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Data Report: Conventional Water Chemistry for 2005 Storm Events in Support of the Storm Water Studies in Sinclair and Dyes Inlet, Washington

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Prepared for the
Puget Sound Naval Shipyard and
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Pacific Northwest National Laboratory
Richland, Washington

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ABSTRACT

Sinclair Inlet and Dyes Inlet were listed on the State of Washington's 1998 Section 303(d) list of impaired waters because of fecal coliform contamination in marine waters and tributary streams, heavy metals and toxic organics in the bottom sediments, and polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCBs), aldrin, dieldrin, mercury (Hg), and arsenic (As) in the tissues of marine organisms. A cooperative watershed agreement for the inlets was established among the Puget Sound Naval Shipyard (PSNS) and Intermediate Maintenance Facility (IMF); the Environmental Protection Agency (EPA); the Washington State Department of Ecology (Ecology); and other technical stakeholders. The ENVironmental inVESTment group (ENVVEST) was formed to assist regulatory agencies in developing total maximum daily loads (TMDL) and to assess ecological risk within the watershed. ENVVEST identified contaminant loading during storm events as a data gap for the inlets. The 2005 storm water sampling program collected flow and water quality data from selected marine locations, representative streams, storm water outfalls, storm water drainages, and waste water treatment outfalls discharging in the Sinclair and Dyes Inlet watershed during seven winter/spring storm events. Storm event mean samples were analyzed for conventional water quality parameters, metals, and organic contaminants. The 2005 storm water data were reported in a series of three reports: conventional parameters, metals chemistry, and organic contaminants. This report summarizes the 2005 conventional water quality data and quality control sample information.

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OVERVIEW

The Sinclair/Dyes Inlets watershed is located within Kitsap County, Washington. The boundaries of the watershed include the receiving waters of Sinclair and Dyes Inlets, which are connected to the main basin of Puget Sound through two passages. Sinclair Inlet and Dyes Inlets were listed on the State of Washington's 1998 Section 303(d) list of impaired waters because of fecal coliform contamination in marine waters and tributary streams, heavy metals and toxic organics in the bottom sediments, and polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyl (PCBs), aldrin, dieldrin, mercury (Hg), and arsenic (As) in the tissues of marine organisms (Ecology 1998). A cooperative watershed agreement for the inlets was established among the Puget Sound Naval Shipyard (PSNS) and Intermediate Maintenance Facility (IMF); the Environmental Protection Agency (EPA); the Washington State Department of Ecology (Ecology); and other technical stakeholders. These cooperative agreements led to the development of an ENVironmental inVESTment project known as Project ENVVEST. The focus of Project ENVVEST is to assist regulatory agencies in developing total maximum daily loads (TMDL) and assessing ecological risk within the watershed. Project ENVVEST will provide regulatory agencies with data that will help them understand and address sources of pollution coming into the inlets.

One task within the ENVVEST program was the 2005 Storm Event Sampling in the Sinclair and Dyes Inlet Watershed. The objectives of this project were to obtain data to support total loading and modeling analysis of contaminants discharged into Sinclair and Dyes Inlets, to develop preliminary data on contaminant levels in nonpoint source runoff in Gorst to evaluate the potential for developing restoration alternatives, and to assess the impact of storm event runoff on the water quality of the inlets. The data obtained from these sampling efforts will be used to elucidate the interconnection of water quality and watershed hydrology, land use, and land cover. The project focused on collecting flow and water quality data from representative streams, storm water outfalls, storm water drainages, and waste water treatment outfalls discharging in the Sinclair and Dyes Inlet watershed during storm events in winter/spring 2005. Storm water was collected from three regions within the watershed: 1) Gorst (head of Sinclair Inlet), 2) Sinclair Inlet, and

3) Dyes Inlet. In addition to storm water, ambient marine samples were collected following each storm event to assess the impact of storm event runoff on ambient water quality in the inlets.

Storm event sampling was conducted by The Environmental Company (TEC) and PSNS. Samples were collected from qualifying storm events, which were defined as storms resulting in more than 0.25 inches of rain within a 24-hour period, following a discernable period of no rainfall. Storm water samples were collected throughout the storm event using either a portable Isco autosampler (ISCO) programmed to create 3-4-hour composites or discrete grab samples collected at the beginning, middle, and end of each storm. Immediately following the storm event, data from each of the flow monitors were downloaded and processed to produce the storm hydrograph for selected stations. The storm hydrographs along with physical data (temperature, salinity, turbidity and pH) were used to develop a *post-hoc* compositing scheme to best represent storm water flow and to eliminate periods of tidal intrusion and low-to-no flow for each event-mean composite sample. Samples and data were collected for the following regions and storm events:

1. Gorst: 17-18 January 2005
2. Gorst: 22 January 2005
3. Sinclair: 28 February to 1 March 2005
4. Sinclair: 19-20 March 2005
5. Dyes: 26 March, 2005
6. Dyes: 31 March to 1 April 2005
7. Bainbridge Island: 10-11 April 2005.

Samples were composited at Battelle Marine Sciences Laboratory and analyzed for conventional water chemistry parameters, nutrients, metals, and toxic organics to obtain storm event mean concentrations of contaminants. This report summarizes the conventional water chemistry and nutrient data for the 2005 storm water samples. The list of possible water chemistry parameters includes: alkalinity, hardness, total solids (TS), total suspended solids (TSS), total organic carbon (TOC), dissolved organic carbon (DOC), ammonia as nitrogen, nitrate plus nitrite, total nitrogen, and total phosphorus.

For additional project information see the following documents:

- Storm Event Sampling in the Sinclair and Dyes Inlet Watershed: FY2005 Quality Assurance Project Plan – PSNS Project ENVVEST Study Area (TEC 2004a).
- Sampling and Analysis Plan for In-Stream and Storm Water Chemical and Flow Characteristics – PSNS Project ENVVEST Study Area (TEC 2004b).
- Health and Safety Plan for Sampling and Analysis of In-Stream and Storm Water Chemical and Flow Characteristics – PSNS Project ENVVEST Study Area (TEC 2004c).
- Gorst Storm Event 1: Field Sampling Report for the storm on 17-18 January 2005 (TEC 2005a).
- Gorst Storm Event 2: Field Sampling Report for the storm on 22 January 2005 (TEC 2005b).
- Sinclair Storm Event 1: Field Sampling Report for the storm on 28 February – 1 March 2005 (TEC 2005c).
- Sinclair Storm Event 2: Field Sampling Report for the storm on 19-20 March 2005 (TEC 2005d).
- Dyes Storm Event 1: Field Sampling Report for the storm on 26 March 2005 (TEC 2005e).
- Dyes Storm Event 2: Field Sampling Report for the storm on 31 March- 1 April 2005 (TEC 2005f).
- Springbrook Creek Sampling Event: Field Sampling Report for the storm on 10-11 April 2005 (TEC 2005g).

Field Data Summary: 2005 Storm Water Conventionals

- Alkalinity, Total as CaCO3
- Hardness as CaCO3
- Ammonia as Nitrogen
- Nitrate + Nitrite as Nitrogen
- Nitrogen, TKN
- Phosphorus, Total
- DOC
- TOC
- TS
- TSS

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
Alkalinity, Total as CaCO3													
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**188**	=	1	2
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**16**	=	1	2
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**8**	=	1	2
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**44**	=	1	2
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**46**	=	1	2
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**38**	=	1	2
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**31**	=	1	2
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**42**	=	1	2
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**8**	=	1	2
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	8-Apr	310.1	Alkalinity, Total as CaCO3	**22**	=	1	2
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	15-Apr	310.1	Alkalinity, Total as CaCO3	**44**	=	2	1
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**25**	=, X	2	1
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**16**	=, X	2	1
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**40**	=, X	2	1
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**48**	=, X	2	1
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**48**	=, X	2	1
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**48**	=, X	2	1
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**32**	=, X	2	1
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**24**	=, X	2	1
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**8**	=, X	2	1
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**32**	=, X	2	1
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	10-May	310.1	Alkalinity, Total as CaCO3	**176**	=, X	2	1
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**40**	=	2	1
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**60**	=	2	1
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**65**	=	2	1
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**67**	=	2	1
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**31**	=	2	1
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**88**	=	2	1
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**57**	=	2	1
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**56**	=	2	1
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**49**	=	2	1
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**34**	=	2	1
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**62**	=	2	1
G1221	KAR-WWTP	Sinclair	Baseflow 05	K2502392-024	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**195**	=	2	1
G1209	B-WWTP	Sinclair	Baseflow 05	K2502392-025	30-Mar	5-Apr	9-Apr	310.1	Alkalinity, Total as CaCO3	**160**	=	2	1
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**23**	=	1	2
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**41**	=	1	2
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**33**	=	1	2
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**26**	=	1	2
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**23**	=	1	2
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**40**	=	1	2
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**14**	=	1	2
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**28**	=	1	2
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	27-Jan	310.1	Alkalinity, Total as CaCO3	**148**	=	1	2

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	29-Jan	310.1	Alkalinity, Total as CaCO3	**188**	=	1	2
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	29-Jan	310.1	Alkalinity, Total as CaCO3	**49**	=	1	2
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	29-Jan	310.1	Alkalinity, Total as CaCO3	**48**	=	1	2
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	29-Jan	310.1	Alkalinity, Total as CaCO3	**40**	=	1	2
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	2-Feb	310.1	Alkalinity, Total as CaCO3	**46**	=	1	2
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	2-Feb	310.1	Alkalinity, Total as CaCO3	**46**	=	1	2
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	2-Feb	310.1	Alkalinity, Total as CaCO3	**32**	=	1	2
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	2-Feb	310.1	Alkalinity, Total as CaCO3	**30**	=	1	2
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**43**	=	1	2
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**58**	=	1	2
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**18**	=	1	2
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**18**	=	1	2
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**22**	=	1	2
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**56**	=	1	2
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**22**	=	1	2
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**173**	=	1	2
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	14-Mar	310.1	Alkalinity, Total as CaCO3	**191**	=	1	2
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**40**	=	1	2
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**54**	=	1	2
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**11**	=	1	2
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**11**	=	1	2
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**21**	=	1	2
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**50**	=	1	2
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**44**	=	1	2
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**242**	=	1	2
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	2-Apr	310.1	Alkalinity, Total as CaCO3	**22**	=	1	2
Hardness as CaCO3													
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**46**	=	2	0.6
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**23**	=	2	0.6
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**54**	=	2	0.6
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**67**	=	2	0.6
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**60**	=	2	0.6
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**54**	=	2	0.6
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**34**	=	2	0.6
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**28**	=	2	0.6
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	8-Apr	130.2	Hardness as CaCO3	**16**	=	2	0.6
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**32**	=	2	0.6
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	8-Apr	130.2	Hardness as CaCO3	**72**	=	2	0.6
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**45**	=	2	0.6
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**64**	=	2	0.6
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**69**	=	2	0.6
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**87**	=	2	0.6
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**29**	=	2	0.6
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**95**	=	2	0.6

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**67**	=	2	0.6
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**59**	=	2	0.6
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**50**	=	2	0.6
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**37**	=	2	0.6
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**69**	=	2	0.6
G1221	KAR-WWTP	Sinclair	Baseflow 05	K2502392-024	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**72**	=	2	0.6
G1209	B-WWTP	Sinclair	Baseflow 05	K2502392-025	30-Mar	5-Apr	8-Apr	130.2	Hardness as CaCO3	**267**	=	2	0.6
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**38**	=	0.6	2
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**44**	=	0.6	2
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**38**	=	0.6	2
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**32**	=	0.6	2
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**44**	=	0.6	2
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**35**	=	0.6	2
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**22**	=	0.6	2
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**32**	=	0.6	2
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	28-Jan	130.2	Hardness as CaCO3	**76**	=	0.6	2
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**50**	=	0.6	2
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**63**	=	0.6	2
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**17**	=	0.6	2
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**19**	=	0.6	2
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**383**	=	0.6	2
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**2230**	=	0.6	2
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**174**	=	0.6	2
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**68**	=	0.6	2
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	29-Mar	130.2	Hardness as CaCO3	**24**	=	0.6	2
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	8-Apr	130.2	Hardness as CaCO3	**68**	=	0.6	2
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**28**	=	0.6	2
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**14**	=	0.6	2
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**57**	=	0.6	2
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**58**	=	0.6	2
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**52**	=	0.6	2
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**39**	=	0.6	2
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**45**	=	0.6	2
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**22**	=	0.6	2
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	8-Apr	130.2	Hardness as CaCO3	**24**	=	0.6	2
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	20-Apr	130.2	Hardness as CaCO3	**49**	=	2	0.6
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	**74**	=	0.6	2
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	**58**	=	0.6	2
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	**50**	=	0.6	2
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	**42**	=	0.6	2
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	**56**	=	0.6	2
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	**45**	=	0.6	2
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	**37**	=	0.6	2
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	28-Jan	130.2	Hardness as CaCO3	**34**	=	0.6	2
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	**42**	=	0.6	2

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	**65**	=	0.6	2
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	**38**	=	0.6	2
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	**28**	=	0.6	2
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	**29**	=	0.6	2
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	**2060**	=	0.6	2
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	11-Mar	130.2	Hardness as CaCO3	**31**	=	0.6	2
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	11-Mar	130.2	Hardness as CaCO3	**339**	=	0.6	2
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	11-Mar	130.2	Hardness as CaCO3	**71**	=	0.6	2
Ammonia as Nitrogen													
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.04**	=	0.004	0.01
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	8-Apr	350.1	Ammonia as Nitrogen	**24.9**	=	0.1	0.3
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.06**	=	0.004	0.01
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.004	0.01
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.004	0.01
T1307	B-ST01	Dyes	Storm 1	K2502197-007	26-Mar	29-Mar	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	19-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.01	0.004
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.06**	=	0.01	0.004
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.01	0.004
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.04**	=	0.01	0.004
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.01	0.004
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.01	0.004
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.01	0.004
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.006**	=, J	0.01	0.004
T1315	B-ST01	Dyes	Storm 2	K2502392-008	2-Apr	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.01	0.004
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	8-Apr	350.1	Ammonia as Nitrogen	**18.4**	=	1.3	0.5
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.01	0.004
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.01	0.004
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.01	0.004
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.01	0.004
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.004**	=, J	0.01	0.004
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.06**	=	0.01	0.004
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.03**	=	0.01	0.004
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.01**	=	0.01	0.004
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.04**	=	0.01	0.004
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.02**	=	0.01	0.004
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	350.1	Ammonia as Nitrogen	**0.005**	=, J	0.01	0.004
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	8-Apr	350.1	Ammonia as Nitrogen	**28.0**	=	1.3	0.5
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	8-Apr	350.1	Ammonia as Nitrogen	**21.4**	=	1.3	0.5
M4104	M4	Marine 1	ENV200501	K2501082-020	9-Feb	11-Feb	17-Feb	350.1	Ammonia as Nitrogen	**0.10**	=	0.004	0.01

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Columbia Analytical Services
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Conventionals in Water, Field Sample Results
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Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
M4108	M3.1	Marine 1	ENV200501	K2501082-025	9-Feb	11-Feb	17-Feb	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
M4109	M6	Marine 1	ENV200501	K2501082-031	9-Feb	11-Feb	17-Feb	350.1	Ammonia as Nitrogen	**0.02**	=	0.004	0.01
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.05**	=	0.004	0.01
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.05**	=	0.004	0.01
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.04**	=	0.004	0.01
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.02**	=	0.004	0.01
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.01**	=	0.004	0.01
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.04**	=	0.004	0.01
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.04**	=	0.004	0.01
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.01**	=	0.004	0.01
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	31-Jan	350.1	Ammonia as Nitrogen	**20.3**	=	0.32	0.8
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	**26.5**	=	0.32	0.8
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.02**	=	0.004	0.01
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.04**	=	0.004	0.01
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.04**	=	0.004	0.01
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	31-Jan	350.1	Ammonia as Nitrogen	**0.009**	=, J	0.004	0.01
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**ND**	ND	0.004	0.01
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**0.005**	=, J	0.004	0.01
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.04**	=	0.004	0.01
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.04**	=	0.004	0.01
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**0.01**	=	0.004	0.01
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**0.007**	=, J	0.004	0.01
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**0.23**	=	0.004	0.01
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**0.26**	=	0.004	0.01
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**0.29**	=	0.004	0.01
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**1.08**	=	0.016	0.04
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**0.84**	=	0.016	0.04
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**29.8**	=	0.4	1.0
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	10-Mar	350.1	Ammonia as Nitrogen	**27.1**	=	0.4	1.0
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.03**	=	0.004	0.01
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.02**	=	0.004	0.01
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.15**	=	0.004	0.01
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.15**	=	0.004	0.01
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.06**	=	0.004	0.01
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.82**	=	0.016	0.04
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**1.88**	=	0.04	0.05
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**36.8**	=	0.4	1.0
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	24-Mar	350.1	Ammonia as Nitrogen	**0.05**	=	0.004	0.01
Nitrate+Nitrite as Nitrogen													
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.27**	=	0.01	0.05

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.29**	=	0.01	0.05
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.29**	=	0.01	0.05
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.09**	=	0.01	0.05
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.36**	=	0.01	0.05
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.18**	=	0.01	0.05
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.80**	=	0.01	0.05
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.52**	=	0.01	0.05
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.73**	=	0.01	0.05
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.36**	=	0.01	0.05
T1307	B-ST01	Dyes	Storm 1	K2502197-007	26-Mar	29-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.43**	=	0.01	0.05
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.42**	=	0.05	0.01
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.27**	=	0.05	0.01
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.45**	=	0.05	0.01
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.53**	=	0.05	0.01
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.72**	=	0.05	0.01
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.44**	=	0.05	0.01
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.57**	=	0.05	0.01
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.27**	=	0.05	0.01
T1315	B-ST01	Dyes	Storm 2	K2502392-008	2-Apr	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.41**	=	0.05	0.01
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.45**	=	0.05	0.01
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.66**	=	0.05	0.01
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**1.00**	=	0.05	0.01
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.64**	=	0.05	0.01
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.83**	=	0.05	0.01
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.29**	=	0.05	0.01
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.67**	=	0.05	0.01
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**1.64**	=	0.05	0.01
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.80**	=	0.05	0.01
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.56**	=	0.05	0.01
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.47**	=	0.05	0.01
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**1.73**	=	0.05	0.01
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.08**	=	0.05	0.01
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.80**	=	0.05	0.01
M4104	M4	Marine 1	ENV200501	K2501082-020	9-Feb	11-Feb	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	**0.38**	=	0.01	0.05
M4108	M3.1	Marine 1	ENV200501	K2501082-025	9-Feb	11-Feb	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	**0.39**	=	0.01	0.05
M4109	M6	Marine 1	ENV200501	K2501082-031	9-Feb	11-Feb	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	**0.37**	=	0.01	0.05
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**1.51**	=	0.01	0.05
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.89**	=	0.01	0.05
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.76**	=	0.01	0.05
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.87**	=	0.01	0.05
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.56**	=	0.01	0.05
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**1.17**	=	0.01	0.05
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.66**	=	0.01	0.05
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.84**	=	0.01	0.05
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.24**	=	0.01	0.05

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Columbia Analytical Services
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Conventionals in Water, Field Sample Results
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Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.04**	=, J	0.01	0.05
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**1.42**	=	0.01	0.05
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.63**	=	0.01	0.05
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.62**	=	0.01	0.05
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.52**	=	0.01	0.05
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**1.04**	=	0.01	0.05
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.89**	=	0.01	0.05
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	**0.45**	=	0.01	0.05
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.37**	=	0.01	0.05
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.34**	=	0.01	0.05
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.31**	=	0.01	0.05
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.32**	=	0.01	0.05
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.30**	=	0.01	0.05
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.42**	=	0.01	0.05
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**1.57**	=	0.01	0.05
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.20**	=	0.01	0.05
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.20**	=	0.01	0.05
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.22**	=	0.01	0.05
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**1.41**	=	0.01	0.05
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.29**	=	0.01	0.05
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.11**	=	0.01	0.05
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	**0.06**	=	0.01	0.05
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.41**	=	0.01	0.05
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**1.30**	=	0.01	0.05
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.15**	=	0.01	0.05
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.16**	=	0.01	0.05
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.18**	=	0.01	0.05
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**1.04**	=	0.01	0.05
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.31**	=	0.01	0.05
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.53**	=	0.01	0.05
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	**0.46**	=	0.01	0.05
Nitrogen, Total Kjeldahl (TKN)													
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.2**	=	0.07	0.1
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	4-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.2**	=	0.07	0.1
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.9**	=	0.07	0.1
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**23.5**	=	0.07	0.1
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.2**	=	0.07	0.1
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.0**	=	0.07	0.1
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.07	0.1
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.07	0.1
T1307	B-ST01	Dyes	Storm 1	K2502197-007	26-Mar	29-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.8**	=	0.07	0.1
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	21-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.8**	=	0.1	0.07

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Columbia Analytical Services
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Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.1	0.07
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.5**	=	0.1	0.07
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.1	0.07
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.8**	=	0.1	0.07
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.5**	=	0.1	0.07
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.1	0.07
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.1	0.07
T1315	B-ST01	Dyes	Storm 2	K2502392-008	2-Apr	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.4**	=	0.1	0.07
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**31.1**	=	0.1	0.07
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.4**	=	0.1	0.07
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.1	0.07
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.1	0.07
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.1	0.07
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.1	0.07
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.2**	=	0.1	0.07
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.5**	=	0.1	0.07
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.1	0.07
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.1	0.07
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**2.7**	=	0.1	0.07
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.5**	=	0.1	0.07
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**35.3**	=	0.1	0.07
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**23.1**	=	0.1	0.07
M4104	M4	Marine 1	ENV200501	K2501082-020	9-Feb	11-Feb	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1
M4108	M3.1	Marine 1	ENV200501	K2501082-025	9-Feb	11-Feb	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.2**	=	0.07	0.1
M4109	M6	Marine 1	ENV200501	K2501082-031	9-Feb	11-Feb	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.4**	=	0.07	0.1
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.6**	=	0.07	0.1
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.1**	=	0.07	0.1
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.8**	=	0.07	0.1
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.1**	=	0.07	0.1
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.9**	=	0.07	0.1
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.8**	=	0.07	0.1
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	**28.3**	=	0.07	0.1
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**36.8**	=	1.8	3.0
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.07	0.1
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.07	0.1
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.4**	=	0.07	0.1
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.07	0.1
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.8**	=	0.07	0.1
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.07	0.1
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.3**	=	0.07	0.1
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.5**	=	0.07	0.1
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.07	0.1
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**2.4**	=	0.07	0.1
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.07	0.1
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**ND**	ND	0.07	0.1
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.5**	=	0.07	0.1
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.8**	=	0.07	0.1
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.1**	=	0.07	0.1
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**3.5**	=	0.07	0.1
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**2.6**	=	0.07	0.1
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**25.6**	=	0.07	0.1
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	**27.8**	=	0.07	0.1
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.7**	=	0.07	0.1
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**1.2**	=	0.07	0.1
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.7**	=	0.07	0.1
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.9**	=	0.07	0.1
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**2.4**	=	0.07	0.1
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**11.0**	=	0.07	0.1
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**43.5**	=	0.07	0.1
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	**0.6**	=	0.07	0.1
Phosphorus, Total													
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	4-Apr	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	4-Apr	365.3	Phosphorus, Total	**0.07**	=	0.005	0.01
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	4-Apr	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	4-Apr	365.3	Phosphorus, Total	**2.43**	=	0.025	0.05
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	**0.11**	=	0.005	0.01
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	**0.07**	=	0.005	0.01
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	**0.17**	=	0.005	0.01
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	**0.10**	=	0.005	0.01
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	**0.09**	=	0.005	0.01
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	**0.06**	=	0.005	0.01
T1307	B-ST01	Dyes	Storm 1	K2502197-007	26-Mar	29-Mar	30-Mar	365.3	Phosphorus, Total	**0.09**	=	0.005	0.01
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	19-Apr	365.3	Phosphorus, Total	**0.10**	=	0.01	0.005
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.07**	=	0.01	0.005
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.05**	=	0.01	0.005
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.09**	=	0.01	0.005
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.16**	=	0.01	0.005
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.08**	=	0.01	0.005
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.07**	=	0.01	0.005
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.03**	=	0.01	0.005
T1315	B-ST01	Dyes	Storm 2	K2502392-008	2-Apr	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.09**	=	0.01	0.005
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	6-Apr	365.3	Phosphorus, Total	**4.5**	=	0.1	0.05
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.05**	=	0.01	0.005
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.04**	=	0.01	0.005

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.04**	=	0.01	0.005
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.03**	=	0.01	0.005
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.02**	=	0.01	0.005
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.07**	=	0.01	0.005
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.26**	=	0.01	0.005
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.06**	=	0.01	0.005
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.03**	=	0.01	0.005
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.05**	=	0.01	0.005
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**0.03**	=	0.01	0.005
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**4.0**	=	0.1	0.05
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	6-Apr	365.3	Phosphorus, Total	**2.01**	=	0.05	0.025
M4104	M4	Marine 1	ENV200501	K2501082-020	9-Feb	11-Feb	14-Feb	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
M4108	M3.1	Marine 1	ENV200501	K2501082-025	9-Feb	11-Feb	14-Feb	365.3	Phosphorus, Total	**0.07**	=	0.005	0.01
M4109	M6	Marine 1	ENV200501	K2501082-031	9-Feb	11-Feb	14-Feb	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**0.24**	=	0.005	0.01
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**0.11**	=	0.01	0.01
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**0.09**	=	0.01	0.01
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**0.09**	=	0.005	0.01
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**0.15**	=	0.005	0.01
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**0.25**	=	0.005	0.01
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**0.13**	=	0.005	0.01
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**0.10**	=	0.005	0.01
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	26-Jan	365.3	Phosphorus, Total	**4.3**	=	0.05	0.1
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	**3.8**	=	0.05	0.1
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	**0.03**	=	0.005	0.01
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	**0.03**	=	0.005	0.01
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	**0.02**	=	0.005	0.01
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	**0.04**	=	0.005	0.01
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	**0.06**	=	0.005	0.01
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	**0.04**	=	0.005	0.01
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	27-Jan	365.3	Phosphorus, Total	**0.03**	=	0.005	0.01
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	7-Mar	365.3	Phosphorus, Total	**0.09**	=	0.005	0.01
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	7-Mar	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	**0.05**	=	0.005	0.01
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	**0.20**	=	0.005	0.01
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	**0.15**	=	0.005	0.01
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	**0.24**	=	0.005	0.01
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	**1.32**	=	0.025	0.05
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	7-Mar	365.3	Phosphorus, Total	**0.36**	=	0.005	0.01
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	7-Mar	365.3	Phosphorus, Total	**1.52**	=	0.025	0.05
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	7-Mar	365.3	Phosphorus, Total	**1.57**	=	0.025	0.05

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Columbia Analytical Services
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Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.08**	=	0.005	0.01
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.18**	=	0.005	0.01
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.15**	=	0.005	0.01
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.13**	=	0.005	0.01
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.12**	=	0.005	0.01
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.89**	=	0.01	0.02
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.90**	=	0.01	0.02
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**4.3**	=	0.05	0.1
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	29-Mar	365.3	Phosphorus, Total	**0.07**	=	0.005	0.01
Carbon, Dissolved Organic (DOC)													
M4250	P3	Marine 4	ENV200504	K2502263-001	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.3**	=	0.2	0.5
M4251	P2	Marine 4	ENV200504	K2502263-002	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.4**	=	0.2	0.5
M4252	P1	Marine 4	ENV200504	K2502263-003	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4254	M3.3	Marine 4	ENV200504	K2502263-005	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4255	SN12	Marine 4	ENV200504	K2502263-006	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4256	BJ-EST	Marine 4	ENV200504	K2502263-007	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.7**	=	0.2	0.5
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4259	M6	Marine 4	ENV200504	K2502263-010	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4260	DY01	Marine 4	ENV200504	K2502263-011	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4262	PL10	Marine 4	ENV200504	K2502263-012	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.2**	=	0.2	0.5
M4263	PL11	Marine 4	ENV200504	K2502263-013	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4264	PL12	Marine 4	ENV200504	K2502263-014	28-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	**10.4**	=	0.2	0.5
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**6.3**	=	0.1	0.5
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**2.4**	=	0.1	0.5
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**10.2**	=	0.1	0.5
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**9.2**	=	0.1	0.5
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**10.5**	=	0.1	0.5
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**3.3**	=	0.1	0.5
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**11.4**	=	0.1	0.5
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**3.1**	=	0.1	0.5
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	**6.5**	=	0.1	0.5
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	**10.3**	=	0.25	0.1
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**5.3**	=	0.25	0.1
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**2.1**	=	0.25	0.1
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**11.3**	=	0.25	0.1
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**9.5**	=	0.25	0.1
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**9.3**	=	0.25	0.1
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**7.5**	=	0.25	0.1
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**2.9**	=	0.25	0.1
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**12.0**	=	0.25	0.1
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**2.8**	=	0.25	0.1

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**6.4**	=	0.25	0.1
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**11.3**	=	0.25	0.1
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**9.3**	=	0.25	0.1
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**6.1**	=	0.25	0.1
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**6.0**	=	0.25	0.1
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**5.5**	=	0.25	0.1
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**2.7**	=	0.25	0.1
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**6.0**	=	0.25	0.1
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**2.3**	=	0.25	0.1
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**4.1**	=	0.25	0.1
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**1.8**	=	0.25	0.1
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**9.6**	=	0.25	0.1
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**2.8**	=	0.25	0.1
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**12.8**	=	0.25	0.1
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	**9.4**	=	0.25	0.1
M4100	P3	Marine 1	ENV200501	K2501082-015	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4101	P2	Marine 1	ENV200501	K2501082-016	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4102	P2-dup	Marine 1	ENV200501	K2501082-017	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4103	P1	Marine 1	ENV200501	K2501082-018	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4104	M4	Marine 1	ENV200501	K2501082-019	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4105	M3.3	Marine 1	ENV200501	K2501082-021	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4106	SN12	Marine 1	ENV200501	K2501082-022	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4107	BJ-EST	Marine 1	ENV200501	K2501082-023	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.6**	=	0.2	0.5
M4108	M3.1	Marine 1	ENV200501	K2501082-024	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5
M4109	M6	Marine 1	ENV200501	K2501082-026	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**0.8**	=	0.2	0.5
M4110	DY01	Marine 1	ENV200501	K2501082-027	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**1.2**	=	0.2	0.5
M4112	PLO1	Marine 1	ENV200501	K2501082-028	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5
M4113	PLO2	Marine 1	ENV200501	K2501082-029	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5
M4114	PLO3	Marine 1	ENV200501	K2501082-030	9-Feb	11-Feb	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**7.3**	=	0.1	0.5
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**4.5**	=	0.1	0.5
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**4.5**	=	0.1	0.5
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**6.2**	=	0.1	0.5
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**7.6**	=	0.1	0.5
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**7.3**	=	0.1	0.5
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**6.3**	=	0.1	0.5
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**6.5**	=	0.1	0.5
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**16.6**	=	0.1	0.5
G1108-A	WADOT-03	Gorst Rest	Storm 1	K2500540-010	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**3.7**	=	0.1	0.5
G1108-B	WADOT-03	Gorst Rest	Storm 1	K2500540-011	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**4.5**	=	0.1	0.5
G1108-C	WADOT-03	Gorst Rest	Storm 1	K2500540-012	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**3.0**	=	0.1	0.5
G1103-A	AC-LOW	Gorst Rest	Storm 1	K2500540-013	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**1.8**	=	0.1	0.5
G1103-B	AC-LOW	Gorst Rest	Storm 1	K2500540-014	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**7.8**	=	0.1	0.5
G1103-C	AC-LOW	Gorst Rest	Storm 1	K2500540-015	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**6.4**	=	0.1	0.5
G1104-A	GC-M	Gorst Rest	Storm 1	K2500540-016	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**1.9**	=	0.1	0.5

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1104-B	GC-M	Gorst Rest	Storm 1	K2500540-017	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**5.5**	=	0.1	0.5
G1104-C	GC-M	Gorst Rest	Storm 1	K2500540-018	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**4.8**	=	0.1	0.5
G1105-A	WADOT-01A	Gorst Rest	Storm 1	K2500540-019	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**2.1**	=	0.1	0.5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-020	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**1.5**	=	0.1	0.5
G1105-C	WADOT-01A	Gorst Rest	Storm 1	K2500540-021	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**5.7**	=	0.1	0.5
G1105-B D	WADOT-01A	Gorst Rest	Storm 1	K2500540-022	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**1.6**	=	0.1	0.5
G1106-B	WADOT-01B	Gorst Rest	Storm 1	K2500540-023	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**1.9**	=	0.1	0.5
G1107-A	WADOT-02	Gorst Rest	Storm 1	K2500540-024	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**1.5**	=	0.1	0.5
G1107-B	WADOT-02	Gorst Rest	Storm 1	K2500540-025	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.1	0.5
G1107-C	WADOT-02	Gorst Rest	Storm 1	K2500540-026	17-Jan	21-Jan	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	**7.6**	=	0.1	0.5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-001	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.9**	=	0.1	0.5
G1112-B	AC-LOW	Gorst Rest	Storm 2	K2500600-002	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.9**	=	0.1	0.5
G1112-C	AC-LOW	Gorst Rest	Storm 2	K2500600-003	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.9**	=	0.1	0.5
G1113-A	GC-M	Gorst Rest	Storm 2	K2500600-004	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.2**	=	0.1	0.5
G1113-B	GC-M	Gorst Rest	Storm 2	K2500600-005	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.5**	=	0.1	0.5
G1113-C	GC-M	Gorst Rest	Storm 2	K2500600-006	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.5**	=	0.1	0.5
G1112-A D	AC-LOW	Gorst Rest	Storm 2	K2500600-007	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**3.1**	=	0.1	0.5
G1114-A	WADOT-01A	Gorst Rest	Storm 2	K2500600-008	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**4.3**	=	0.1	0.5
G1114-B	WADOT-01A	Gorst Rest	Storm 2	K2500600-009	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**3.8**	=	0.1	0.5
G1114-C	WADOT-01A	Gorst Rest	Storm 2	K2500600-010	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**3.3**	=	0.1	0.5
G1116-A	WADOT-02	Gorst Rest	Storm 2	K2500600-011	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.8**	=	0.1	0.5
G1116-B	WADOT-02	Gorst Rest	Storm 2	K2500600-012	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**4.0**	=	0.1	0.5
G1116-C	WADOT-02	Gorst Rest	Storm 2	K2500600-013	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**5.0**	=	0.1	0.5
G1117-A	WADOT-03	Gorst Rest	Storm 2	K2500600-014	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**3.5**	=	0.1	0.5
G1117-B	WADOT-03	Gorst Rest	Storm 2	K2500600-015	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**4.6**	=	0.1	0.5
G1117-C	WADOT-03	Gorst Rest	Storm 2	K2500600-016	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**4.4**	=	0.1	0.5
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**14.8**	=	0.1	0.5
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**5.2**	=	0.1	0.5
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.1**	=	0.1	0.5
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**2.6**	=	0.1	0.5
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**5.4**	=	0.1	0.5
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**5.6**	=	0.1	0.5
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**5.0**	=	0.1	0.5
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	**3.0**	=	0.1	0.5
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.2**	=	0.2	0.5
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4160	DY01	Marine 2	ENV200502	K2501584-003	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4162	PL04	Marine 2	ENV200502	K2501584-004	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4163	PL05	Marine 2	ENV200502	K2501584-005	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4164	PL06	Marine 2	ENV200502	K2501584-006	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5
M4150	P3	Marine 2	ENV200502	K2501584-025	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.2**	=	0.2	0.5
M4151	P2	Marine 2	ENV200502	K2501584-026	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4152	P1	Marine 2	ENV200502	K2501584-027	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.2**	=	0.2	0.5
M4153	M4	Marine 2	ENV200502	K2501584-028	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4154	M4 DUP	Marine 2	ENV200502	K2501584-029	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
M4155	M3.3	Marine 2	ENV200502	K2501584-030	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.2**	=	0.2	0.5
M4156	SN12	Marine 2	ENV200502	K2501584-031	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4157	BJ-EST	Marine 2	ENV200502	K2501584-032	2-Mar	4-Mar	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.3**	=	0.2	0.5
M4200	P3	Marine 3	ENV200503	K2502085-020	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4201	P2	Marine 3	ENV200503	K2502085-021	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4202	P1	Marine 3	ENV200503	K2502085-022	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4204	M3.3	Marine 3	ENV200503	K2502085-024	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5
M4205	SN12	Marine 3	ENV200503	K2502085-025	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4206	SN12DUP	Marine 3	ENV200503	K2502085-026	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4207	BJ-EST	Marine 3	ENV200503	K2502085-027	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.1**	=	0.2	0.5
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4210	DY01	Marine 3	ENV200503	K2502085-030	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5
M4212	PL07	Marine 3	ENV200503	K2502085-031	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
M4213	PL08	Marine 3	ENV200503	K2502085-032	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**0.9**	=	0.2	0.5
M4214	PL09	Marine 3	ENV200503	K2502085-033	21-Mar	23-Mar	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	**1.0**	=	0.2	0.5
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**5.4**	=	0.1	0.5
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.2**	=	0.1	0.5
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**10.0**	=	0.1	0.5
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**8.4**	=	0.1	0.5
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**6.4**	=	0.1	0.5
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**5.4**	=	0.1	0.5
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**8.2**	=	0.1	0.5
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**13.4**	=	0.1	0.5
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**13.0**	=	0.1	0.5
G1205-A	WADOT-01A	Gorst Rest	Storm 3	K2501584-016	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**6.2**	=	0.1	0.5
G1205-B	WADOT-01A	Gorst Rest	Storm 3	K2501584-017	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**7.5**	=	0.1	0.5
G1205-C	WADOT-01A	Gorst Rest	Storm 3	K2501584-018	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.2**	=	0.1	0.5
G1207-A	WADOT-02	Gorst Rest	Storm 3	K2501584-019	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**12.9**	=	0.1	0.5
G1207-B	WADOT-02	Gorst Rest	Storm 3	K2501584-020	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**7.8**	=	0.1	0.5
G1207-C	WADOT-02	Gorst Rest	Storm 3	K2501584-021	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**7.7**	=	0.1	0.5
G1208-A	WADOT-03	Gorst Rest	Storm 3	K2501584-022	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.4**	=	0.1	0.5
G1208-B	WADOT-03	Gorst Rest	Storm 3	K2501584-023	28-Feb	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.3**	=	0.1	0.5
G1208-C	WADOT-03	Gorst Rest	Storm 3	K2501584-024	1-Mar	4-Mar	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	**4.2**	=	0.1	0.5
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**7.8**	=	0.1	0.25
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**5.3**	=	0.1	0.25
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**4.9**	=	0.1	0.25
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.5**	=	0.1	0.25
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**5.9**	=	0.1	0.25
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.4**	=	0.1	0.25
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**15.3**	=	0.1	0.25
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**13.9**	=	0.1	0.25
G1214-B D	WADOT-01A	Gorst Rest	Storm 4	K2502085-009	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.5**	=	0.1	0.25
G1214-A	WADOT-01A	Gorst Rest	Storm 4	K2502085-010	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**4.2**	=	0.1	0.25

