO		
METALS, c		GRAB	500	Acid Washed HDPE	NO	NONE	YES		
METALS, d		GRAB	500	Acid Washed HDPE	YES	NONE	YES		
VOA		GRAB	400	GLASS	NO	HCL	YES		

Preserve WDO w/ PILLOW POUCHES & Place in insulated covers
LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

TURB STD USED: 5.36
METER READING: 5.7

INSTRUMENT NO.		1562	03140044	03140044	3140044	4590	1
SAMPLE	SPEC COND (umhos/cm)	pH VALUE	REDOX mV	TEMPERATURE (°C)	DISSOLVED OXYGEN (mg/L)	TURBIDITY NTU	TIME
GRAB	325	7.92	-57.4	12.5	7.59	4.15	1140

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: (4, 7, 10)

3 VTRPs TURNED IN? YES ☐ NO ☐ VTRP0907

BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETER _____

NO QC BOTTLES

CUSTODY RE

PERSONNEL
Sevin Bilir

SIGNATURE
SB

DATE/TIME
07/10/99
11:45

TOTAL NUMBER OF BOTTLES THIS SET
104A

F:\BWS2 PROJECTS 29wp05\SWU\VALF11_W_HILLSLOPEWYSAMPLING\GISampling\FIELD SHEETS\A

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

Place label here

VASHON-3 SURFACE WATER FIELD RECORD

used for Weirs SW-W4 and SW-W7

FIELD SAMPLING DATA

Station: SW-W7
Date/Time: 04/19/2010 1330
Weather: overcast, cool
Location: -60 ft S of SW-W6

SAMPLEING DATA

SAMPLE ID #	DATE	VOLUME	CONTAINER	FIELD	ICED
TYPE	TIME	METHOD	TYPE	TYPE	YES
TSS	04/19/2010	GRAB	1000	SW	YES
COND/ALK/TURB	04/19/2010	GRAB	500	SW	YES
TDS/TOTS	04/19/2010	GRAB	500	SW	YES
NH ₄ /NO ₃	04/19/2010	GRAB	500	SW	YES
CL ₂ /SO ₄	04/19/2010	GRAB	500	SW	YES
ME ₈	04/19/2010	GRAB	500	SW	YES
ME ₃	04/19/2010	GRAB	500	SW	YES
VO	04/19/2010	GRAB	500	SW	YES

FIELD WATER QUALITY PARAMETERS

TURB STD USED: 5.36
METER READING: 4.71

INSTRUMENT NO.	1562	03140044	1562	1
SAMPLE	COND	pH	TEMPERATURE	DISSOLVED OXYGEN
COND	(umhos/cm)	VALUE	(°C)	(mg/L)
GRAB	269	7.46	13.8	NM
				4.39
				1335

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10
3 VTRs TURNED IN? YES ☐ NO ☐ VTRP1008
BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS
NO OC BOTTLES

PERSONNEL: Sevin Bilir
SIGNATURE: SB
DATE/TIME: 04/19/10 1340
TOTAL NUMBER OF BOTTLES THIS SET: 40

KING COUNTY
SOLID WASTE DIVISION

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Weirs SW-W4 and SW-W7)

Station: SW-W7
Date/Time: 08/11/2010 1238
Weather: 70's, clear
Location: in stream, -60 ft S of SW-W6

SAMPLING DATA

SAMPLE ID #	DATE	VOLUME	CONTAINER	FIELD	ICED
TYPE	TIME	METHOD	TYPE	TYPE	YES
TSS	08/11/2010	GRAB	1000	SW	YES
COND/ALK/TURB	08/11/2010	GRAB	500	SW	YES
TDS/TOTS	08/11/2010	GRAB	500	SW	YES
NH ₄ /NO ₃	08/11/2010	GRAB	500	SW	YES
CL ₂ /SO ₄	08/11/2010	GRAB	500	SW	YES
ME ₈	08/11/2010	GRAB	500	SW	YES
ME ₃	08/11/2010	GRAB	500	SW	YES
VO	08/11/2010	GRAB	500	SW	YES

FIELD WATER QUALITY PARAMETERS

TURB STD USED: 5.36
METER READING: 4.82

INSTR. #	1562	03140044	03140044	SWD	1
SAMPLE	COND	pH	TEMPERATURE	DISSOLVED OXYGEN	TURBIDITY
COND	(umhos/cm)	VALUE	(°C)	(mg/L)	NTU
1	371	7.7	12.6	NM	5.48
					1240

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☐ NO ☐ BUFFERS: 4, 7, 10
3 VTRs TURNED IN? YES ☐ NO ☐ VTRP1008
BUBBLES? YES ☐ NO ☐ BUBBLE DIAMETERS
NO OC BOTTLES

PERSONNEL: Sevin Bilir
SIGNATURE: SB
DATE/TIME: 08/11/10 1245
TOTAL NUMBER OF BOTTLES THIS SET: 40

VASW-3 (45)

VASHON-3 SURFACE WATER FIELD RECORD

FIELD SAMPLING DATA (used for Weirs SW-W4 and SW-W7)

Station: SW-W7
Date/Time: 11/01/2010 1210
Weather: Rain, Windy, 50°F
Location: in stream, ~ 60 ft S of SW-W6

SAMPLING DATA

SAMPLE ID #				CONTAINER		FIELD	ICE
SAMPLE TYPE	DATE TIME	METHOD	VOLUME (ml)	TYPE	SECT	YES	YES
TSS		GRAB	100			NO	NO
COND/ALK/TURB		GRAB	100			YES	YES
TDS/TOTS	2010	GRAB	100			YES	YES
NH ₄ /NO ₃		GRAB	100			NO	NO
CL ₂ SO ₂			100			NO	NO
ME ₂ SO ₂			100	Acid washed HDPE		NO	NO
ME ₂ SO ₂			100	Acid washed HDPE	YES	NO	YES
VO		4.40		GLASS	NO	NO	YES