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Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-011	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.1**	=	0.1	0.25
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-012	20-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**4.3**	=	0.1	0.25
G1214-C [	WADOT-01A	Gorst Rest	Storm 4	K2502085-013	20-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**4.3**	=	0.1	0.25
G1216-A	WADOT-02	Gorst Rest	Storm 4	K2502085-014	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**4.2**	=	0.1	0.25
G1216-B	WADOT-02	Sinclair	Storm 2	K2502085-015	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**2.5**	=	0.1	0.25
G1216-C	WADOT-02	Sinclair	Storm 2	K2502085-016	20-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**7.4**	=	0.1	0.25
G1217-A	WADOT-03	Sinclair	Storm 2	K2502085-017	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**4.2**	=	0.1	0.25
G1217-B	WADOT-03	Sinclair	Storm 2	K2502085-018	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**7.0**	=	0.1	0.25
G1217-C	WADOT-03	Sinclair	Storm 2	K2502085-019	20-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**7.7**	=	0.1	0.25
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	**3.0**	=	0.1	0.25
Carbon, Total Organic (TOC)													
M4250	P3	Marine 4	ENV200504	K2502263-001	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.3**	=	0.2	0.5
M4251	P2	Marine 4	ENV200504	K2502263-002	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.4**	=	0.2	0.5
M4252	P1	Marine 4	ENV200504	K2502263-003	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.2**	=	0.2	0.5
M4254	M3.3	Marine 4	ENV200504	K2502263-005	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.2**	=	0.2	0.5
M4255	SN12	Marine 4	ENV200504	K2502263-006	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4256	BJ-EST	Marine 4	ENV200504	K2502263-007	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.9**	=	0.2	0.5
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.2**	=	0.2	0.5
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.2**	=	0.2	0.5
M4259	M6	Marine 4	ENV200504	K2502263-010	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.2**	=	0.2	0.5
M4260	DY01	Marine 4	ENV200504	K2502263-011	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4262	PL10	Marine 4	ENV200504	K2502263-012	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.2**	=	0.2	0.5
M4263	PL11	Marine 4	ENV200504	K2502263-013	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4264	PL12	Marine 4	ENV200504	K2502263-014	28-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	8-Apr	415.1	Carbon, Total Organic (TOC)	**14.7**	=	0.2	0.5
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**6.6**	=	0.1	0.5
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**2.6**	=	0.1	0.5
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**10.2**	=	0.1	0.5
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**9.4**	=	0.1	0.5
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**11.2**	=	0.1	0.5
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**3.6**	=	0.1	0.5
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**12.4**	=	0.1	0.5
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**3.4**	=	0.1	0.5
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	4-Apr	415.1	Carbon, Total Organic (TOC)	**6.9**	=	0.1	0.5
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	13-Apr	415.1	Carbon, Total Organic (TOC)	**11.3**	=	0.25	0.1
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**6.1**	=	0.25	0.1
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**2.5**	=	0.25	0.1
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**12.0**	=	0.25	0.1
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**10.2**	=	0.25	0.1
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**9.7**	=	0.25	0.1
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**7.8**	=	0.25	0.1
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**3.2**	=	0.25	0.1
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**13.1**	=	0.25	0.1

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Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**3.2**	=	0.25	0.1
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**6.5**	=	0.25	0.1
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**16.9**	=	0.25	0.1
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**10.2**	=	0.25	0.1
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**6.5**	=	0.25	0.1
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**6.9**	=	0.25	0.1
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**5.8**	=	0.25	0.1
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**2.9**	=	0.25	0.1
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**6.2**	=	0.25	0.1
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**3.0**	=	0.25	0.1
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**4.5**	=	0.25	0.1
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**2.0**	=	0.25	0.1
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**10.4**	=	0.25	0.1
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**3.0**	=	0.25	0.1
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**16.2**	=	0.25	0.1
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	7-Apr	415.1	Carbon, Total Organic (TOC)	**10.6**	=	0.25	0.1
M4100	P3	Marine 1	ENV200501	K2501082-015	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.6**	=	0.2	0.5
M4101	P2	Marine 1	ENV200501	K2501082-016	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4102	P2-dup	Marine 1	ENV200501	K2501082-017	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.3**	=	0.2	0.5
M4103	P1	Marine 1	ENV200501	K2501082-018	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.3**	=	0.2	0.5
M4104	M4	Marine 1	ENV200501	K2501082-019	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4105	M3.3	Marine 1	ENV200501	K2501082-021	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.3**	=	0.2	0.5
M4106	SN12	Marine 1	ENV200501	K2501082-022	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4107	BJ-EST	Marine 1	ENV200501	K2501082-023	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.8**	=	0.2	0.5
M4108	M3.1	Marine 1	ENV200501	K2501082-024	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4109	M6	Marine 1	ENV200501	K2501082-026	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4110	DY01	Marine 1	ENV200501	K2501082-027	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**0.9**	=	0.2	0.5
M4112	PLO1	Marine 1	ENV200501	K2501082-028	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4113	PLO2	Marine 1	ENV200501	K2501082-029	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4114	PLO3	Marine 1	ENV200501	K2501082-030	9-Feb	11-Feb	23-Feb	415.1	Carbon, Total Organic (TOC)	**1.2**	=	0.2	0.5
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**8.0**	=	0.1	0.5
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**4.9**	=	0.1	0.5
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**4.8**	=	0.1	0.5
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**6.0**	=	0.1	0.5
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**7.3**	=	0.1	0.5
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**6.7**	=	0.1	0.5
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**6.6**	=	0.1	0.5
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**5.8**	=	0.1	0.5
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**25.1**	=	0.1	0.5
G1108-A	WADOT-03	Gorst Rest	Storm 1	K2500540-010	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**5.1**	=	0.1	0.5
G1108-B	WADOT-03	Gorst Rest	Storm 1	K2500540-011	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**5.5**	=	0.1	0.5
G1108-C	WADOT-03	Gorst Rest	Storm 1	K2500540-012	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**3.6**	=	0.1	0.5
G1103-A	AC-LOW	Gorst Rest	Storm 1	K2500540-013	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**1.8**	=	0.1	0.5
G1103-B	AC-LOW	Gorst Rest	Storm 1	K2500540-014	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**7.7**	=	0.1	0.5
G1103-C	AC-LOW	Gorst Rest	Storm 1	K2500540-015	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**6.4**	=	0.1	0.5

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1104-A	GC-M	Gorst Rest	Storm 1	K2500540-016	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**1.9**	=	0.1	0.5
G1104-B	GC-M	Gorst Rest	Storm 1	K2500540-017	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**5.5**	=	0.1	0.5
G1104-C	GC-M	Gorst Rest	Storm 1	K2500540-018	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**4.9**	=	0.1	0.5
G1105-A	WADOT-01A	Gorst Rest	Storm 1	K2500540-019	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**2.5**	=	0.1	0.5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-020	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**1.9**	=	0.1	0.5
G1105-C	WADOT-01A	Gorst Rest	Storm 1	K2500540-021	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**5.7**	=	0.1	0.5
G1105-B D	WADOT-01A	Gorst Rest	Storm 1	K2500540-022	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**2.0**	=	0.1	0.5
G1106-B	WADOT-01B	Gorst Rest	Storm 1	K2500540-023	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**2.4**	=	0.1	0.5
G1107-A	WADOT-02	Gorst Rest	Storm 1	K2500540-024	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**2.3**	=	0.1	0.5
G1107-B	WADOT-02	Gorst Rest	Storm 1	K2500540-025	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**1.8**	=	0.1	0.5
G1107-C	WADOT-02	Gorst Rest	Storm 1	K2500540-026	17-Jan	21-Jan	27-Jan	415.1	Carbon, Total Organic (TOC)	**7.6**	=	0.1	0.5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-001	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.8**	=	0.1	0.5
G1112-B	AC-LOW	Gorst Rest	Storm 2	K2500600-002	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**3.0**	=	0.1	0.5
G1112-C	AC-LOW	Gorst Rest	Storm 2	K2500600-003	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.9**	=	0.1	0.5
G1113-A	GC-M	Gorst Rest	Storm 2	K2500600-004	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.2**	=	0.1	0.5
G1113-B	GC-M	Gorst Rest	Storm 2	K2500600-005	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.5**	=	0.1	0.5
G1113-C	GC-M	Gorst Rest	Storm 2	K2500600-006	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.7**	=	0.1	0.5
G1112-A D	AC-LOW	Gorst Rest	Storm 2	K2500600-007	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.9**	=	0.1	0.5
G1114-A	WADOT-01A	Gorst Rest	Storm 2	K2500600-008	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**4.5**	=	0.1	0.5
G1114-B	WADOT-01A	Gorst Rest	Storm 2	K2500600-009	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**3.9**	=	0.1	0.5
G1114-C	WADOT-01A	Gorst Rest	Storm 2	K2500600-010	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**3.6**	=	0.1	0.5
G1116-A	WADOT-02	Gorst Rest	Storm 2	K2500600-011	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.8**	=	0.1	0.5
G1116-B	WADOT-02	Gorst Rest	Storm 2	K2500600-012	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**5.3**	=	0.1	0.5
G1116-C	WADOT-02	Gorst Rest	Storm 2	K2500600-013	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**5.8**	=	0.1	0.5
G1117-A	WADOT-03	Gorst Rest	Storm 2	K2500600-014	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**4.3**	=	0.1	0.5
G1117-B	WADOT-03	Gorst Rest	Storm 2	K2500600-015	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**4.9**	=	0.1	0.5
G1117-C	WADOT-03	Gorst Rest	Storm 2	K2500600-016	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**4.6**	=	0.1	0.5
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**18.6**	=	0.1	0.5
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**6.1**	=	0.1	0.5
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.6**	=	0.1	0.5
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**2.9**	=	0.1	0.5
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**6.0**	=	0.1	0.5
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**6.8**	=	0.1	0.5
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**5.7**	=	0.1	0.5
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	2-Feb	415.1	Carbon, Total Organic (TOC)	**3.3**	=	0.1	0.5
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.3**	=	0.2	0.5
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4160	DY01	Marine 2	ENV200502	K2501584-003	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4162	PL04	Marine 2	ENV200502	K2501584-004	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4163	PL05	Marine 2	ENV200502	K2501584-005	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4164	PL06	Marine 2	ENV200502	K2501584-006	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4150	P3	Marine 2	ENV200502	K2501584-025	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4151	P2	Marine 2	ENV200502	K2501584-026	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.3**	=	0.2	0.5
M4152	P1	Marine 2	ENV200502	K2501584-027	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4153	M4	Marine 2	ENV200502	K2501584-028	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
M4154	M4 DUP	Marine 2	ENV200502	K2501584-029	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4155	M3.3	Marine 2	ENV200502	K2501584-030	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4156	SN12	Marine 2	ENV200502	K2501584-031	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4157	BJ-EST	Marine 2	ENV200502	K2501584-032	2-Mar	4-Mar	14-Mar	415.1	Carbon, Total Organic (TOC)	**1.4**	=	0.2	0.5
M4200	P3	Marine 3	ENV200503	K2502085-020	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4201	P2	Marine 3	ENV200503	K2502085-021	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4202	P1	Marine 3	ENV200503	K2502085-022	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**0.9**	=	0.2	0.5
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4204	M3.3	Marine 3	ENV200503	K2502085-024	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4205	SN12	Marine 3	ENV200503	K2502085-025	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4206	SN12DUP	Marine 3	ENV200503	K2502085-026	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4207	BJ-EST	Marine 3	ENV200503	K2502085-027	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4210	DY01	Marine 3	ENV200503	K2502085-030	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**0.9**	=	0.2	0.5
M4212	PL07	Marine 3	ENV200503	K2502085-031	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.1**	=	0.2	0.5
M4213	PL08	Marine 3	ENV200503	K2502085-032	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
M4214	PL09	Marine 3	ENV200503	K2502085-033	21-Mar	23-Mar	24-Mar	415.1	Carbon, Total Organic (TOC)	**1.0**	=	0.2	0.5
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**5.7**	=	0.1	0.5
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**3.7**	=	0.1	0.5
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**11.7**	=	0.2	0.5
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**7.5**	=	0.2	0.5
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**7.0**	=	0.1	0.5
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**6.1**	=	0.1	0.5
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**9.5**	=	0.1	0.5
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**13.0**	=	0.1	0.5
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**16.0**	=	0.1	0.5
G1205-A	WADOT-01A	Gorst Rest	Storm 3	K2501584-016	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**6.9**	=	0.1	0.5
G1205-B	WADOT-01A	Gorst Rest	Storm 3	K2501584-017	28-Feb	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**8.1**	=	0.1	0.5
G1205-C	WADOT-01A	Gorst Rest	Storm 3	K2501584-018	1-Mar	4-Mar	9-Mar	415.1	Carbon, Total Organic (TOC)	**3.5**	=	0.1	0.5
G1207-A	WADOT-02	Gorst Rest	Storm 3	K2501584-019	28-Feb	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	**13.6**	=	0.1	0.5
G1207-B	WADOT-02	Gorst Rest	Storm 3	K2501584-020	28-Feb	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	**8.7**	=	0.1	0.5
G1207-C	WADOT-02	Gorst Rest	Storm 3	K2501584-021	1-Mar	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	**8.6**	=	0.1	0.5
G1208-A	WADOT-03	Gorst Rest	Storm 3	K2501584-022	28-Feb	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	**4.2**	=	0.1	0.5
G1208-B	WADOT-03	Gorst Rest	Storm 3	K2501584-023	28-Feb	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	**3.8**	=	0.1	0.5
G1208-C	WADOT-03	Gorst Rest	Storm 3	K2501584-024	1-Mar	4-Mar	11-Mar	415.1	Carbon, Total Organic (TOC)	**4.8**	=	0.1	0.5
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**8.4**	=	0.1	0.25
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**5.9**	=	0.1	0.25
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**5.7**	=	0.1	0.25
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**4.3**	=	0.1	0.25
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**6.7**	=	0.1	0.25
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**3.8**	=	0.1	0.25
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**17.3**	=	0.1	0.25
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**18.8**	=	0.1	0.25
G1214-B [	WADOT-01A	Gorst Rest	Storm 4	K2502085-009	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**4.5**	=	0.1	0.25

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1214-A	WADOT-01A	Gorst Rest	Storm 4	K2502085-010	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**4.8**	=	0.1	0.25
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-011	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**3.6**	=	0.1	0.25
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-012	20-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**4.7**	=	0.1	0.25
G1214-C [	WADOT-01A	Gorst Rest	Storm 4	K2502085-013	20-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**4.7**	=	0.1	0.25
G1216-A	WADOT-02	Gorst Rest	Storm 4	K2502085-014	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**5.0**	=	0.1	0.25
G1216-B	WADOT-02	Sinclair	Storm 2	K2502085-015	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**2.8**	=	0.1	0.25
G1216-C	WADOT-02	Sinclair	Storm 2	K2502085-016	20-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**8.9**	=	0.1	0.25
G1217-A	WADOT-03	Sinclair	Storm 2	K2502085-017	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**4.6**	=	0.1	0.25
G1217-B	WADOT-03	Sinclair	Storm 2	K2502085-018	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**7.5**	=	0.1	0.25
G1217-C	WADOT-03	Sinclair	Storm 2	K2502085-019	20-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**6.6**	=	0.1	0.25
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	25-Mar	415.1	Carbon, Total Organic (TOC)	**3.4**	=	0.1	0.25
Solids, Total													
M4250	P3	Marine 4	ENV200504	K2502263-001	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**31400**	=		
M4251	P2	Marine 4	ENV200504	K2502263-002	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**26800**	=		
M4252	P1	Marine 4	ENV200504	K2502263-003	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**31400**	=		
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**33500**	=		
M4254	M3.3	Marine 4	ENV200504	K2502263-005	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**33300**	=		
M4255	SN12	Marine 4	ENV200504	K2502263-006	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**32800**	=		
M4256	BJ-EST	Marine 4	ENV200504	K2502263-007	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**30700**	=		
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**31900**	=		
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**31000**	=		
M4259	M6	Marine 4	ENV200504	K2502263-010	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**32800**	=		
M4260	DY01	Marine 4	ENV200504	K2502263-011	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**33500**	=		
M4262	PL10	Marine 4	ENV200504	K2502263-012	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**29600**	=		
M4263	PL11	Marine 4	ENV200504	K2502263-013	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**32500**	=		
M4264	PL12	Marine 4	ENV200504	K2502263-014	28-Mar	30-Mar	2-Apr	160.3	Solids, Total	**32600**	=		
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	2-Apr	160.3	Solids, Total	**276**	=		
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**76**	=		
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**50**	=		
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**217**	=		
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**125**	=		
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**132**	=		
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**75**	=		
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**105**	=		
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**43**	=		
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	1-Apr	160.3	Solids, Total	**65**	=		
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	14-Apr	160.3	Solids, Total	**134**	=		
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	6-Apr	160.3	Solids, Total	**62**	=		
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	6-Apr	160.3	Solids, Total	**65**	=		
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	**118**	=		
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	**131**	=		
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	**119**	=		
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	**117**	=		
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	**75**	=		

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	7-Apr	160.3	Solids, Total	**93**	=		
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	7-Apr	160.3	Solids, Total	**38**	=		
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	6-Apr	160.3	Solids, Total	**80**	=		
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	7-Apr	160.3	Solids, Total	**352**	=		
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**119**	=		
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**130**	=		
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**122**	=		
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**127**	=		
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**64**	=		
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**160**	=		
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**3530**	=		
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**82**	=		
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**88**	=		
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**79**	=		
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**103**	=		
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**68**	=		
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	6-Apr	160.3	Solids, Total	**1740**	=		
M4100	P3	Marine 1	ENV200501	K2501082-001	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**30800**	=		
M4101	P2	Marine 1	ENV200501	K2501082-002	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**31900**	=		
M4102	P2-dup	Marine 1	ENV200501	K2501082-003	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**31500**	=		
M4103	P1	Marine 1	ENV200501	K2501082-004	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**31000**	=		
M4104	M4	Marine 1	ENV200501	K2501082-005	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**30900**	=		
M4105	M3.3	Marine 1	ENV200501	K2501082-006	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**29200**	=		
M4106	SN12	Marine 1	ENV200501	K2501082-007	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**30000**	=		
M4107	BJ-EST	Marine 1	ENV200501	K2501082-008	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**26800**	=		
M4108	M3.1	Marine 1	ENV200501	K2501082-009	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**30100**	=		
M4109	M6	Marine 1	ENV200501	K2501082-010	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**29500**	=		
M4110	DY01	Marine 1	ENV200501	K2501082-011	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**33000**	=		
M4112	PLO1	Marine 1	ENV200501	K2501082-012	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**32300**	=		
M4113	PLO2	Marine 1	ENV200501	K2501082-013	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**31600**	=		
M4114	PLO3	Marine 1	ENV200501	K2501082-014	9-Feb	11-Feb	12-Feb	160.3	Solids, Total	**31300**	=		
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	**218**	=		
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	24-Jan	160.3	Solids, Total	**197**	=		
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	**127**	=		
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	**167**	=		
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	**193**	=		
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	**184**	=		
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	**139**	=		
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	24-Jan	160.3	Solids, Total	**120**	=		
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	24-Jan	160.3	Solids, Total	**368**	=		
G1108-A	WADOT-03	Gorst Rest	Storm 1	K2500540-010	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**117**	=		
G1108-B	WADOT-03	Gorst Rest	Storm 1	K2500540-011	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**292**	=		
G1108-C	WADOT-03	Gorst Rest	Storm 1	K2500540-012	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**144**	=		
G1103-A	AC-LOW	Gorst Rest	Storm 1	K2500540-013	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**94**	=		
G1103-B	AC-LOW	Gorst Rest	Storm 1	K2500540-014	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**381**	=		

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1103-C	AC-LOW	Gorst Rest	Storm 1	K2500540-015	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**123**	=		
G1104-A	GC-M	Gorst Rest	Storm 1	K2500540-016	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**99**	=		
G1104-B	GC-M	Gorst Rest	Storm 1	K2500540-017	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**132**	=		
G1104-C	GC-M	Gorst Rest	Storm 1	K2500540-018	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**128**	=		
G1105-A	WADOT-01A	Gorst Rest	Storm 1	K2500540-019	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**268**	=		
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-020	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**264**	=		
G1105-C	WADOT-01A	Gorst Rest	Storm 1	K2500540-021	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**452**	=		
G1105-B D	WADOT-01A	Gorst Rest	Storm 1	K2500540-022	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**281**	=		
G1106-B	WADOT-01B	Gorst Rest	Storm 1	K2500540-023	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**55**	=		
G1107-A	WADOT-02	Gorst Rest	Storm 1	K2500540-024	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**188**	=		
G1107-B	WADOT-02	Gorst Rest	Storm 1	K2500540-025	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**460**	=		
G1107-C	WADOT-02	Gorst Rest	Storm 1	K2500540-026	17-Jan	21-Jan	24-Jan	160.3	Solids, Total	**147**	=		
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-001	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**72**	=		
G1112-B	AC-LOW	Gorst Rest	Storm 2	K2500600-002	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**72**	=		
G1112-C	AC-LOW	Gorst Rest	Storm 2	K2500600-003	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**71**	=		
G1113-A	GC-M	Gorst Rest	Storm 2	K2500600-004	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**89**	=		
G1113-B	GC-M	Gorst Rest	Storm 2	K2500600-005	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**75**	=		
G1113-C	GC-M	Gorst Rest	Storm 2	K2500600-006	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**74**	=		
G1112-A D	AC-LOW	Gorst Rest	Storm 2	K2500600-007	22-Jan	25-Jan	9-Feb	160.3	Solids, Total	**71**	=, X		
G1114-A	WADOT-01A	Gorst Rest	Storm 2	K2500600-008	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**286**	=		
G1114-B	WADOT-01A	Gorst Rest	Storm 2	K2500600-009	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**452**	=		
G1114-C	WADOT-01A	Gorst Rest	Storm 2	K2500600-010	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**712**	=		
G1116-A	WADOT-02	Gorst Rest	Storm 2	K2500600-011	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**145**	=		
G1116-B	WADOT-02	Gorst Rest	Storm 2	K2500600-012	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**374**	=		
G1116-C	WADOT-02	Gorst Rest	Storm 2	K2500600-013	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**210**	=		
G1117-A	WADOT-03	Gorst Rest	Storm 2	K2500600-014	22-Jan	25-Jan	27-Jan	160.3	Solids, Total	**179**	=		
G1117-B	WADOT-03	Gorst Rest	Storm 2	K2500600-015	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**106**	=		
G1117-C	WADOT-03	Gorst Rest	Storm 2	K2500600-016	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**106**	=		
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**304**	=		
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**117**	=		
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**93**	=		
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**84**	=		
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**114**	=		
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**101**	=		
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**85**	=		
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	28-Jan	160.3	Solids, Total	**68**	=		
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**31200**	=		
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**34300**	=		
M4160	DY01	Marine 2	ENV200502	K2501584-003	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**31700**	=		
M4162	PL04	Marine 2	ENV200502	K2501584-004	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**33200**	=		
M4163	PL05	Marine 2	ENV200502	K2501584-005	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**27900**	=		
M4164	PL06	Marine 2	ENV200502	K2501584-006	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**31400**	=		
M4150	P3	Marine 2	ENV200502	K2501584-025	2-Mar	4-Mar	5-Mar	160.3	Solids, Total	**32500**	=		
M4151	P2	Marine 2	ENV200502	K2501584-026	2-Mar	4-Mar	5-Mar	160.3	Solids, Total	**30300**	=		
M4152	P1	Marine 2	ENV200502	K2501584-027	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**31100**	=		

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Columbia Analytical Services
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Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
M4153	M4	Marine 2	ENV200502	K2501584-028	2-Mar	4-Mar	5-Mar	160.3	Solids, Total	**31000**	=		
M4154	M4 DUP	Marine 2	ENV200502	K2501584-029	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**31100**	=		
M4155	M3.3	Marine 2	ENV200502	K2501584-030	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**31200**	=		
M4156	SN12	Marine 2	ENV200502	K2501584-031	2-Mar	4-Mar	8-Mar	160.3	Solids, Total	**31000**	=		
M4157	BJ-EST	Marine 2	ENV200502	K2501584-032	2-Mar	4-Mar	9-Mar	160.3	Solids, Total	**30200**	=		
M4200	P3	Marine 3	ENV200503	K2502085-020	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**26700**	=		
M4201	P2	Marine 3	ENV200503	K2502085-021	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**28500**	=		
M4202	P1	Marine 3	ENV200503	K2502085-022	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**30400**	=		
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**32100**	=		
M4204	M3.3	Marine 3	ENV200503	K2502085-024	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**32600**	=		
M4205	SN12	Marine 3	ENV200503	K2502085-025	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**31700**	=		
M4206	SN12DUP	Marine 3	ENV200503	K2502085-026	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**30600**	=		
M4207	BJ-EST	Marine 3	ENV200503	K2502085-027	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**28500**	=		
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**31200**	=		
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**27900**	=		
M4210	DY01	Marine 3	ENV200503	K2502085-030	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**28500**	=		
M4212	PL07	Marine 3	ENV200503	K2502085-031	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**30600**	=		
M4213	PL08	Marine 3	ENV200503	K2502085-032	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**27100**	=		
M4214	PL09	Marine 3	ENV200503	K2502085-033	21-Mar	23-Mar	28-Mar	160.3	Solids, Total	**25000**	=		
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**101**	=		
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**188**	=		
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**123**	=		
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**141**	=		
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**153**	=		
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**12700**	=		
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**125**	=		
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	5-Mar	160.3	Solids, Total	**2220**	=		
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	8-Mar	160.3	Solids, Total	**328**	=		
G1205-A	WADOT-01A	Gorst Rest	Storm 3	K2501584-016	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**876**	=		
G1205-B	WADOT-01A	Gorst Rest	Storm 3	K2501584-017	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**219**	=		
G1205-C	WADOT-01A	Gorst Rest	Storm 3	K2501584-018	1-Mar	4-Mar	8-Mar	160.3	Solids, Total	**1070**	=		
G1207-A	WADOT-02	Gorst Rest	Storm 3	K2501584-019	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**133**	=		
G1207-B	WADOT-02	Gorst Rest	Storm 3	K2501584-020	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**229**	=		
G1207-C	WADOT-02	Gorst Rest	Storm 3	K2501584-021	1-Mar	4-Mar	5-Mar	160.3	Solids, Total	**98**	=		
G1208-A	WADOT-03	Gorst Rest	Storm 3	K2501584-022	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**123**	=		
G1208-B	WADOT-03	Gorst Rest	Storm 3	K2501584-023	28-Feb	4-Mar	5-Mar	160.3	Solids, Total	**136**	=		
G1208-C	WADOT-03	Gorst Rest	Storm 3	K2501584-024	1-Mar	4-Mar	5-Mar	160.3	Solids, Total	**111**	=		
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**126**	=		
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**268**	=		
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**89**	=		
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**111**	=		
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**2840**	=		
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**13200**	=		
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**1020**	=		
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**348**	=		

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1214-B [	WADOT-01A	Gorst Rest	Storm 4	K2502085-009	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**318**	=		
G1214-A	WADOT-01A	Gorst Rest	Storm 4	K2502085-010	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**244**	=		
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-011	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**344**	=		
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-012	20-Mar	23-Mar	25-Mar	160.3	Solids, Total	**732**	=		
G1214-C [	WADOT-01A	Gorst Rest	Storm 4	K2502085-013	20-Mar	23-Mar	25-Mar	160.3	Solids, Total	**760**	=		
G1216-A	WADOT-02	Gorst Rest	Storm 4	K2502085-014	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**275**	=		
G1216-B	WADOT-02	Sinclair	Storm 2	K2502085-015	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**201**	=		
G1216-C	WADOT-02	Sinclair	Storm 2	K2502085-016	20-Mar	23-Mar	25-Mar	160.3	Solids, Total	**165**	=		
G1217-A	WADOT-03	Sinclair	Storm 2	K2502085-017	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**241**	=		
G1217-B	WADOT-03	Sinclair	Storm 2	K2502085-018	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**312**	=		
G1217-C	WADOT-03	Sinclair	Storm 2	K2502085-019	20-Mar	23-Mar	25-Mar	160.3	Solids, Total	**121**	=		
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	25-Mar	160.3	Solids, Total	**89**	=		
Solids, Total Suspended (TSS)													
M4250	P3	Marine 4	ENV200504	K2502263-001	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**1**	=	1	1
M4251	P2	Marine 4	ENV200504	K2502263-002	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	1	1
M4252	P1	Marine 4	ENV200504	K2502263-003	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	1	1
M4253	M4	Marine 4	ENV200504	K2502263-004	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	1	1
M4254	M3.3	Marine 4	ENV200504	K2502263-005	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	1	1
M4255	SN12	Marine 4	ENV200504	K2502263-006	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**1**	=	1	1
M4256	BJ-EST	Marine 4	ENV200504	K2502263-007	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**5**	=	1	1
M4257	M3.1	Marine 4	ENV200504	K2502263-008	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**1**	=	1	1
M4258	M3.1DUP	Marine 4	ENV200504	K2502263-009	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**1**	=	1	1
M4259	M6	Marine 4	ENV200504	K2502263-010	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**1**	=	1	1
M4260	DY01	Marine 4	ENV200504	K2502263-011	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	1	1
M4262	PL10	Marine 4	ENV200504	K2502263-012	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**4**	=	1	1
M4263	PL11	Marine 4	ENV200504	K2502263-013	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**1**	=	1	1
M4264	PL12	Marine 4	ENV200504	K2502263-014	28-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	1	1
G1220	KAR-WWTP	Dyes	Storm 1	K2502263-015	26-Mar	30-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**9**	=	4	4
T1305	SW6	Dyes	Storm 1	K2502197-001	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**30**	=	2	2
T1306	B-ST12	Dyes	Storm 1	K2502197-002	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**28**	=	2	2
T1301	BA	Dyes	Storm 1	K2502197-003	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**16**	=	3	3
T1302	CC	Dyes	Storm 1	K2502197-004	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**26**	=	2	2
T1303	SC	Dyes	Storm 1	K2502197-005	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**41**	=	3	3
T1304	CH	Dyes	Storm 1	K2502197-006	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**19**	=	2	2
T1307 A	B-ST01	Dyes	Storm 1	K2502197-008	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**122**	=	2	2
T1307 B	B-ST01	Dyes	Storm 1	K2502197-009	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**28**	=	2	2
T1307 C	B-ST01	Dyes	Storm 1	K2502197-010	26-Mar	29-Mar	2-Apr	160.2	Solids, Total Suspended (TSS)	**16**	=	3	3
T1300	BI-SBC	Dyes	Storm 1, Makeup	K2502680-001	11-Apr	13-Apr	14-Apr	160.2	Solids, Total Suspended (TSS)	**21**	=	2	2
T1313	SW6	Dyes	Storm 2	K2502392-001	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**15**	=	2	2
T1314	B-ST12	Dyes	Storm 2	K2502392-002	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**16**	=	2	2
T1308	BI-SBC	Dyes	Storm 2	K2502392-003	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**24**	=	3	3
T1309	BA	Dyes	Storm 2	K2502392-004	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**47**	=	2	2
T1310	CC	Dyes	Storm 2	K2502392-005	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**22**	=	2	2
T1311	SC	Dyes	Storm 2	K2502392-006	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**46**	=	2	2

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Columbia Analytical Services
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Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
T1312	CH	Dyes	Storm 2	K2502392-007	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**8**	=	2	2
T1315-A	B-ST01	Dyes	Storm 2	K2502392-009	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**26**	=	4	4
T1315-B	B-ST01	Dyes	Storm 2	K2502392-010	1-Apr	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**9**	=	2	2
T1315-C	B-ST01	Dyes	Storm 2	K2502392-011	31-Mar	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**10**	=	2	2
G1219	KAR-WWTP	Dyes	Storm 2	K2502392-012	1-Apr	5-Apr	7-Apr	160.2	Solids, Total Suspended (TSS)	**104**	=	20	20
T1316	BI-SBC	Dyes	Baseflow 05	K2502392-013	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**8**	=	2	2
T1317	BA	Dyes	Baseflow 05	K2502392-014	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**6**	=	2	2
T1318	CC	Dyes	Baseflow 05	K2502392-015	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**7**	=	2	2
T1319	SC	Dyes	Baseflow 05	K2502392-016	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	1	1
T1320	CH	Dyes	Baseflow 05	K2502392-017	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**4**	=	2	2
T1321	SW6	Dyes	Baseflow 05	K2502392-018	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**3**	=	1	1
T1322	B-ST12	Dyes	Baseflow 05	K2502392-019	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**253**	=	13	13
T1323	B-ST01	Dyes	Baseflow 05	K2502392-020	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	2	2
T1324	GC-SAN	Gorst	Baseflow 05	K2502392-021	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**2**	=	1	1
T1325	BL	Sinclair	Baseflow 05	K2502392-022	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**4**	=	2	2
T1326	OC	Sinclair	Baseflow 05	K2502392-023	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**6**	=	1	1
G1221	KAR-WWTP	Dyes	Baseflow 05	K2502392-024	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**26**	=	4	4
G1209	B-WWTP	Dyes	Baseflow 05	K2502392-025	30-Mar	5-Apr	6-Apr	160.2	Solids, Total Suspended (TSS)	**3**	=	2	2
M4100	P3	Marine 1	ENV200501	K2501082-001	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4101	P2	Marine 1	ENV200501	K2501082-002	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4102	P2-dup	Marine 1	ENV200501	K2501082-003	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4103	P1	Marine 1	ENV200501	K2501082-004	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4104	M4	Marine 1	ENV200501	K2501082-005	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4105	M3.3	Marine 1	ENV200501	K2501082-006	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4106	SN12	Marine 1	ENV200501	K2501082-007	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4107	BJ-EST	Marine 1	ENV200501	K2501082-008	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4108	M3.1	Marine 1	ENV200501	K2501082-009	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4109	M6	Marine 1	ENV200501	K2501082-010	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4110	DY01	Marine 1	ENV200501	K2501082-011	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**6**	=	5	5
M4112	PLO1	Marine 1	ENV200501	K2501082-012	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4113	PLO2	Marine 1	ENV200501	K2501082-013	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4114	PLO3	Marine 1	ENV200501	K2501082-014	9-Feb	11-Feb	12-Feb	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
T1100	LMK136	Gorst	Storm 1	K2500540-001	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**153**	=	5	5
T1101	GC	Gorst	Storm 1	K2500540-002	18-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**107**	=	5	5
T1102	GC-SAN	Gorst	Storm 1	K2500540-003	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**63**	=	5	5
T1103	AC	Gorst	Storm 1	K2500540-004	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**88**	=	5	5
T1104	LMK122	Gorst	Storm 1	K2500540-005	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**92**	=	5	5
T1105	LMK038	Gorst	Storm 1	K2500540-006	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**113**	=	5	5
T1106	PO-POBLVD	Gorst	Storm 1	K2500540-007	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**87**	=	5	5
T1114	AC-DUP	Gorst	Storm 1	K2500540-008	19-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**59**	=	5	5
G1101	KAR-WWTP	Gorst	Storm 1	K2500540-009	18-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**82**	=	5	5
G1108-A	WADOT-03	Gorst Rest	Storm 1	K2500540-010	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**31**	=	5	5
G1108-B	WADOT-03	Gorst Rest	Storm 1	K2500540-011	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**250**	=	5	5
G1108-C	WADOT-03	Gorst Rest	Storm 1	K2500540-012	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**121**	=	5	5
G1103-A	AC-LOW	Gorst Rest	Storm 1	K2500540-013	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**6**	=	5	5