FIELD WATER QUALITY PARAMETERS

INSTR.	#	1562	03140044	03140044	SND	1	
		SPEC			DISSOLVED		
		COND	pH	TEMPERATURE	OXYGEN	TURBIDITY	
SAMPLE		(umhos/cm)	VALUE	(°C)	(mg/L)	NTU	TIME
1		176.3	6.5	11.0	10.87	69.1	1200

NOTES:

INSTRUMENTS CALIBRATED PRIOR TO USE? YES ☒ NO ☐ BUFFERS: 4, 7, 10

3 VTRPs TURNED IN? YES ☐ NO ☐ VTRP1008

BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL
SHUR

SIGNATURE
[Signature]

DATE/TIME
101 12/10
12:15

TOTAL NUMBER OF BOTTLES THIS SET

11

F:\BWS3\PROJECTS_2\exp045\NO VASHONA_W_HILLSLOPE\SAMPLING\sample\FIELD SHEETS\11

KING COUNTY
SOLID WASTE DIVISION

VAGW (12)

used for MW-30, -31, and -32 on West Hillslope

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: WARR30 / APJ-048 Date/Time: 01/26/10 0910
Casing Size: 2 inches Weather: overcast
Screened Interval: 5.2-10.2' below top of casing (BTOC) Location: West Hillslope
Total Depth: 10.21' BTOC (marked) Field Observations:
Pore Volume: PV=(BotScreenD-DTW-HtN) x 0.163 Stick up = 1.26" ago

$(10.2 - 5.76 = 4.44) \times 0.163 = 0.73 \text{ g/pole Vol}$ $(0.73 \text{ g} \times 3.78 \frac{\text{L}}{\text{g}}) \Rightarrow 2.7 \text{ L}$

HYDROLOGY MEASUREMENTS

DEPTH TO H ₂ O (FT)	ELEVATION	TOP PVC	TIME	DATE	METHOD USED
5.76' BToc	n/a	n/a	0930	8/26/10	WLRD sounder

WELL EVACUATION

GALLONS	PORE VOLUMES	METHOD USED	DATE	TIME
~2.1	3	Peristaltic pump	8/12/10	1058

SAMPLE ID# WMV30100126 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL)	CONTAINER TYPE	DEPTH TAKEN (FEET)	FIELD FILTERED (YES/NO)	PRR-SERVA-TYPE	ICED YES/NO
TDS	01/		✓ 900	NM HDPE	10 (270)	NO	NONE	YES
COND/ALK	216/		✓ 500	NM HDPE		NO	NONE	YES
TDS/TOTS	2010		✓ 500	NM HDPE		NO	NONE	YES
NH ₃ /NO ₃			✓ 250	NM HDPE		NO	NONE	YES
CL/SO ₄	11:15		✓ 125	NM HDPE		NO	NONE	YES
TOC			✓ 2,40	AMBER GLASS		NO	H ₂ PO ₄	YES
METALS, d			✓ 500	Acid Washed HDPE		✓ YES	NONE	YES
VOA			✓ 4,40	GLASS		NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED" ✓

FIELD WATER QUALITY PARAMETERS

INSTR. #	1502	3140044	1502	WLDR sounder	KCSWD VASHON LF
DATE <u>DATE</u>	SPRC.	10.1	10.1	DEPTH TO WATER	ID VTRP100126R
CUM. VOLUMES	COND.	pH	TEMP	(feet)	TIME
GALLS	(umhos/cm)	VALUE	DEG. C		
0	0	started pump	--	5.76	0950
2.7	1	398	6.59	9.02	1003
2.7	2	378	6.65	10.02	1024
2.7	3	370	6.72	10.02	1055
8.12	4	BEGIN SAMPLE			
	5	FINISH SAMPLE			

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ TIME: 0915 (47) BUFFERS:
VTRP_s TURNED IN? YES ☒ NO ☐ VTRP1001 26 R VTRP DATE 01/22/10
VTRP BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 3 @ 3-4mm
NO OC BOTTLES

CUSTODY RECORD:

PERSONNEL
BILK

SIGNATURE _____

DATE/TIME
01/26/10
11:45

Number of bottles in this set 12 + 3

Time it took to sample well: 2:35 hrs

F:\MS\02 PROJECTS_29\0205\0501 VASHON\1 W HILLSLOPE\W&S\NO. 29-0000-01 FLOOD DETAIL.dwg

KING COUNTY
SOLID WASTE DIVISION

VAGW (12)

used for MW-30, -31, and -32 on West Hillslope

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW#30/APJ-049 Date/Time: 4/29/10 1130
Casing Size: 2 inches Weather: overcast & sunny 50-60
Screened Interval: 5.2-10.2' below top of casing (BTOC) Location: West Hillslope
Total Depth: 10.21' BTOC (marked) Field Observations:
Pore Volume: PV = (BotScrnTD - DTW = HtW) x 0.163 Stick up = 1.24" ags

$$PV = (10.2 - 5.98) \times 0.163 = 0.69 \text{ gal/pv} \approx 2.6 \text{ l/pv}$$

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
5.98 BTOC n/a n/a 1140 4/29/10 WLRD sounder

WELL EVACUATION

GALLONS PORE VOLUMES METHOD USED DATE TIME
~3.25 ~4.4 Peristaltic pump 4/29/10 1415