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Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1103-B	AC-LOW	Gorst Rest	Storm 1	K2500540-014	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**323**	=	5	5
G1103-C	AC-LOW	Gorst Rest	Storm 1	K2500540-015	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**45**	=	5	5
G1104-A	GC-M	Gorst Rest	Storm 1	K2500540-016	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**7**	=	5	5
G1104-B	GC-M	Gorst Rest	Storm 1	K2500540-017	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**56**	=	5	5
G1104-C	GC-M	Gorst Rest	Storm 1	K2500540-018	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**58**	=	5	5
G1105-A	WADOT-01A	Gorst Rest	Storm 1	K2500540-019	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**77**	=	5	5
G1105-B	WADOT-01A	Gorst Rest	Storm 1	K2500540-020	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**212**	=	5	5
G1105-C	WADOT-01A	Gorst Rest	Storm 1	K2500540-021	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**9**	=	5	5
G1105-B D	WADOT-01A	Gorst Rest	Storm 1	K2500540-022	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**221**	=	5	5
G1106-B	WADOT-01B	Gorst Rest	Storm 1	K2500540-023	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**32**	=	5	5
G1107-A	WADOT-02	Gorst Rest	Storm 1	K2500540-024	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**167**	=	5	5
G1107-B	WADOT-02	Gorst Rest	Storm 1	K2500540-025	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**486**	=	5	5
G1107-C	WADOT-02	Gorst Rest	Storm 1	K2500540-026	17-Jan	21-Jan	24-Jan	160.2	Solids, Total Suspended (TSS)	**50**	=	5	5
G1112-A	AC-LOW	Gorst Rest	Storm 2	K2500600-001	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**6**	=	5	5
G1112-B	AC-LOW	Gorst Rest	Storm 2	K2500600-002	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**9**	=	5	5
G1112-C	AC-LOW	Gorst Rest	Storm 2	K2500600-003	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
G1113-A	GC-M	Gorst Rest	Storm 2	K2500600-004	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**7**	=	5	5
G1113-B	GC-M	Gorst Rest	Storm 2	K2500600-005	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**5**	=	5	5
G1113-C	GC-M	Gorst Rest	Storm 2	K2500600-006	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
G1112-A D	AC-LOW	Gorst Rest	Storm 2	K2500600-007	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**6**	=	5	5
G1114-A	WADOT-01A	Gorst Rest	Storm 2	K2500600-008	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**36**	=	5	5
G1114-B	WADOT-01A	Gorst Rest	Storm 2	K2500600-009	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**41**	=	5	5
G1114-C	WADOT-01A	Gorst Rest	Storm 2	K2500600-010	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**6**	=	5	5
G1116-A	WADOT-02	Gorst Rest	Storm 2	K2500600-011	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**130**	=	5	5
G1116-B	WADOT-02	Gorst Rest	Storm 2	K2500600-012	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**330**	=	5	5
G1116-C	WADOT-02	Gorst Rest	Storm 2	K2500600-013	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**191**	=	5	5
G1117-A	WADOT-03	Gorst Rest	Storm 2	K2500600-014	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**123**	=	5	5
G1117-B	WADOT-03	Gorst Rest	Storm 2	K2500600-015	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**35**	=	5	5
G1117-C	WADOT-03	Gorst Rest	Storm 2	K2500600-016	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**10**	=	5	5
G1110	KAR-WWTP	Gorst	Storm 2	K2500600-017	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**14**	=	5	5
T1107	LMK 136	Gorst	Storm 2	K2500600-018	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**8**	=	5	5
T1108	GC	Gorst	Storm 2	K2500600-019	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**11**	=	5	5
T1109	GC-SAN	Gorst	Storm 2	K2500600-020	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**8**	=	5	5
T1111	LMK 122	Gorst	Storm 2	K2500600-021	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**8**	=	5	5
T1112	LMK 038	Gorst	Storm 2	K2500600-022	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**8**	=	5	5
T1113	PO-POBLVD	Gorst	Storm 2	K2500600-023	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**6**	=	5	5
T1115	AC-DUP	Gorst	Storm 2	K2500600-024	22-Jan	25-Jan	27-Jan	160.2	Solids, Total Suspended (TSS)	**ND**	ND	5	5
M4158	M3.1	Marine 2	ENV200502	K2501584-001	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4159	M6	Marine 2	ENV200502	K2501584-002	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4160	DY01	Marine 2	ENV200502	K2501584-003	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4162	PL04	Marine 2	ENV200502	K2501584-004	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4163	PL05	Marine 2	ENV200502	K2501584-005	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**2**	=	2	2
M4164	PL06	Marine 2	ENV200502	K2501584-006	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**4**	=	2	2
M4150	P3	Marine 2	ENV200502	K2501584-025	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4151	P2	Marine 2	ENV200502	K2501584-026	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
M4152	P1	Marine 2	ENV200502	K2501584-027	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4153	M4	Marine 2	ENV200502	K2501584-028	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4154	M4 DUP	Marine 2	ENV200502	K2501584-029	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4155	M3.3	Marine 2	ENV200502	K2501584-030	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**2**	=	2	2
M4156	SN12	Marine 2	ENV200502	K2501584-031	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4157	BJ-EST	Marine 2	ENV200502	K2501584-032	2-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**2**	=	2	2
M4200	P3	Marine 3	ENV200503	K2502085-020	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4201	P2	Marine 3	ENV200503	K2502085-021	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4202	P1	Marine 3	ENV200503	K2502085-022	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4203	M4	Marine 3	ENV200503	K2502085-023	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4204	M3.3	Marine 3	ENV200503	K2502085-024	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4205	SN12	Marine 3	ENV200503	K2502085-025	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4206	SN12DUP	Marine 3	ENV200503	K2502085-026	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**3**	=	2	2
M4207	BJ-EST	Marine 3	ENV200503	K2502085-027	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**7**	=	2	2
M4208	M3.1	Marine 3	ENV200503	K2502085-028	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**2**	=	2	2
M4209	M6	Marine 3	ENV200503	K2502085-029	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4210	DY01	Marine 3	ENV200503	K2502085-030	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4212	PL07	Marine 3	ENV200503	K2502085-031	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**ND**	ND	2	2
M4213	PL08	Marine 3	ENV200503	K2502085-032	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**3**	=	2	2
M4214	PL09	Marine 3	ENV200503	K2502085-033	21-Mar	23-Mar	28-Mar	160.2	Solids, Total Suspended (TSS)	**5**	=	2	2
T1200	BL	Sinclair	Storm 1	K2501584-007	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**7**	=	4	4
T1201	OC	Sinclair	Storm 1	K2501584-008	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**59**	=	4	4
T1202	B-ST28	Sinclair	Storm 1	K2501584-009	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**81**	=	5	5
T1203	B-ST/CSO16	Sinclair	Storm 1	K2501584-010	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**75**	=	7	7
T1204	PSNS015	Sinclair	Storm 1	K2501584-011	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**26**	=	5	5
T1205	PSNS124	Sinclair	Storm 1	K2501584-012	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**8**	=	3	3
T1206	PSNS126	Sinclair	Storm 1	K2501584-013	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**17**	=	4	4
G1200	B-WWTP	Sinclair	Storm 1	K2501584-014	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**2**	=	2	2
G1201	KAR-WWTP	Sinclair	Storm 1	K2501584-015	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**8**	=	4	4
G1205-A	WADOT-01A	Gorst Rest	Storm 3	K2501584-016	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**80**	=	10	10
G1205-B	WADOT-01A	Gorst Rest	Storm 3	K2501584-017	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**139**	=	10	10
G1205-C	WADOT-01A	Gorst Rest	Storm 3	K2501584-018	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**11**	=	5	5
G1207-A	WADOT-02	Gorst Rest	Storm 3	K2501584-019	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**55**	=	10	10
G1207-B	WADOT-02	Gorst Rest	Storm 3	K2501584-020	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**182**	=	20	20
G1207-C	WADOT-02	Gorst Rest	Storm 3	K2501584-021	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**36**	=	8	8
G1208-A	WADOT-03	Gorst Rest	Storm 3	K2501584-022	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**37**	=	5	5
G1208-B	WADOT-03	Gorst Rest	Storm 3	K2501584-023	28-Feb	4-Mar	6-Mar	160.2	Solids, Total Suspended (TSS)	**19**	=	5	5
G1208-C	WADOT-03	Gorst Rest	Storm 3	K2501584-024	1-Mar	4-Mar	8-Mar	160.2	Solids, Total Suspended (TSS)	**10**	=	5	5
T1207	BL	Sinclair	Storm 2	K2502085-001	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**19**	=	2	2
T1208	OC	Sinclair	Storm 2	K2502085-002	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**151**	=	4	4
T1209	B-ST28	Sinclair	Storm 2	K2502085-003	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**49**	=	3	3
T1210	B-ST/CSO16	Sinclair	Storm 2	K2502085-004	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**51**	=	4	4
T1211	PSNS015	Sinclair	Storm 2	K2502085-005	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**34**	=	4	4
T1212	PSNS124	Sinclair	Storm 2	K2502085-006	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**8**	=	3	3
T1213	PSNS126	Sinclair	Storm 2	K2502085-007	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**36**	=	4	4

NOTE: All samples collected, processed, and analyzed in 2005 DL = Detection Limit; RL = Reporting Limit

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, Field Sample Results
Units: mg/L

Sample	Station Code	Event	Storm	Batch ID - Lab Code	Date Collected	Date Received	Date Analyzed	Method	Component	Result	Result Notes	DL	RL
G1210	KAR-WWTP	Sinclair	Storm 2	K2502085-008	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**12**	=	4	4
G1214-B [	WADOT-01A	Gorst Rest	Storm 4	K2502085-009	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**36**	=	4	4
G1214-A	WADOT-01A	Gorst Rest	Storm 4	K2502085-010	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**103**	=	4	4
G1214-B	WADOT-01A	Gorst Rest	Storm 4	K2502085-011	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**33**	=	4	4
G1214-C	WADOT-01A	Gorst Rest	Storm 4	K2502085-012	20-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**10**	=	3	3
G1214-C [	WADOT-01A	Gorst Rest	Storm 4	K2502085-013	20-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**10**	=	3	3
G1216-A	WADOT-02	Gorst Rest	Storm 4	K2502085-014	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**138**	=	5	5
G1216-B	WADOT-02	Sinclair	Storm 2	K2502085-015	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**172**	=	4	4
G1216-C	WADOT-02	Sinclair	Storm 2	K2502085-016	20-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**130**	=	4	4
G1217-A	WADOT-03	Sinclair	Storm 2	K2502085-017	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**206**	=	10	10
G1217-B	WADOT-03	Sinclair	Storm 2	K2502085-018	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**223**	=	10	10
G1217-C	WADOT-03	Sinclair	Storm 2	K2502085-019	20-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**26**	=	4	4
T1221	B-ST12	Sinclair	Storm 2	K2502085-034	19-Mar	23-Mar	26-Mar	160.2	Solids, Total Suspended (TSS)	**205**	=	25	25

NOTE: All samples collected, processed, and analyzed in 2005
DL = Detection Limit; RL = Reporting Limit

QC Sample Results: 2005 Storm Water Conventionals

(Listed based on Analytical Batch ID)

- K2500540, Gorst 1
- K2500600, Gorst 2
- K2501082, ENV200501
- K2501584, Sinclair 1, ENV200502
- K2502085, Sinclair 2, ENV200503
- K2502197, Dyes 1
- K2502263, ENV200504
- K2502392, Dyes 2, Baseflow 05
- K2502680, Dyes 1 Make-up

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2500540														
G1101	K2500540-009DUP	27-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	**148**	=				148	<1
Laboratory Control Sample	K2500540-LCS	27-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	**50**	=	49	102	85-115		
Method Blank	K2500540-MB	27-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	**ND**	ND					
T1100	K2500540-001DUP	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**7.6**	=				7.5	4
T1100	K2500540-001MS	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**31.2**	=	25.0	96	76-121		
G1105-C	K2500540-021DUP	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**5.6**	=				5.7	2
G1105-C	K2500540-021MS	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**31.3**	=	25.0	102	76-121		
Laboratory Control Sample	K2500540-LCS	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**30.2**	=	30.1	100	92-106		
Laboratory Control Sample	K2500540-LCS	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**30.5**	=	30.1	101	92-106		
Method Blank	K2500540-MB	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**ND**	ND					
Method Blank	K2500540-MB	31-Jan	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**ND**	ND					
T1100	K2500540-001DUP	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	**40**	=				39	5
Laboratory Control Sample	K2500540-LCS	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	**37**	=	34	109	85-115		
Method Blank	K2500540-MB	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	**ND**	ND					
T1100	K2500540-001DUP	31-Jan	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.04**	=				0.05	20
T1100	K2500540-001MS	31-Jan	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.28**	=	0.25	92	90-110		
Laboratory Control Sample	K2500540-LCS	31-Jan	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.8**	=	3.9	97	90-110		
Method Blank	K2500540-MB	31-Jan	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
T1100	K2500540-001DUP	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**1.48**	=				1.50	2
T1100	K2500540-001MS	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**3.87**	=	2.50	94	90-110		
Laboratory Control Sample	K2500540-LCS	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**3.27**	=	3.40	96	90-110		
Method Blank	K2500540-MB	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**ND**	ND					
T1100	K2500540-001DUP	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**1.4**	=				1.5	13
T1100	K2500540-001MS	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**19.9**	=	20.0	92	75-125		
Laboratory Control Sample	K2500540-LCS	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**5.5**	=	6.0	92	85-115		
Method Blank	K2500540-MB	28-Jan	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**ND**	ND					
T1100	K2500540-001DUP	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**8.2**	=				8.1	2
T1100	K2500540-001MS	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**28.5**	=	25.0	82	76-121		
G1105-C	K2500540-021DUP	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**6.0**	=				5.9	5
G1105-C	K2500540-021MS	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**29.7**	=	25.0	96	76-121		
Laboratory Control Sample	K2500540-LCS	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**28.8**	=	30.1	96	92-106		
Laboratory Control Sample	K2500540-LCS	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**29.1**	=	30.1	97	92-106		
Method Blank	K2500540-MB	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**ND**	ND					
Method Blank	K2500540-MB	27-Jan	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**ND**	ND					
T1100	K2500540-001DUP	26-Jan	365.3	Phosphorus, Total	1	0.005	0.01	**0.25**	=				0.25	4
T1100	K2500540-001MS	26-Jan	365.3	Phosphorus, Total	2	0.01	0.01	**0.78**	=	0.50	108	76-118		
Laboratory Control Sample	K2500540-LCS	26-Jan	365.3	Phosphorus, Total	1	0.005	0.01	**3.10**	=	3.29	94	94-108		
Method Blank	K2500540-MB	26-Jan	365.3	Phosphorus, Total	1	0.005	0.01	**ND**	ND					
T1100	K2500540-001DUP	24-Jan	160.3	Solids, Total	1			**237**	=				228	8
T1104	K2500540-005DUP	24-Jan	160.3	Solids, Total	1			**196**	=				195	2
G1101	K2500540-009DUP	24-Jan	160.3	Solids, Total	1			**348**	=				358	6
Laboratory Control Sample	K2500540-LCS	24-Jan	160.3	Solids, Total	1			**1180**	=	1190	99	85-115		
Laboratory Control Sample	K2500540-LCS	24-Jan	160.3	Solids, Total	1			**1190**	=	1190	100	85-115		

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
Method Blank	K2500540-MB	24-Jan	160.3	Solids, Total	1			**ND**	ND					
Method Blank	K2500540-MB	24-Jan	160.3	Solids, Total	1			**ND**	ND					
T1100	K2500540-001DUP	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**153**	=				153	<1
T1104	K2500540-005DUP	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**99**	=				96	7
G1101	K2500540-009DUP	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**77**	=				80	6
Laboratory Control Sample	K2500540-LCS	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**228**	=	256	89	85-115		
Laboratory Control Sample	K2500540-LCS	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**225**	=	256	88	85-115		
Method Blank	K2500540-MB	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND					
Method Blank	K2500540-MB	24-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND					

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2500600														
T1108	K2500600-019DUP	29-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	**48**	=				48	<1
Laboratory Control Sample	K2500600-LCS1	2-Feb	310.1	Alkalinity, Total as CaCO3	1	1	2	**50**	=	49	102	85-115		
Laboratory Control Sample	K2500600-LCS2	2-Feb	310.1	Alkalinity, Total as CaCO3	1	1	2	**50**	=	49	102	85-115		
Method Blank	K2500600-MB	29-Jan	310.1	Alkalinity, Total as CaCO3	1	1	2	**ND**	ND					
Method Blank	K2500600-MB	2-Feb	310.1	Alkalinity, Total as CaCO3	1	1	2	**ND**	ND					
G1112-A	K2500600-001DUP	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**2.9**	=				2.9	<1
G1112-A	K2500600-001MS	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**28.3**	=	25.0	102	76-121		
T1111	K2500600-021DUP	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.07	0.5	**5.7**	=				5.6	5
T1111	K2500600-021MS	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.07	0.5	**30.7**	=	25.0	101	76-121		
Laboratory Control Sample	K2500600-LCS1	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.07	0.5	**30.5**	=	30.1	101	92-106		
Laboratory Control Sample	K2500600-LCS2	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.07	0.5	**30.5**	=	30.1	101	92-106		
Method Blank	K2500600-MB	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**ND**	ND					
Method Blank	K2500600-MB	4-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**ND**	ND					
Laboratory Control Sample	K2500600-LCS	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	**37**	=	34	109	85-115		
Method Blank	K2500600-MB	28-Jan	130.2	Hardness as CaCO3	1	0.6	2	**ND**	ND					
Laboratory Control Sample	K2500600-LCS	31-Jan	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.8**	=	3.9	97	90-110		
Method Blank	K2500600-MB	31-Jan	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
Laboratory Control Sample	K2500600-LCS	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**3.27**	=	3.40	96	90-110		
Method Blank	K2500600-MB	26-Jan	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**ND**	ND					
G1110	K2500600-017DUP	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	25	1.8	3.0	**34.1**	=				35.5	8
G1110	K2500600-017MS	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	25	1.8	3.0	**54.2**	=	20.0	87	75-125		
Laboratory Control Sample	K2500600-LCS	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**5.6**	=	6.0	93	85-115		
Method Blank	K2500600-MB	2-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**ND**	ND					
G1112-A	K2500600-001DUP	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**2.8**	=				2.8	<1
G1112-A	K2500600-001MS	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**27.8**	=	25.0	100	76-121		
T1111	K2500600-021DUP	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**6.1**	=				6.1	2
T1111	K2500600-021MS	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**28.0**	=	25.0	88	76-121		
Laboratory Control Sample	K2500600-LCS	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**30.5**	=	30.1	101	92-106		
Laboratory Control Sample	K2500600-LCS	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**30.2**	=	30.1	100	92-106		
Method Blank	K2500600-MB	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**ND**	ND					
Method Blank	K2500600-MB	2-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**ND**	ND					
G1110	K2500600-017DUP	27-Jan	365.3	Phosphorus, Total	10	0.05	0.1	**3.8**	=				3.8	<1
G1110	K2500600-017MS	27-Jan	365.3	Phosphorus, Total	10	0.05	0.1	**4.2**	=	0.5	80	76-118		
Laboratory Control Sample	K2500600-LCS	27-Jan	365.3	Phosphorus, Total	1	0.005	0.01	**3.08**	=	3.29	94	94-108		
Method Blank	K2500600-MB	27-Jan	365.3	Phosphorus, Total	1	0.005	0.01	**ND**	ND					
G1112-A	K2500600-001DUP	27-Jan	160.3	Solids, Total	1			**65**	=				69	10
G1112-A DUP 1	K2500600-007DUP	9-Feb	160.3	Solids, Total	1			**65**	=				68	9
G1116-B	K2500600-012DUP	27-Jan	160.3	Solids, Total	1			**366**	=				370	2
G1117-A	K2500600-014DUP	28-Jan	160.3	Solids, Total	1			**204**	=				192	13
T1115	K2500600-024DUP	28-Jan	160.3	Solids, Total	1			**73**	=				71	7
Laboratory Control Sample	K2500600-LCS3	9-Feb	160.3	Solids, Total	1			**916**	=	951	96	85-115		
Laboratory Control Sample	K2500600-LCS2	28-Jan	160.3	Solids, Total	1			**848**	=	853	99	85-115		
Laboratory Control Sample	K2500600-LCS1	27-Jan	160.3	Solids, Total	1			**848**	=	853	99	85-115		

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Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
Method Blank	K2500600-MB	27-Jan	160.3	Solids, Total	1			**ND**	ND					
Method Blank	K2500600-MB	9-Feb	160.3	Solids, Total	1			**ND**	ND					
Method Blank	K2500600-MB	28-Jan	160.3	Solids, Total	1			**ND**	ND					
G1112-A	K2500600-001DUP	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**6**	=				6	<1
G1116-B	K2500600-012DUP	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**353**	=				342	7
T1109	K2500600-020DUP	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**8**	=				8	<1
Laboratory Control Sample	K2500600-LCS2	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**234**	=	256	91	85-115		
Laboratory Control Sample	K2500600-LCS1	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**255**	=	256	100	85-115		
Method Blank	K2500600-MB	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND					
Method Blank	K2500600-MB	27-Jan	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND					

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Columbia Analytical Services
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Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2501082														
M4100	K2501082-015DUP	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	**1.1**	=				1.1	9
M4100	K2501082-015MS	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	**33.0**	=, *	25.0	64	68-132		
Lab Control Sample	K2501082-LCS	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**26.7**	=, *	30.1	89	90-109		
Method Blank	K2501082-MB	23-Feb	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**ND**	ND					
M4104NUTSHG	K2501082-020DUP	17-Feb	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.10**	=				0.10	<1
M4104NUTSHG	K2501082-020MS	17-Feb	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.33**	=	2.50	92	90-110		
Lab Control Sample	K2501082-LCS	17-Feb	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.7**	=	3.9	95	90-110		
Method Blank	K2501082-MB	17-Feb	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
M4104NUTSHG	K2501082-020DUP	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**0.38**	=				0.38	<1
M4104NUTSHG	K2501082-020MS	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**2.84**	=	2.50	98	90-110		
Lab Control Sample	K2501082-LCS	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**3.27**	=	3.40	96	90-110		
Method Blank	K2501082-MB	15-Feb	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**ND**	ND					
M4104NUTSHG	K2501082-020DUP	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**0.7**	=				0.7	14
M4104NUTSHG	K2501082-020MS	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**17.0**	=	20.0	82	75-125		
Method Blank	K2501082-MB	17-Feb	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**ND**	ND					
M4100	K2501082-015DUP	23-Feb	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	**1.4**	=				1.5	13
M4100	K2501082-015MS	23-Feb	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	**2.4**	=, *	25.0	3	68-132		
Lab Control Sample	K2501082-LCS	23-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**27.3**	=	29.5	91	90-109		
Method Blank	K2501082-MB	23-Feb	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**ND**	ND					
M4104NUTSHG	K2501082-020DUP	14-Feb	365.3	Phosphorus, Total	1	0.005	0.01	**0.09**	=				0.09	11
M4104NUTSHG	K2501082-020MS	14-Feb	365.3	Phosphorus, Total	1	0.005	0.01	**0.54**	=	0.50	92	76-118		
Lab Control Sample	K2501082-LCS	14-Feb	365.3	Phosphorus, Total	1	0.005	0.01	**3.07**	=	3.29	93	94-108		
Method Blank	K2501082-MB	14-Feb	365.3	Phosphorus, Total	1	0.005	0.01	**ND**	ND					
M4100-TS	K2501082-001DUP	12-Feb	160.3	Solids, Total	1			**31600**	=				31200	3
M4112-TS	K2501082-012DUP	12-Feb	160.3	Solids, Total	1			**30300**	=				31300	6
Lab Control Sample	K2501082-LCS	12-Feb	160.3	Solids, Total	1			**936**	=	951	98	85-115		
Method Blank	K2501082-MB	12-Feb	160.3	Solids, Total	1			**ND**	ND					
M4100-TS	K2501082-001DUP	12-Feb	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND				ND	
M4114-TS	K2501082-014DUP	12-Feb	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND				ND	
Lab Control Sample	K2501082-LCS	12-Feb	160.2	Solids, Total Suspended (TSS)	1	5	5	**238**	=	249	96	85-115		
Method Blank	K2501082-MB	12-Feb	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND					

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Columbia Analytical Services
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Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2501584														
T1200	K2501584-007DUP	14-Mar	310.1	Alkalinity, Total as CaCO3	1	1	2	**44**	=				44	2
Laboratory Control Sample	K2501584-LCS	14-Mar	310.1	Alkalinity, Total as CaCO3	1	1	2	**46**	=	49	94	85-115		
Method Blank	K2501584-MB	14-Mar	310.1	Alkalinity, Total as CaCO3	1	1	2	**ND**	ND					
M4158	K2501584-001DUP	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	**1.2**	=				1.2	<1
M4158	K2501584-001MS	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	**26.9**	=	25.0	103	76-121		
T1201	K2501584-008DUP	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**3.2**	=				3.2	<1
T1201	K2501584-008MS	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**28.3**	=	25.0	100	76-121		
Laboratory Control Sample	K2501584-LCS	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**29.9**	=	30.1	99	92-106		
Laboratory Control Sample	K2501584-LCS	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**27.8**	=	30.1	92	92-106		
Method Blank	K2501584-MB	14-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**ND**	ND					
Method Blank	K2501584-MB	9-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**ND**	ND					
T1200	K2501584-007DUP	11-Mar	130.2	Hardness as CaCO3	1	0.6	2	**42**	=				42	<1
Laboratory Control Sample	K2501584-LCS	11-Mar	130.2	Hardness as CaCO3	1	0.6	2	**36**	=	34	106	85-115		
Method Blank	K2501584-MB	11-Mar	130.2	Hardness as CaCO3	1	0.6	2	**ND**	ND					
M4159	K2501584-002DUP	10-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.007**	=, J,*				0.006	33
M4159	K2501584-002MS	10-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.27**	=	0.25	106	90-110		
Laboratory Control Sample	K2501584-LCS	10-Mar	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.7**	=	3.9	94	90-110		
Laboratory Control Sample	K2501584-LCS	10-Mar	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.7**	=	3.9	94	90-110		
Method Blank	K2501584-MB	10-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
Method Blank	K2501584-MB	10-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
M4158	K2501584-001DUP	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**0.37**	=				0.37	<1
M4158	K2501584-001MS	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**2.80**	=	2.50	97	90-110		
Laboratory Control Sample	K2501584-LCS	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**3.23**	=	3.40	95	90-110		
Method Blank	K2501584-MB	15-Mar	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**ND**	ND					
M4158	K2501584-001DUP	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**0.4**	=, *				0.4	25
M4158	K2501584-001MS	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**22.2**	=	20.0	110	75-125		
Laboratory Control Sample	K2501584-LCS	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**5.9**	=	6.0	98	85-115		
Method Blank	K2501584-MB	21-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**ND**	ND					
M4158	K2501584-001DUP	14-Mar	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	**1.1**	=				1.2	17
M4158	K2501584-001MS	14-Mar	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	**20.9**	=	25.0	78	68-132		
T1201	K2501584-008DUP	9-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**3.7**	=				3.7	<1
T1201	K2501584-008MS	9-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**27.8**	=	25.0	96	68-132		
G1207-A	K2501584-019DUP	11-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**13.8**	=				13.7	1
G1207-A	K2501584-019MS	11-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**36.1**	=	25.0	90	68-132		
Laboratory Control Sample	K2501584-LCS	14-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**28.4**	=	30.1	94	90-109		
Laboratory Control Sample	K2501584-LCS	11-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**30.3**	=	30.1	101	90-109		
Laboratory Control Sample	K2501584-LCS	9-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**29.4**	=	30.1	98	90-109		
Method Blank	K2501584-MB	9-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**ND**	ND					
Method Blank	K2501584-MB	11-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**ND**	ND					
Method Blank	K2501584-MB	14-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**ND**	ND					
M4158	K2501584-001DMS	7-Mar	365.3	Phosphorus, Total	2	0.01	0.02	**1.05**	=	0.50	192	76-118		
M4158	K2501584-001DUP	7-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**0.10**	=				0.10	10
M4158	K2501584-001MS	7-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**0.55**	=	0.50	92	76-118		

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
Laboratory Control Sample	K2501584-LCS	7-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**3.08**	=	3.29	94	94-108		
Method Blank	K2501584-MB	7-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**ND**	ND					
M4158	K2501584-001DUP	8-Mar	160.3	Solids, Total	1			**32300**	=				31800	3
T1205	K2501584-012DUP	5-Mar	160.3	Solids, Total	1			**12400**	=				12550	2
M4157	K2501584-032DUP	9-Mar	160.3	Solids, Total	1			**31600**	=				30900	5
Laboratory Control Sample	K2501584-LCS	9-Mar	160.3	Solids, Total	1			**800**	=	825	97	85-115		
Laboratory Control Sample	K2501584-LCS	5-Mar	160.3	Solids, Total	1			**808**	=	774	104	85-115		
Laboratory Control Sample	K2501584-LCS	8-Mar	160.3	Solids, Total	1			**804**	=	774	104	85-115		
Method Blank	K2501584-MB	5-Mar	160.3	Solids, Total	1			**ND**	ND					
Method Blank	K2501584-MB	8-Mar	160.3	Solids, Total	1			**ND**	ND					
Method Blank	K2501584-MB	9-Mar	160.3	Solids, Total	1			**ND**	ND					
T1200	K2501584-007DUP	6-Mar	160.2	Solids, Total Suspended (TSS)	1	3	3	**6**	=				7	14
Laboratory Control Sample	K2501584-LCS	8-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	**208**	=	223	93	85-115		
Laboratory Control Sample	K2501584-LCS	6-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	**208**	=	223	93	85-115		
Method Blank	K2501584-MB	8-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND					
Method Blank	K2501584-MB	6-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	**ND**	ND					

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2502085														
T1207	K2502085-001DUP	2-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**40**	=				40	<1
Laboratory Control Sample	K2502085-LCS	2-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**50**	=	49	102	85-115		
Method Blank	K2502085-MB	2-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**ND**	ND					
T1207	K2502085-001DUP	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**7.7**	=				7.8	1
T1207	K2502085-001MS	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**31.5**	=	25.0	95	68-132		
M4200	K2502085-020DUP	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	**0.9**	=				1.0	10
M4200	K2502085-020MS	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	**47.0**	=	50.0	92	68-132		
Laboratory Control Sample	K2502085-LCS	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**29.4**	=	30.1	98	90-109		
Laboratory Control Sample	K2502085-LCS	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**27.8**	=	30.1	92	90-109		
Method Blank	K2502085-MB	25-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**ND**	ND					
Method Blank	K2502085-MB	24-Mar	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**ND**	ND					
T1207	K2502085-001DUP	29-Mar	130.2	Hardness as CaCO3	1	0.6	2	**50**	=				50	<1
Laboratory Control Sample	K2502085-LCS	29-Mar	130.2	Hardness as CaCO3	1	0.6	2	**36**	=	34	106	85-115		
Method Blank	K2502085-MB	29-Mar	130.2	Hardness as CaCO3	1	0.6	2	**ND**	ND					
T1207	K2502085-001DUP	24-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.04**	=, *				0.04	25
T1207	K2502085-001MS	24-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.27**	=	0.25	96	90-110		
Laboratory Control Sample	K2502085-LCS	24-Mar	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.95**	=	3.94	100	90-110		
Laboratory Control Sample	K2502085-LCS	24-Mar	350.1	Ammonia as Nitrogen	2	0.04	0.1	**3.79**	=	3.94	96	90-110		
Method Blank	K2502085-MB	24-Mar	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
Method Blank	K2502085-MB	24-Mar	350.1	Ammonia as Nitrogen	1	0.02	0.05	**ND**	ND					
T1207	K2502085-001DUP	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**0.40**	=				0.41	2
T1207	K2502085-001MS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**2.78**	=	2.50	95	90-110		
Laboratory Control Sample	K2502085-LCS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**3.18**	=	3.40	94	90-110		
Method Blank	K2502085-MB	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**0.01**	=, J					
T1207	K2502085-001DUP	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**0.6**	=				0.6	<1
T1207	K2502085-001MS	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**23.9**	=	20.0	117	75-125		
Laboratory Control Sample	K2502085-LCS	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**18.6**	=	19.4	96	85-115		
Method Blank	K2502085-MB	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**ND**	ND					
T1207	K2502085-001DUP	25-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**8.5**	=				8.5	1
T1207	K2502085-001MS	25-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**30.8**	=	25.0	90	68-132		
M4200	K2502085-020DUP	24-Mar	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	**1.0**	=				1.0	<1
M4200	K2502085-020MS	24-Mar	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	**44.3**	=	50.0	87	68-132		
Laboratory Control Sample	K2502085-LCS	24-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**28.8**	=	30.1	96	90-109		
Laboratory Control Sample	K2502085-LCS	25-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**29.3**	=	30.1	97	90-109		
Method Blank	K2502085-MB	24-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**ND**	ND					
Method Blank	K2502085-MB	25-Mar	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**ND**	ND					
T1207	K2502085-001DUP	29-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**0.08**	=				0.08	<1
T1207	K2502085-001MS	29-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**0.55**	=	0.50	94	76-118		
Laboratory Control Sample	K2502085-LCS	29-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**3.15**	=	3.29	96	94-108		
Method Blank	K2502085-MB	29-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**ND**	ND					
T1211	K2502085-005DUP	25-Mar	160.3	Solids, Total	1			**2680**	=				2760	6
M4205	K2502085-025DUP	28-Mar	160.3	Solids, Total	1			**30500**	=				31100	4
M4214	K2502085-033DUP	28-Mar	160.3	Solids, Total	1			**26500**	=				25800	6

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
T1221	K2502085-034DUP	25-Mar	160.3	Solids, Total	1			**101**	=				95	13
Laboratory Control Sample	K2502085-LCS	28-Mar	160.3	Solids, Total	1			**847**	=	905	94	85-115		
Laboratory Control Sample	K2502085-LCS	25-Mar	160.3	Solids, Total	1			**892**	=	905	99	85-115		
Method Blank	K2502085-MB	28-Mar	160.3	Solids, Total	1			**ND**	ND					
Method Blank	K2502085-MB	25-Mar	160.3	Solids, Total	1			**ND**	ND					
T1208	K2502085-002DUP	26-Mar	160.2	Solids, Total Suspended (TSS)	1	4	4	**158**	=				155	5
T1211	K2502085-005DUP	26-Mar	160.2	Solids, Total Suspended (TSS)	1	4	4	**34**	=				34	<1
M4201	K2502085-021DUP	28-Mar	160.2	Solids, Total Suspended (TSS)	1	2	2	**ND**	ND				ND	
Laboratory Control Sample	K2502085-LCS	28-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	**189**	=	213	89	85-115		
Laboratory Control Sample	K2502085-LCS	26-Mar	160.2	Solids, Total Suspended (TSS)	1	5	5	**200**	=	213	94	85-115		
Method Blank	K2502085-MB	26-Mar	160.2	Solids, Total Suspended (TSS)	1	2	2	**ND**	ND					
Method Blank	K2502085-MB	28-Mar	160.2	Solids, Total Suspended (TSS)	1	2	2	**ND**	ND					

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2502197														
T1305	K2502197-001DUP	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**17**	=				17	6
Laboratory Control Sample	K2502197-LCS	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**49**	=	49	100	85-115		
Method Blank	K2502197-MB	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**ND**	ND					
T1305	K2502197-001DUP	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**6.3**	=				6.3	<1
T1305	K2502197-001MS	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**30.7**	=	25.0	98	68-132		
Laboratory Control Sample	K2502197-LCS	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**29.2**	=	30.1	97	90-109		
Method Blank	K2502197-MB	4-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.5	**ND**	ND					
Laboratory Control Sample	K2502197-LCS	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	**24**	=	23	104	85-115		
Method Blank	K2502197-MB	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	**ND**	ND					
T1305	K2502197-001DUP	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.06**	=				0.06	<1
T1305	K2502197-001MS	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.30**	=	0.25	96	90-110		
Laboratory Control Sample	K2502197-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.62**	=	3.94	92	90-110		
Laboratory Control Sample	K2502197-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.64**	=	3.94	92	90-110		
Method Blank	K2502197-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
Method Blank	K2502197-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
Laboratory Control Sample	K2502197-LCS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**3.18**	=	3.40	94	90-110		
Method Blank	K2502197-MB	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**ND**	ND					
T1305	K2502197-001DUP	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**0.6**	=				0.6	<1
T1305	K2502197-001MS	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**19.1**	=	20.0	93	75-125		
Laboratory Control Sample	K2502197-LCS	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**19.2**	=	19.4	99	85-115		
Method Blank	K2502197-MB	1-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**ND**	ND					
T1305	K2502197-001DUP	4-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**6.8**	=				6.7	3
T1305	K2502197-001MS	4-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**29.9**	=	25.0	93	68-132		
Laboratory Control Sample	K2502197-LCS	4-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**29.2**	=	30.1	97	90-109		
Method Blank	K2502197-MB	4-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.5	**ND**	ND					
T1305	K2502197-001DUP	30-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**0.12**	=				0.12	8
T1305	K2502197-001MS	30-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**0.56**	=	0.50	90	76-118		
Laboratory Control Sample	K2502197-LCS	30-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**3.08**	=	3.29	94	94-108		
Method Blank	K2502197-MB	30-Mar	365.3	Phosphorus, Total	1	0.005	0.01	**ND**	ND					
Laboratory Control Sample	K2502197-LCS	1-Apr	160.3	Solids, Total	1			**912**	=	905	101	85-115		
Laboratory Control Sample	K2502197-LCS	1-Apr	160.3	Solids, Total	1			**872**	=	905	96	85-115		
Method Blank	K2502197-MB	1-Apr	160.3	Solids, Total	1			**ND**	ND					
T1301	K2502197-003DUP	2-Apr	160.2	Solids, Total Suspended (TSS)	1	3	3	**17**	=				17	6
Laboratory Control Sample	K2502197-LCS	2-Apr	160.2	Solids, Total Suspended (TSS)	1	5	5	**192**	=	213	90	85-115		
Method Blank	K2502197-MB	2-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	**ND**	ND					

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2502263														
G1210	K2502263-015DUP	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**190**	=				189	1
Lab Control Sample	K2502263-LCS	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**49**	=	49	100	85-115		
Method Blank	K2502263-MB	8-Apr	310.1	Alkalinity, Total as CaCO3	1	1	2	**ND**	ND					
M4250	K2502263-001DUP	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	**1.2**	=				1.3	8
M4250	K2502263-001MS	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	2	0.2	0.5	**35.3**	=	50.0	68	68-132		
Lab Control Sample	K2502263-LCS	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**27.5**	=	30.1	91	90-109		
Method Blank	K2502263-MB	5-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.1	0.25	**ND**	ND					
G1210	K2502263-015DUP	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	**68**	=				68	<1
Lab Control Sample	K2502263-LCS	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	**24**	=	23	104	85-115		
Method Blank	K2502263-MB	8-Apr	130.2	Hardness as CaCO3	1	0.6	2	**ND**	ND					
M4253	K2502263-004DUP	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.03**	=, *				0.04	25
M4253	K2502263-004MS	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	**0.28**	=	0.25	96	90-110		
Lab Control Sample	K2502263-LCS	8-Apr	350.1	Ammonia as Nitrogen	2	0.04	0.10	**3.66**	=	3.94	93	90-110		
Lab Control Sample	K2502263-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.04	0.1	**3.64**	=	3.94	92	90-110		
Method Blank	K2502263-MB	8-Apr	350.1	Ammonia as Nitrogen	1	0.02	0.05	**ND**	ND					
Method Blank	K2502263-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.004	0.01	**ND**	ND					
M4253	K2502263-004DUP	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**0.27**	=				0.27	<1
M4253	K2502263-004MS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**2.64**	=	2.50	95	90-110		
Lab Control Sample	K2502263-LCS	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**3.18**	=	3.40	94	90-110		
Method Blank	K2502263-MB	5-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.01	0.05	**0.01**	=, J					
M4253	K2502263-004DUP	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**1.3**	=				1.3	8
M4253	K2502263-004MS	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**50.7**	=	50.0	99	75-125		
Lab Control Sample	K2502263-LCS1	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**20.1**	=	19.4	104			
Lab Control Sample	K2502263-LCS2	4-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**17.7**	=	19.4	91			
Method Blank	K2502263-MB	4-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**ND**	ND					
Method Blank	K2502263-MB	31-Mar	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.07	0.1	**ND**	ND					
M4250	K2502263-001DUP	8-Apr	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	**1.1**	=				1.2	17
M4250	K2502263-001MS	8-Apr	415.1	Carbon, Total Organic (TOC)	2	0.2	0.5	**49.1**	=	50.0	96	68-132		
Lab Control Sample	K2502263-LCS	8-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**32.4**	=	32.6	99	90-109		
Method Blank	K2502263-MB	8-Apr	415.1	Carbon, Total Organic (TOC)	1	0.1	0.25	**ND**	ND					
M4253	K2502263-004DUP	4-Apr	365.3	Phosphorus, Total	1	0.005	0.01	**0.08**	=				0.08	<1
M4253	K2502263-004MS	4-Apr	365.3	Phosphorus, Total	1	0.005	0.01	**0.54**	=	0.50	92	76-118		
Lab Control Sample	K2502263-LCS	4-Apr	365.3	Phosphorus, Total	1	0.005	0.01	**3.13**	=	3.29	95	94-108		
Method Blank	K2502263-MB	4-Apr	365.3	Phosphorus, Total	1	0.005	0.01	**ND**	ND					
M4250	K2502263-001DUP	2-Apr	160.3	Solids, Total	1			**30800**	=				31100	2
M4262	K2502263-012DUP	2-Apr	160.3	Solids, Total	1			**30700**	=				30200	4
Lab Control Sample	K2502263-LCS	2-Apr	160.3	Solids, Total	1			**944**	=	905	104	85-115		
Method Blank	K2502263-MB	2-Apr	160.3	Solids, Total	1			**ND**	ND					
Lab Control Sample	K2502263-LCS	2-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	**196**	=	213	92	85-115		
Method Blank	K2502263-MB	2-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	**ND**	ND					

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2502392														
T1313	K2502392-001DUP	10-May	310.1	Alkalinity, Total as CaCO3	1	2	1	**24**	=, X				25	4
G1209	K2502392-025DUP	9-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	**160**	=				160	<1
Laboratory Control Sample	K2502392-LCS	10-May	310.1	Alkalinity, Total as CaCO3	1	2	1	**62**	=	62	100	85-115		
Laboratory Control Sample	K2502392-LCS	9-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	**47**	=	49	96	85-115		
Method Blank	K2502392-MB	9-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	**ND**	ND					
Method Blank	K2502392-MB	9-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	**ND**	ND					
T1313	K2502392-001DUP	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**5.4**	=				5.4	2
T1313	K2502392-001MS	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**29.6**	=	25.0	97	68-132		
T1324	K2502392-021DUP	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**1.8**	=				1.8	<1
T1324	K2502392-021MS	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**27.4**	=	25.0	102	68-132		
Laboratory Control Sample	K2502392-LCS	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**29.9**	=	30.1	99	90-109		
Laboratory Control Sample	K2502392-LCS	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**29.2**	=	30.1	97	90-109		
Method Blank	K2502392-MB	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**ND**	ND					
Method Blank	K2502392-MB	6-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**ND**	ND					
T1313	K2502392-001DUP	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	**45**	=				46	2
T1325	K2502392-022DUP	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	**37**	=				37	<1
Laboratory Control Sample	K2502392-LCS	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	**23**	=	23	100	85-115		
Laboratory Control Sample	K2502392-LCS	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	**24**	=	23	104	85-115		
Method Blank	K2502392-MB	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	**ND**	ND					
Method Blank	K2502392-MB	8-Apr	130.2	Hardness as CaCO3	1	2	0.6	**ND**	ND					
T1314	K2502392-002DUP	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**0.02**	=				0.02	<1
T1314	K2502392-002MS	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**0.26**	=	0.25	96	90-110		
T1323	K2502392-020DUP	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**0.01**	=				0.01	<1
T1323	K2502392-020MS	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**0.25**	=	0.25	96	90-110		
Laboratory Control Sample	K2502392-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.1	0.04	**3.6**	=	3.9	92	90-110		
Laboratory Control Sample	K2502392-LCS	6-Apr	350.1	Ammonia as Nitrogen	10	0.1	0.04	**3.6**	=	3.9	92	90-110		
Laboratory Control Sample	K2502392-LCS	8-Apr	350.1	Ammonia as Nitrogen	2	0.05	0.04	**3.66**	=	3.94	93	90-110		
Method Blank	K2502392-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**ND**	ND					
Method Blank	K2502392-MB	8-Apr	350.1	Ammonia as Nitrogen	1	0.05	0.02	**ND**	ND					
Method Blank	K2502392-MB	6-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**ND**	ND					
T1314	K2502392-002DUP	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**0.44**	=				0.45	2
T1314	K2502392-002MS	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**2.91**	=	2.50	98	90-110		
G1209	K2502392-025DUP	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.2	0.03	**0.80**	=				0.80	<1
G1209	K2502392-025MS	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.2	0.03	**3.22**	=	2.5	97	90-110		
Laboratory Control Sample	K2502392-LCS	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**3.22**	=	3.40	95	90-110		
Laboratory Control Sample	K2502392-LCS	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**3.25**	=	3.40	96	90-110		
Method Blank	K2502392-MB	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**ND**	ND					
Method Blank	K2502392-MB	13-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**ND**	ND					
T1313	K2502392-001DUP	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**0.3**	=				0.3	<1
T1313	K2502392-001MS	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**20.9**	=	20.0	103	75-125		
T1326	K2502392-023DUP	13-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**0.5**	=				0.5	<1
T1326	K2502392-023MS	13-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**21.1**	=	20.0	103	75-125		
Laboratory Control Sample	K2502392-LCS	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**19.2**	=	19.4	99	85-115		

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
Laboratory Control Sample	K2502392-LCS	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**19.4**	=	19.4	100	85-115		
Method Blank	K2502392-MB	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**ND**	ND					
Method Blank	K2502392-MB	12-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**ND**	ND					
T1313	K2502392-001DUP	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**6.3**	=				6.2	3
T1313	K2502392-001MS	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**30.9**	=	25.0	99	68-132		
T1324	K2502392-021DUP	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**2.2**	=				2.1	10
T1324	K2502392-021MS	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**26.5**	=	25.0	98	68-132		
Laboratory Control Sample	K2502392-LCS	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**33.4**	=	32.6	102	90-109		
Laboratory Control Sample	K2502392-LCS	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**33.2**	=	32.6	102	90-109		
Method Blank	K2502392-MB	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**ND**	ND					
Method Blank	K2502392-MB	7-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**ND**	ND					
T1313	K2502392-001DUP	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**0.08**	=				0.08	13
T1313	K2502392-001MS	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**0.56**	=	0.50	98	76-118		
T1323	K2502392-020DUP	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**0.06**	=				0.06	<1
T1323	K2502392-020MS	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**0.54**	=	0.50	96	76-118		
Laboratory Control Sample	K2502392-LCS	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**3.18**	=	3.29	97	94-108		
Laboratory Control Sample	K2502392-LCS	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**3.14**	=	3.29	95	94-108		
Method Blank	K2502392-MB	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**ND**	ND					
Method Blank	K2502392-MB	6-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**ND**	ND					
T1313	K2502392-001DUP	6-Apr	160.3	Solids, Total	1			**68**	=				65	9
G1219	K2502392-012DUP	7-Apr	160.3	Solids, Total	1			**328**	=				340	7
Laboratory Control Sample	K2502392-LCS	7-Apr	160.3	Solids, Total	1			**1430**	=	1400	102	85-115		
Laboratory Control Sample	K2502392-LCS	6-Apr	160.3	Solids, Total	1			**1390**	=	1400	99	85-115		
Method Blank	K2502392-MB	6-Apr	160.3	Solids, Total	1			**ND**	ND					
Method Blank	K2502392-MB	7-Apr	160.3	Solids, Total	1			**ND**	ND					
Laboratory Control Sample	K2502392-LCS	6-Apr	160.2	Solids, Total Suspended (TSS)	1	35	35	**360**	=	358	101	85-115		
Laboratory Control Sample	K2502392-LCS	7-Apr	160.2	Solids, Total Suspended (TSS)	1	20	20	**344**	=	358	96	85-115		
Laboratory Control Sample	K2502392-LCS	6-Apr	160.2	Solids, Total Suspended (TSS)	1	35	35	**343**	=	358	96	85-115		
Laboratory Control Sample	K2502392-LCS	7-Apr	160.2	Solids, Total Suspended (TSS)	1	35	35	**340**	=	358	95	85-115		
Method Blank	K2502392-MB	7-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	**ND**	ND					
Method Blank	K2502392-MB	6-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	**ND**	ND					

NOTE: All samples collected, processed, and analyzed in 2005

Columbia Analytical Services
PROJECT: FY05 Sinclair & Dyes Inlets Stormwater Study
Conventionals in Water, QC Sample Results
Result Units: mg/L

Sample	Batch ID - Lab Code	Date Analyzed	Method	Component	Dilution Factor	Detect Limit	Report Limit	Result	Result Notes	Spike Conc	% Rec	Accept Limits	Mean	RPD
QC Batch ID: K2502680														
Lab Control Sample	K2502680-LCS	15-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	**50**	=	49	102	85-115		
Method Blank	K2502680-MB	15-Apr	310.1	Alkalinity, Total as CaCO3	1	2	1	**ND**	ND					
T1300	K2502680-001DUP	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**10.6**	=				10.5	3
T1300	K2502680-001MS	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**35.5**	=	25.0	101	68-132		
Lab Control Sample	K2502680-LCS	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**33.4**	=	32.6	102	90-109		
Method Blank	K2502680-MB	13-Apr	415.1	Carbon, Dissolved Organic (DOC)	1	0.25	0.1	**ND**	ND					
T1300	K2502680-001DUP	20-Apr	130.2	Hardness as CaCO3	1	2	0.6	**48**	=				49	2
Lab Control Sample	K2502680-LCS	20-Apr	130.2	Hardness as CaCO3	1	2	0.6	**25**	=	23	109	85-115		
Method Blank	K2502680-MB	20-Apr	130.2	Hardness as CaCO3	1	2	0.6	**ND**	ND					
T1300	K2502680-001DUP	19-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**0.03**	=				0.03	<1
T1300	K2502680-001MS	19-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**0.27**	=	0.25	96	90-110		
Lab Control Sample	K2502680-LCS	19-Apr	350.1	Ammonia as Nitrogen	10	0.1	0.04	**3.80**	=	3.94	96	90-110		
Method Blank	K2502680-MB	8-Apr	350.1	Ammonia as Nitrogen	1	0.01	0.004	**ND**	ND					
T1300	K2502680-001DUP	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**0.43**	=				0.43	2
T1300	K2502680-001MS	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**2.87**	=	2.50	98	90-110		
Lab Control Sample	K2502680-LCS	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**3.36**	=	3.40	99	90-110		
Method Blank	K2502680-MB	14-Apr	353.2	Nitrate+Nitrite as Nitrogen	1	0.05	0.01	**0.02**	=, J					
Lab Control Sample	K2502680-LCS	21-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**20.8**	=	8.5	245	85-115		
Method Blank	K2502680-MB	21-Apr	351.4	Nitrogen, Total Kjeldahl (TKN)	1	0.1	0.07	**ND**	ND					
T1300	K2502680-001DUP	13-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**10.8**	=				11.1	5
T1300	K2502680-001MS	13-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**35.5**	=	25.0	97	68-132		
Lab Control Sample	K2502680-LCS	13-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**33.4**	=	32.6	102	90-109		
Method Blank	K2502680-MB	13-Apr	415.1	Carbon, Total Organic (TOC)	1	0.25	0.1	**ND**	ND					
T1300	K2502680-001DUP	19-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**0.10**	=				0.10	<1
T1300	K2502680-001MS	19-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**0.58**	=	0.50	96	76-118		
Lab Control Sample	K2502680-LCS	19-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**3.11**	=	3.29	95	94-108		
Method Blank	K2502680-MB	19-Apr	365.3	Phosphorus, Total	1	0.01	0.005	**ND**	ND					
Lab Control Sample	K2502680-LCS	14-Apr	160.3	Solids, Total	1			**1480**	=	1400	106	85-115		
Method Blank	K2502680-MB	14-Apr	160.3	Solids, Total	1			**ND**	ND					
Lab Control Sample	K2502680-LCS	14-Apr	160.2	Solids, Total Suspended (TSS)	1	5	5	**356**	=	358	99	85-115		
Method Blank	K2502680-MB	14-Apr	160.2	Solids, Total Suspended (TSS)	1	1	1	**ND**	ND					

NOTE: All samples collected, processed, and analyzed in 2005

QA Narratives: 2005 Storm Water Conventionals

(Listed based on Analytical Batch ID)

- K2500540, Gorst 1
- K2500600, Gorst 2
- K2501082, ENV200501
- K2501584, Sinclair 1, ENV200502
- K2502085, Sinclair 2, ENV200503
- K2502197, Dyes 1
- K2502263, ENV200504
- K2502392, Dyes 2, Baseflow 05
- K2502680, Dyes 1 Make-up

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2500540
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	1/21/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Twenty-six water samples were received for analysis at Columbia Analytical Services on 1/21/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

No anomalies associated with the analysis of these samples were observed.

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Approved by T-Cl **Date** 2/9/05

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Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

Alkalinity by EPA Method 310.1

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 2/9/05

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COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2500600
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	1/25/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Twenty-four water samples were received for analysis at Columbia Analytical Services on 1/25/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Total Solids (TS) by EPA Method 160.3

The initial analysis of sample G1112-A DUP 1 yielded a Relative Percent Difference (RPD) of 44% when compared to sample G1112-A. Since these samples appeared to be field duplicates, an investigation was conducted. All other QA/QC associated with this batch of samples was in control, so the next recourse was to reanalyze sample G112-A DUP 1. The results of the reanalysis did not agree with the initial determination, but did agree with the result from sample G1112-A. Thus, an error associated with the original analysis of G1112A-DUP A apparently occurred. The result from the reanalysis of G1112-A DUP 1 is reported, although it was performed outside the recommended hold time.

Since an apparent error was made during the initial analysis of sample G1112A-DUP 1, all associated samples in the batch were reanalyzed to check for inconsistencies. All results from the reanalysis of the associated samples agreed with the original analysis, which demonstrated the problem with G1112-A DUP 1 was confined to that sample. All raw data associated with the original analyses and the reanalyses is appended to the report. No further corrective action was appropriate.

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

No anomalies associated with the analysis of these samples were observed.

Approved by T. Cole **Date** 2/22/05 00005

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

The samples designated for DOC were received filtered and preserved with sulfuric acid.

No anomalies associated with the analysis of these samples were observed.

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

Alkalinity by EPA Method 310.1

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 2/22/05

00006

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2501082
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	2/11/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Thirty one water samples were received for analysis at Columbia Analytical Services on 2/11/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

No anomalies associated with the analysis of these samples were observed.

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

Approved by LAT **Date** 3/3/05

00005

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

The samples designated for DOC were received filtered and preserved with sulfuric acid.

The matrix spike recovery of Total and Dissolved Organic Carbon for sample M4100 was outside control criteria because of matrix interference (i.e. high inorganic chloride). The samples and associated MS/MSD were reanalyzed using an extended reaction but produced similar results. The results of the reanalysis using the extended reaction are reported. No further corrective action was appropriate.

The recovery of Dissolved Organic Carbon for the Laboratory Control Sample (LCS) was outside the lower control criterion by one percent. However, the result is within the manufacturer's Performance acceptance limits of 25.05–34.55 mg/L. The data is flagged to indicate the problem.

The Dissolved Organic Carbon concentration for sample M4110 is 1.2 mg/L compared to the Total Organic Carbon concentration of 0.9 mg/L. The sample was reanalyzed on 3/1/05 with confirming results of 1.3 mg/L for Dissolved Organic Carbon and 1.0 mg/L for Total Organic Carbon.

No other anomalies associated with the analysis of these samples were observed.

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

00006

Approved by _____ **Date** 3/3/05

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2501584
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	3/4/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Thirty-two water samples were received for analysis at Columbia Analytical Services on 3/4/05. The samples were received in good condition and consistent with the accompanying chain of custody form except as noted in the following comments. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Samples M4158, M4159, M4160, M4162, M4163, and M4164 were identified as "Freshwater" on the COC. However, the samples were actually seawater.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

The Relative Percent Difference (RPD) criterion for the replicate analysis of Ammonia as Nitrogen in sample M4159 is not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

Approved by _____ **Date** 3/31/05

No other anomalies associated with the analysis of these samples were observed.

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

Alkalinity by EPA Method 310.1

No anomalies associated with the analysis of these samples were observed.

Nitrogen, Total Kjeldahl by EPA Method 351.4

The Relative Percent Difference (RPD) criterion for the replicate analysis of Nitrogen, Total Kjeldahl in sample M4158 is not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 3/31/05

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2502085
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	3/235
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Thirty-four water samples were received for analysis at Columbia Analytical Services on 3/23/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

The Relative Percent Difference (RPD) criterion for the replicate analysis of Ammonia as Nitrogen in sample T1207is not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

No other anomalies associated with the analysis of these samples were observed.

Approved by T. Clt **Date** 4/8/05

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

Alkalinity by EPA Method 310.1

No anomalies associated with the analysis of these samples were observed.

Nitrogen, Total Kjeldahl by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Approved by_____ **Date** 4/8/05

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2502197
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	3/29/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Ten water samples were received for analysis at Columbia Analytical Services on 3/29/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 4/15/05

00005

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

Alkalinity by EPA Method 310.1

No anomalies associated with the analysis of these samples were observed.

Nitrogen, Total Kjeldahl by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 4/15/05

00006

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2502263
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	3/30/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Fifteen water samples were received for analysis at Columbia Analytical Services on 3/30/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

The Relative Percent Difference (RPD) criterion for the replicate analysis of Ammonia as Nitrogen in sample M4253is not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 4/14/05

00005

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

Alkalinity by EPA Method 310.1

No anomalies associated with the analysis of these samples were observed.

Nitrogen, Total Kjeldahl by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 4/14/05 00006

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2502392
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	4/5/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Twenty five water samples were received for analysis at Columbia Analytical Services on 4/5/05. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Alkalinity by EPA Method 310.1

Due to a sample tracking error at the laboratory, the analysis of samples T1313, T1314, T1308, T1309, T1310, T1311, T1312, T1315, T1315-A, T1315-B, T1315-C, and G1219 was performed past the recommended holding time. Efforts were made to analyze the samples as soon as the error was identified. The data is flagged to indicate the holding time violation.

No other anomalies associated with the analysis of these samples were observed.

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

Approved by LAt **Date** 5/12/05

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

Detection limits were dictated by the volume of sample available for analysis. Insufficient sample volume was received to perform a duplicate analysis. A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the duplicate for these samples.

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 5/12/05

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Battelle Marine Sciences Laboratory	**Service Request No.:**	K2502680
Project:	TMDL in Sinclair & Dyes Inlets	**Date Received:**	4/13/05
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One water sample was received for analysis at Columbia Analytical Services on 4/13/05. The sample was received in good condition and consistent with the accompanying chain of custody. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

General Comments

The results are reported to the CAS/Kelso Method Detection Limit (MDL), which is supported by MDL studies performed annually. The MDL studies are conducted according to 40 CFR Part 136, Appendix B.

For each analytical fraction a Laboratory Control Sample (LCS) was analyzed. The LCS is synonymous with a Standard Reference Material (SRM) for all analyses performed on these samples.

Total Solids (TS) by EPA Method 160.3

No anomalies associated with the analysis of these samples were observed.

Total Suspended Solids by EPA Method 160.2

Detection limits were dictated by the volume of sample available for analysis. No anomalies associated with the analysis of these samples were observed.

Nitrate + Nitrite by EPA Method 353.2

No anomalies associated with the analysis of these samples were observed.

Ammonia as Nitrogen by EPA Method 350.1

No anomalies associated with the analysis of these samples were observed.

Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC) by EPA Method 415.1

No anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 4/28/05

00005

Total Phosphorus by EPA Method 365.3

No anomalies associated with the analysis of these samples were observed.

Total Kjeldahl Nitrogen by EPA Method 351.4

No anomalies associated with the analysis of these samples were observed.

Hardness by EPA Method 130.2

No anomalies associated with the analysis of these samples were observed.

Alkalinity by EPA Method 310.1

No anomalies associated with the analysis of these samples were observed.

Approved by_____ **Date** 4/28/05

00006

Sample Custody Records: 2005 Storm Water Conventionals

- Chain of Custody
- Login Checksheets
- Battelle Sample Login
- CAS Sample Login

SAMPLE CHAIN OF CUSTODY FORM

Date: 3 December 2004

Page: 1 of 1

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

composite: Equipment Blank

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	CF # 2318 StationID	Storm#	Bottle # ~~Grab#~~	O/G Fall
	BST12-RB-1	12/2/04 12:47	W																			BSTD-RB	RB	1	50
	BST12-RB-2	12/2/04 18:32	W																			BST12-RB	RB	2	50
	BST12-RB-3	12/3/04 00:32	W																			BST12-RB	RB	3	50
	BST12-RB4	12/3/04 06:32	W																			BST12-RB	RB	4	50
																						TME	OME	ORG	
	BST12-RB	12/3/04 1700	W												X	X	X	X			1	1	2	3	CF 2318

Relinquished by: [signature] 12/3/04 1630
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: [signature] 12/3/04 1630
Signature Date Time
Battell JMBrandenberger
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

RB - Rinsate Blank

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 1 of 8

COC Number:

Gorst Storm # 1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road, Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Lab. Use only: Lab ID (2318)	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST		No. of containers	StationID	Storm#	Jar#	%Full
	T1100-A	1/17/05 0054	W																			LMK136	2005JAN171	1	100
	T1100-B	1/17/05 0354	W																			LMK136	2005JAN171	2	100
	T1100-C	1/17/05 0654	W																			LMK136		3	20
	T1100-D	1/17/05 0954	W																			LMK136		4	60
	T1100-E	1/17/05 1203	W																			LMK136		5	100
	T1100-F	1/17/05 1503	W																			LMK136		6	100
	T1100-G	1/17/05 1803	W																			LMK136		7	100
	T1100-H	1/17/05 2103	W																			LMK136		8	100
	T1100-I	1/18/05 0003	W																			LMK136		9	100
	T1100-J	1/18/05 0303	W																			LMK136		10	100 ~~85~~
	T1100-K	1/18/05 0603	W																			LMK136		11	85
TIME / DIME	composite																								
4 / 32	T1100	1/18/05 1000		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
60	ORG																								

Relinquished by: JM 1/18/05 1645
Signature Date Time
JD ESTES TEC
Printed Name Company

Received by: JM Brandenberger 1/18/05 1645
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 2 of 8

COC Number:

Worst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1101-A	1/16/05 2354	W																			GC	2005jan171	1	100
	T1101-B	1/17/05 0554	W																			GC		2	50
	T1101-C	1/17/05 1154	W																			GC		3	75
	T1101-D	1/17/05 1754	W																			GC		4	100
	T1101-E	1/17/05 2354	W																			GC		5	100
	T1101-F	1/18/05 0554	W																			GC		6	85
	~~T1101-G~~		~~W~~																			~~GC~~		~~7~~	
	~~T1101-H~~		~~W~~																			~~GC~~		~~8~~	
	~~T1101-I~~		~~W~~																			~~GC~~		~~9~~	
	~~T1101-J~~		~~W~~																			~~GC~~		~~10~~	
	~~T1101-K~~		~~W~~																			~~GC~~		~~11~~	
TME	DME	Composite:																							
5	33	T1101	1/18/05 2230		X	X	X	X	X	X	X	X	X	X	X	X	X	X			1				

Relinquished by:
Signature: [illegible] Date: 1/18/05 Time: 1645
Printed Name: JD Este Company: TEC

Received by:
Signature: Jm Brandenberger Date: 1/18/05 Time: 1645
Printed Name: Jm Brandenberger Company: Battelle

Relinquished by:
Signature: Date: Time:
Printed Name: Company:

Received by:
Signature: Date: Time:
Printed Name: Company:

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 3 of 8

COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road, Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST		No. of containers	StationID (corrected sample ID JMB 4/18/05)	Storm#	Jar#	%Full
	T1102-A	1/17/05 0001	W																			~~GCL~~	2005jan171	1	~~100~~ 95
	T1102-B	1/17/05 0601	W																			GCL		2	100
	T1102-C	1/17/05 1201	W																			GCL		3	100
	T1102-D	1/17/05 1801	W																			GCL		4	100
	T1102-E	1/18/05 0001	W																			GCL		5	100
	T1102-F	1/18/05 0601	W																			GCL		6	90
THE/OME	composite																								
6/34	T1102	1/19/05 0940		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
62	Organics																								

Relinquished by: 1/18/05 1645
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: 1/18/05 1645
Signature Date Time
Jim Brandenberger Battelle
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 4 of 8

COC Number:

Worst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pest		No. of containers	StationID	Storm#	Jar#	%Full
	T1103-A	1/17/05 0026	W																			AC	2005jan17	1	100
	T1103-B	1/17/05 0626	W																			AC		2	100
	T1103-C *	1/17/05 1226	W																			AC		3	100
	T1103-D *	1/17/05 1826	W																			AC		4	100
	T1103-E	1/18/05 0026	W																			AC		5	100
	T1103-F	1/18/05 0626	W																			AC		6	90
	~~T1103~~																								
TIME / DATE	Composite																								
7 / 35	T1103	1/19/05 0600		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			AC			
63	Organics																								

Relinquished by: 1/18/05 1645
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: 1/18/05 1645
Signature Date Time
Jmbrandenberger Battelle
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

* affected by debri.

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 5 of 8

COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1104-A	1/16/05 2357	W																			LMK122	2005jan171	1	100
	T1104-B	1/17/05 0257	W																			LMK122		2	100
	T1104-C	1/17/05 0557	W																			LMK122		3	100
	T1104-D	1/17/05 0857	W																			LMK122		4	100
	T1104-E	1/17/05 1157	W																			LMK122		5	100
	T1104-F	1/17/05 1457	W																			LMK122		6	100
	T1104-G	1/17/05 1757	W																			LMK122		7	100
	T1104-H	1/17/05 2057	W																			LMK122		8	100
	T1104-I	1/17/05 2357	W																			LMK122		9	100
	T1104-J	1/18/05 0257	W																			LMK122		10	100
	T1104-K	1/18/05 0557	W																			LMK122		11	100
TMC / pmE	Composite																								
#8 / #36	T2104	1/19/05 11:30	W	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x							
ORG	#64																								

Relinquished by: [signature] 1/18/05 1645
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: [signature] 1/18/05 1645
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 6 of 8

COC Number:

Worst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PESTICIDES		No. of containers	StationID	Storm#	Jar#	%Full
	T1105-A	1/17/05 0213	W																			LMK038	2005JAN17	1	100
	T1105-B	1/17/05 0513	W																			LMK038		2	100
	T1105-C	1/17/05 0813	W																			LMK038		3	100
	T1105-D	1/17/05 1113	W																			LMK038		4	100
	T1105-E	1/17/05 1413	W																			LMK038		5	100
	T1105-F	1/17/05 1713	W																			LMK038		6	100
	T1105-G	1/17/05 2013	W																			LMK038		7	100
	T1105-H	1/17/05 2313	W																			LMK038		8	100
	T1105-I	1/18/05 0213	W																			LMK038		9	100
	T1105-J	1/18/05 0513	W																			LMK038		10	100
TKE/DME																									
#9/#37	Composite	1/19/05 12:30	W	x	x	x	x	x	x	x	x	x	x	x	x	x	+	x	+						
ORG#65																									

Relinquished by: 1/18/05 1645
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: JM Brandenberger 1/18/05 1645
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 7 of 8

COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides		No. of containers	StationID	Storm#	Jar#	%Full
	T1106-A	1/17/05 0047	W																			PO-POBLVD	2005JAN171	1	100
	T1106-B	1/17/05 0347	W																			PO-POBLVD		2	100
	T1106-C	1/17/05 0647	W																			PO-POBLVD		3	100
	T1106-D	1/17/05 0947	W																			PO-POBLVD		4	100
	T1106-E	1/17/05 1247	W																			PO-POBLVD		5	100
	T1106-F	1/17/05 1547	W																			PO-POBLVD		6	100
	T1106-G	1/17/05 1847	W																			PO-POBLVD		7	100
	T1106-H	1/17/05 2147	W																			PO-POBLVD		8	100
	T1106-I	1/18/05 0047	W																			PO-POBLVD		9	100
	T1106-J	1/18/05 0347	W																			PO-POBLVD		10	100
TME/TME #40/#38	T1106-K	1/18/05 0647	W																			PO-POBLVD		11	90
ORG #60	Composite	1/19/05 12:30		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						

Relinquished by: [signature] 1/18/05 1645
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: Jm Brandenberger 1/18/05 1645
Signature Date Time
Jm Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Jan 17 05 12:28p Dr. R.K. Johnston 360-824-6279 p.1

Gorst Storm #1

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road, Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

2318*

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	Estimated Flow (CFS)
	G1101-A	01/17/05 10:45		X	X	X	X	X	X	X	X	X	X	X	X	X	X				1	KAR-WWTP	17-Jan-05	1	9.79 CFS
	G1101-B	01/17/05 12:31		X	X	X	X	X	X	X	X	X	X	X	X	X	X				1	KAR-WWTP	17-Jan-05	2	9.93 CFS
	G1101-C	01/17/05 3:30		X	X	X	X	X	X	X	X	X	X	X	X	X	X				1	KAR-WWTP	17-Jan-05	3	8.02 CFS
TIME	DATE																								
	Composite																								
12	40	G1101	1/18/05 2140		X	X	X	X	X	X	X	X	X	X	X	X	X	X			1	KAR-WWTP			

Relinquished by: 1/18/05 1050
Signature Date Time
Bryan Gallagher Karchner Creek
Printed Name Company

Received by: 1/18/05 1050
Signature Date Time
JD Estes TEC
Printed Name Company

Relinquished by: 1/18/05 1640
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: 1/18/05 1050
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 1 of 6

COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

CF#2318

THE RMG

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	%Full
#14 #42	G1103-A	1/17/05 0145	W			X	X						X	X	X	X						AC-LOW	2005jan171	TURBLOW 1	100
#15 #43	G1103-B	1/17/05 1130	W			X	X						X	X	X	X						AC-LOW	↓	TURB HI 2	100
#16 #44	G1103-C	1/17/05 2100	W			X	X						X	X	X	X						AC-LOW	↓	TURB MED 3	100
	CF																								

Relinquished by:

[signature] 1/18/05 1645

Signature Date Time

JD Estes TEC

Printed Name Company

Received by:

[signature] 1/18/05 1645

Signature Date Time

Jm Brandenberger Battelle

Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:

Signature Date Time

Printed Name Company

Received by:

Signature Date Time

Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 2 of 6

COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

CF# 2318

Lab. Use only: Lab ID (THE / DHE)	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID (GC-LOW)	Storm#	Grab#	%Full
#17 / #45	G1104-A	1/17/05 0130	W			X	X						X	X	X	X						GC-M	2005 Jan 17	TURB LOW 1	100
#18 / #46	G1104-B	1/17/05 1715	W			X	X						X	X	X	X						GC-M	↓	TURB HI 2	100
#19 / #47	G1104-C	1/17/05 2050	W			X	X						X	X	X	X						GC-M	↓	TURB MED 3	100

Relinquished by: [signature] 1/18/05 1645
Signature Date Time
JD Ests TEC
Printed Name Company

Received by: JM Brandenberger 1/18/05 1645
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 1/18/05
Page: 3 of 6
COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

CF# 2318

TME/DME Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	%Full
#20 #48	G1105-A	1/17/05 0155	W			X	X						X	X	X	X						WADOT-01A	2005Jan171	TURB MED 1	100
#21 #49	G1105-B	1/17/05 1105	W			X	X						X	X	X	X						WADOT-01A	↓	TURB HI 2	100
#22 #50	G1105-C	1/17/05 2110	W			X	X						X	X	X	X						WADOT-01A	↓	TURB MED 3	100
#67 #68	G1105-B-Dup	1/17/05 1107	W			X	X						X	X	X	X						WADOT-01A	2005Jan171	2-Dup TURB HI	100