SAMPLE ID # WV30100429 -

SAMPLE TYPE	DATE	METHOD	VOLUME (mL)	CONTAINER	DEPTH TAKEN (FEET)	FIELD FILTERED (YES, NO)	PRE-SERVA-TIVE	ICED
TSS	04/29/10	Peristaltic pump	1000 (500)	WM HDPE	10 BTOC	NO	NONE	YES
COND/ALK	29/10	Peristaltic pump	500 (200)	WM HDPE		NO	NONE	YES
TDS/TOTS	2010	Peristaltic pump	500 (300)	WM HDPE		NO	NONE	YES
NH ₃ /NO ₃		Peristaltic pump	250 (100)	WM HDPE		NO	NONE	YES
CL/SO ₄	14:00	Peristaltic pump	125 (100)	WM HDPE		NO	NONE	YES
TOC		Peristaltic pump	2,40 (30)	AMBER GLASS		NO	H ₂ PO ₄	YES
METALS, d		Peristaltic pump	500 (200)	id Washed HDPE		YES	NONE	YES
VOA		Peristaltic pump	1,40 (40)	GLASS		NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	WLRD sounder	DEPTH TO WATER (feet)	TIME
mL	100% SPEC. COND. (umhos/cm)	LO.1	100% TEMP. DEG. C			
0	0	started pump	--		5.98	1200
1000/1000	~0.4	310	6.72	10.4		1209
1000/2000	~.8	303	6.42	11.8		1215
1375/3375	~1.3	300	6.52	11.4	dry	1220
2130/5555	~2.1	307	6.64	11.5	dry	1255
1860/7415	~2.9	312	6.82	11.3	dry	1325
1000/8415	~3.2	314	6.67	11.4	dry	1340
					dry	1400

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME 10:45 BUFFERS: (3, 7) 10
VTRP TURNED IN? YES ☒ NO ☐ VTRP100429R VTRP DATE: 4/19/10
VTRP BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 3, 4, 3
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: Bill R SIGNATURE: [Signature] DATE/TIME: 4/29/10 14:20
Number of bottles in this set: 12 + 3 Time it took to sample well: 3 hrs

KING COUNTY
SOLID WASTE DIVISION

VAGW (12) (used for MW-30, -31, and -32 on West Hillslope)

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW#30/APJ-049 Date/Time: 8/17/10 1045
Casing Size: 2 inches Weather: clear, 80's
Screened Interval: 5.2-10.2' below top of casing (BTOC) Location: West Hillslope
Total Depth: 10.21' BTOC (marked) Checked @ 11 Field Observations:
Pore Volume: PV = (BotScrnTD - DTW = HtW) x 0.163 Stick up = 1.24" ags

$$PV = (10.21 - 6.36) \times 0.163 = 0.628 \text{ gal/pv} \approx 2.37 \text{ l/pv}$$

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
6.36 BTOC n/a n/a 11:00 8/17/10 WLRD sounder

WELL EVACUATION

GALLONS PORE VOLUMES METHOD USED DATE TIME
~2.2 ~3.5 Peristaltic pump 8/17/10 ~1400

SAMPLE ID # WV30100817 -

SAMPLE TYPE	DATE	METHOD	VOLUME (mL)	CONTAINER	DEPTH TAKEN (FEET)	FIELD FILTERED (YES, NO)	PRE-SERVA-TIVE	ICED
TSS	8/17/10	Peristaltic pump	1000 (500)	WM HDPE	10 BTOC	NO	NONE	YES
COND/ALK	17/10	Peristaltic pump	500 (200)	WM HDPE		NO	NONE	YES
TDS/TOTS	2010	Peristaltic pump	500 (300)	WM HDPE		NO	NONE	YES
NH ₃ /NO ₃		Peristaltic pump	250 (100)	WM HDPE		NO	NONE	YES
CL/SO ₄	13:00	Peristaltic pump	125 (100)	WM HDPE		NO	NONE	YES
TOC		Peristaltic pump	2,40 (30)	AMBER GLASS		NO	H ₂ PO ₄	YES
METALS, d		Peristaltic pump	500 (200)	id Washed HDPE		YES	NONE	YES
VOA		Peristaltic pump	1,40 (40)	GLASS		NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	WLRD sounder	DEPTH TO WATER (feet)	TIME
mL	100% SPEC. COND. (umhos/cm)	LO.1	100% TEMP. DEG. C			
0	0	started pump	--		6.36	1124
2400/2400	1	292	6.40	13.3	9.51	1138
1000/3400	1.4	291	6.45	13.0	dry	1145
1610/5010	2.1	287	6.40	13.3	dry	1235
~3200/8210	3.5	SAMPLE -				1300

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME 10:30 BUFFERS: (4, 7) 10
VTRP TURNED IN? YES ☒ NO ☐ VTRP100817R VTRP DATE: 8-16-10
VTRP BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: N/A
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: SKILLR SIGNATURE: [Signature] DATE/TIME: 8/17/10
Number of bottles in this set: 12 + 3 VTRP Time it took to sample well: 3.25

KING COUNTY
SOLID WASTE DIVISION

VAGW (12) (used for MW-30, -31, and -32 on West Hillslope)

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW30/APJ-049 Date/Time: 11/08/2010 1400
Casing Size: 2 inches Weather: overcast, 40°F
Screened Interval: 5.2-10.2' below top of casing (BTOC) Location: West Hillslope
Total Depth: 10.21' BTOC (marked) Field Observations:
Pore Volume: PV=(BotScrntD-DTW-HtW)x0.163 Stick up = 1.24" ags

$(10.21 - 7.78) \times 0.163 = 0.39 \text{ gal/PV} = 1.5 \text{ gal/PV}$

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
7.78 BTOC n/a n/a 1405 11/8/2010 WLRD sounder

WELL EVACUATION

GALLONS PORE VOLUMES METHOD USED DATE TIME
6.20 gals ~4.1 Peristaltic pump 11/09/2010 1030

SAMPLE ID # WV30101109 -

SAMPLE TYPE	DATE	METHOD	VOLUME (mL)	CONTAINER TYPE	DEPTH TAKEN (FEET)	FIELD FILTERED (YES/NO)	PRE-SERVE TYPE	ICED YES/NO
TSS	11/8/2010	09:20	✓ 1000 (500)	WM HDPE		NO	NONE	YES
COND/ALK			✓ 500 (200)	WM HDPE		NO	NONE	YES
TDS/TOTS			✓ 500 (300)	WM HDPE		NO	NONE	YES
NH ₄ /NO ₃			✓ 250 (100)	WM HDPE		NO	NONE	YES
CL/SO ₄			✓ 125 (100)	WM HDPE		NO	NONE	YES
TOC			✓ 2.40 (30)	AMBER GLASS		NO	H ₂ PO ₄	YES
METALS, d			✓ 500 (200)	1d Washed HDPE		✓ YES	NONE	YES
VOA			✓ 4.40 (40)	GLASS		NO	NCI	YES