Relinquished by: [signature] 1/18/05 1645
Signature Date Time
JD Estey TEC
Printed Name Company

Received by: [signature] 4/18/05 1645
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 4 of 6

COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

CFH 2318

TME | DME

Lab. Use only:

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	%Full
~~[illegible]~~	G1106-A	Sample not collected	W			~~X~~	~~X~~															WADOT-01B	2005Jan171	Dry 1	NA
24 52	G1106-B	1/17/05 1115	W			X	X						X	X	X	X						WADOT-01B	↓	TURBLAB 2	100
	G1106-C	Sample not collected				~~X~~	~~X~~															WADOT-01B	↓	Dry 3	NA

Relinquished by:

[signature] 1/18/05 1645

Signature Date Time

JD Estes TEC

Printed Name Company

Received by:

JMBrandenberger 1/18/05 1645

Signature Date Time

JM Brandenberger Battelle

Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:

Signature Date Time

Printed Name Company

Received by:

Signature Date Time

Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 5 of 6

COC Number:

Worst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road, Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

CF# 2318 TME/TME Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	%Full
#26 #54	G1107-A	1/17/05 0010	W			X	X						X	X	X	X						WADOT-02	2005 Jan 17	TURB HI 1	100
#27 #55	G1107-B	1/17/05 1045	W			X	X						X	X	X	X						WADOT-02	↓	TURB HI 2	100
#28 #56	G1107-C	1/17/05 2040	W			X	X						X	X	X	X						WADOT-02	↓	TURB HI 3	100

Relinquished by:
Signature: [signature] Date: 1/18/05 Time: 1645
Printed Name: JD Fost Company: TEC

Received by:
Signature: [signature] Date: 1/18/05 Time: 1645
Printed Name: Jim Brandenberger Company: Battelle

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/18/05

Page: 6 of 6

COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

AS PER TABLE 2-1 IN QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road, Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

CF# 2318 Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	%Full
29 | 57	G1108-A	1/17/05 0120	W			X	X						X	X	X	X						WADOT-03	2005Jan171	TURB HI 1	100
30 | 58	G1108-B	1/17/05 1050	W			X	X						X	X	X	X						WADOT-03	↓	TURB HI 2	100
31 | 59	G1108-C	1/17/05 2030	W			X	X						X	X	X	X						WADOT-03	✓	TURB HI 3	100

Relinquished by:
[signature] 1/18/05 1645
Signature Date Time
JD Estes TEC
Printed Name Company

Received by:
Jim Brandenberger 1/18/05 1645
Signature Date Time
Jim Brandenberger 1645 Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 1/18/05
Page: 8 of 8
COC Number:

Gorst Storm #1

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

2318 Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides		No. of containers	StationID	Storm#	Grab#	% Full
	T1114-A	1/17/05 0022	W																			AC-DUP	2005Jan17	1	100
	T1114-B	1/17/05 0622	W																			AC-DUP	X	2	100
	T1114-C	1/17/05 1222	W																			AC-DUP	X	3	100
	T1114-D	1/17/05 1822	W																			AC-DUP	X	4	100
	T1114-E	1/18/05 0022	W																			AC-DUP	X	5	100
	T1114-F	1/18/05 0622	W																			AC-DUP	X	6	90
TME DME																									
	Composite																								
69 70	T1114	1/19/05 0600		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			AC-DUP			
ORG #71																									

Relinquished by:
[signature] 1/18/05 1645
Signature Date Time
JD Esky TEC
Printed Name Company

Received by:
[signature] 1/18/05 1645
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 1 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2

As per Table 2-1 in QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road, Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

MSL 2318 * TME DHa ORG Lab. Use only: Lab ID			Sample ID (composite)	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	% Full
72	100	128	T1107-A	1/22/05 0642	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				LMK136	2005jan222	1	100
			T1107-B	1/22/05 0942	W																			LMK136	2005jan222	2	100
			T1107-C	1/22/05 1242	W																			LMK136	2005jan222	3	100
			T1107-D	1/22/05 1542	W																			LMK136	2005jan222	4	100
			T1107-E	1/22/05 1842	W																			LMK136	2005jan222	5	75

Relinquished by: [signature] 1/23/2005 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: D O'Rourke 1/23/05 1130
Signature Date Time
L O'Rourke Battelle MSL
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05
Page: 2 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Observations, Instructions

MSL 2318*
~~2138*~~ 1/24/05

THE Lab. Use only: Lab ID	DME composite Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics				No. of containers	StationID	Storm#	Jar#	% Full
73	101 T1108-A	1/22/05 0530	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X						GC	2005jan222	1	100
	T1108-B	1/22/05 1130	W																				GC	2005jan222	2	100
	T1108-C	1/22/05 1730	W																				GC	2005jan222	3	50

Relinquished by: [signature] 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: [signature] 1/23/05 1130
Signature Date Time
LORourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 3 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

MSL ~~2138*~~ 2318* Lao 1/24/05

TME Lab. only: Lab ID	DME Use	composite Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	% Full
74	102	T1109-A	1/22/05 0943	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X					GC-SAN	2005jan222	1	100
		T1109-B	1/22/05 1543	W																			GC-SAN	2005jan222	2	100
		T1109-C	1/22/05 2143	W																			GC-SAN	2005jan222	3	35

Relinquished by:
[signature] 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by:
[signature] 1/23/05 1130
Signature Date Time
LO'Rourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 5 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

MSL ~~2138~~* 2318 * 1/24/05

Lab. Use only: Lab ID (TME / DME / ORG)	Sample ID (composite)	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	% Full
75 103 129	T1111-A	1/22/05 0922	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				LMK122	2005jan222	1	100
	T1111-B	1/22/05 1222	W																			LMK122	2005jan222	2	100
	T1111-C	1/22/05 1522	W																			LMK122	2005jan222	3	100
	T1111-D	1/22/05 1822	W																			LMK122	2005jan222	4	100
	T1111-E	1/22/05 2122	W																			LMK122	2005jan222	5	50

Relinquished by: [signature] 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: LO Rourke 1/23/05 1130
Signature Date Time
LO Rourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 6 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

MSL ~~2138*~~ 2318* Luo 1/24/05

Lab. Use only: TME	DME	ORG	Sample ID (composite)	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	% Full
76	104	130	T1112-A	1/22/05 0821	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				LMK038	2005jan222	1	100
			T1112-B	1/22/05 1121	W																			LMK038	2005jan222	2	100
			T1112-C	1/22/05 1421	W																			LMK038	2005jan222	3	100
			T1112-D	1/22/05 1721	W																			LMK038	2005jan222	4	100
			T1112-E	1/22/05 2021	W																			LMK038	2005jan222	5	40

Relinquished by: [signature] 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: D O'Rourke 1/23/05 1130
Signature Date Time
D O'Rourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 7 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Lab Use only: Lab ID (MSL 2318*)	THE	DME	ORG	Sample ID (composite)	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	% Full
77	105	131		T1113-A	1/22/05 0028	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				POPOBLVD	2005jan222	1	100
				T1113-B	1/22/05 0528	W																			POPOBLVD	2005jan222	2	100
				T1113-C	1/22/05 1228	W																			POPOBLVD	2005jan222	3	100
				T1113-D	1/22/05 1528	W																			POPOBLVD	2005jan222	4	100
				T1113-E	1/22/05 1828	W																			POPOBLVD	2005jan222	5	80

Relinquished by: [signature] 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: LO Rourke 1/23/05 1130
Signature Date Time
LO Rourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 1/23/05
Page: 8 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

MSL 2315*

TME	DME	Lab. Use only: Lab ID	Composite	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	% Full
78	106			T1115-A	1/22/05 0538	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X					AC-DUP	2005jan222	1	100
				T1115-B	1/22/05 1138	W																			AC-DUP	2005jan222	2	100
				T1115-C	1/22/05 1738	W																			AC-DUP	2005jan222	3	100

Relinquished by: [signature] 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: [signature] 1/23/05 1130
Signature Date Time
L. D'Rouche Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 4 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

DO NOT PROCESS per RJK 1/23/05 JHB

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	% Full
	T1110-A	1/22/05 0957	W																			AC	2005jan222	1	100
	T1110-B	1/22/05 1557	W																			AC	2005jan222	2	100
	T1110-C	1/22/05 2157	W																			AC	2005jan222	3	30

Relinquished by: [signature] 1/23/05 1138
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: [signature] 1/23/05 1130
Signature Date Time
L O'Rourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 1 of ~~6~~ 5

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

MSL 2318*

TME Lab. Use only: Lab ID	DME	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm# 2005jan222	Grab#	% Full
81	109	G1112-A	1/22/05 0750	W			X	X						X	X	X	X						AC-LOW	2005jan222	1	100
82	110	G1112-B	1/22/05 1805	W			X	X						X	X	X	X						AC-LOW	2005jan222	2	100
83	111	G1112-C	1/22/05 2230	W			X	X						X	X	X	X						AC-LOW	2005jan222	3	100
99	127	G1112-A-Dup1	1/22/05 0753	W			X	X						X	X	X	X						AC-LOW	2005jan222	Dup1	100

Relinquished by:
[signature] 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by:
[signature] 1/23/05 1130
Signature Date Time
LO Rauke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 2 of ~~6~~ 5

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

MSL 2318* TME Lab. Use only: Lab ID	DME	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	GC-~~LOW~~ M StationID	2005jan222 Storm#	Grab#	% Full
84	112	G1113-A	1/22/05 1035	W			X	X						X	X	X	X						GC-M	2005jan222	1	100
85	113	G1113-B	1/22/05 1745	W			X	X						X	X	X	X						GC-M	2005jan222	2	100
86	114	G1113-C	1/22/05 2205	W			X	X						X	X	X	X						GC-M	2005jan222	3	100

JMD 1/31/05

Relinquished by:
[signature] 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by:
[signature] 1/23/05 1130
Signature Date Time
LO Rourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 3 of ~~6~~ 5

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

MSL 2318* TME Lab. Use only: Lab ID	DME	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	2005jan222 Storm#	Grab#	% Full
87	115	G1114-A	1/22/05 0733	W			X	X						X	X	X	X						WADOT-01A	2005jan222	1	100
88	116	G1114-B	1/22/05 1750	W			X	X						X	X	X	X						WADOT-01A	2005jan222	2	100
89	117	G1114-C	1/22/05 2220	W			X	X						X	X	X	X						WADOT-01A	2005jan222	3	100

Relinquished by: 1/23/05 1130
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: 1/23/05 1130
Signature Date Time
L. O'Rourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: 48 of ~~48~~ 5

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

MSL 2318* TME Lab. Use only: Lab ID	DME	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	2005jan222 Storm#	Grab#	% Full
93	121	G1116-A	1/22/05 0719	W			X	X						X	X	X	X						WADOT-02	2005jan222	1	100
94	122	G1116-B	1/22/05 1725	W			X	X						X	X	X	X						WADOT-02	2005jan222	2	100
95	123	G1116-C	1/22/05 2145	W			X	X						X	X	X	X						WADOT-02	2005jan222	3	100

Relinquished by: 1/23/05 1130
Signature Date Time
Brian Ryer TEC
Printed Name Company

Received by: 1/23/05 1130
Signature Date Time
L O'Rourke Battelle MSL
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/23/05

Page: ~~4~~ 5 of ~~4~~ 5

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Storm #2
as per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

MSL 2318* TME Lab. Use only: Lab ID	DME	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm# (2005jan222)	Grab#	% Full
96	124	G1117-A	1/22/05 0725	W			X	X						X	X	X	X						WADOT-03	2005jan222	1	100
97	125	G1117-B	1/22/05 1735	W			X	X						X	X	X	X						WADOT-03	2005jan222	2	100
98	126	G1117-C	1/22/05 2155	W			X	X						X	X	X	X						WADOT-03	2005jan222	3	100

Relinquished by:
Signature: [signature] Date: 1/23/05 Time: 1130
Printed Name: Brian Rupert Company: TEC

Received by:
Signature: [signature] Date: 1/23/05 Time: 1130
Printed Name: L O Rourke Company: Battelle MSL

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Jan 20 05 12:33a Dr. R.K. Johnston 360-824-6279 p.2

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/22/05

Page: 1 of 1

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

MSL 2318 *

Testing Parameters

Observations, Instructions

TME Lab. Use only: Lab ID	DME	Sample ID (composite)	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	Estimated Flow (CFS)
		G1110-A	0730 1/22/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	GORST2	#1	1.86 CFS
80	108	G1110-B	1100 1/22/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	GORST2	#2	3.56 CFS
		G1110-C	1500 1/22/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	GORST2	#3	3.56 CFS

Relinquished by:
[signature] 1/22/05 3:00
Signature Date Time
Bryan Gallagher Karcher Creek
Printed Name Company

Received by:
[signature] 1/22/05 1500
Signature Date Time
Dave Metallo TEC, inc.
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
[signature] 1/23/05 1130
Signature Date Time
L.O Rourke Battelle MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

COC Number: _____ **CHAIN OF CUSTODY FORM** Page: 1 of 9

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets

Date:
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Observations, Instructions

CF# TME DME
132 133

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containe	StationID	Cruise or Storm#	Jar#	% Full
132/133	M4100	2/9/2005 07430 AM	H2O									x	x	x							1	P3	2005ENV01		95
	M4100SAL	2/9/2005 0743 AM	H2O																	x	1	P3	2005ENV01		95
134/135	M4101	2/9/2005 0805 AM	H2O									x	x	x							1	P2	2005ENV01		95
	M4101SAL	2/9/2005 0805 AM	H2O																	x	1	P2	2005ENV01		95
136/137	M4102	2/9/2005 0805 AM	H2O									x	x	x							1	P2 DUP	2005ENV01		95
	M4102SAL	2/9/05 1313 PM	H2O																	x	1	P2 DUP	2005ENV01		95
138/139	M4103	2/9/2005 0841 AM	H2O									x	x	x							1	P1	2005ENV01		95
	M4103SAL	2/9/2005 0841 AM	H2O																	x	1	P1	2005ENV01		95
140/141	M4104	2/9/2005 0930 AM	H2O									x	x	x							1	M4	2005ENV01		95
	M4104NUTSHG	2/9/2005 0930 AM	H2O															x	x		1	M4	2005ENV01		95
	M4104SAL	2/9/2005 0930 AM	H2O																	x	1	M4	2005ENV01		95
142/143	M4105	2/9/2005 0951 AM	H2O									x	x	x							1	M3.3	2005ENV01		95
	M4105SAL	2/9/2005 0951 AM	H2O																	x	1	M3.3	2005ENV01		95
144/145	M4106	2/9/2005 1015 AM	H2O									x	x	x							1	SN12	2005ENV01		95
	M4106SAL	2/9/2005 1015 AM	H2O																	x	1	SN12	2005ENV01		95
146/147	M4107	2/9/2005 1030 AM	H2O									x	x	x							1	BJ-EST	2005ENV01		95
	M4107SAL	2/9/2005 1030 AM	H2O																	x	1	BJ-EST	2005ENV01		95
148/149	M4108	2/9/2005 1054 AM	H2O									x	x	x							1	M3.1	2005ENV01		95
	M4108NUTSHG	2/9/2005 1054 AM	H2O															x	x		1	M3.1	2005ENV01		95
	M4108SAL	2/9/2005 1054 AM	H2O																	x	1	M3.1	2005ENV01		95
150/151	M4109	2/9/2005 1201 PM	H2O									x	x	x				x	x		1	M6	2005ENV01		95
	M4109NUTSHG	2/9/2005 1201 PM	H2O															x	x		1	M6	2005ENV01		95
	M4109SAL	2/9/2005 1201 PM	H2O																	x	1	M6	2005ENV01		95
152/153	M4110	2/9/2005 1110 AM	H2O									x	x	x							1	DY01	2005ENV01		95
	M4110SAL	2/9/2005 1110 AM	H2O																	x	1	DY01	2005ENV01		95
154/155	M4112	2/9/2005 0914 AM	H2O									x	x	x							1	PL01	2005ENV01		95
	M4112SAL	2/9/2005 0914 AM	H2O																	x	1	PL01	2005ENV01		95
156/157	M4113	2/9/2005 1045 AM	H2O									x	x	x							1	PL02	2005ENV01		95
	M4113SAL	2/9/2005 1045 AM	H2O																	x	1	PL02	2005ENV01		95
158/159	M4114	2/9/2005 1225 PM	H2O									x	x	x							1	PL03	2005ENV01		95
	M4114SAL	2/9/2005 1225 PM	H2O																	x	1	PL03	2005ENV01		95

Relinquished by: [signature] 02-09-05 1610
Signature Date Time
Brooks H Walpole PSNS
Printed Name Company

Received by: [signature] 2/9/05 1610
Signature Date Time
J M Brandenberger Battelle
Printed Name Company

Total # of Containers 30
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

COC Number: _____ **CHAIN OF CUSTODY FORM** Page: 1 of 9

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets

Date:
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Observations, Instructions

Lab. Use only: Lab ID	TIME	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containe	StationID	Cruise or Storm#	Jar#	% Full
		M4100-TS	2/9/2005 1301 PM	H2O			x	x														1	P3	2005ENV01		95
		M4101-TS	2/9/2005 1313 PM	H2O			x	x														1	P2	2005ENV01		95
		M4102-TS	2/9/05 1313 PM	H2O			x	x															P2 DUP	2005ENV01		95
		M4103-TS	2/9/2005 0841 AM	H2O			x	x														1	P1	2005ENV01		95
		M4104-TS	2/9/2005 0930 AM	H2O			x	x														1	M4	2005ENV01		95
		M4105-TS	2/9/2005 0951 AM	H2O			x	x														1	M3.3	2005ENV01		95
		M4106-TS	2/9/2005 1015 AM	H2O			x	x														1	SN12	2005ENV01		95
		M4107-TS	2/9/2005 1030 AM	H2O			x	x														1	BJ-EST	2005ENV01		95
		M4108-TS	2/9/2005 1054 AM	H2O			x	x														1	M3.1	2005ENV01		95
		M4109-TS	2/9/2005 1201 PM	H2O			x	x														1	M6	2005ENV01		95
		M4110-TS	2/9/2005 1110 AM	H2O			x	x														1	DY01	2005ENV01		95
		M4112-TS	2/9/2005 0914 AM	H2O			x	x														1	PL01	2005ENV01		95
		M4113-TS	2/9/2005 1045 AM	H2O			x	x														1	PL02	2005ENV01		95
		M4114-TS	2/9/2005 1225 PM	H2O			x	x														1	PL03	2005ENV01		95

Relinquished by: [illegible] 02-09-05 1610
Signature Date Time
Brooks H Walpole PSNS
Printed Name Company

Received by: JM Brandenberger 2/9/05 1610
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers 14
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1206-A	2/28/05 1732	W																			PSNS126	2005Feb281	1	100
	T1206-B	2/28/05 2032	W																			PSNS126		2	100
	T1206-C	2/28/05 2332	W																			PSNS126		3	100
	T1206-D	3/1/05 0232	W																			PSNS126		4	100
	T1206-E	3/1/05 0532	W																			PSNS126		5	100
	T1206-F	3/1/05 0832	W																			PSNS126		6	100
	T1206-G	3/1/05 1132	W																			PSNS126		7	50
	~~T1206-H~~		~~W~~																			~~PSNS126~~		~~8~~	
TME/DME 172/173 ORG-238	Flow Composite	T1206 3/2/05 1940		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							

Relinquished by: 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: 3/2/05 0930
Signature Date Time
Jim Brandenberger Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
2318 *																									
	T1205-A	2/28/05 1726	W																			PSNS124	2005FEB281	1	100
	T1205-B	2/28/05 2026	W																			PSNS124		2	100
	T1205-C	2/28/05 2326	W																			PSNS124		3	100
	T1205-D	3/1/05 0226	W																			PSNS124		4	100
	T1205-E	3/1/05 0526	W																			PSNS124		5	100
	T1205-F	3/1/05 0826	W																			PSNS124		6	100
	T1205-G	3/1/05 1126	W																			PSNS124		7	45
	~~T1205-H~~		~~W~~																			~~PSNS124~~		~~8~~	
TME/DME	Flowcomp T1205	3/2/05 1930		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
170/171																									
ORG	237																								

Relinquished by: 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: JM Brandenberger 3/2/05 0930
Signature Date Time
Jim Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST		No. of containers	StationID	Storm#	Jar#	%Full
	T1204-A	2/28/05 1741	W																			PSNS015	2005Feb281	1	100
	T1204-B	2/28/05 2041	W																			PSNS015		2	100
	T1204-C	2/28/05 2341	W																			PSNS015		3	100
	T1204-D	3/1/05 0241	W																			PSNS015		4	100
	T1204-E	3/1/05 0541	W																			PSNS015		5	100
	T1204-F	3/1/05 0841	W																			PSNS015		6	100
	T1204-G	3/1/05 1141	W																			PSNS015		7	95
	~~T1204-H~~		~~W~~																			~~PSNS015~~		~~8~~	
TME/DME 168/169 ORG-2316	Flow composite T1204	3/2/05 1910		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						

Relinquished by:	Received by:	Total # of Containers
Signature: [signature] Date: 3/2/05 Time:	Signature: Jm Brandenberger Date: 3/2/05 Time: 0930	Shipment Method:
Printed Name: Brian Rupert Company: TEC	Printed Name: Jm Brandenberger Company: Battelle	Special Requirements or Conditions:
		Sample Disposition:
Relinquished by:	Received by:	Distribution:
Signature: Date: Time:	Signature: Date: Time:	1) 2 copies to the Laboratory
Printed Name: Company:	Printed Name: Company:	2) 1 copy to project manager
		3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Observations, Instructions

2318 * Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1203-A	2/28/05 1452	W																			B-ST/CSO16	2005Feb28	1	100
	T1203-B	2/28/05 1752	W																			B-ST/CSO16		2	100
	T1203-C	2/28/05 2052	W																			B-ST/CSO16		3	100
	T1203-D	2/28/05 2352	W																			B-ST/CSO16		4	100
	T1203-E	3/1/05 0252	W																			B-ST/CSO16		5	100
	T1203-F	3/1/05 0552	W																			B-ST/CSO16		6	100
	T1203-G	3/1/05 0852	W																			B-ST/CSO16		7	100
	~~T1203-H~~		~~W~~																			~~B-ST/CSO16~~		~~8~~	
TME/OME																									
166/167	Flow composite	3/2/05 1850		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ORG-235																									

Relinquished by: [signature] 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: [signature] 3/2/05 0930
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
2318*																									
	T1202-A	2/28/05 1521	W																			B-ST28	2005 FEB 28	1	50%
	T1202-B	2/28/05 1821	W																			B-ST28		2	100%
	T1202-C	2/28/05 2121	W																			B-ST28		3	100%
	T1202-D	3/1/05 0021	W																			B-ST28		4	100%
	T1202-E	~~3/1/05 0321~~	W																			B-ST28		5	0% Full ①
	T1202-F	3/1/05 0621	W																			B-ST28		6	45%
	T1202-G	3/1/05 0921	W																			B-ST28		7	100%
	~~T1202-H~~	BR	~~W~~																			~~B-ST28~~		~~8~~	
	Flow																								
TIME/DATE	Composite																								
164/165	T1202	3/2/05 1830		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
ORG-	234																								

Relinquished by: _____ 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: _____ 3/2/05 0930
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by: _____
Signature Date Time
Printed Name Company

Received by: _____
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

 ① 0800 Sample Taken

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST		No. of containers	StationID	Storm#	Jar#	%Full
2318 *																									
	T1201-A	2/28/05 1558	W																			OC	2005 FEB 28	1	100%
	T1201-B	2/28/05 2158	W																			OC		2	100%
	T1201-C	3/1/05 0358	W																			OC		3	100%
	T1201-D	3/1/05 0958	W																			OC		4	20%
TME/DME																									
162/163	T1201 Composite	3/2/05 1801		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
ORG-233																									
	Equal Composite of A, B, C and 1/4 portion of D.																								

Relinquished by: [signature] 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: [signature] 3/2/05 0930
Signature Date Time
Jim Brandenberger Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pest		No. of containers	StationID	Storm#	Jar#	%Full
CF 2318 *																									
	T1200-A	2/28/05 1538	W																			BL	2005 FEB 28	1	100%
	T1200-B	2/28/05 2138	W																			BL		2	100%
	T1200-C	3/1/05 0338	W																			BL		3	100%
	T1200-D	3/1/05 0938	W																			BL		4	30%
	~~T1200-BR~~																								
TME 160	DME 161																								
	T1200 composite	3/2/05 1945		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	+						
ORG 232																									
	Equal composites of A, B, and C. 1/4 ratio for D due to 30% full of jar.																								

Relinquished by: _____ 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: JMBrauser 3/2/05 0930
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by: _____
Signature Date Time
Printed Name Company

Received by: _____
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 03-01-05

Page: 1 of 1

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay
Sequim, WA 98382

Attention: Jill Brandenberger

Per SOW

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#
	G1200-A	03-1-05 0725	W																			Brem WWTP	2005 March 01	1
	G1200-B	03-1-05 0855	W																			B-WWTP		2
	G1200-C	03-1-05 11:10	W																			B WWTP		3
TIME/DATE	Composite																							
174/175	G1200	3/2/05 2130		X	X	X	X	X	X	X	X	X	X	X	X	X	X							

Relinquished by:
JOHN DYKONEN 3-1-05 1415
Signature Date Time
JOHN DYKONEN CITY OF BREM WWTP
Printed Name Company

Received by:
3/1/05 1415
Signature Date Time
Brian Rupert TEC, INC
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditio
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
3/2/05 0930
Signature Date Time
Jm Brandenberger Battelle
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Labor

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/1/05
Page: 1 of 1
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	Estimated Flow (CFS)
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					~~KAR-WWTP~~	~~17-Jan-05~~		
	~~Code should be G~~			X	X	X	X	X	X	X	X	X	X	X	X	X	X					~~KAR-WWTP~~	~~17-Jan-05~~		
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					~~KAR-WWTP~~	~~17-Jan-05~~		
	G1201-A	8:00 3/1/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	1-Mar-05	1	3.6 CFS
	G1201-B	10:30 3/1/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X					Kar-WWTP	1-Mar-05	2	3.9 CFS
	G1201-C	12:45 3/1/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	1-Mar-05	3	3.0 CFS
DME/DME 176/177	Composite	3/2/05 2115		X	X	X	X	X	X	X	X	X	X	X	X	X	X								

Relinquished by:
[signature] 3/1/05 1:00
Signature Date Time
Bryan Gallagher Karcher Creek
Printed Name Company

Received by:
[signature] 3/1/05 1344
Signature Date Time
Brian Rupert TEC
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
[signature] 3/2/05 938
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:
Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	#2318 TME / DME
	G1205-A	2/28/05 1705	W			X	X						X	X								WADOT-1A	2005feb281	1	180 181
	G1205-B	2/28/05 2238	W			X	X						X	X								WADOT-1A	↓	2	182 183
	G1205-C	3/1/05 1081	W			X	X						X	X								WADOT-1A	↓	3	184 185

Relinquished by: [signature] 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: [signature] 3/2/05 0930
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	#2318 THE	#2318 DME
	G1207-A	2/28/05 1645	W			X	X						X	X	X	X						WADOT-02	2005feb281	1	192	193
	G1207-B	2/28/05 2306	W			X	X						X	X	X	X						WADOT-02	1	2	194	195
	G1207-C	3/1/05 1610	W			X	X						X	X	X	X						WADOT-02	1	3	196	197
THE 2318-180																										
DME 2318-181																										
MW 3/2/05																										

Relinquished by: [signature] 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: [signature] 3/2/05 0930
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	#2318 TME	/DME
	G1208-A	2/28/05 1655	W			X	X						X	X	X	X						WADOT-03	2005Feb281	1	198	199
	G1208-B	2/28/05 2216	W			X	X						X	X	X	X						WADOT-03		2	200	201
	G1208-C	3/1/05 1018	W			X	X						X	X	X	X						WADOT-03		3	202	203

Relinquished by: [signature] 3/2/05
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: [signature] 3/2/05 0930
Signature Date Time
Jill Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

COC Number: 2005ENV02

CHAIN OF CUSTODY FORM

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

Date:
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Event: Sinclair Marine and Nearshore

Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382
ATTN: Jill Brandenburg

2318*
TME/DME

Lab. Use only: Lab ID	Sample ID	Collection Date	Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Cruise or Storm#	Observations, Instructions: Jar#	% Full
204/205	M4150	3/2/05	6/1900 6:53A	H2O									x	x	x							1	P3	2005ENV02		95
	M4150SAL	3/2/05	6:53:00	H2O																	x	1	P3	2005ENV02		95
206/207	M4151	3/2/05	1900 7100:00	H2O									x	x	x							1	P2	2005ENV02		95
	M4151SAL	3/2/05	900 7:1000:0	H2O																	x	1	P2	2005ENV02		95
210/211	M4152	3/2/05	7:52:00	H2O									x	x	x							1	P1	2005ENV02		95
	M4152SAL	3/2/05	7:52:00	H2O																	x	1	P1	2005ENV02		95
212/213	M4153	3/2/05	8:23:00	H2O									x	x	x							1	M4	2005ENV02		95
	M4154NUTSHG	3/2/05	8:23:00	H2O															x	x		1	M4	2005ENV02	Not Recd	95
	M4154SAL	3/2/05	8:23:00	H2O																	x	1	M4	2005ENV02		95
	M4154NUTSHG	3/2/05	8:23:00	H2O															x	x		1	M4 DUP	2005ENV02	Not Rec'd	95
	M4154SAL	3/2/05	8:23:00	H2O																	x	1	M4 DUP	2005ENV02		95
208/209	M4154 DUP	3/2/05	8:23:00	H2O									x	x	x								M4 DUP	2005ENV02		95
214/215	M4155	3/2/05	8:46:00	H2O									x	x	x							1	M3.3	2005ENV02		95
	M4155SAL	3/2/05	8:46:00	H2O																	x	1	M3.3	2005ENV02		95
216/217	M4156	3/2/05	9:00:00	H2O									x	x	x							1	SN12	2005ENV02		95
	M4156SAL	3/2/05	9:00:00	H2O																	x	1	SN12	2005ENV02		95
218/219	M4157	3/2/05	9:14:00	H2O									x	x	x							1	BJ-EST	2005ENV02		95
	M4157SAL	3/2/05	9:14:00	H2O																	x	1	BJ-EST	2005ENV02		95
220/221	M4158	3/2/05	9:47:00	H2O									x	x	x							1	M3.1	2005ENV02		95
	M4158NUTSHG	3/2/05	9:47:00	H2O															x	x		1	M3.1	2005ENV02		95
	M4158SAL	3/2/05	9:47:00	H2O																	x	1	M3.1	2005ENV02		95
222/223	M4159	3/2/05	11:17:00	H2O									x	x	x				x	x		1	M6	2005ENV02		95
	M4159NUTSHG	3/2/05	11:17:00	H2O															x	x		1	M6	2005ENV02		95
	M4159SAL	3/2/05	11:17:00	H2O																	x	1	M6	2005ENV02		95
M4160	~~M4160~~	3/2/05	9:58:00	H2O	224/225								x	x	x							1	DY01	2005ENV02		95
M4160SAL	~~M4160SAL~~	3/2/05	9:58:00	H2O																	x	1	DY01	2005ENV02		95
230/231	M4162	3/2/05	8:40:00 AM	H2O									x	x	x							1	PL04	2005ENV02		95
	M4162SAL	3/2/05	8:40:00 AM	H2O																	x	1	PL04	2005ENV02		95
226/227	M4163	3/2/05	9:31:00	H2O									x	x	x							1	PL05	2005ENV02		95
	M4163SAL	3/2/05	9:31:00	H2O																	x	1	PL05	2005ENV02		95
228/229	M4164	3/2/05	10:51:00	H2O									x	x	x							1	PL06	2005ENV02		95
	M4164SAL	3/2/05	10:51:00	H2O																	x	1	PL06	2005ENV02		95

m4 = m4153
m4 DUP = m4154

Relinquished by: Vickie Whitney 3/2/05
Signature Date Date Time
Printed Name Company Company

Received by: JM Brauer 3/2/05 1519
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers 30
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Date Time
Printed Name Company Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

COC Number: 2005ENV0 2005ENV02

CHAIN OF CUSTODY FORM

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

Date:
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Event: Sinclair Marine and Nearshore

Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382
ATTN: Jill Brandenburg

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date	Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containers	StationID	Cruise or Storm#	Jar#	% Full
	M4150-TS	3/2/05	6:53:00	H2O			x	x														1	P3	2005ENV02		95
	M4151-TS	3/2/05	7:10AM	H2O			x	x														1	P2	2005ENV02		95
	M4152-TS	3/2/05	7:52:00	H2O			x	x														1	P1	2005ENV02		95
M4154	~~M4153-TS~~	3/2/05	8:23:00	H2O			x	x														1	M4	2005ENV02		95
	M4154-TS DUP	3/2/05	8:23:00	H2O			x	x														1	M4 DUP	2005ENV02		95
	M4155-TS	3/2/05	8:46:00	H2O			x	x														1	M3.3	2005ENV02		95
	M4156-TS	3/2/05	9:00:00	H2O			x	x														1	SN12	2005ENV02		95
	M4157-TS	3/2/05	9:14:00	H2O			x	x														1	BJ-EST	2005ENV02		95
	M4158-TS	3/2/05	9:47:00	H2O			x	x														1	M3.1	2005ENV02		95
	M4159-TS	3/2/05	9:58:00	H2O			x	x														1	M6	2005ENV02		95
	M4160-TS	3/2/05	11:17:00	H2O			x	x														1	DY01	2005ENV02		95
	M4162-TS	3/2/05	8:40:00 AM	H2O			x	x														1	PL04	2005ENV02		95
	M4163-TS	3/2/05	9:31:00	H2O			x	x														1	PL05	2005ENV02		95
	M4164-TS	3/2/05	10:51:00	H2O			x	x														1	PL06	2005ENV02		95

Original correct JMB

Relinquished by: Vickie Whitney 3/2/05 1300
Signature Date Date Time
Printed Name Compan Company

Received by: JM Brand 3/2/05 1519
Signature Date Time
JM Brandenburg Battelle
Printed Name Company

Total # of Containers 14
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Date Time
Printed Name Compan Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

COC Number: 2005ENV03

CHAIN OF CUSTODY FORM

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets

Date: March 21, 2005
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containe	StationID	Cruise or Storm#	TME/DME Jar#	% Full
	M4200	3/21/05	6:46:00	H2O									x	x	x	X						1	P3	2005ENV03	239/240	95
	M4200SAL	3/21/05	6:46:00	H2O																	x	1	P3	2005ENV03		95
	M4201	3/21/05	7:10:00	H2O									x	x	x	X						1	P2	2005ENV03	241/242	95
	M4201SAL	3/21/05	7:10:00	H2O																	x	1	P2	2005ENV03		95
	M4202	3/21/05	7:47:00	H2O									x	x	x	X						1	P1	2005ENV03	243/244	95
	M4202SAL	3/21/05	7:47:00	H2O																	x	1	P1	2005ENV03		95
	M4203	3/21/05	8:29:00	H2O									x	x	x	X						1	M4	2005ENV03	245/246	95
	M4203NUTSHG	3/21/05	8:29:00	H2O															x	x		1	M4	2005ENV03		95
	M4203SAL	3/21/05	8:29:00	H2O																	x	1	M4	2005ENV03		95
	M4204	3/21/05	8:44:00	H2O									x	x	x	X						1	M3.3	2005ENV03	247/248	95
	M4204SAL	3/21/05	8:44:00	H2O																	x	1	M3.3	2005ENV03		95
	M4205	3/21/05	8:59:00	H2O									x	x	x	X						1	SN12	2005ENV03	249/250	95
	M4205SAL	3/21/05	8:59:00	H2O																	x	1	SN12	2005ENV03		95
	M4206	3/21/05	8:59:00	H2O									x	x	x	X						1	SN12 DUP	2005ENV03	251/252	95
	M4206SAL	3/21/05	8:59:00	H2O																	x	1	SN12 DUP	2005ENV03		95
	M4207	3/21/05	9:13:00	H2O									x	x	x	X						1	BJ-EST	2005ENV03	253/254	95
	M4207SAL	3/21/05	9:13:00	H2O																	x	1	BJ-EST	2005ENV03		95
	M4208	3/21/05	9:40:00	H2O									x	x	x	X						1	M3.1	2005ENV03	255/256	95
	M4208NUTSHG	3/21/05	9:40:00	H2O															x	x		1	M3.1	2005ENV03		95
	M4208SAL	3/21/05	9:40:00	H2O																	x	1	M3.1	2005ENV03		95
	M4209	3/21/05	10:51:00	H2O									x	x	x	X			x	x		1	M6	2005ENV03	257/258	95
	M4209NUTSHG	3/21/05	10:51:00	H2O															x	x		1	M6	2005ENV03		95
	M4209SAL	3/21/05	10:51:00	H2O																	x	1	M6	2005ENV03		95
	M4210	3/21/05	9:52:00	H2O									x	x	x	X						1	DY01	2005ENV03	259/260	95
	M4210SAL	3/21/05	9:52:00	H2O																	x	1	DY01	2005ENV03		95
	M4212	3/21/05	8:15:00	H2O									x	x	x	X						1	PL07	2005ENV03	261/262	95
	M4212SAL	3/21/05	8:15:00	H2O																	x	1	PL07	2005ENV03		95
	M4213	3/21/05	9:25:00	H2O									x	x	x	X						1	PL08	2005ENV03	263/264	95
	M4213SAL	3/21/05	9:25:00	H2O																	x	1	PL08	2005ENV03		95
	M4214	3/21/05	10:30:00	H2O									x	x	x	X						1	PL09	2005ENV03	265/266	95
	M4214SAL	3/21/05	10:30:00	H2O																	x	1	PL09	2005ENV03		95

Total # of Containers 30

Relinquished by: Vickie Whitney 3/21/05 2:09
Signature Date Time
Vickie Whitney
Printed Name Company PSNS

Received by: JMBrandenberger 3/21/05 2:09
Signature Date Time
JMBrandenberger Battelle
Printed Name Company

Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

COC Number: 2005ENV03

CHAIN OF CUSTODY FORM

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets

Date: March 21, 2005
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containe	StationID	Cruise or Storm#	Jar#	% Full
	M4200-TS	3/21/05	6:46:00	H2O			x	x														1	P3	2005ENV03		95
	M4201-TS	3/21/05	7:10:00	H2O			x	x														1	P2	2005ENV03		95
	M4202-TS	3/21/05	7:47:00	H2O			x	x														1	P1	2005ENV03		95
	M4203-TS	3/21/05	8:29:00	H2O			x	x														1	M4	2005ENV03		95
	M4204-TS	3/21/05	8:44:00	H2O			x	x														1	M3.3	2005ENV03		95
	M4205-TS	3/21/05	8:59:00	H2O			x	x														1	SN12	2005ENV03		95
	M4206-TS	3/21/05	8:59:00	H2O			x	x														1	SN12 DUP	2005ENV03		95
	M4207-TS	3/21/05	9:13:00	H2O			x	x														1	BJ-EST	2005ENV03		95
	M4208-TS	3/21/05	9:40:00	H2O			x	x														1	M3.1	2005ENV03		95
	M4209-TS	3/21/05	10:51:00	H2O			x	x														1	M6	2005ENV03		95
	M4210-TS	3/21/05	9:52:00	H2O			x	x														1	DY01	2005ENV03		95
	M4212-TS	3/21/05	8:15:00	H2O			x	x														1	PL07	2005ENV03		95
	M4213-TS	3/21/05	9:25:00	H2O			x	x														1	PL08	2005ENV03		95
	M4214-TS	3/21/05	10:30:00	H2O			x	x														1	PL09	2005ENV03		95

Relinquished by:
Signature: Vickie Whitney Date: 3/21/05 Time: 2:09
Printed Name: Vickie Whitney Company: PSNS

Received by:
Signature: JM Brandenberger Date: 3/21/05 Time: 2:09
Printed Name: JM Brandenberger Company: Battelle

Total # of Containers: 14
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature: Date: Time:
Printed Name: Company:

Received by:
Signature: Date: Time:
Printed Name: Company:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Cooler Temp 6.0 °C
Cooler Temp 5.9 °C
Cooler Temp 5.6 °C

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/21/05
Page: 3 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 2.0 °C
Cooler Temp = 5.8 °C
Cooler Temp = 4.7 °C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1209-A	3/19/05 1254	W																			B-ST28	2005Mar192	1	100
	T1209-B	3/19/05 1554	W																			B-ST28		2	100
	T1209-C	3/19/05 1854	W																			B-ST28		3	95
	T1209-D	3/19/05 2154	W																			B-ST28		4	100
	T1209-E	3/20/05 0054	W																			B-ST28		5	100
	T1209-F	3/20/05 0354	W																			B-ST28		6	100
	T1209-G	3/20/05 0654	W																			B-ST28		7	100
	T1209-H	3/20/05 0954	W																			B-ST28		8	80
																						TME/DME	ORE		
	T1209 composite	3/20/05		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				267+268	309		

Relinquished by:
[signature] 3/21/05 0900
Signature Date Time
JD Estes TEC
Printed Name Company

Received by:
[signature] 3/21/05 0900
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/21/05
Page: 4 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 4.0°C
Cooler Temp = 5.4°C
Cooler Temp = 4.7°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1210-A	3/19/05 1308	W																			B-ST/CSO16	2005Mar192	1	100
	T1210-B	3/19/05 1608	W																			B-ST/CSO16		2	100
	T1210-C	3/19/05 1908	W																			B-ST/CSO16		3	100
	T1210-D	3/19/05 2208	W																			B-ST/CSO16		4	100
	T1210-E	3/20/05 0108	W																			B-ST/CSO16		5	100
	T1210-F	3/20/05 0408	W																			B-ST/CSO16		6	100
	T1210-G	3/20/05 0708	W																			B-ST/CSO16		7	100
	T1210-H	3/20/05 1008	W																			B-ST/CSO16		8	100
																						TRE/DRE	ORG		
	T1210 COMPOSITE	3/21/05	W	x	x	x	x	x	x	x	x	x	x	x	x	x	x					269 270	310		

Relinquished by:
[signature] 3/21/05 0900
Signature Date Time
JD [signature] TEC
Printed Name Company

Received by:
[signature] 3/21/05 0900
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/21/05
Page: 5 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 2.8°C
Cooler Temp = 5.4°C
Cooler Temp = 5.4°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1211-A	3/19/05 1238	W																			PSNS015	2005Mar192	1	100
	T1211-B	3/19/05 1538	W																			PSNS015		2	100
	T1211-C	3/19/05 1838	W																			PSNS015		3	100
	T1211-D	3/19/05 2138	W																			PSNS015		4	100
	T1211-E	3/20/05 0038	W																			PSNS015		5	100
	T1211-F	3/20/05 0338	W																			PSNS015		6	100
	T1211-G	3/20/05 0638	W																			PSNS015		7	100
	T1211-H	3/20/05 0938	W																			PSNS015		8	85
																						TRAE DRE	ORG		
	T1211 COMPOSITE	3/21/05	W	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				271 272	311		

Relinquished by:
[signature] 3/21/05 0900
Signature Date Time
JD Estes TEC
Printed Name Company

Received by:
[signature] 3/21/05 0900
Signature Date Time
Jm Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/21/05
Page: 6 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 3.4°C
Cooler Temp = 4.3°C
Cooler Temp = 4.7°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1212-A	3/19/05 1230	W																			PSNS124	2005Mar192	1	100
	T1212-B	3/19/05 1530	W																			PSNS124		2	100
	T1212-C	3/19/05 1830	W																			PSNS124		3	100
	T1212-D	3/19/05 2130	W																			PSNS124		4	100
	T1212-E	3/20/05 0030	W																			PSNS124		5	100
	T1212-F	3/20/05 0330	W																			PSNS124		6	100
	T1212-G	3/20/05 0630	W																			PSNS124		7	100
	T1212-H	3/20/05 0930	W																			PSNS124		8	70
																						TME/DOE	ORG		
	T1212 COMPOSITE	3/21/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				273 274	312		

Relinquished by:
[signature] 3/21/05 0900
Signature Date Time
JO Estes TEC
Printed Name Company

Received by:
[signature] 3/21/05 0900
Signature Date Time
JMBrandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/21/05
Page: 7 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp. = 3.4°C
Cooler Temp = 3.5°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1213-A	3/19/05 1227	W																			PSNS126	2005Mar192	1	100
	T1213-B	3/19/05 1527	W																			PSNS126		2	100
	T1213-C	3/19/05 1827	W																			PSNS126		3	95
	T1213-D	3/19/05 2127	W																			PSNS126		4	100
	T1213-E	3/20/05 0027	W																			PSNS126		5	100
	T1213-F	3/20/05 0327	W																			PSNS126		6	100
	T1213-G	3/20/05 0627	W																			PSNS126		7	100
	T1213-H	3/20/05 0927	W																			PSNS126		8	60 ~~55~~
																						TME/DME	ORG		
	T1213 composite	3/21/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				275/276	313		

Relinquished by:
[signature] 3/21/05 0900
Signature Date Time
J D Esfey TEC
Printed Name Company

Received by:
JmBran 3/21/05 0900
Signature Date Time
Jm Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/21/05
Page: 1 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 4.6°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	~~Organics~~			No. of containers	StationID	Storm#	Jar#	%Full
	T1207-A	3/19/05 1240	W																			BL	2005Mar192	1	100
	T1207-B	3/19/05 1840	W																			BL		2	100
	T1207-C	3/20/05 0040	W																			BL		3	100
	T1207-D	3/20/05 0640	W																			BL		4	85
																						TME/DME	ORG		
	T1207 Composite	3/21/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				277/278	314		

Not Required
JMB 3/22/05

Relinquished by:
[signature] 3/21/05 0900
Signature Date Time
JD Estes TEC
Printed Name Company

Received by:
JMBrand 3/21/05 0900
Signature Date Time
JMBrandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/21/05
Page: 2 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 5.0°C

DME #280
TME #279

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1208-A	3/19/05 1236	W																			OC	2005Mar192	1	100
	T1208-B	3/19/05 1836	W																			OC		2	100
	T1208-C	3/20/05 0036	W																			OC		3	100
	T1208-D	3/20/05 0636	W																			OC		4	90
																						TME/DME	ORGS		
Composite	T1208	3/21/05 1240		X	X	X	X	X	X	X	X	X	X	X	X	X		X				279/280	315		
																		Not Required					JMB 3/22/05		

Relinquished by: [signature] 3/21/05 0900
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: [signature] 3/21/05 0900
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/21/05

Page: 8 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382

Attention: Jill Brandenberge

Testing Parameters

Observations, Instruction

Cooler Temp = 2.0°C
cooler Temp = 5.6°C
Cooler Temp = 3.7°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar# ~~Grab#~~	%Full
	T1221-A	3/19/05 1318	W																			B-ST12	2005MarA2	1	80
	T1221-B	3/19/05 1618	W																			B-ST12		2	100
	T1221-C	3/19/05 1918	W																			B-ST12		3	100
	T1221-D	3/19/05 2218	W																			B-ST12		4	100
	T1221-E	3/20/05 0218	W																			B-ST12		5	100
	T1221-F	3/20/05 0518	W																			B-ST12		6	100
	T1221-G	3/20/05 0818	W																			B-ST12		7	100
	T1221-H	3/20/05 1018	W																			B-ST12		8	90
																						TMDL/DMR	ORG		
	T1221 Comp	3/21/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				281/282	320		

Relinquished by: 3/21/05 0900
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: 3/21/05 0900
Signature Date Time
Jim Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date:

Page: ____1_____ of ___ 1

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

Group: Karcher WWTP
Event: ENVVEST Storm Sampling FY05

Analyze parameters per Table 2-1 in ENVVEST QAPP

Cooler Temp = 6.0°C

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	grab		No. of containers	StationID	Storm#	Jar#	% Full
	G1210-A	3/19/05 0130	H2O																x		1	KAR-WWTP	#2 Sinclair		95
	G1210-B	3/19/05 1600	H2O																x		1	KAR-WWTP	#2 Sinclair		95
	G1210-C	3/19/05 1600	H2O																x		1	KAR-WWTP	#2 Sinclair		95
																						TME/OME			
composite	G1210	3/21/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X					283/284			

Relinquished by:
Signature 3/21/05 Date 1700 Time
Bryan Gallagher Karcher Creek
Printed Name Company

Received by:
Signature 3/21/05 Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/21/05

Page: 1 of 3

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 2.0°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	#2318 DATE/TIME
	G1214-A	3/19/05 1428	W			X	X						X	X	X	X						WADOT-01A	2005Mar192	1	286/285
	G1214-B	3/19/05 1815	W			X	X						X	X	X	X						WADOT-01A	↓	2	288/287
	G1214-C	3/20/05 1050	W			X	X						X	X	X	X						WADOT-01A	↓	3	290/289
	G1214-B-Dup	3/19/05 1815	W			X	X						X	X	X	X						WADOT-01A	2005Mar192	2-Dup	316/317
	G1214-C-Dup	3/20/05 1052	W			X	X						X	X	X	X						WADOT-01A	↓	3-Dup	318/319

Relinquished by: 3/21/05 0900
Signature Date Time
JL Estes TEC
Printed Name Company

Received by: JMBrandenberger 3/21/05 0900
Signature Date Time
JMBrandenberger Battelle
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:
Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/21/05

Page: 2 of 3

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 2.0°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	COC# 2318 DME/DME
	G1216-A	3/19/05 1420	W			X	X						X	X	X	X						WADOT-02	2005Mar192	1	293/298
	G1216-B	3/19/05 1800	W			X	X						X	X	X	X						WADOT-02	↓	2	299/300
	G1216-C	3/20/05 1035	W			X	X						X	X	X	X						WADOT-02	↓	3	301/302

Relinquished by: 3/21/05 0900
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: 3/21/05 0900
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/21/05

Page: 3 of 3

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Cooler Temp = 20°C

CF# 2318

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	DME/TME
	G1217-A	3/19/05 1412	W																			WADOT-03	2005Mar192	1	304 303
	G1217-B	3/19/05 1805	W																			WADOT-03	↓	2	305 306
	G1217-C	3/20/05 1040	W																			WADOT-03	↓	3	308 307
																									306/305

Relinquished by: [signature] 3/21/05 0900
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: JMBrand 3/21/05 0900
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Jan 17 05 12:28p Dr. R.K. Johnston 360-824-6279 p.1

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/26/05
Page: 1 of 1
COC Number:

G1210 was duplicated – Changed to G1220 (discovered in data reporting; collection dates seperate the duplicate IDs)

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	Estimated Flow (CFS)
	G1210 composite			X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05		
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05		
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05		
	G1210-A	3/26/05 0800																				KAR-WWTP	23-Mar-05	#1	2.89 CFS
	G1210-B	3/26/05 1100																				KAR-WWTP	23-Mar-05	#2	5.23 CFS
	G1210-C	3/26/05 1500																				KAR-WWTP	23-Mar-05	#3	4.80 CFS

Relinquished by: [signature] 3/28/05 1300
Signature Date Time
Bryan Gallagher Karcher Creek
Printed Name Company

Received by: [signature] 3/28/05 1240
Signature Date Time
Printed Name Company

Relinquished by: [signature] 3/28/2005
Signature Date Time
Printed Name Company

Received by: Vickie Whitney
Signature Date Time
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:
Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Relinquished: Vickie Whitney 3/28/05 Battelle

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/27/05

Page: 5 of 7

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instruction

Cooler Temp = 2.0°C
Cooler Temp = 5.0°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides		No. of containers	StationID	Storm#	Jar#	%Full
	T1305-A	3/26/05 0140	W																		1	SW6	2005MAR26	1	100
	T1305-B	3/26/05 0440	W																		1	SW6	↓	2	↓
	T1305-C	3/26/05 0740	W																		1	SW6		3	
	T1305-D	3/26/05 1040	W																		1	SW6		4	
	T1305-E	3/26/05 1340	W																		1	SW6		5	
	T1305-F	3/26/05 1640	W																		1	SW6	↓	6	↓
	~~T1305-G~~		~~W~~																		~~1~~	~~SW6~~		~~7~~	X
	~~T1305-H~~		~~W~~																		~~1~~	~~SW6~~		~~8~~	X
																						TKE	TKE	ORG	
	COMPOSITE		W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			321	322	324	
	T1305																								

Relinquished by: 3/27/05 1245
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: 3/27/05 1245
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/27/05

Page: 6 of 7

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instruction

Cooler Temp = 5.2°C
Cooler Temp = 5.4°C
Cooler Temp = 5.0°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides	No. of containers	StationID	Storm#	Jar#	%Full
	T1306-A	3/26/05 0136	W																	1	B-ST12	2005MAR261	1	100
	T1306-B	3/26/05 0436	W																	1	B-ST12		2	
	T1306-C	3/26/05 0736	W																	1	B-ST12		3	
	T1306-D	3/26/05 1036	W																	1	B-ST12		4	
	T1306-E	3/26/05 1336	W																	1	B-ST12		5	
	T1306-F	3/26/05 1636	W																	1	B-ST12		6	
	~~T1306-G~~		~~W~~																		~~B-ST12~~		~~7~~	X
	~~T1306-H~~		~~W~~																		~~B-ST12~~		~~8~~	X
																					TNE	DNE	ORG	
	COMPOSITE		W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	1306																				323	324	376	

Relinquished by: 3/27/05 1245
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: 3/27/05 1245
Signature Date Time
Jim Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/27/05

Page: 1 of 7

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instruction

Cooler Temp = 5.0 °C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides		No. of containers	StationID	Storm#	Jar#	%Full
	T1301-A	3/26/05 0142	W																		1	BA	2005MAR261	1	100
	T1301-B	3/26/05 0742	W																		1	BA	↓	2	100
	T1301-C	3/26/05 1342	W																		1	BA	↓	3	75
	~~T1301-D~~		~~W~~																		~~1~~	~~BA~~		~~4~~	NA
	Composite																					TRE	DME	ORG	
	T1301	3/27/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			327	328	380	

Relinquished by: 3/27/05 1245
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: 3/27/05 1245
Signature Date Time
Jim Brandenberger Battelle
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM
Date: 3/27/05
Page: 2 of 7
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberge

Testing Parameters

Observations, Instructions

Cooler Temp = 5.0°C
Cooler Temp = 5.4°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides		No. of containers	StationID	Storm#	Jar#	%Full
	T1302-A	3/26/05 0133	W																		1	CC	2005MAR26	1	100
	T1302-B	3/26/05 0733	W																		1	CC	↓	2	↓
	T1302-C	3/26/05 1333	W																		1	CC	↓	3	↓
	T1302-D	3/26/05 1933	W																		1	CC	↓	4	↓
	T1302-E	3/27/05 0133	W																		1	CC	↓	5	↓
	Composite																					THE	DHE	ORG	
	T1302			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			329	330	382	

Relinquished by:
[signature] 3/27/05 1245
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by:
JMBrand 3/27/05 1245
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/27/05

Page: 3 of 7

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instruction

Cooler Temp = 4.2°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1303-A	3/26/05 0834	W																		1	SC	2005MAR26 1	1	100
	T1303-B	3/26/05 1434	W																		1	SC	↓	2	↓
	T1303-C	3/26/05 2034	W																		1	SC		3	
	T1303-D	3/27/05 0234	W																		1	SC		4	
	Composite:																					TME	DME	ORG	
	T1303	3/27/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				331	332		

canceled per BRJ 3/27/05

Relinquished by: 3/27/05 1245
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: 3/27/05 1245
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/27/05

Page: 4 of 7

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382

Attention: Jill Brandenberge

Testing Parameters

Observations, Instruction

Cooler Temp = 2.0°C
Cooler Temp = 3.8°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PESTICIDES		No. of containers	StationID	Storm#	Jar#	%Full
	T1304-A	3/26/05 0056	W																		1	CH	2005MAR26	1	100
	T1304-B	3/26/05 0656	W																		1	CH	↓	2	↓
	T1304-C	3/26/05 1256	W																		1	CH		3	
	T1304-D	3/26/05 1856	W																		1	CH		4	
	T1304-E	3/27/05 0056	W																		1	CH		5	
	Composite																					TME /	DME /	ORG	
	T1304	3/27/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			~~321~~	~~322~~	~~374~~	JM3 3/28/05
																						333	334	386	

Relinquished by: 3/27/05 1245
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: 3/27/05 1245
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/27/05

Page: 7 of 7

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlet

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382

Attention: Jill Brandenberge

Testing Parameters

Observations, Instruction

Cooler Temp = 5.2°C

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	Pesticides		No. of containers	StationID	Storm#	Grab#	TME	DMF
	T-1307-A	3/26/05 0115	W	X	X	X	X	X					X	X	X	X					1	B-ST01	2005MAR26	1	337	338
	T-1307-B	3/26/05 0945	W	X	X	X	X	X					X	X	X	X					1	B-ST01	↓	2	339	340
	T-1307-C	3/26/05 1845	W	X	X	X	X	X					X	X	X	X					1	B-ST01	↓	3	341	342
	Composite																							ORG	Hg	
	⊖ T1307	3/27/05							X	X	X	X					X	X	X					389	371	

Relinquished by: 3/27/05 1245
Signature Date Time
Brian Rupert TEC
Printed Name Company

Received by: 3/27/05 1245
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/28/2005

Page: 1 of 1

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # _____ of _____

Laboratory: Manchester

Address:

Attention: Stewart Magoon

Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Pesticides	No. of containers	Observations, Instructions: Station ID
T1305	3/26/2005	140	fresh water																	x	2	SW6
T1306	3/26/2005	136	fresh water																	x	2	B-ST12
T1301	3/26/2005	142	fresh water																	x	1	BA
T1302	3/26/2005	133	fresh water																	x	3	CC
T1304	3/26/2005	56	fresh water																	x	3	CH
T1307	3/26/2005	115	fresh water																	x	1	B-ST01 (Limited Volume ~2L)

Total # of Containers= 12

Relinquished by: [signature] 3/28/05 1410
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Received by: Vickie Whitney 3/28/05
Signature Date Time 1413
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

COC Number: 2005ENV04

CHAIN OF CUSTODY FORM

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets

Date:
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road

Lab. Use only: Lab ID	Sample ID	DATE	TIME	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containe	StationID	Cruise or Storm#	Jar#	% Full
	M4250	03/28/2005	6:53:00 AM	H2O									x	x	x							1	P3	2005ENV04		95
	M4250SAL	03/28/2005	6:53:00 AM	H2O																	x	1	P3	2005ENV04		95
	M4251	03/28/2005	6:37:00 AM	H2O									x	x	x							1	P2	2005ENV04		95
	M4251SAL	03/28/2005	6:37:00 AM	H2O																	x	1	P2	2005ENV04		95
	M4252	03/28/2005	7:21:00 AM	H2O									x	x	x							1	P1	2005ENV04		95
	M4252SAL	03/28/2005	7:21:00 AM	H2O																	x	1	P1	2005ENV04		95
	M4253	03/28/2005	8:14:00 AM	H2O									x	x	x							1	M4	2005ENV04		95
	M4253NUTSHG	03/28/2005	8:14:00 AM	H2O															x	x		1	M4	2005ENV04		95
	M4253SAL	03/28/2005	8:14:00 AM	H2O																	x	1	M4	2005ENV04		95
	M4254	03/28/2005	8:57:00 AM	H2O									x	x	x							1	M3.3	2005ENV04		95
	M4254SAL	03/28/2005	8:57:00 AM	H2O																	x	1	M3.3	2005ENV04		95
	M4255	03/28/2005	9:10:00 AM	H2O									x	x	x							1	SN12	2005ENV04		95
	M4255SAL	03/28/2005	9:10:00 AM	H2O																	x	1	SN12	2005ENV04		95
	M4256	03/28/2005	9:22:00 AM	H2O									x	x	x							1	BJ-EST	2005ENV04		95
	M4256SAL	03/28/2005	9:22:00 AM	H2O																	x	1	BJ-EST	2005ENV04		95
	M4257	03/28/2005	9:42:00 AM	H2O									x	x	x							1	M3.1	2005ENV04		95
	M4257NUTSHG	03/28/2005	9:42:00 AM	H2O															x	x		1	M3.1	2005ENV04		95
	M4257SAL	03/28/2005	9:42:00 AM	H2O																	x	1	M3.1	2005ENV04		95
	M4258	03/28/2005	9:42:00 AM	H2O									x	x	x							1	M3.1 DUP	2005ENV04		95
	M4258NUTSHG	03/28/2005	9:42:00 AM	H2O															x	x		1	M3.1 DUP	2005ENV04		95
	M4258SAL	03/28/2005	9:42:00 AM	H2O																	x	1	M3.1 DUP	2005ENV04		95
	M4259	03/28/2005	10:57:00 AM	H2O									x	x	x		NA		~~x~~	~~x~~		1	M6	2005ENV04		95
	M4259SAL	03/28/2005	10:57:00 AM	H2O																	x	1	M6	2005ENV04		95
	M4260	03/28/2005	10:02:00 AM	H2O									x	x	x							1	DY01	2005ENV04		95
	M4260SAL	03/28/2005	10:02:00 AM	H2O																	x	1	DY01	2005ENV04		95
	M4262	03/28/2005	7:54:00 AM	H2O									x	x	x							1	PL10	2005ENV04		95
	M4262SAL	03/28/2005	7:54:00 AM	H2O																	x	1	PL10	2005ENV04		95
	M4263	03/28/2005	8:31:00 AM	H2O									x	x	x							1	PL11	2005ENV04		95
	M4263SAL	03/28/2005	8:31:00 AM	H2O																	x	1	PL11	2005ENV04		95
	M4264	03/28/2005	8:46:00 AM	H2O									x	x	x							1	PL12	2005ENV04		95
	M4264SAL	03/28/2005	8:45:00 AM	H2O																	x	1	PL12	2005ENV04		95

Observations, Instructions

Relinquished by: Vickie Whitney 3/28/05
Signature Date Time 1411
Printed Name Company

Received by: 3/28/05
Signature Date Time
Jim Brandenberger Battelle
Printed Name Company

Total # of Containers 30
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Cooler temp = 5.2°C

COC Number: 2005ENV04

CHAIN OF CUSTODY FORM

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets

Date:
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Observations, Instructions

Lab. Use only: Lab ID	Sample ID	DATE	TIME	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containe	StationID	Cruise or Storm#	Jar#	% Full
	M4250-TS	03/28/2005	6:53:00 AM	H2O			x	x														1	P3	2005ENV04		95
	M4251-TS	03/28/2005	6:37:00 AM	H2O			x	x														1	P2	2005ENV04		95
	M4252-TS	03/28/2005	7:21:00 AM	H2O			x	x														1	P1	2005ENV04		95
	M4253-TS	03/28/2005	8:14:00 AM	H2O			x	x														1	M4	2005ENV04		95
	M4254-TS	03/28/2005	8:57:00 AM	H2O			x	x														1	M3.3	2005ENV04		95
	M4255-TS	03/28/2005	9:10:00 AM	H2O			x	x														1	SN12	2005ENV04		95
	M4256-TS	03/28/2005	9:22:00 AM	H2O			x	x														1	BJ-EST	2005ENV04		95
	M4257-TS	03/28/2005	9:42:00 AM	H2O			x	x														1	M3.1	2005ENV04		95
	M4258-TS	03/28/2005	9:42:00 AM	H2O			x	x														1	M3.1DUP	2005ENV04		95
	M4259-TS	03/28/2005	10:57:00 AM	H2O			x	x														1	M6	2005ENV04		95
	M4260-TS	03/28/2005	10:02:00 AM	H2O			x	x														1	DY01	2005ENV04		95
	M4262-TS	03/28/2005	7:54:00 AM	H2O			x	x														1	PL10	2005ENV04		95
	M4263-TS	03/28/2005	8:31:00 AM	H2O			x	x														1	PL11	2005ENV04		95
	M4264-TS	03/28/2005	8:46:00 AM	H2O			x	x														1	PL12	2005ENV04		95

Relinquished by: Beckie Whitney 3/28/05 1411
Signature Date Time
Printed Name Company

Received by: 3/28/05 1411
Signature Date Time
Printed Name Company

Total # of Containers 14
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Cooler temp = 3.8°C

SAMPLE CHAIN OF CUSTODY FORM

Date: 30 March 2005

Page: 1 of 1

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instructions

TIME / DATE Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	ORG	No. of containers	StationID	Storm#	Isco or Grab	Jar/Grab#	%Full
453 454	T1316-A	3/30/05 1100	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	✓	504		BI-SBC	2005mar30WSBS	Isco	1	100
455 456	T1317-A	3/30/05 1110	W	X	X	X	X	X	X	X	X	X									BA	2005mar30WSBS	Isco	1	100
457 458	T1318-A	3/30/05 1120	W	X	X	X	X	X	X	X	X	X						✓	506		CC	2005mar30WSBS	Isco	1	100
459 460	T1319-A	3/30/05 1110	W	X	X	X	X	X	X	X	X	X									SC	2005mar30WSBS	Isco	1	100
461 462	T1320-A	3/30/05 1110	W	X	X	X	X	X	X	X	X	X						✓	508		CH	2005mar30WSBS	Isco	1	100
463 464	T1321-A comp.	3/30/05 1110	W	X	X	X	X	X	X	X	X	X						✓	509		SW6	2005mar30WSBS	Isco	1	100
	T1321-B	3/30/05 1410	W	X	X	X	X	X	X	X	X	X									SW6	2005mar30WSBS	Isco	2	100
465 466	T1322-A comp	3/30/05 1110	W	X	X	X	X	X	X	X	X	X						✓	510		B-ST12	2005mar30WSBS	Isco	1	100
	T1322-B	3/30/05 1410	W	X	X	X	X	X	X	X	X	X									B-ST12	2005mar30WSBS	Isco	2	100
467 468	T1323-A	3/30/05 1400	W	X	X	X	X	X	X	X	X	X						✓	511		B-ST01	2005mar30WSBS	Grab	1	100
469 470	T1324-A	3/30/05 1335	W	X	X	X	X	X	X	X	X	X									GC-SAN	2005mar30WSBS	Grab	1	100
471 472	T1325-A	3/30/05 1305	W	X	X	X	X	X	X	X	X	X									BL	2005mar30WSBS	Grab	1	100
473 474	T1326-A	3/30/05 1300	W	X	X	X	X	X	X	X	X	X									OC	2005mar30WSBS	Grab	1	100

Relinquished by: 3/31/05 1930
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: 3/31/05 1930
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date:

Page: ____1_____ of ___ 1

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

Group: Bremerton WWTP
Event: ENVVEST Storm Sampling FY05

Analyze parameters per Table 2-1 in ENVVEST QAPP

Cooler Temp = 4.8°C

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	grab		No. of containers	StationID	Storm#	Jar#	% Full
	G1209-A	3-30-05/0838	H2O																x			B-WWTP			95
	G1209_B	3-30-05/1118	H2O																x			B-WWTP			95
	G1209-C	3-30-05/1420	H2O																x			B-WWTP			95
	composite																					TME	DME		
	G1209	3/31/05		X	X	X	X	X	X	X	X	X	X	X	X	X	X					475	476		
	(T1327)																								

Relinquished by:
Arthur J. McCarty 3-31-05 0700
Signature Date Time
ARTHUR McCARTY City of Bremerton
Printed Name Company

Received by:
Vickie Whitney 3/31/05 0925
Signature Date Time
Vickie Whitney PSNS
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
JMBrandenberger 3/31/05 1930
Signature Date Time
JM Brandenberger Battelle
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler Temp = 4.8°C

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road, Sequim, WA 98382
Attention: Jill Brandenberger

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	Estimated Flow (CFS)
		~~3/30/05 0830~~		X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05	~~1~~	~~3.50 CFS~~
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05		
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05		
	G1201-A	3/30/05 0830																				KAR-WWTP	30-mar-05	#1	3.50 CFS
	G1201-B	3/30/05 1200																				Kar-WWTP	30-mar-05	#2	3.64 CFS
	G1201-C	3/30/05 1500																				Kar-WWTP	30-mar-05	#3	3.41 CFS
	~~G1210-A-1~~	~~3/31/05 0800~~																				~~Kar-WWTP~~	~~31-mar-05~~	~~#1~~	
	~~G1210-B-2~~	~~3/31/05~~																				~~Kar-WWTP~~	~~31-mar-05~~	~~#2~~	
	~~G1210-C-3~~	~~3/31/05~~																				~~Kar-WWTP~~	~~31-mar-05~~	~~#3~~	
	Composite G1201 (changed to G1221 (duplicate 100))			X	X	X	X	X	X	X	X	X	X	X	X	X	X					TME 481	DME 482		

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Relinquished by: _____ Signature; 3/31/05 Date; 1100 Time
Bryan Gallagher Printed Name; Karcher Creek Company

Received by: Vickie Whitney Signature; 3/31/05 Date; 11:00 Time
Vickie Whitney Printed Name; PSNS Company

Relinquished by: _____ Signature; Date; Time
Printed Name; Company

Received by: JMBrandenberger Signature; 3/31/05 Date; 1930 Time
Jm Brandenberger Printed Name; Battelle Company

SAMPLE CHAIN OF CUSTODY FORM
Date: 4/2/05
Page: 1 of 8
COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberge

Testing Parameters

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST		No. of containers	StationID	Storm#	Jar#	%Full
	T1308-A	3/31/05 1849	W																		1	BI-SBC	2005Mar312	1	100
	T1308-B	4/1/05 0049	W																		1	BI-SBC	↓	2	100
	T1308-C	4/1/05 0649	W																		1	BI-SBC	↓	3	100
	T1308-D	4/1/05 1249	W																		1	BI-SBC	↓	4	10
	Composite																					TME	DME	ORG	
	T1308			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			395	396	447	

Relinquished by:
J. Gaudette 1500 4/1/05
Signature Date Time
J. Gaudette TEC
Printed Name Company

Received by:
[signature] 4/1/05 1500
Signature Date Time
C. Suslick MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/2/05

Page: 2 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberge

Testing Parameters

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST		No. of containers	StationID	Storm#	Jar#	%Full
	T1309-A	3/31/05 2000	W																		1	BA	2005Mar312	1	100
	T1309-B	4/1/05 0200	W																		1	BA	↓	2	100
	T1309-C	4/1/05 0800	W																		1	BA	↓	3	40
	~~T1309-D~~		~~W~~																			~~BA~~		~~4~~	
	Composite																					TME	OME		
	T1309			X	X	X	X	X	X	X	X	X	X	X	X	X	X		X			397	398		

Relinquished by: J. Gandette — Signature; 4/1/05 — Date; 1500 — Time
J. Gandette — Printed Name; TEC — Company

Received by: C. Suslick — Signature; 4/1/05 — Date; 1500 — Time
C. Suslick — Printed Name; MSL — Company

Relinquished by: Signature — Date — Time
Printed Name — Company

Received by: Signature — Date — Time
Printed Name — Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/2/05

Page: 3 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1310-A	3/31/05 2157	W																		1	CC	2005Mar312	1	100
	T1310-B	4/1/05 0357	W																		1	CC	↓	2	100
	T1310-C	4/1/05 0957	W																		1	CC	↓	3	20
	~~T1310-D~~		~~W~~																			~~CC~~		~~4~~	
	Composite																					TME	DME		
	TB10			X	X	X	X	X	X	X	X	X	X	X	X	X	X					399	400		

Relinquished by: J. Gandette 4/1/05 1500
Signature Date Time
J. Gandette TEC
Printed Name Company

Received by: 4/1/05 1500
Signature Date Time
C. Susan C. Susan MSL
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/2/05

Page: 4 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberge

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST		No. of containers	StationID	Storm#	Jar#	%Full
	T1311-A	3/31/05 2032	W																		1	SC	2005Mar32	1	100
	T1311-B	4/1/05 0232	W																		1	SC	↓	2	100
	T1311-C	4/1/05 0832	W																		1	SC	↓	3	40
	~~T1311-D~~		~~W~~																			~~SC~~		~~4~~	
	composite																					TME	DME	ORG	
	T1311			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			401	402	450	

Relinquished by: J. Gandette 4/1/05 1500
Signature Date Time
J. Gandette TEC
Printed Name Company

Received by: C. Sushan 4/1/05 1500
Signature Date Time
C. Sushan MSL
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/7/05

Page: 5 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instruction

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1312-A	3/31/05 1819	W																		1	CH	2005Mar312	1	100
	T1312-B	4/1/05 0019	W																		1	CH		2	100
	T1312-C	4/1/05 0619	W																		1	CH	✓	3	70
	~~T1312-D~~		~~W~~																			~~CH~~		~~4~~	
	composite																					TME	DME		
	T1312			X	X	X	X	X	X	X	X	X	X	X	X	X	X					403	404		

Relinquished by: J. Gaudette 4/1/05 1500
Signature Date Time
J. Gaudette TEC
Printed Name Company

Received by: C. Suslick 4/1/05 1500
Signature Date Time
C. SUSLICK MSL
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/2/05

Page: 6 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Mille

Phone: (360) 681-366

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Roac
Sequim, WA 98382
Attention: Jill Brandenberge