✓ LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

CONTROL BOX

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	WLRD sounder
ml	SPCC COND.	PH	TEMP	DEPTH TO WATER
11/8	COND. (umhos/cm)	VALUE	DEG. C	(feet) TIME
500/500	0.3	312	5.51	11.0 1401
1000/1500	1	312	5.93	11.0 1407
1000/2500	1.7	306	6.33	11.0 dry 1411
500/3000	2	307	6.37	11.0 dry 1415
11/9	SAMPLE			

KCSWD VASHON LF

ID WV30101109.

Date 11/09/2010

0920

Sampler SB

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME: 1400 BUFFERS: (4.7) 10

VTRP TURNED IN? YES ☒ NO ☐ VTRP1008

VTRP BUBBLES? YES ☐ NO ☒

NO QC BOTTLES

BUBBLE DIAMETERS:

CUSTODY RECORD:

PERSONNEL

Blair

SIGNATURE

Blair

DATE TIME

11/08/2010 1420

Number of bottles in this set

12 ✓

Time it took to sample well:

11/09/2010 1030

~1.5 hr

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KING COUNTY
SOLID WASTE DIVISION

VAGW (12)

used for MW-30, -31, and -32 on West Hillslope

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW31/APJ-050 Date/Time: 01/28/10 1240
Casing Size: 2 inches Weather: overcast
Screened Interval: 5.2-10.2' below top of casing (BTOC) Location: West Hillslope
Total Depth: 12.245' BTOC (marked) Field Observations:
Pore Volume: PV=(BotScrntD-DTW-HtW)x0.163=2.56 gal Stick up: 25" 2.08" ags

$(12.08 - 9.91) \times 0.163 = 0.68 \text{ gal} = 2.56 \text{ gal}$

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
7.91 BTOC n/a n/a 1300 01/28/10 WLRD sounder

WELL EVACUATION

GALLONS PORE VOLUMES METHOD USED DATE TIME
9.2/2.43 ~3.6 Peristaltic pump 01/28/10 1655

SAMPLE ID # WV31100128 -

SAMPLE TYPE	DATE	METHOD	VOLUME (mL)	CONTAINER TYPE	DEPTH TAKEN (FEET)	FIELD FILTERED (YES/NO)	PRE-SERVE TYPE	ICED YES/NO
TSS	01/28/2010	09:20	✓ 1000	WM HDPE	12'	NO	NONE	YES
COND/ALK			✓ 500	WM HDPE	BTOC	NO	NONE	YES
TDS/TOTS			✓ 500	WM HDPE		NO	NONE	YES
NH ₄ /NO ₃			✓ 250	WM HDPE		NO	NONE	YES
CL/SO ₄			✓ 125	WM HDPE		NO	NONE	YES
TOC			✓ 2.40	AMBER GLASS		NO	H ₂ PO ₄	YES
METALS, d			✓ 500	Acid Washed HDPE		✓ YES	NONE	YES
VOA			✓ 4.40	GLASS		NO	NCI	YES

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	WLRD sounder
liters	SPCC COND.	PH	TEMP	DEPTH TO WATER
gals	COND. (umhos/cm)	VALUE	DEG. C	(feet) TIME
0	0	--	--	7.91 1305
25	1	215	6.45	9.3 1315
25	2	233	7.02	9.3 dry 1404
15	2	245	7.0	9.0 dry 1455
	BEGIN SAMPLE			
				1515
27	1	FINISH SAMPLE	dry	1700

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME: 1250 BUFFERS: (4.7) 10

VTRP TURNED IN? YES ☒ NO ☐ VTRP1008

VTRP BUBBLES? YES ☐ NO ☒

NO QC BOTTLES

BUBBLE DIAMETERS:

N/A

CUSTODY RECORD:

PERSONNEL

Blair

SIGNATURE

Blair

DATE/TIME

01/28/10

Number of bottles in this set

12 + 3

Time it took to sample well: ~5 hrs

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COPY

VAGW (12) (used for MW-30, -31, and -32 on West Hillslope)

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW#31 / APJ-050
Casing Size: 2 inches
Screened Interval: 7.08-12.08' below top of casing (BTC)
Total Depth: 12.27' BTC (marked)
Pore Volume: PV= (Bot Screen - DTH - H₂O) x 0.162

Date/Time: 11/9/2010 11:5
Weather: 40°F, partly cloudy
Location: West Hillslope
Field Observations:
Stick up=25"±2.08' agg

$$(12.275 - 7.78) \times 1.163 = 7.32 \text{ g/pv} = 2.76 \text{ L/pv}$$

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
7.78 BTCL n/a n/a 170 11/8/2010 WL RD sounder

WELL EVACUATION

GALLONS
~9000 mL

PORE VOLUMES
~3.2

METHOD USED
Peristaltic pump

DATE
11/8/2010

TIME
1350

SAMPLE ID # WV311011 08 -

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL) Total Min	CONTAINER TYPE	DEPTH TAKEN (FEET)	FIELD FILTERED (YES/NO)	PRE- SERVA- TION TIME	ICED YES/
TSS	8/1	Spectrophotometer change	✓ 1000 (500)	WM HDPE		NO	NONE	YES
COND/ALK	8/1		✓ 500 (200)	WM HDPE		NO	NONE	YES
TDS/TOTS	2010		✓ 500 (200)	WM HDPE		NO	NONE	YES
NH ₄ /NO ₃	12.40		✓ 250 (100)	WM HDPE		NO	NONE	YES
CL/SO ₄			✓ 125 (100)	NM HDPE		NO	NONE	YES
TOC			✓ 2.40 (30)	AMBER GLASS		NO	NONE	YES
METALS, d			✓ 500 (200)	id Washed HDPE		✓ YES	NONE	YES
VOA		✓ 4.40 (40)	GLASS		NO	NCL	YES	

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

CONTROL BOX

INSTR. #	1562	3140044	1562	WLRD sounder	KCSWD VASHON LF
mL	PORR VOLUMES	SPEC. COND.	PH VALUE	TEMP DEG. C	DEPTH TO WATER (feet)
um. mL	(umhos/cm)	started pump	--	--	TIME
0	0				1125
1000/1000	0.36	318	6.7 ✓	11.3 ✓	1130
1500/2500	0.9	279 ✓	6.75 ✓	11.3 ✓	1138
1700/4200	1.5	279 ✓	6.74 ✓	11.4 ✓	1145
1750/5550	2	283 ✓	6.86 ✓	11.2 ✓	1215
550/6100	2.2	312 ✓	6.84 ✓	11.3 ✓	1235
SAMPLE					11/08/2010

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME: _____ BUFFERS: (4.7) 10
VTRP TURNED IN? YES ☒ NO ☐ VTRP ID: 408R VTRP DATE: 11-01-2010
VTRP BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: _____
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL Blue SIGNATURE [Signature] DATE / TIME 11/8/2010 1350
Number of bottles in this set 12 +3 Time it took to sample well: ~2.4 hrs

KNSR32_PROJECTS_28sep08SYNO_VASHON1_W_HILLSLOPE1SAMP1.HQ.sampinfo.FIELDSHEET.xls

KING COUNTY
SOLID WASTE DIVISION

VAGW (12)

used for MW-30, -31, and -32 on West Hillslope

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VWVH32 / APJ-048
Casing Size: 2 inches
Screened Interval: 1022 - 22.22 ' below top of casing (BTC)
Total Depth: 22.22 ' STOC (marked)
Pore Volume: PV = (BotScreen - DTW - HCM) X 0.163

Date/Time: ~~02/11/10~~ 02/11/10 1030
Weather: overcast, rain
Location: West Hillslope
Field Observations:
Stick up=23.5°-1.95' age

$(22.22 - 21.79) = 0.43 \times 0.163 = 0.07 \text{ gal} = 0.26 \text{ l}$

HYDROLOGY MEASUREMENTS

DEPTH TO H ₂ O (FT)	ELEVATION	TOP PVC	TIME	DATE	METHOD USED
21.79 BTDC	n/a	n/a	1032	02/11/10	WLRD sounder

WELL EVACUATION

<u>GALLONS</u>	<u>PORE VOLUMES</u>	<u>METHOD USED</u>	<u>DATE</u>	<u>TIME</u>
N/A				

SAMPLE ID #		DATE		VOLUME	CONTAINER	DEPTH	FIELD	PRE-	ICED
TYPE		TIME	METHOD	(ML)	TYPE	TAKEN	FILTERED	SERVA-	YES/
						(FEET)	(YES, NO)	TIME	NO
TSS		01/		1000	WM HDPE		NO	NONE	YES
COND/ALK		/		500	WM HDPE		NO	NONE	YES
TDS/TOTS		2010		500	WM HDPE		NO	NONE	YES
NH ₃ /NO ₃				250	WM HDPE		NO	NONE	YES
CL/SO ₄				125	WM HDPE		NO	NONE	YES
TOC				2.40	BERK GLASS		NO	H ₂ PO ₄	YES
METALS, d				500	Washed HDPE		YES	NONE	YES
VOA				4.40	GLASS		NO	HCl	YES

FIELD WATER QUALITY PARAMETERS

INSTR. #	1662	3040044	1663	WARD sounder	SETTINGS
liters / gals	PORE VOLUMES	SPRC. COND. (mmhos/cm)	PH VALUE	DEPTH TO WATER (feet)	Discharge
0	0	started pump	784P	---	Refill =
1					Pressure =
2					Volume (pps) =
3					pps = per pump stroke (ml)
4					
5					

n/a
 1a

Place label here

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☐ NO ☒ TIME: _____ BUFFERS: 4.7, 10
VTRP TURNED ON? YES ☐ NO ☒ VTRP 1001 R VTRP DATE: _____
VTRP BUBBLES? YES ☐ NO ☒ BUBBLE METER: _____
NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL _____ SIGNATURE _____ DATE/TIME _____
 Number of bottles in this set _____
 1. SOURCE PROJECTS: DeepGROW, VASHOMI, HILLTOP, OPENMOUNTAIN, and Camp of KIDNEY LANE
 Time it took to sample well: N/A

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Time it took to sample well: N/A

VAGW (12)

used for MW-30, -31, and -32 on West Hillslope

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW#32 / APJ-048
Casing Size: 2 inches
Screened Interval: 12.22 - 22.22' below top of casing (BTOTC)
Total Depth: 22.22' BTOTC (marked)
Pore Volume: PV = (BotScrntD-DTW-HCW) x 0.163
Date/Time: 4/29/10 1045
Weather: 104°F cloudy, 50°F
Location: West Hillslope
Field Observations: Stick up = 23.5" = 1.95' ags
PV = (22.2 - 21.81) x 0.163 = 0.066 gal / PV = 0.258 = 250 ml / PV

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
21.81 BTOTC n/a n/a 1045 4/29/10 WLRD sounder

WELL EVACUATION

GALLONS PORE VOLUMES METHOD USED DATE TIME
0.12 ~ 2.16 Peristaltic pump 4/29/10 1455

SAMPLE ID # WV321004 29-1

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL) Total Min	CONTAINER TYPE	DEPTH TAKEN (FEET)	FIELD FILTERED (YES/NO)	PRE-SERVA-TIVE (YES/NO)	ICED YES/NO
TSS	04/		1000-500+	WM HDPE	22	NO	NONE	YES
COND/ALK	29/		500-200+	WM HDPE	BTOTC	NO	NONE	YES
TDS/TOTS	2010		500-200+	WM HDPE		NO	NONE	YES
NH ₄ /NO ₃	14:55		250-100+	WM HDPE		NO	NONE	YES
CL/SO ₄			125-100+	WM HDPE		NO	NONE	YES
TOC			2-40 (30)	AMBER GLASS		NO	H ₂ PO ₄	YES
METALS, d			500-200+	id Washed HDPE		YES	NONE	YES
VOA			2-40 (40)	GLASS		NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE FIELD FILTERED

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	WLRD sounder	SETTINGS
mL	PORE VOLUMES	COND. SPEC.	20.1	<10%	Discharge
cum. mL	COND. (umhos/cm)	pH VALUE	TEMP DEG. C	DEPTH TO WATER (feet)	Refill =
0	0	started pump	--	21.81	Pressure =
225/225	0.9	431	10.3	dry	1000
100/325	1.3	469	11.8	dry	1155
100/425	1.7	443	12.6	dry	1235
123/550	2.2	SAMPLE		dry	1350
100/650	2.6	SAMPLE		dry	1455

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME: 1045 BUFFERS: (4.7) 10
VTRPs TURNED IN? YES ☐ NO ☒ VTRP1004 VTRP DATE:

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: JBLIR
SIGNATURE: [Signature]
DATE/TIME: 4/29/10 1300
Number of bottles in this set: 5
Time it took to sample well: 4.5 hrs

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VAGW (12)

used for MW-30, -31, and -32 on West Hillslope

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW#32 / APJ-048
Casing Size: 2 inches
Screened Interval: 12.22 - 22.22' below top of casing (BTOTC)
Total Depth: 22.22' BTOTC (marked)
Pore Volume: PV = (BotScrntD-DTW-HCW) x 0.163
Date/Time: 4/30/10 0950
Weather: Overcast 50°F
Location: West Hillslope
Field Observations: Stick up = 23.5" = 1.95' ags
PV = (22.2 - 21.82) x 0.163 = 0.258 = 250 ml

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
21.82 BTOTC n/a n/a 0955 4/30/10 WLRD sounder

WELL EVACUATION

GALLONS PORE VOLUMES METHOD USED DATE TIME
0.3 ~ 4.3 Peristaltic pump 4/30/10 1320

SAMPLE ID # WV321004 29-2

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL) Total Min	CONTAINER TYPE	DEPTH TAKEN (FEET)	FIELD FILTERED (YES/NO)	PRE-SERVA-TIVE (YES/NO)	ICED YES/NO
TSS	04/		1000-500+	WM HDPE	22	NO	NONE	YES
COND/ALK	29/		500-200+	WM HDPE	BTOTC	NO	NONE	YES
TDS/TOTS	2010		500-200+	WM HDPE		NO	NONE	YES
NH ₄ /NO ₃			250-100+	WM HDPE		NO	NONE	YES
CL/SO ₄	12:00		125-100+	WM HDPE		NO	NONE	YES
TOC			2-40 (30)	AMBER GLASS		NO	H ₂ PO ₄	YES
METALS, d			500-200+	id Washed HDPE		YES	NONE	YES
VOA			2-40 (40)	GLASS		NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE FIELD FILTERED

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	WLRD sounder	SETTINGS
mL	PORE VOLUMES	COND. SPEC.	20.1	<10%	Discharge
cum. mL	COND. (umhos/cm)	pH VALUE	TEMP DEG. C	DEPTH TO WATER (feet)	Refill =
0	0	started pump	--	21.82	Pressure =
150/300	0.9	431	10.3	dry	1005
100/400	1.3	469	11.8	dry	1135
100/500	1.7	443	12.6	dry	1230
95/600	2.2	SAMPLE		dry	1320
95/600	2.6	SAMPLE		dry	1320

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME: 0955 BUFFERS: (4.7) 10
VTRPs TURNED IN? YES ☐ NO ☒ VTRP1004 VTRP DATE:

NO QC BOTTLES

CUSTODY RECORD:

PERSONNEL: BLIR
SIGNATURE: [Signature]
DATE/TIME: 4/30/10
Number of bottles in this set: 2
Time it took to sample well:

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VAGW (12) (used for MW-30, -31, and -32 on West Hillslope)

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW#32 / APJ-048 Date/Time: 8/17/10 10:50
Casing Size: 2 inches Weather: clear, 80's
Screened Interval: 12.22 - 22.22' below top of casing (BTOC) Location: West Hillslope
Total Depth: 22.22' BTOC (marked) ✓ Field Observations:
Pore Volume: PVs (BotScrnTD-DTW-HtH) x0.163 Stick up=23.5'=1.95' ago

HYDROLOGY MEASUREMENTS

HYDROLOGICAL MEASUREMENTS					
DEPTH TO H ₂ O (FT)	ELEVATION	TOP PVC	TIME	DATE	METHOD USED
10.00	n/a	n/a	1030	8/17/02	WLRD sounder

WELL EVACUATION

WELL EVACUATION GALLONS	PORE VOLUMES	METHOD USED	DATE	TIME
1	1	Peristaltic pump	8/17/10	

SAMPLE ID #		VW321008		-		DEPTH	FIELD	PRE-	ICED
SAMPLE	DATE	VOLUME (mL)	CONTAINER	TAKEN	FILTERED	SERVA-	YES/		
TYPE	TIME	Total	Min	TYPE	(FEET)	TIVE	NO		
TSS	/	1000	500	WM HDPE		NO	NONE	YES	
COND/ALK	/	500	200	WM HDPE		NO	NONE	YES	
TDS/TOTS	2010	500	300	WM HDPE		NO	NONE	YES	
NH ₃ /NO ₃		250	100	WM HDPE		NO	NONE	YES	
CL/SO ₄		125	100	NM HDPE		NO	NONE	YES	
TOC		2.40	(30)	AMBER GLASS		NO	H ₂ PO ₄	YES	
METALS, d		500	200	id Washed HDPE		YES	NONE	YES	
VOA		4.40	(40)	GLASS		NO	HCl	YES	

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

FIELD WATER QUALITY	1502	3140044	1502	WLRD sounder	ID WV321008
INSTR. #	PORE	SPEC.	TEMP	DEPTH TO	Date 08/ /2010
mL	VOLUMES	COND.	DEG. C	WATER	Sampler SB
cum. mL	(µmho/cm)	pH	VALUE	(feet)	KCSWD VASHON LF
0	0	started pump	--		ID WV321008
					Date 08/ /2010
					Sampler SB
					KCSWD VASHON LF
					ID WV321008
					Date 08/ /2010
					Sampler SB
					KCSWD VASHON LF
					ID WV321008
					Date 08/ /2010
					Sampler SB

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☐ NO ☒ TIME: _____
 VTRP's TURNED IN? YES ☐ NO ☒ VTRP1008 VTRP DATE: _____
 VTRP BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: _____
 NO QC BOTTLES

CUSTODY RECORD:

CUSTODY RECORD
 PERSONNEL SBILK
 SIGNATURE SB
 DATE / TIME 8/17/10 1040
 Number of bottles in this set X 0
 Time it took to sample well: N/A

FILE#B12 PROJECT# 2004000000 VASHONI W.HILL SLOPE SAMPLING sampling FIELD SHEETS.xls

KING COUNTY
SOLID WASTE DIVISION

VAGW (12) (used for MW-30, -31, and -32 on West Hillslope)

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VHWH32 / APJ-048 Date/Time: 11-8-2010 1050
Casing Size: 2 inches Weather: 100% partly cloudy
Screened Interval: 12.22 - 22.22' below top of casing (BTOC) Location: West Hillslope
Total Depth: 22.22' BTOC (marked) Field Observations:
Pore Volume: PV = (BotScreenTD - DTW = HtW) x 0.163 Stick up = 23.5" = 1.95' ago

$$(22.72 - 21.95) \times 1.63 = 0.04 \text{ g/PV} = 0.15 \text{ L/PV} = 150 \text{ mL/PV}$$

HYDROLOGY MEASUREMENTS

DEPTH TO H ₂ O (FT)	ELEVATION	TOP PVC	TIME	DATE	METHOD USED
29.95 BTCL	n/a	n/a	1100	11/8/2010	WLRLD sounder

WELL EVACUATION

WELL EVALUATION	PORE VOLUMES	METHOD USED	DATE	TIME
425mls	2.8	Peristaltic pump	11/8/2010	1355

SAMPLE ID #		DATE		VOLUME (mL)		CONTAINER	DEPTH TAKEN (FEET)	FILTERED (YES/NO)	PRE-SERVATIVE	ICED YES/NO
SAMPLE TYPE	TIME	METHOD	Total	Min	TYPE					
TSS	11:00		500	500	WM HDPE		22 B70c	NO	NONE	YES
COND/ALK	09:00		500	200	WM HDPE			NO	NONE	YES
TDS/3000	2010		500	300	WM HDPE			NO	NONE	YES
NH ₄ /NO ₃			500	100	WM HDPE			NO	NONE	YES
CL/SO ₄	15:00		125	100	WM HDPE OK			NO	NONE	YES
TOC			2	40	(30) AMBER GLASS			NO	H ₂ PO ₄	YES
METALS - 4			500	200	1d Washed HDPE			YES	NONE	YES
			4	10	(40) GLASS			NO	RCI	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #		1682		3140044		1582		WLRD sounder		Discharge =	
mL	PORE VOLUMES	SPEC. COND. (umhos/cm)	pH VALUE	TEMP DEG. C	DEPTH TO WATER (feet)	TIME	Refill =				
0	0	started pump	--	--	91.95	1100					
1100/1100	1.1	487	6.65	11.5	dry	1108					
100/200	1.7	444	7.53	10.6	dry	1150					
SAMPLE						1245					

1245
 KCSWD VASHON LF
 ID WV32101108 -1
 Date 11/08/2010
 Sampler SB

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME: _____ BUFFERS: (4.7) 10
VTRP₃ TURNED IN? YES ☐ NO ☒ VTRP1008 VTRP DATE: _____
VTRP BUBBLES? YES ☐ NO ☒ BUBBLE DIAMETERS: _____
NO OC BOTTLES

CUSTODY RECORD:

PERSONNEL BLUR SIGNATURE SDA DATE / TIME 11/08/2010 1355
Number of bottles in this set 12 Time it took to sample well: ~3hrs

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KING COUNTY
SOLID WASTE DIVISION

VAGW (12) (used for MW-30, -31, and -32 on West Hillslope)

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW32 / APJ-048
Casing Size: 2 inches
Screened Interval: 12.22 - 22.22' below top of casing (BTOC)
Total Depth: 22.22' BTOC (marked)
Pore Volume: PV = (BotScrnTD - DTN - HtH) x 0.163

Date/Time: 11/9/2010 1030
Weather: Rain, Overcast, 40°F
Location: West Hillslope
Field Observations: Stick up = 23.5" = 1.95' age

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
SEE PART 1 n/a n/a WLRD sounder

TOTAL WELL EVACUATION

9400000
- 855 mls
Pore Volumes: 2.7
METHOD USED: Peristaltic pump
DATE: 11/9/2010
TIME: 1400

SAMPLE ID # WV32101108-2

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL) Total Min	CONTAINER TYPE	DEPTH TAKEN (FEET)	FIELD FILTERED (YES/NO)	PRE-SERVA-TIVE	ICED YES/NO
TDS	11/9/2010	1	1000/300	MM HDPE	22.22	NO	NONE	YES
COND/ALK	11/9/2010	1	500/200	MM HDPE	22.22	NO	NONE	YES
TDS/TOTS	11/9/2010	1	500/300	MM HDPE	22.22	NO	NONE	YES
NH ₃ /NO ₃	11/9/2010	1	250/100	MM HDPE	22.22	NO	NONE	YES
Cl ⁻ /SO ₄ ²⁻	11/9/2010	1	125/100	MM HDPE	22.22	NO	NONE	YES
TOC	11/9/2010	1	2.40 (30)	AMBER GLASS	22.22	NO	H ₂ PO ₄	YES
METALS, d	11/9/2010	1	500/200	1d Washed HDPE	22.22	NO	NONE	YES
VOA	11/9/2010	1	4.40 (40)	GLASS	22.22	NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	WLRD sounder	CONTROL BOX
mL	PORE VOLUMES	SPEC. COND. (umhos/cm)	pH VALUE	TEMP DEG. C	DEPTH TO WATER (feet)
11/9/2010 9:42	0	started pump	--	--	11/9/2010 1300
11/9/2010 230/230/55	0	SAMPLE	--	--	dry 1100
200/855	0	SAMPLE	--	--	dry 1300

KCSWD VASHON LF

ID VTRP101109T

Sampler SB

KCSWD VASHON LF

ID WV32101108-2

Date 11/09/2010

Sampler SB

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME: BUFFERS: 4.7, 10
VTRP TURNED IN? YES ☒ NO ☐ VTRP DATE: 11-1-2010
VTRP BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 3mm

CUSTODY RECORD:

PERSONNEL

SIGNATURE

DATE / TIME

Number of bottles in this set

Time it took to sample well: 4 hrs
(total = 7 hrs)
30 FAR

KCSWD_PROJECTS_TRANSPARENCY_VASHON_HILLSLOPE_SAMPLING_FIELDSHOTS

KING COUNTY
SOLID WASTE DIVISION

VAGW (12) (used for MW-30, -31, and -32 on West Hillslope)

VASHON GROUNDWATER SAMPLING FIELD RECORD

FIELD SAMPLING DATA

Well: VMW32 / APJ-048
Casing Size: 2 inches
Screened Interval: 12.22 - 22.22' below top of casing (BTOC)
Total Depth: 22.22' BTOC (marked)
Pore Volume: PV = (BotScrnTD - DTN - HtH) x 0.163

Date/Time: 11/16/2010 1030
Weather: Partly Cloudy, 50°F
Location: West Hillslope
Field Observations: Stick up = 23.5" = 1.95' age

HYDROLOGY MEASUREMENTS

DEPTH TO H₂O (FT) ELEVATION TOP PVC TIME DATE METHOD USED
SEE PART 1 n/a n/a WLRD sounder

WELL EVACUATION

9400000
- 855 mls
Pore Volumes: 2.7
METHOD USED: Peristaltic pump
DATE: 11/16/2010
TIME: 1230

SAMPLE ID # WV32101108-3

SAMPLE TYPE	DATE TIME	METHOD	VOLUME (mL) Total Min	CONTAINER TYPE	DEPTH TAKEN (FEET)	FIELD FILTERED (YES/NO)	PRE-SERVA-TIVE	ICED YES/NO
TDS	11/16/2010	1	1000/300	MM HDPE	22.22	NO	NONE	YES
COND/ALK	11/16/2010	1	500/200	MM HDPE	22.22	NO	NONE	YES
TDS/TOTS	11/16/2010	1	500/300	MM HDPE	22.22	NO	NONE	YES
NH ₃ /NO ₃	11/16/2010	1	250/100	MM HDPE	22.22	NO	NONE	YES
Cl ⁻ /SO ₄ ²⁻	11/16/2010	1	125/100	MM HDPE	22.22	NO	NONE	YES
TOC	11/16/2010	1	2.40 (30)	AMBER GLASS	22.22	NO	H ₂ PO ₄	YES
METALS, d	11/16/2010	1	500/200	1d Washed HDPE	22.22	NO	NONE	YES
VOA	11/16/2010	1	4.40 (40)	GLASS	22.22	NO	HCl	YES

LABEL THE DISSOLVED METALS BOTTLE "FIELD FILTERED"

FIELD WATER QUALITY PARAMETERS

INSTR. #	1562	3140044	1562	WLRD sounder	CONTROL BOX
mL	PORE VOLUMES	SPEC. COND. (umhos/cm)	pH VALUE	TEMP DEG. C	DEPTH TO WATER (feet)
11/9/2010 9:42	0	started pump	--	--	11/9/2010 1300
11/16/2010 80/1135	0	SAMPLE	--	--	dry 1300
95/1230	0	SAMPLE	--	--	dry 1040
80/1135	0	SAMPLE	--	--	dry 1120
95/1230	0	SAMPLE	--	--	dry 1230

CONTROL BOX

SETTINGS

Discharge

Refill

Pressure

Volume

per pump stroke (mL)

2

11/16/2010 1030

11/16/2010 1030

11/16/2010 1030

11/16/2010 1030

11/16/2010 1030

11/16/2010 1030

11/16/2010 1030

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11/16/2010 1030

11/16/2010 1030

11/16/2010 1030

11/16/2010 1030

NOTES: INSTRUMENTS CALIBRATED TODAY PRIOR TO USE? YES ☒ NO ☐ TIME: BUFFERS: 4.7, 10
VTRP TURNED IN? YES ☒ NO ☐ VTRP DATE: 11-1-2010
VTRP BUBBLES? YES ☒ NO ☐ BUBBLE DIAMETERS: 3mm

CUSTODY RECORD:

PERSONNEL

SIGNATURE

DATE / TIME

Number of bottles in this set

Time it took to sample well: 2 hrs
(total = 9 hrs)
30 FAR

KCSWD_PROJECTS_TRANSPARENCY_VASHON_HILLSLOPE_SAMPLING_FIELDSHOTS