Observations, Instruction

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1313-A	3/31/05 2036	W																		1	SW6	2005 Mar 31	1	100
	T1313-B	3/31/05 2336	W																		1	SW6		2	100
	T1313-C	4/1/05 0236	W																		1	SW6		3	100
	T1313-D	4/1/05 0536	W																		1	SW6		4	100
	T1313-E	4/1/05 0836	W																		1	SW6		5	65
	~~T1313-F~~		~~W~~																			~~SW6~~		~~6~~	
	~~T1313-G~~		~~W~~																			~~SW6~~		~~7~~	
	~~T1313-H~~		~~W~~																			~~SW6~~		~~8~~	
	Composite																					TME	DME	ORG	
	T1313			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				391	392	445	

Relinquished by: J. Gandette 4/1/05 1500
Signature Date Time
J. Gandette TEC
Printed Name Company

Received by: 4/1/05 1500
Signature Date Time
C. Suslick MSL
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/1/05

Page: 7 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Testing Parameters

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberge

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Jar#	%Full
	T1314-A	3/31/05 1907	W																		1	B-ST12	2005Mar312	1	100
	T1314-B	3/31/05 2207	W																		1	B-ST12	↓	2	100
	T1314-C	4/1/05 0107	W																		1	B-ST12	↓	3	100
	T1314-D	4/1/05 0407	W																		1	B-ST12	↓	4	95
	T1314-E	4/1/05 0707	W																		1	B-ST12	↓	5	80
	~~T1314-F~~		~~W~~																			~~B-ST12~~		~~6~~	
	~~T1314-G~~		~~W~~																			~~B-ST12~~		~~7~~	
	~~T1314-H~~		~~W~~																			~~B-ST12~~		~~8~~	
	Composite																					TME	DME	ORG	
	T1314			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				393	394	446	

Relinquished by: J. Gaudette 4/1/05 1500
Signature Date Time
J. Gaudette TEC
Printed Name Company

Received by: [signature] 4/1/05 1500
Signature Date Time
C. Sussich MSL
Printed Name Company

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/1/05

Page: 8 of 8

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

As Per Table 2-1 in QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberge

Testing Parameters

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	PEST		No. of containers	StationID	Storm#	Grab#	TME	DME
	T1315-A	3/31/05 1750	W	X	X	X	X	X					X	X	X	X					1	B-ST01	2005Mar312	1	405	406
	T1315-B	4/1/05 0030	W	X	X	X	X	X					X	X	X	X					1	B-ST01	↓	2	407	408
	T1315-C	4/1/05 0955	W	X	X	X	X	X					X	X	X	X					1	B-ST01	↓	3	409	410
	composite T1315								X	X	X	X					X	X	X			Hg 441	ORG 452			

Relinquished by:
J. Gaudette 4/1/05 1500
Signature Date Time
J. Gaudette TEC
Printed Name Company

Received by:
41.1.05 1500
Signature Date Time
C. Suslik MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: _____

Page: _____ of _____

COC Number: _____

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Observations, Instructions: Cooler temp 2.0°C

Testing Parameters

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Grab#	Estimated Flow (CFS)
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05		
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05		
				X	X	X	X	X	X	X	X	X	X	X	X	X	X					KAR-WWTP	17-Jan-05		
	61219-A	4/1/05 0730																				KAR-WWTP	1-Apr-05	#1	3.95 CFS.
	61219-B	4/1/05 1000																				KAR-WWTP	1-Apr-05	#2	3.73 CFS
	~~61219-C~~																					~~KAR-WWTP~~	~~1-Apr-05~~	~~#3~~	
	Composite																								
	61219			X	X	X	X	X	X	X	X	X	X	X	X	X	X					TME 411	DME 412		

Relinquished by: [signature] 4/1/05 1130
Signature Date Time
Bryan Gallagher Kaichel Creek
Printed Name Company

Received by: Vickie Whitney
Signature Date Time
Printed Name Company

~~Relinquished by:~~ Received by: [signature] 4/1/05 1145
Signature Date Time
JD Estes TEC
Printed Name Company

Received by: [signature] 4/1/05 1500
Signature Date Time
C. Suslick MSL
Printed Name Company

Total # of Containers
Shipment Method:
Special Requirements or Conditions:

Sample Disposition:
Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/11/05

Page: 1 of 1

COC Number:

Battelle
Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Laboratory: Battelle MSL

Address: 1529 W. Sequim Bay Road
Sequim, WA 98382

Attention: Jill Brandenberger

Testing Parameters

Observations, Instructions

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics			No. of containers	StationID	Storm#	Bottle#	%Full
																						CF# 2318	ORG #453 TME #454B DME #455B		
	T1300-A	4/10/05/2047	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				BI-SBC	2005 APR 103	1	100
	T1300-B	4/11/05/0247	W	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				BI-SBC	2005 APR 103	2	100
	~~T1300-C~~ BWR 4/11/05	NA	W																			~~BI-SBC~~			
	~~T1300-D~~ BWR 4/11/05	NA	W																			~~BI-SBC~~			

Relinquished by:
Brian Rupert — 1055
Signature — Date 4/11/05 — Time
[signature] — TEC
Printed Name — Company

Received by:
[signature] — 4/11/05 — 1055
Signature — Date — Time
JMBrandenberger — Battelle
Printed Name — Company

Total # of Containers

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature — Date — Time
Printed Name — Company

Received by:
Signature — Date — Time
Printed Name — Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

FY05 SD Inlet Storms Equipment Blanks

LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: New 2318 Sample No(s): 1-and 3 Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: water WP# F55746

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: *Amount:* Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: Composite and aliquot for ORG/MET

Sample Preservation Instructions: MET = 0.2% HNO3

Date To Archive: _____ Date To Dispose: _____

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? 4.2 °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: Teflon Poly (Glass) Spex Other:

Notes:

Completed By: JMBrand Date/Time: 12/3/04 1630

SAMPLE PRESERVATION

- [✓] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:			Notes:
	✓	0.2% HNO3	Lot# 1203030
		0.5% HCl (Hg samples)	
		Refrigerate/Freeze	
		Other	

Completed By: JMBrand Date/Time: 12/3/04 1630

Revsed 031303

LOG-IN CHECKLIST Worst FY05 storm 1 SOInlet

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 4 - 71 Project Manager: J. BRANDEN BERGER

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: Stormwater WP# F55746

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample (Half of sample)
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: composite

Sample Preservation Instructions: 0.2% HNO3

Date To Archive: _____ Date To Dispose: _____

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? see back °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: (Teflon) (Poly) (Glass) Spex Other:

Notes:

Completed By: [signature] Date/Time: 1/18/05 1645

SAMPLE PRESERVATION

- [X] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:			Notes:
	[X]	0.2% HNO3	LOT # 1203030 OPTIMA
	[ ]	0.5% HCl (Hg samples)	
	[ ]	Refrigerate/Freeze	
	[ ]	Other	

Completed By: [signature] Date/Time: 1/18/05 23:00

storage K4A (14-19, 29-31, 42-47, 57-59)

L4C (5, 12, 20-22, 24, 26, 27-28, 33, 44-48-50, 52, 54-56, 67+68)

L4D (4, 6-10, 32, 34-38, 69+70)

Revsed 031303

Cooler #1	Temp °C	Jars
	1.4	
2	1.7	
3	1.3	
4	2.1	
5	1.5	
6	2.5	
7	3.4	
8	1.6	
9	2.3	
10	3.1	
11	1.5	
12	3.2	
13	2.1	
14	1.2	
15	2.2	
16	1.2	
17	1.2	
18	1.5	
19	1.3	
20	1.3	
21	1.4	
22	2.1	
~~23~~		
~~24~~		

SINCLAIR STORM

LOG-IN CHECKLIST Worst Event 2 131 Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 72 - ~~127~~ Project Manager: J. BRANDENBERGER

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: Water WP#

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: Composite

Sample Preservation Instructions: 0.2% HNO_3

Date To Archive: Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? see back of sheet °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: (Teflon) (Poly) (Glass) Spex Other:

Notes:

Completed By: JMBrandenberger for RW **Date/Time:** 1/30/05

SAMPLE PRESERVATION

- [ ] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:			Notes:
	[X]	0.2% HNO3	OPTIMA LOT# 1203080
	[ ]	0.5% HCl (Hg samples)	
	[ ]	Refrigerate/Freeze	
	[ ]	Other	

Completed By: R. Wood **Date/Time:** 1/23/05 16:00

Storage LSC (#72-78, 80-89, 93-96,)
LSD (#97-106, 108-117, 121-127)

COOLER#	TEMP °C
1	1.6
2	1.4
3	1.4
4	1.6
5	1.3
6	1.4
7	1.6
8	1.3
9	1.6
10	1.4
11	1.2

LOG-IN CHECKLIST ENVVEST Marine 1 ENV 1200501

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 132 - 159 Project Manager: MKB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: seawater WP#

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: split for DOC/TOC

Sample Preservation Instructions: 0.2% HNO_3

Date To Archive: Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? 5.0 and 4.5 °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: (Teflon) (Poly) Glass Spex Other:

Notes:

Completed By: [signature] Date/Time: 2/9/05 1610

SAMPLE PRESERVATION

- [✓] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:			Notes:
	✓	0.2% HNO3	Optima Lot # 1203080
		0.5% HCl (Hg samples)	
		Refrigerate/Freeze	
		Other	

Completed By: [signature] for RWood Date/Time: ~~2/9/05~~ 2/10/05 1010

storage: 1302-152 K6C
153-159 J3D

LOG-IN CHECKLIST SD/Inlet FY05 ~~Storm 3~~ - Sinclair 1

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 160 - 238 Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: water WP# F55746

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: Composite

Sample Preservation Instructions:

Date To Archive: Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: (Teflon) (Poly) (Glass) Spex Other:

Notes:

Completed By: JMB Date/Time: 3/2/05 0930

SAMPLE PRESERVATION

- [x] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:			Notes:
	[x]	0.2% HNO3	OPTIMA LOT# 1203080
	[ ]	0.5% HCl (Hg samples)	
	[ ]	Refrigerate/Freeze	
	[ ]	Other	

Completed By: Kwood Date/Time: 3/2/05 17:50

Storage
R Floor B # 184 → 203
L Floor B #160 → 183
L Floor C #222 → 231
L Floor D #208 → 227

Coolers for SD/Inlet FY05 Storm 3

temp	Cooler ID
4.9	KAR-WWTP-Grab 1-3
1.1	B-WWTP-Grabs Samples 1-3
1.7	B-st28 Jars 1-3
2.2	Grabs WS-DOT 1A 1-3 2 1-3 3 1-3
1.2	PSNS 015, JWB617/PSNS 124 Jars 1 & 2
1.7	PSNS 124 Jar 7 only/PSNS 126 Jars 1-3
1.3	303
1.3	PNS 124 Jars 3-6
1.8	PSNS Jar 3,4,5
1.6	B-st/CS016 Jars 6 & 7/PSNS 015 Jars 1 & 2
2.9	B-st 28 Jars 4,6,8 B-St/CS016 Jar 1
2.3	Cooler #58
2.0	BL Jar 4/OC Jars 1-3
1.4	B-st/CS016 Jars 2-5

FY05

sinclair storm 2

LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 267-320 Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: water WP#

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: Composite, split

Sample Preservation Instructions: 0.2% HNO_3 for metals

Date To Archive: Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: (Teflon) (Poly) (Glass) Spex Other:

Notes:

Completed By: JMBrand Date/Time: 3/21/05 1911

SAMPLE PRESERVATION

- [ ] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:			Notes:
	X	0.2% HNO3	OPTIMA Nitric Lot# 1203080
		0.5% HCl (Hg samples)	
		Refrigerate/Freeze	
		Other	

Completed By: R. Wood Date/Time: 3/21/05 17:00

3/22/05 09:30

Storage: 2318 (239-259) K2C
2318 (260-279) K1B
2318 (280-290) K1A
2318 (297-300) K1A
2318 (316-320) K3C

LOG-IN CHECKLIST FY05 SD Inlet Dyes Storm 1

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 321-~~389~~ 342, 371-389 Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: water WP#

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: composite / split

Sample Preservation Instructions: Metals 0.2% HNO_3

Date To Archive: Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? see COCs °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: (Teflon) (Poly) (Glass) Spex Other:

Notes:

Completed By: JMB Date/Time: 3/27/05 1302

SAMPLE PRESERVATION

- [x] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:
- [x] 0.2% HNO3 Notes: OPTIMA LOT# 1203080
- [ ] 0.5% HCl (Hg samples) Notes:
- [ ] Refrigerate/Freeze Notes:
- [ ] Other Notes:

Completed By: R. Wood Date/Time: 3/27/05 17:20

Storage: JIC (321-324, 327-334, 337-339)
JIB (340-342)

Marine 4 (Dyes of Storm)

LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 343-370 Project Manager: J. BRANDEN BERGER.

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: seawater WP#

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: split / filter / preserve

Sample Preservation Instructions: 0.2% HNO_3

Date To Archive: Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? see COC °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: (Teflon) (Poly) Glass Spex Other:

Notes:

Completed By: [signature] **Date/Time:** 3/28/05 1411

SAMPLE PRESERVATION

- [✓] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:
- [✓] 0.2% HNO3 Notes: OPTIMA Lot# 1203080
- [ ] 0.5% HCl (Hg samples) Notes:
- [ ] Refrigerate/Freeze Notes:
- [ ] Other Notes:

Completed By: [signature] **Date/Time:** 3/28/05 17:20

Storage: J2B (335, 336, 343-354)
I4C (355-363)
I2C (364-370)

Revsed 031303

LOG-IN CHECKLIST SD Inlet Wet Season 2005 Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): select samples: 453-482, 504-511 Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: water WP#

Yes	No	
	✓	Navy type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample / Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: split samples

Sample Preservation Instructions: metals: 0.2% HNO_3

Date To Archive: Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? 4.0, 4.8, 2.9 °C (if multiple coolers, note temp. of each) 4.1 °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): (Acceptable) Other (explain):

Container type: (Teflon) Poly (Glass) Spex Other:

Notes: Hand delivered by TEC

Completed By: JMB **Date/Time:** 3/31/05 1930

SAMPLE PRESERVATION

- [✓] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:			Notes:
	✓	0.2% HNO3	1203080
		0.5% HCl (Hg samples)	
		Refrigerate/Freeze	
		Other	

Completed By: JMB **Date/Time:** 4/1/05

Revsed 031303

Dyes Storm 2

LOG-IN CHECKLIST

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 391-412, 44 Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: water WP#

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: composite

Sample Preservation Instructions: Swle Bottles 2-3-4-5 - 1.1°C

Date To Archive: Date To Dispose: Swle Bottles 1-2-3 - 1.4

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

CC - Bottles 1-2-3 - 2.0°
B-ST12 Bottles 4,5 - 1.1
Ecology - 2.0
CH Bottles 1-2-3 - 1.1
#19 - 2.0

B1-SBC Bottles 3,4 - 1.5°
SC-Bottles 1,2,3 - 1.1
BA Bottles 1-2-3 - 2.4
BST01-Grab 1,2 - 3.2

Yes	No	N/A	Indicate in Appropriate Box
	✓		Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? (If multiple coolers, note temp. of each) — note °C °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
			Were samples filtered at MSL?

Sample condition(s): Acceptable Other (explain):

Container type: Teflon Poly Glass Spex Other:

Notes: all coolers Well packed in ice - if temps low due to ice contact

Completed By: [signature] **Date/Time:** 4/1/05 1530

SAMPLE PRESERVATION

- [x] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:
- [x] 0.2% HNO3 Notes: OPTIMA LOT # 1203080
- [ ] 0.5% HCl (Hg samples) Notes:
- [ ] Refrigerate/Freeze Notes:
- [ ] Other Notes:

Completed By: R. Wood **Date/Time:** 4/2/05 12:15

Storage L-1-C

Revsed 031303

LOG-IN CHECKLIST Sinclair Inlet make up Event due to duplicate codes 4/26/05

Reference SOP# MSL-A-001

Central File #: 2318 Sample No(s): 453 - 455B - Added Project Manager: JMB

TO BE COMPLETED BY PROJECT MANAGER (prior to arrival when possible)

Matrix: Stormwater WP#

Yes	No	
	✓	Navy-type Project (requires high-level sample tracking procedures)
✓		Filter Samples: Amount: Entire sample Half of sample
	✓	Freeze dry sample(s) - samples will be weighed and placed in ultralow temp freezer (Lab# 130)
✓		Special instructions: composite / split / preserve

Sample Preservation Instructions: see SAP

Date To Archive: Date To Dispose:

TO BE COMPLETED UPON SAMPLE ARRIVAL/LOG-IN

Yes	No	N/A	Indicate in Appropriate Box
		✓	Was a custody seal present?
		✓	Was the custody seal intact?
✓			Was cooler(s) temperature(s) within acceptable range of 4±2°C? 4.0 °C (if multiple coolers, note temp. of each) °C
		✓	Was Project Manager notified of any custody/login discrepancies (cooler temp, sponsor codes, etc)? Comment/Remedy:
✓			Were all chain of custody forms signed and dated?
✓			Were samples filtered at MSL?

Sample condition(s): Acceptable Other (explain):

Container type: Teflon Poly Glass Spex Other:

Notes:

Completed By: JMBrown Date/Time: 4/11/05 1055

SAMPLE PRESERVATION

- [X] Sample(s) were preserved at MSL
- [ ] Sample(s) were preserved prior to arrival at MSL (noted on CoC / Sample / per PM Instruction)
- [ ] Random pH checked for ~10% of samples (use dip paper) Sample IDs:
- [ ] Complete pH check required for project (use pH meter and record on pH Record form)

If preservation necessary, record Acid Lot#

Type:
- [X] 0.2% HNO3 Notes: OPTIMA NITRIC LOT# 1203080
- [ ] 0.5% HCl (Hg samples) Notes:
- [ ] Refrigerate/Freeze Notes:
- [ ] Other Notes:

Completed By: R. WOOD Date/Time: 4/11/05 16:00

Storage: I-1-B metals # 454B + 455B Org # 453

Legend - FY05 Sinclair (CF# 2318) Login

TYPE CODE:

FC	flow composite from ISSCO Samples
EC-I	equal ratios composite of time composited ISSCO Samples
EC-G	equal ratios composite of grab samples
G	Grab sample
D	Discrete sample collected from one jar of the time compositing ISSCO sampler
EM	Event Mean

MATRIX CODE:

STW	Stream Water
MW	Marine Water
SW	Stormwater Outfall
SED	Sediment
TISS	Tissue
EB	Equipment Blank Water

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 12/03/04
Batch: 1

PROJECT: TMDL in Sinclair & Dyes Inlets

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	Type
BST12-RB*	BST12-RB	2318-1	EB	raw water	Prep Lab L-3-B	Total Metals, Hg	12/03/04	MLFM	EC-I
BST12-RB*	BST12-RB	2318-2	EB	filt. water	Prep Lab L-3-B	Dissolved Metals	12/03/04	MLFM	EC-I
BST12-RB*	BST12-RB	2318-3	EB	raw water	Outside Refrigerator	Organics	12/03/04	MLFM	EC-I

*Composit of Samples BST12-RB-1,2,3 & 4. Made into one sample and divided into 3 samples (sample 2 being filtered), for the various analysis.

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 01/19/05
Batch: 2

PROJECT: FY05 Gorst Storm 1

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	Type
T1100	LMK136	2318-4	SW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	FC
T1101	GC	2318-5	STW	raw water	Prep Lab L-4-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-I
T1102	GC-SAN	2318-6	STW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-I
T1103	AC	2318-7	STW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-I
T1104	LMK122	2318-8	SW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	FC
T1105	LMK038	2318-9	SW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	FC
T1106	PO-POBLVD	2318-10	SW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	FC
G1101	KAR-WWTP	2318-12	WWTP	raw water	Prep Lab L-4-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-G
G1103-A	AC-LOW	2318-14	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1103-B	AC-LOW	2318-15	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1103-C	AC-LOW	2318-16	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1104-A	GC-M	2318-17	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1104-B	GC-M	2318-18	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1104-C	GC-M	2318-19	STW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1105-A	WADOT-01A	2318-20	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1105-B	WADOT-01A	2318-21	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1105-C	WADOT-01A	2318-22	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1106-B	WADOT-01B	2318-24	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1107-A	WADOT-02	2318-26	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1107-B	WADOT-02	2318-27	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1107-C	WADOT-02	2318-28	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1108-A	WADOT-03	2318-29	SW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1108-B	WADOT-03	2318-30	SW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1108-C	WADOT-03	2318-31	SW	raw water	Prep Lab K-4-A	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
T1100	LMK136	2318-32	SW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	FC
T1101	GC	2318-33	STW	filt. water	Prep Lab L-4-C	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-I
T1102	GC-SAN	2318-34	STW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-I
T1103	AC	2318-35	STW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-I
T1104	LMK122	2318-36	SW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	FC
T1105	LMK038	2318-37	SW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	FC
T1106	PO-POBLVD	2318-38	SW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	FC
G1101	KAR-WWTP	2318-40	WWTP	filt. water	Prep Lab L-4-C	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-G
G1103-A	AC-LOW	2318-42	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1103-B	AC-LOW	2318-43	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1103-C	AC-LOW	2318-44	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 01/19/05
Batch: 2

PROJECT: FY05 Gorst Storm 1

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	Type
G1104-A	GC-M	2318-45	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1104-B	GC-M	2318-46	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1104-C	GC-M	2318-47	STW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1105-A	WADOT-01A	2318-48	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1105-B	WADOT-01A	2318-49	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1105-C	WADOT-01A	2318-50	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1106-B	WADOT-01B	2318-52	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1107-A	WADOT-02	2318-54	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1107-B	WADOT-02	2318-55	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1107-C	WADOT-02	2318-56	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
G1108-A	WADOT-03	2318-57	SW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1108-B	WADOT-03	2318-58	SW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
G1108-C	WADOT-03	2318-59	SW	filt. water	Prep Lab K-4-A	Cu, Zn	01/17/05	MLFM	G
T1100	LMK136	2318-60	SW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	FC
T1102	GC-SAN	2318-62	STW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	EC-I
T1103	AC	2318-63	STW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	EC-I
T1104	LMK122	2318-64	SW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	FC
T1105	LMK038	2318-65	SW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	FC
T1106	PO-POBLVD	2318-66	SW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	FC
G1105-B-Dup	WA-DOT-01A	2318-67	SW	raw water	Prep Lab L-4-C	Al, Cu, Zn, Cd, Pb	01/17/05	MLFM	G
G1105-B-Dup	WA-DOT-01A	2318-68	SW	filt. water	Prep Lab L-4-C	Cu, Zn	01/17/05	MLFM	G
T1114	AC-DUP	2318-69	STW	raw water	Prep Lab L-4-D	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/17/05	MLFM	EC-I
T1114	AC-DUP	2318-70	STW	filt. water	Prep Lab L-4-D	Cd, Cu, Pb, Ag and Zn	01/17/05	MLFM	EC-I
T1114	AC-DUP	2318-71	STW	raw water	Outside Refrigerator	Organics	01/17/05	MLFM	EC-I

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 01/24/05
Batch: 3

PROJECT: FY05 Gorst Storm 2

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	TYPE
T1107	LMK 136	2318-72	SW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	FC
T1108	GC	2318-73	STW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	EC-I
T1109	GC-SAN	2318-74	STW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	EC-I
T1111	LMK 122	2318-75	SW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	FC
T1112	LMK 038	2318-76	SW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	FC
T1113	PO-POBLVD	2318-77	SW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	FC
T1115	AC-DUP	2318-78	STW	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	EC-I
T1110	KAR-WWTP	2318-80	WWTP	raw water	Prep Lab I-5-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	01/22/05	MLFM	EC-G
G1112-A	AC-LOW	2318-81	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1112-B	AC-LOW	2318-82	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1112-C	AC-LOW	2318-83	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1113-A	GC-M	2318-84	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1113-B	GC-M	2318-85	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1113-C	GC-M	2318-86	STW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1114-A	WADOT-01A	2318-87	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1114-B	WADOT-01A	2318-88	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1114-C	WADOT-01A	2318-89	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1116-A	WADOT-02	2318-93	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1116-B	WADOT-02	2318-94	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1116-C	WADOT-02	2318-95	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1117-A	WADOT-03	2318-96	SW	raw water	Prep Lab I-5-C	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1117-B	WADOT-03	2318-97	SW	raw water	Prep Lab I-5-D	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1117-C	WADOT-03	2318-98	SW	raw water	Prep Lab I-5-D	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
G1112-A DUP	AC-LOW	2318-99	STW	raw water	Prep Lab I-5-D	Al, Cu, Zn, Cd, Pb	01/22/05	MLFM	G
T1107	LMK 136	2318-100	SW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	FC
T1108	GC	2318-101	STW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	EC-I
T1109	GC-SAN	2318-102	STW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	EC-I
T1111	LMK 122	2318-103	SW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	FC
T1112	LMK 038	2318-104	SW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	FC
T1113	PO-POBLVD	2318-105	SW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	FC
T1115	AC-DUP	2318-106	STW	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	EC-I
T1110	KAR-WWTP	2318-108	WWTP	filt.water	Prep Lab I-5-C	Cd, Cu, Pb, Ag and Zn	01/22/05	MLFM	EC-G

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 01/24/05
Batch: 3

PROJECT: FY05 Gorst Storm 2

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	TYPE
G1112-A	AC-LOW	2318-109	STW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1112-B	AC-LOW	2318-110	STW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1112-C	AC-LOW	2318-111	STW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1113-A	GC-M	2318-112	STW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1113-B	GC-M	2318-113	STW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1113-C	GC-M	2318-114	STW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1114-A	WADOT-01A	2318-115	SW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1114-B	WADOT-01A	2318-116	SW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1114-C	WADOT-01A	2318-117	SW	filt.water	Prep Lab l-5-C	Cu, Zn	01/22/05	MLFM	G
G1116-A	WADOT-02	2318-121	SW	filt.water	Prep Lab l-5-D	Cu, Zn	01/22/05	MLFM	G
G1116-B	WADOT-02	2318-122	SW	filt.water	Prep Lab l-5-D	Cu, Zn	01/22/05	MLFM	G
G1116-C	WADOT-02	2318-123	SW	filt.water	Prep Lab l-5-D	Cu, Zn	01/22/05	MLFM	G
G1117-A	WADOT-03	2318-124	SW	filt.water	Prep Lab l-5-D	Cu, Zn	01/22/05	MLFM	G
G1117-B	WADOT-03	2318-125	SW	filt.water	Prep Lab l-5-D	Cu, Zn	01/22/05	MLFM	G
G1117-C	WADOT-03	2318-126	SW	filt.water	Prep Lab l-5-D	Cu, Zn	01/22/05	MLFM	G
G1112-A DUP	AC-LOW	2318-127	STW	filt.water	Prep Lab l-5-D	Cu, Zn	01/22/05	MLFM	G
T1107	LMK 136	2318-128	SW	raw water	Outside Refrigerator	Organics	01/22/05	MLFM	FC
T1111	LMK 122	2318-129	SW	raw water	Outside Refrigerator	Organics	01/22/05	MLFM	FC
T1112	LMK 038	2318-130	SW	raw water	Outside Refrigerator	Organics	01/22/05	MLFM	FC
T1113	PO-POBLVD	2318-131	SW	raw water	Outside Refrigerator	Organics	01/22/05	MLFM	FC

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 02/09/05
Batch: 4

PROJECT: FY05 Sinclair/Dyes Inlet Marine 1 - ENV200501

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	TYPE
M4100	P3	2318-132	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4100	P3	2318-133	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4101	P2	2318-134	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4101	P2	2318-135	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4102	P2-dup	2318-136	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4102	P2-dup	2318-137	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4103	P1	2318-138	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4103	P1	2318-139	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4104	M4	2318-140	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn, and Hg	02/09/05	MLFM	G
M4104	M4	2318-141	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4105	M3.3	2318-142	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4105	M3.3	2318-143	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4106	SN12	2318-144	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4106	SN12	2318-145	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4107	BJ-EST	2318-146	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4107	BJ-EST	2318-147	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4108	M3.1	2318-148	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn, and Hg	02/09/05	MLFM	G
M4108	M3.1	2318-149	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4109	M6	2318-150	MW	raw water	Prep Lab K-6-C	Al, Cd, Cu, Pb, Zn, and Hg	02/09/05	MLFM	G
M4109	M6	2318-151	MW	filt. water	Prep Lab K-6-C	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4110	DY01	2318-152	MW	raw water	Prep Lab J-3-D	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4110	DY01	2318-153	MW	filt. water	Prep Lab J-3-D	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4112	PLO1	2318-154	MW	raw water	Prep Lab J-3-D	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4112	PLO1	2318-155	MW	filt. water	Prep Lab J-3-D	Cd, Cu, Pb, Zn	02/09/05	MLFM	G

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 02/09/05
Batch: 4

PROJECT: FY05 Sinclair/Dyes Inlet Marine 1 - ENV200501

SPONSOR CODE	Station ID	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	INITIALS	TYPE
M4113	PLO2	2318-156	MW	raw water	Prep Lab J-3-D	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4113	PLO2	2318-157	MW	filt. water	Prep Lab J-3-D	Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4114	PLO3	2318-158	MW	raw water	Prep Lab J-3-D	Al, Cd, Cu, Pb, Zn	02/09/05	MLFM	G
M4114	PLO3	2318-159	MW	filt. water	Prep Lab J-3-D	Cd, Cu, Pb, Zn	02/09/05	MLFM	G

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 3/2/05
Batch: 5

PROJECT FY05 Sinclair Storm 1

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	Start Date	Start Time	INITIALS	TYPE
T1200	BL	2318*160	STW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1538	CS	EC-I
T1200	BL	2318*161	STW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1538	CS	EC-I
T1201	OC	2318*162	STW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1558	CS	EC-I
T1201	OC	2318*163	STW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1558	CS	EC-I
T1202	B-ST28	2318*164	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1521	CS	FC
T1202	B-ST28	2318*165	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1521	CS	FC
T1203	B-ST/CSO16	2318*166	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1452	CS	FC
T1203	B-ST/CSO16	2318*167	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1452	CS	FC
T1204	PSNS015	2318*168	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1741	CS	FC
T1204	PSNS015	2318*169	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1741	CS	FC
T1205	PSNS124	2318*170	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1726	CS	FC
T1205	PSNS124	2318*171	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1726	CS	FC
T1206	PSNS126	2318*172	SW	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	02/28/05	1732	CS	FC
T1206	PSNS126	2318*173	SW	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	02/28/05	1732	CS	FC
G1200	B-WWTP	2318*174	WWTP	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	03/01/05	725	CS	EC-G
G1200	B-WWTP	2318*175	WWTP	DME	L Floor B	Cd, Cu, Pb, Ag and Zn	03/01/05	725	CS	EC-G
G1201	KAR-WWTP	2318*176	WWTP	TME	L Floor B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	03/01/05	800	CS	EC-G
G1201	KAR-WWTP	2318*177	WWTP	DME		Cd, Cu, Pb, Ag and Zn	03/01/05	800	CS	EC-G
G1202	B-ETF	2318*178	NOT COLLECTED							
G1202	B-ETF	2318*179	NOT COLLECTED							
G1205-A	WADOT-01A	2318*180	SW	TME	L Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	1705	CS	G
G1205-A	WADOT-01A	2318*181	SW	DME	L Floor B	Cu, Zn	02/28/05	1705	CS	G
G1205-B	WADOT-01A	2318*182	SW	TME	L Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	2238	CS	G
G1205-B	WADOT-01A	2318*183	SW	DME	L Floor B	Cu, Zn	02/28/05	2238	CS	G
G1205-C	WADOT-01A	2318*184	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	03/01/05	1021	CS	G
G1205-C	WADOT-01A	2318*185	SW	DME	K Floor B	Cu, Zn	03/01/05	1021	CS	G
G1206-A	WADOT-01B	2318*186	NOT COLLECTED							
G1206-A	WADOT-01B	2318*187	NOT COLLECTED							
G1206-B	WADOT-01B	2318*188	NOT COLLECTED							

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 3/2/05
Batch: 5

PROJECT FY05 Sinclair Storm 1

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	Start Date	Start Time	INITIALS	TYPE
G1206-B	WADOT-01B	2318*189	NOT COLLECTED							
G1206-C	WADOT-01B	2318*190	NOT COLLECTED							
G1206-C	WADOT-01B	2318*191	NOT COLLECTED							
G1207-A	WADOT-02	2318*192	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	1645	CS	G
G1207-A	WADOT-02	2318*193	SW	DME	K Floor B	Cu, Zn	02/28/05	1645	CS	G
G1207-B	WADOT-02	2318*194	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	2206	CS	G
G1207-B	WADOT-02	2318*195	SW	DME	K Floor B	Cu, Zn	02/28/05	2206	CS	G
G1207-C	WADOT-02	2318*196	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	03/01/05	1010	CS	G
G1207-C	WADOT-02	2318*197	SW	DME	K Floor B	Cu, Zn	03/01/05	1010	CS	G
G1208-A	WADOT-03	2318*198	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	1655	CS	G
G1208-A	WADOT-03	2318*199	SW	DME	K Floor B	Cu, Zn	02/28/05	1655	CS	G
G1208-B	WADOT-03	2318*200	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	02/28/05	2216	CS	G
G1208-B	WADOT-03	2318*201	SW	DME	K Floor B	Cu, Zn	02/28/05	2216	CS	G
G1208-C	WADOT-03	2318*202	SW	TME	K Floor B	Al, Cu, Zn, Cd, Pb	03/01/05	1015	CS	G
G1208-C	WADOT-03	2318*203	SW	DME	K Floor B	Cu, Zn	03/01/05	1015	CS	G
SEAWATER:										
M4150	P3	2318*204	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	653	CS	G
M4150	P3	2318*205	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	653	CS	G
M4151	P2	2318*206	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	710	CS	G
M4151	P2	2318*207	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	710	CS	G
M4154	M4 DUP	2318*208	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn, and Hg	03/02/05	823	CS	G
M4154	M4 DUP	2318*209	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	823	CS	G
M4152	P1	2318*210	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	752	CS	G
M4152	P1	2318*211	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	752	CS	G
M4153	M4	2318*212	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	823	CS	G
M4153	M4	2318*213	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	823	CS	G
M4155	M3.3	2318*214	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	846	CS	G
M4155	M3.3	2318*215	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	846	CS	G
M4156	SN12	2318*216	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	900	CS	G
M4156	SN12	2318*217	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	900	CS	G
M4157	BJ-EST	2318*218	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn	03/02/05	914	CS	G
M4157	BJ-EST	2318*219	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	914	CS	G

cc: Project Manager/Central File
Login File 2318

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 3/2/05
Batch: 5

PROJECT FY05 Sinclair Storm 1

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	Start Date	Start Time	INITIALS	TYPE
M4158	M3.1	2318*220	MW	TME	L Floor D	Al, Cd, Cu, Pb, Zn, and Hg	03/02/05	947	CS	G
M4158	M3.1	2318*221	MW	DME	L Floor D	Cd, Cu, Pb, Zn	03/02/05	947	CS	G
M4159	M6	2318*222	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn, and Hg	03/02/05	1117	CS	G
M4159	M6	2318*223	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	1117	CS	G
M4160	DY01	2318*224	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn	03/02/05	958	CS	G
M4160	DY01	2318*225	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	958	CS	G
M4163	PL05	2318*226	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn	03/02/05	931	CS	G
M4163	PL05	2318*227	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	931	CS	G
M4164	PL06	2318*228	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn	03/02/05	1051	CS	G
M4164	PL06	2318*229	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	1051	CS	G
M4162	PL04	2318*230	MW	TME	L Floor C	Al, Cd, Cu, Pb, Zn	03/02/05	840	CS	G
M4162	PL04	2318*231	MW	DME	L Floor C	Cd, Cu, Pb, Zn	03/02/05	840	CS	G
ORGANICS:										
T1200	BL	2318*232	STW	NA	Outside Ref	Organics	02/28/05	1538	CS	EC-I
T1201	OC	2318*233	STW	NA	Outside Ref	Organics	02/28/05	1558	CS	EC-I
T1202	B-ST28	2318*234	SW	NA	Outside Ref	Organics	02/28/05	1521	CS	FC
T1203	B-ST/CSO16	2318*235	SW	NA	Outside Ref	Organics	02/28/05	1452	CS	FC
T1204	PSNS015	2318*236	SW	NA	Outside Ref	Organics	02/28/05	1741	CS	FC
T1205	PSNS124	2318*237	SW	NA	Outside Ref	Organics	02/28/05	1726	CS	FC
T1206	PSNS126	2318*238	SW	NA	Outside Ref	Organics	02/28/05	1732	CS	FC

cc: Project Manager/Central File
Login File

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 03/21/05
Batch:

PROJECT: Sinclair Marine 3 FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	COLLECTION Time	INITIALS
M4200	P3	2318*239	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	646	CS
M4200	P3	2318*240	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	646	CS
M4201	P2	2318*241	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	710	CS
M4201	P2	2318*242	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	710	CS
M4202	P1	2318*243	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	747	CS
M4202	P1	2318*244	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	747	CS
M4203	M4	2318*245	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn, and Hg	03/19/05	829	CS
M4203	M4	2318*246	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	829	CS
M4204	M3.3	2318*247	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	844	CS
M4204	M3.3	2318*248	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	844	CS
M4205	SN12	2318*249	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	859	CS
M4205	SN12	2318*250	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	859	CS
M4206	SN12DUP	2318*251	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	859	CS
M4206	SN12DUP	2318*252	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	859	CS
M4207	BJ-EST	2318*253	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	913	CS
M4207	BJ-EST	2318*254	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	913	CS
M4208	M3.1	2318*255	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn, and Hg	03/19/05	940	CS
M4208	M3.1	2318*256	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	940	CS
M4209	M6	2318*257	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn, and Hg	03/19/05	1051	CS
M4209	M6	2318*258	Dissolved	Prep Lab K-2-C	Cd, Cu, Pb, Zn	03/19/05	1051	CS
M4210	DY01	2318*259	Total	Prep Lab K-2-C	Al, Cd, Cu, Pb, Zn	03/19/05	952	CS
M4210	DY01	2318*260	Dissolved	Prep Lab K-1-B	Cd, Cu, Pb, Zn	03/19/05	952	CS
M4212	PL07	2318*261	Total	Prep Lab K-1-B	Al, Cd, Cu, Pb, Zn	03/19/05	925	CS
M4212	PL07	2318*262	Dissolved	Prep Lab K-1-B	Cd, Cu, Pb, Zn	03/19/05	925	CS
M4213	PL08	2318*263	Total	Prep Lab K-1-B	Al, Cd, Cu, Pb, Zn	03/19/05	1030	CS
M4213	PL08	2318*264	Dissolved	Prep Lab K-1-B	Cd, Cu, Pb, Zn	03/19/05	1030	CS
M4214	PL09	2318*265	Total	Prep Lab K-1-B	Al, Cd, Cu, Pb, Zn	03/19/05	1030	CS
M4214	PL09	2318*266	Dissolved	Prep Lab K-1-B	Cd, Cu, Pb, Zn	03/19/05	1030	CS

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SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 03/21/05
Batch: 6

PROJECT: Sinclair Storm 2 FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	TYPE
T1209	B-ST28	2318*267	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1254	FC
T1209	B-ST28	2318*268	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1254	FC
T1210	B-ST/CSO16	2318*269	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1308	FC
T1210	B-ST/CSO16	2318*270	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1308	FC
T1211	PSNS015	2318*271	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1238	FC
T1211	PSNS015	2318*272	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1238	FC
T1212	PSNS124	2318*273	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1230	FC
T1212	PSNS124	2318*274	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1230	FC
T1213	PSNS126	2318*275	SW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1227	FC
T1213	PSNS126	2318*276	SW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1227	FC
T1207	BL	2318*277	STW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1240	EC-I
T1207	BL	2318*278	STW	DME	Prep Lab K-1-B	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1240	EC-I
T1208	OC	2318*279	STW	TME	Prep Lab K-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1236	EC-I
T1208	OC	2318*280	STW	DME	Prep Lab K-1-A	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1236	EC-I
T1221	B-ST12	2318*281	SW	TME	Prep Lab K-1-A	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1318	FC
T1221	B-ST12	2318*282	SW	DME	Prep Lab K-1-A	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1318	FC
G1210	KAR-WWTP	2318*283	WWTP	TME	Prep Lab K-1-A	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	CS,MLFM	03/19/05	1300	EC-G
G1210	KAR-WWTP	2318*284	WWTP	DME	Prep Lab K-1-A	Cd, Cu, Pb, Ag and Zn	CS,MLFM	03/19/05	1300	EC-G
G1214A	WADOT-01A	2318*285	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1428	G
G1214A	WADOT-01A	2318*286	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/19/05	1428	G
G1214B	WADOT-01A	2318*287	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1815	G
G1214B	WADOT-01A	2318*288	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/19/05	1815	G
G1214C	WADOT-01A	2318*289	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/20/05	1050	G
G1214C	WADOT-01A	2318*290	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/20/05	1050	G
G1216A	WADOT-02	2318*297	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1420	G
G1216A	WADOT-02	2318*298	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/19/05	1420	G
G1216B	WADOT-02	2318*299	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1800	G
G1216B	WADOT-02	2318*300	SW	DME	Prep Lab K-1-A	Cu, Zn	CS,MLFM	03/19/05	1800	G
G1216C	WADOT-02	2318*301	SW	TME	Prep Lab K-1-A	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/20/05	1035	G
G1216C	WADOT-02	2318*302	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/20/05	1035	G
G1217A	WADOT-03	2318*303	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1412	G

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SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 03/21/05
Batch: 6

PROJECT: Sinclair Storm 2 FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	TYPE
G1217A	WADOT-03	2318*304	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/19/05	1412	G
G1217B	WADOT-03	2318*305	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1805	G
G1217B	WADOT-03	2318*306	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/19/05	1805	G
G1217C	WADOT-03	2318*307	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/20/05	1040	G
G1217C	WADOT-03	2318*308	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/20/05	1040	G
G1214B DUP	WADOT-01A	2318*316	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/19/05	1815	G
G1214B DUP	WADOT-01A	2318*317	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/19/05	1815	G
G1214C DUP	WADOT-01A	2318*318	SW	DME	Prep Lab I-3-C	Cu, Zn	CS,MLFM	03/20/05	1052	G
G1214C DUP	WADOT-01A	2318*319	SW	TME	Prep Lab I-3-C	Al, Cu, Zn, Cd, Pb	CS,MLFM	03/20/05	1052	G
ORGANICS										
T1209	B-ST28	2318*309	SW	Freshwater	Refigerator	ORGANICS	CS,MLFM	03/19/05	1254	FC
T1210	B-ST/CSO16	2318*310	SW	Freshwater	Refigerator	ORGANICS	CS,MLFM	03/19/05	1308	FC
T1211	PSNS015	2318*311	SW	Freshwater	Refigerator	ORGANICS	CS,MLFM	03/19/05	1238	FC
T1212	PSNS124	2318*312	SW	Freshwater	Refigerator	ORGANICS	CS,MLFM	03/19/05	1230	FC
T1213	PSNS126	2318*313	SW	Freshwater	Refigerator	ORGANICS	CS,MLFM	03/19/05	1227	FC
T1207	BL	2318*314	STW	Freshwater	Refigerator	No not Analyze	CS,MLFM	03/19/05	1240	EC-I
T1208	OC	2318*315	STW	Freshwater	Refigerator	No not Analyze	CS,MLFM	03/19/05	1236	EC-I
T1221	B-ST12	2318*320	SW	Freshwater	Refigerator	ORGANICS	CS,MLFM	03/19/05	1318	FC

cc: Project Manager/Central File
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SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 03/27/05
Batch:

FW = Freshwater

PROJECT: FY 05 Dyes Storm 1

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
T1305	SW6	2318*321	SW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	140	FC
T1305	SW6	2318*322	SW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	140	FC
T1306	B-ST12	2318*323	SW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	136	FC
T1306	B-ST12	2318*324	SW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	136	FC
T1301	BA	2318*327	STW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	142	EC-I
T1301	BA	2318*328	STW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	142	EC-I
T1302	CC	2318*329	STW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	133	EC-I
T1302	CC	2318*330	STW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	133	EC-I
T1303	SC	2318*331	STW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	834	EC-I
T1303	SC	2318*332	STW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	834	EC-I
T1304	CH	2318*333	STW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	56	EC-I
T1304	CH	2318*334	STW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	56	EC-I
G1210	KAR-WWTP	2318*335	WWTP	Total - FW	Prep Lab J-2-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JB	03/26/05	800	EC-G
G1210	KAR-WWTP	2318*336	WWTP	Diss - FW	Prep Lab J-2-B	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	800	EC-G
T1307-A	B-ST01	2318*337	SW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn	JB	03/26/05	115	G
T1307-A	B-ST01	2318*338	SW	Diss - FW	Prep Lab I-1-C	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	115	G
T1307-B	B-ST01	2318*339	SW	Total - FW	Prep Lab I-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn	JB	03/26/05	945	G
T1307-B	B-ST01	2318*340	SW	Diss - FW	Prep Lab I-1-B	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	945	G
T1307-C	B-ST01	2318*341	SW	Total - FW	Prep Lab I-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn	JB	03/26/05	1845	G
T1307-C	B-ST01	2318*342	SW	Diss - FW	Prep Lab I-1-B	Cd, Cu, Pb, Ag and Zn	JB	03/26/05	1845	G
T1307	B-ST01	2318*371	SW	Total - FW	Prep Lab I-1-B	Hg	JB	03/26/05	115	EC-G
ORGANICS										
T1305	SW6	2318*374	SW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	140	FC
T1306	B-ST12	2318*376	SW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	136	FC
T1301	BA	2318*380	STW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	142	EC-I
T1302	CC	2318*382	STW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	133	EC-I
T1304	CH	2318*386	STW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	56	EC-I
T1307	B-ST01	2318*389	SW	Total - FW	Outside Fridge	ORGANICS	JB	03/26/05	115	EC-G

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SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 03/28/05
Batch: 8

MW = Seawater

PROJECT: Sinclair Marine 4 FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	STORAGE LOCATION	PARAMETERS REQUESTED	COLLECTION DATE	COLLECTION TIME	INITIALS
M4250	P3	2318*343	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	653	JB
M4250	P3	2318*344	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	653	JB
M4251	P2	2318*345	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	637	JB
M4251	P2	2318*346	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	637	JB
M4252	P1	2318*347	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	721	JB
M4252	P1	2318*348	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	721	JB
M4253	M4	2318*349	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn, and Hg	03/28/05	814	JB
M4253	M4	2318*350	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	814	JB
M4254	M3.3	2318*351	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	857	JB
M4254	M3.3	2318*352	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	857	JB
M4255	SN12	2318*353	Total - MW	Prep Lab J-2-B	Al, Cd, Cu, Pb, Zn	03/28/05	910	JB
M4255	SN12	2318*354	Diss - MW	Prep Lab J-2-B	Cd, Cu, Pb, Zn	03/28/05	910	JB
M4256	BJ-EST	2318*355	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn	03/28/05	922	JB
M4256	BJ-EST	2318*356	Diss - MW	Prep Lab J-4-C	Cd, Cu, Pb, Zn	03/28/05	922	JB
M4257	M3.1	2318*357	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn, and Hg	03/28/05	942	JB
M4257	M3.1	2318*358	Diss - MW	Prep Lab J-4-C	Cd, Cu, Pb, Zn	03/28/05	942	JB
M4258	M3.1DUP	2318*359	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn, and Hg	03/28/05	942	JB
M4258	M3.1DUP	2318*360	Diss - MW	Prep Lab J-4-C	Cd, Cu, Pb, Zn	03/28/05	942	JB
M4259	M6	2318*361	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn	03/28/05	1057	JB
M4259	M6	2318*362	Diss - MW	Prep Lab J-4-C	Cd, Cu, Pb, Zn	03/28/05	1057	JB
M4260	DY01	2318*363	Total - MW	Prep Lab J-4-C	Al, Cd, Cu, Pb, Zn	03/28/05	1002	JB
M4260	DY01	2318*364	Diss - MW	Prep Lab J-2-C	Cd, Cu, Pb, Zn	03/28/05	1002	JB
M4262	PL10	2318*365	Total - MW	Prep Lab J-2-C	Al, Cd, Cu, Pb, Zn	03/28/05	754	JB
M4262	PL10	2318*366	Diss - MW	Prep Lab J-2-C	Cd, Cu, Pb, Zn	03/28/05	754	JB
M4263	PL11	2318*367	Total - MW	Prep Lab J-2-C	Al, Cd, Cu, Pb, Zn	03/28/05	831	JB
M4263	PL11	2318*368	Diss - MW	Prep Lab J-2-C	Cd, Cu, Pb, Zn	03/28/05	831	JB
M4264	PL12	2318*369	Total - MW	Prep Lab J-2-C	Al, Cd, Cu, Pb, Zn	03/28/05	846	JB
M4264	PL12	2318*370	Diss - MW	Prep Lab J-2-C	Cd, Cu, Pb, Zn	03/28/05	846	JB

cc: Project Manager/Central File
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SAMPLE LOGIN

(SOP# MSL-A-001

Project Manager: Brandenberger
Date Received: 4/1/2005
Batch: 10

PROJECT: FY05 Dyes Storm 2

FW = Freshwater

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
T1313	SW6	2318*391	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	2036	FC
T1313	SW6	2318*392	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	2036	FC
T1314	B-ST12	2318*393	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	1907	FC
T1314	B-ST12	2318*394	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	1907	FC
T1308	BI-SBC	2318*395	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	1849	FC
T1308	BI-SBC	2318*396	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	1849	FC
T1309	BA	2318*397	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	2000	EC-I
T1309	BA	2318*398	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	2000	EC-I
T1310	CC	2318*399	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	2157	EC-I
T1310	CC	2318*400	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	2157	EC-I
T1311	SC	2318*401	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	2032	EC-I
T1311	SC	2318*402	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	2032	EC-I
T1312	CH	2318*403	STW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	1819	EC-I
T1312	CH	2318*404	STW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	1819	EC-I
T1315A	B-ST01	2318*405	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	1750	G
T1315A	B-ST01	2318*406	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	1750	G
T1315B	B-ST01	2318*407	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	30	G
T1315B	B-ST01	2318*408	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	30	G
T1315C	B-ST01	2318*409	SW	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/31/05	955	G
T1315C	B-ST01	2318*410	SW	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	03/31/05	955	G
G1219	KAR-WWTP	2318*411	WWTP	Total - FW	L-1-C	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	04/01/05	730	EC-G
G1219	KAR-WWTP	2318*412	WWTP	Diss - FW	L-1-C	Cd, Cu, Pb, Ag and Zn	JMB	04/01/05	730	EC-G
T1315	B-ST01	2318*441	SW	Total - FW	L-1-C	HG	JMB	03/31/05	1750	EC-G
ORGANICS										
T1313	SW6	2318*445	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	2036	FC
T1314	B-ST12	2318*446	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	1907	FC
T1308	BI-SBC	2318*447	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	1849	FC
T1311	SC	2318*450	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	2032	EC-I
T1315	B-ST01	2318*452	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/31/05	1750	EC-G

cc: Project Manager/Central File
Login File

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 3/31/2005
Batch: 9

PROJECT: Wet Season Baseflow FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
T1316	BI-SBC	2318*453	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1120	D
T1317	BA	2318*455	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1318	CC	2318*457	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1120	D
T1319	SC	2318*459	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1320	CH	2318*461	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1321	SW6	2318*463	SW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1322	B-ST12	2318*465	SW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1110	D
T1323	B-ST01	2318*467	SW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1400	G
T1324	GC-SAN	2318*469	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1335	G
T1325	BL	2318*471	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1325	G
T1326	OC	2318*473	STW	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	1300	G
G1209	B-WWTP	2318*475	WWTP	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	838	EC-G
G1201	KAR-WWTP	2318*481	WWTP	Total - FW	Prep Lab L-6-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	03/30/05	830	EC-G
T1316	BI-SBC	2318*454	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1120	D
T1317	BA	2318*456	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1318	CC	2318*458	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1120	D
T1319	SC	2318*460	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1320	CH	2318*462	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1321	SW6	2318*464	SW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1322	B-ST12	2318*466	SW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1110	D
T1323	B-ST01	2318*468	SW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1400	G
T1324	GC-SAN	2318*470	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1335	G
T1325	BL	2318*472	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1325	G
T1326	OC	2318*474	STW	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	1300	G
G1209	B-WWTP	2318*476	WWTP	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	838	EC-G
G1201	KAR-WWTP	2318*482	WWTP	Diss - FW	Prep Lab L-6-B	Cd, Cu, Pb, Ag and Zn	JMB	03/30/05	830	EC-G

cc: Project Manager/Central File
Login File

SAMPLE LOGIN

(SOP# MSL-A-001)

Project Manager: Brandenberger
Date Received: 3/31/2005
Batch: 9

PROJECT: Wet Season Baseflow FY05

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
ORGANICS:										
T1316	BI-SBC	2318*504	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1120	D
T1318	CC	2318*506	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1120	D
T1320	CH	2318*508	STW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1110	D
T1321	SW6	2318*509	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1110	D
T1322	B-ST12	2318*510	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1110	D
T1323	B-ST01	2318*511	SW	Total - FW	Outside Refrig	ORGANICS	JMB	03/30/05	1400	G

cc: Project Manager/Central File
Login File

SAMPLE LOGIN

(SOP# MSL-A-001

Project Manager: Brandenberger
Date Received: 4/1/2005
Batch: 10

PROJECT: Make up event for Dyes 1 BI-SBC

SPONSOR CODE	Site Description	BATTELLE CODE	MATRIX	Portion	STORAGE LOCATION	PARAMETERS REQUESTED	INITIALS	Start Date	Start Time	Sample Type
T1300	BI-SBC	2318*454B	STW	Total	I-1-B	Al, As, Cd, Cr, Cu, Pb, Ag, Zn and Hg	JMB	04/10/05	2047	FC
T1300	BI-SBC	2318*455B	STW	Dissolved	I-1-B	Cd, Cu, Pb, Ag and Zn	JMB	04/10/05	2047	FC
ORGANICS										
T1300	BI-SBC	2318*453B	STW	Total	Outside Refrig	ORGANICS	JMB	04/10/05	2047	FC

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC Christian

Project/Client Battelle Work Order K250 0540

Cooler received on 1-21-05 and opened on 1-21-05 by BW

1. Were custody seals on outside of coolers? Y N
   If yes, how many and where? N.P
2. Were custody seals intact? Y N
3. Were signature and date present on the custody seals? on back also Y N
4. Is the shipper's airbill available and filed? If no, record airbill number: FedEx 7928-2745-6160 Y N
5. COC# Y N

Temperature of cooler(s) upon receipt: (°C)	1.9	2.6	1.5	2.6
Temperature Blank: (°C)	N.P	N.P	N.P	N.P

Were samples hand delivered on the same day as collection? ~~Y~~ N

6. Were custody papers properly filled out (ink, signed, etc.)? Y N
7. Type of packing material present Hard Ice, ICE
8. **Did all bottles arrive in good condition (unbroken)?** Y N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? Y N
10. Did all bottle labels and tags agree with custody papers? Y N
11. **Were the correct types of bottles used for the tests indicated?** Y N
12. Were all of the preserved bottles received at the lab with the appropriate pH? Y N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y N
14. Did the bottles originate from CAS/K or a branch laboratory? ~~Y~~ N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** Y N
16. Was C12/Res negative? ~~Y~~ N

Explain any discrepancies:

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00016

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/20/2005

Page: 1 of 2

K1500540

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

00008

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 1 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Observations, Instructions
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X				5	WWTP composite
	G1108-A	1/17/2005 0120	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-B	1/17/2005 1050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-C	1/17/2005 2030	fresh water			x	x									x	x				3	Gorst Restoration site discretes

Total # of Containers= 45

Relinquished by: [signature] 1/20/05 12:40
Signature Date Time
Printed Name Company

Received by: [signature] 1/21/05 1400
Signature Date Time
Blank CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM **Battelle**

K2500540

Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

00009

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller
Phone: (360) 681-3668

Cooler # 1 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	
	G1103-A	01/17/05 0145	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1103-B	01/17/05 1130	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1103-C	01/17/05 2100	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-A	1/17/2005 0130	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-B	1/17/2005 1715	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-C	1/17/2005 2050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-A	1/17/2005 0155	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-B	1/17/2005 1105	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-C	1/17/2005 2110	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-B DUP	1/17/2005 1107	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1106-B	1/17/2005 1115	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-A	1/17/2005 0110	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-B	1/17/2005 1045	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-C	1/17/2005 2042	fresh water			x	x									x	x				3	Gorst Restoration site discretes
																						Total # of Containers= 42

Relinquished by: R. Wood 1/20/05 12:40
Signature Date Time
Printed Name Company

Received by: Tracy Black 1/21/05 1400
Signature Date Time
Black OAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/20/2005

Page: 1 of 2

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

000010

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 2 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Observations, Instructions
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X				5	WWTP composite
	G1108-A	1/17/2005 0120	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-B	1/17/2005 1050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-C	1/17/2005 2030	fresh water			x	x									x	x				3	Gorst Restoration site discretes

Total # of Containers= 45

Relinquished by: [signature] 1/20/05 12:40
Signature Date Time
Printed Name Company

Received by: [signature] 1/21/05 1400
Signature Date Time
BLack CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Battelle

Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller
Phone: (360) 681-3668

Cooler # 2 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	
	G1103-A	01/17/05 0145	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1103-B	01/17/05 1130	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1103-C	01/17/05 2100	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-A	1/17/2005 0130	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-B	1/17/2005 1715	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-C	1/17/2005 2050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-A	1/17/2005 0155	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-B	1/17/2005 1105	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-C	1/17/2005 2110	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-B DUP	1/17/2005 1107	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1106-B	1/17/2005 1115	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-A	1/17/2005 0110	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-B	1/17/2005 1045	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-C	1/17/2005 2042	fresh water			x	x									x	x				3	Gorst Restoration site discretes
																						Total # of Containers= 42

Relinquished by: R. Wood 1/20/05 12:40
Signature Date Time
Printed Name Company

Received by: Frank Black 1/21/05 1400
Signature Date Time
Black OAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/20/2005

Page: 1 of 2

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

00012

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 3 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Observations, Instructions
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1108-A	1/17/2005 0120	fresh water			x	x									x	x				5	WWTP composite
	G1108-B	1/17/2005 1050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-C	1/17/2005 2030	fresh water			x	x									x	x				3	Gorst Restoration site discretes
																					3	Gorst Restoration site discretes

Total # of Containers= 45

Relinquished by: [illegible] 1/20/05 12:40
Signature Date Time
Printed Name Company

Received by: Tracy Black 1/21/05 1400
Signature Date Time
Black EAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Battelle

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/20/2005

Page: 1 of 2

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

00013

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 3 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Observations, Instructions
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X				5	WWTP composite
	G1108-A	1/17/2005 0120	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-B	1/17/2005 1050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-C	1/17/2005 2030	fresh water			x	x									x	x				3	Gorst Restoration site discretes

Total # of Containers= 45

Relinquished by: [signature] 1/20/05 12:40
Signature Date Time
Printed Name Company

Received by: [signature] 1/21/05 1400
Signature Date Time
Blank CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Battelle

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/20/2005

Page: 1 of 2

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

00014

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 4 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Observations, Instructions
	T1100	1/19/05 1000	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1101	1/18/05 2230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1102	1/19/05 0940	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1103	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1104	01/19/05 1130	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1105	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1106	01/19/05 1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1114	01/19/05 0600	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1101	01/18/05 2140	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	G1108-A	1/17/2005 0120	fresh water			x	x									x	x				3	WWTP composite
	G1108-B	1/17/2005 1050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1108-C	1/17/2005 2030	fresh water			x	x									x	x				3	Gorst Restoration site discretes
																x	x				3	Gorst Restoration site discretes

Total # of Containers= 45

Relinquished by: [signature] 1/20/05 12:40
Signature Date Time
Printed Name Company

Received by: [signature] 1/21/05 1400
Signature Date Time
Blake CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Battelle

Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

000015

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller
Phone: (360) 681-3668

Cooler # 4 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	
	G1103-A	01/17/05 0145	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1103-B	01/17/05 1130	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1103-C	01/17/05 2100	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-A	1/17/2005 0130	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-B	1/17/2005 1715	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1104-C	1/17/2005 2050	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-A	1/17/2005 0155	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-B	1/17/2005 1105	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-C	1/17/2005 2110	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1105-B DUP	1/17/2005 1107	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1106-B	1/17/2005 1115	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-A	1/17/2005 0110	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-B	1/17/2005 1045	fresh water			x	x									x	x				3	Gorst Restoration site discretes
	G1107-C	1/17/2005 2042	fresh water			x	x									x	x				3	Gorst Restoration site discretes
																						Total # of Containers= 42

Relinquished by: R. Wood 1/20/05 12:40
Signature Date Time
Printed Name Company

Received by: Tracy Black 1/20/05 1400
Signature Date Time
Black CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC JCL

Project/Client Battelle Work Order K250 0600

Cooler received on 1/25/05 and opened on 1/25/05 by DBCook

1.	Were custody seals on outside of coolers?				Y	N
	If yes, how many and where?					
2.	Were custody seals intact?				Y	N
3.	Were signature and date present on the custody seals?				Y	N
4.	Is the shipper's airbill available and filed? If no, record airbill number:				Y	N
5.	COC#					
	Temperature of cooler(s) upon receipt: (°C)	1.9	2.6	3.3	1.3	
	Temperature Blank: (°C)		1.9	2.7	NA	
	Were samples hand delivered on the same day as collection?				Y	N
6.	Were custody papers properly filled out (ink, signed, etc.)?				Y	N
7.	Type of packing material present hard packs - fmap - bmap					
8.	**Did all bottles arrive in good condition (unbroken)?**				Y	N
9.	Were all bottle labels complete (i.e analysis, preservation, etc.)?				Y	N
10.	Did all bottle labels and tags agree with custody papers?				Y	N
11.	**Were the correct types of bottles used for the tests indicated?**				Y	N
12.	Were all of the preserved bottles received at the lab with the appropriate pH?				Y	N
13.	Were VOA vials checked for absence of air bubbles, and if present, noted below?				~~Y~~	~~N~~
14.	Did the bottles originate from CAS/K or a branch laboratory?				Y	N
15.	**Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?**				~~Y~~	~~N~~
16.	Was C12/Res negative?				~~Y~~	~~N~~

Explain any discrepancies:

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00012

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/24/05

Page: 1 of 4

1(2500600

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 1 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Observations, Instructions
	G1112-A	1/22/05 0750	fresh water			X	X									X	X				3	Gorst Restoration site discretes
	G1112-B	1/22/05 1805	fresh water			X	X									X	X				3	Gorst Restoration site discretes
	G1112-C	1/22/05 2230	fresh water			X	X									X	X				3	Gorst Restoration site discretes
	G1113-A	1/22/05 1035	fresh water			X	X									X	X				3	Gorst Restoration site discretes
	G1113-B	1/22/05 1745	fresh water			X	X									X	X				3	Gorst Restoration site discretes
	G1113-C	1/22/05 2205	fresh water			X	X									X	X				3	Gorst Restoration site discretes
	G1112-A DUP 1	1/22/05 0753	fresh water			X	X									X	X				3	Gorst Restoration site discretes

Total # of Containers = 21

Relinquished by: L O'Rourke 1/24/05 1500
Signature Date Time
L O'Rourke Battelle MSL
Printed Name Company

Received by: 1/25/05 1000
Signature Date Time
Printed Name CAS
Company

Shipment Method: FedEx

Special Requirements or Conditions: Cool 4°C ± 2°

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/24/05

Page: 2 of 4

K250060

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller
Phone: (360) 681-3668

Cooler # 2 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	
	G1114-A	1/22/05 0733	fresh water			3	3									3	3				3	Gorst Restoration site discretes
	G1114-B	1/22/05 1750	fresh water			3	3									3	3				3	Gorst Restoration site discretes
	G1114-C	1/22/05 2220	fresh water			3	3									3	3				3	Gorst Restoration site discretes
	G1116-A	1/22/05 0719	fresh water			3	3									3	3				3	Gorst Restoration site discretes
	G1116-B	1/22/05 1725	fresh water			3	3									3	3				3	Gorst Restoration site discretes
	G1116-C	1/22/05 2145	fresh water			3	3									3	3				3	Gorst Restoration site discretes
	G1117-A	1/22/05 0725	fresh water			3	3									3	3				3	Gorst Restoration site discretes
	G1117-B	1/22/05 1735	fresh water			3	3									3	3				3	Gorst Restoration site discretes
	G1117-C	1/22/05 2155	fresh water			3	3									3	3				3	Gorst Restoration site discretes

Total # of Containers = 27

Relinquished by: D. O'Rourke 1/24/05 1500
Signature Date Time
L. O'Rourke Battelle MSL
Printed Name Company

Received by: [illegible] 1/25/05 1000
Signature Date Time
[illegible] CAS
Printed Name Company

Shipment Method: Fedex

Special Requirements or Conditions: Cool 4° ± 2°C

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date 1/24/05

Page 3 of 4

K2500600

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

00010

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 3 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Observations, Instructions
	G1110	1/22/05 0730	fresh water	X	X	X	X					X	X	X	X	X	X				5	WWTP composite
	T1107	1/22/05 0642	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1108	1/22/05 0530	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1109	1/22/05 0943	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites

NOTE: TOC should be taken out of NUTRIENTS bottle.

Total # of Containers = 20

Relinquished by: L O Rowne 1/24/05 1500
Signature Date Time
L O Rowne Battelle MSC
Printed Name Company

Received by: [signature] 1/25/05 1000
Signature Date Time
[signature] CAS
Printed Name Company

Shipment Method: Fedex

Special Requirements or Conditions: Cool 4° ± 2°C

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 1/24/05

Page: 4 of 4

12500600

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

1100011

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler #4 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Observations, Instructions
	T1111	1/22/05 0922	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1112	1/22/05 0821	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1113	1/22/05 0628	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites
	T1115	1/22/05 0538	fresh water	X	X	X	X					X	X	X	X	X	X				5	ISCO composites

NOTE: TOC should be taken out of NUTRIENTS bottle.

Total # of Containers = 20

Relinquished by: J O Rourke 1/24/05 1500
Signature Date Time
L. O'Rourke Battelle MSL
Printed Name Company

Received by: [illegible] 1/25/05 1000
Signature Date Time
[illegible] CAS
Printed Name Company

Shipment Method: Fedex

Special Requirements or Conditions: Cool 4° ± 2°C

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC 1416

Project/Client Battelle Work Order K250 1082

Cooler received on 2/11/05 and opened on 2/11/05 by AP

1. Were custody seals on outside of coolers? FX Y N
   If yes, how many and where? —
2. Were custody seals intact? Y N
3. Were signature and date present on the custody seals? Y N
4. Is the shipper's airbill available and filed? If no, record airbill number: Y N
5. COC#

Temperature of cooler(s) upon receipt: (°C)	1.0	0.7		
Temperature Blank: (°C)	N/P	N/P		

Were samples hand delivered on the same day as collection? Y N

6. Were custody papers properly filled out (ink, signed, etc.)? Y N
7. Type of packing material present Bubble, Gel ice
8. **Did all bottles arrive in good condition (unbroken)?** Y N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? Y N
10. Did all bottle labels and tags agree with custody papers? Y N
11. **Were the correct types of bottles used for the tests indicated?** Y N
12. Were all of the preserved bottles received at the lab with the appropriate pH? Y N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y N
14. Did the bottles originate from CAS/K or a branch laboratory? Y N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** Y N
16. Was C12/Res negative? Y N

Explain any discrepancies: RECEIVED ONE BOTTLE, NOT TWO, FOR THE FOLLOWING: M4104, M4108, M4109.

K2501082-024 731398
HERK C4
M4108
250 ml Yellow

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00010

K2501182

8100

COC Number: _____

CHAIN OF CUSTODY FORM

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

Date:
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Event: Sinclair Marine and Nearshore

Analyze parameters per Table 2-1 in ENVVEST QAPP

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382
ATTN:Jeff Christian

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containe	StationID	Cruise or Storm#	Jar#	% Full
	M4100-TS	2/9/2005 1301 PM	H2O			x	x														1	P3	2005ENV01		95
	M4101-TS	2/9/2005 1313 PM	H2O			x	x														1	P2	2005ENV01		95
	M4102-TS	2/9/05 1313 PM	H2O			x	x														1	P2 DUP	2005ENV01		95
	M4103-TS	2/9/2005 0841 AM	H2O			x	x														1	P1	2005ENV01		95
	M4104-TS	2/9/2005 0930 AM	H2O			x	x														1	M4	2005ENV01		95
	M4105-TS	2/9/2005 0951 AM	H2O			x	x														1	M3.3	2005ENV01		95
	M4106-TS	2/9/2005 1015 AM	H2O			x	x														1	SN12	2005ENV01		95
	M4107-TS	2/9/2005 1030 AM	H2O			x	x														1	BJ-EST	2005ENV01		95
	M4108-TS	2/9/2005 1054 AM	H2O			x	x														1	M3.1	2005ENV01		95
	M4109-TS	2/9/2005 1201 PM	H2O			x	x														1	M6	2005ENV01		95
	M4110-TS	2/9/2005 1110 AM	H2O			x	x														1	DY01	2005ENV01		95
	M4112-TS	2/9/2005 0914 AM	H2O			x	x														1	PL01	2005ENV01		95
	M4113-TS	2/9/2005 1045 AM	H2O			x	x														1	PL02	2005ENV01		95
	M4114-TS	2/9/2005 1225 PM	H2O			x	x														1	PL03	2005ENV01		95

Observations, Instructions

Relinquished by:
Rebecca Wood 2/10/05 11:30
Signature Date Time
REBECCA WOOD BATTELLE
Printed Name Company

Received by:
Tracy Blake 2/10/05 1300
Signature Date Time
Blake CAS
Printed Name Company

Total # of Containers 14
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

COC Number: _____

CHAIN OF CUSTODY FORM

Project No.: 43043
Project Name: TMDL in Sinclair & Dyes Inlets
Project Manager: Martin C. Miller
Phone: (360) 681-3668

Date: 2/10/2005
Sample Team: Whitney, Walpole, Beckwith (PSNS)
Event: Sinclair Marine and Nearshore

Laboratory: Battelle MSL
Address: 1529 W. Sequim Bay Road
Sequim, WA 98382
ATTN: Jeff Christian

Lab. Use only: Lab ID	Sample ID	Collection Date/Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	LISST	Nitrate+Nitrite	Total Phosphorus	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Total Mercury	Organics	NUTRIENTS	Hg	OSAL (ocean Salinity)	No. of Battelle containe	StationID	Cruise or Storm#	Jar#	% Full
	M4100	2/9/2005 07430 AM	H2O									x	x								2	P3	2005ENV01		95
	M4101	2/9/2005 0805 AM	H2O									x	x								2	P2	2005ENV01		95
	M4102	2/9/2005 0805 AM	H2O									x	x								2	P2 DUP	2005ENV01		95
	M4103	2/9/2005 0841 AM	H2O									x	x								2	P1	2005ENV01		95
	M4104	2/9/2005 0930 AM	H2O									x	x								~~2~~ 1	M4	2005ENV01		95
	M4104NUTSHG	2/9/2005 0930 AM	H2O															x			1	M4	2005ENV01		95
	M4105	2/9/2005 0951 AM	H2O									x	x								2	M3.3	2005ENV01		95
	M4106	2/9/2005 1015 AM	H2O									x	x								2	SN12	2005ENV01		95
	M4107	2/9/2005 1030 AM	H2O									x	x								2	BJ-EST	2005ENV01		95
	M4108	2/9/2005 1054 AM	H2O									x	x								~~2~~ 1	M3.1	2005ENV01		95
	M4108NUTSHG	2/9/2005 1054 AM	H2O															x			1	M3.1	2005ENV01		95
	M4109	2/9/2005 1201 PM	H2O									x	x								~~2~~ 1	M6	2005ENV01		95
	M4109NUTSHG	2/9/2005 1201 PM	H2O															x			1	M6	2005ENV01		95
	M4110	2/9/2005 1110 AM	H2O									x	x								2	DY01	2005ENV01		95
	M4112	2/9/2005 0914 AM	H2O									x	x								2	PL01	2005ENV01		95
	M4113	2/9/2005 1045 AM	H2O									x	x								2	PL02	2005ENV01		95
	M4114	2/9/2005 1225 PM	H2O									x	x								2	PL03	2005ENV01		95

Observations, Instructions

Relinquished by: Rebecca Weed 2/10/05 11:30
Signature Date Time
REBECCA WEED BATTELLE
Printed Name Company

Received by: Ivan Black 2/10/05 1300
Signature Date Time
Black CAS
Printed Name Company

Total # of Containers 31
Shipment Method:
Special Requirements or Conditions:
Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC J.C'ke-

Project/Client BATTELLE Work Order K250 2392

Cooler received on 4/5/05 and opened on 4/5/05 by [illegible]

1. Were custody seals on outside of coolers? FX Y (N)
   If yes, how many and where? —
2. Were custody seals intact? Y N
3. Were signature and date present on the custody seals? Y N
4. Is the shipper's airbill available and filed? If no, record airbill number: 792246621539 792246621609 792246621447 792246621506 Y (N)
5. COC#

Temperature of cooler(s) upon receipt: (°C)	5.8	4.9	3.6	4.0
Temperature Blank: (°C)	7.9	6.8	N/P	N/P

Were samples hand delivered on the same day as collection? Y N

6. Were custody papers properly filled out (ink, signed, etc.)? (Y) N
7. Type of packing material present —
8. **Did all bottles arrive in good condition (unbroken)?** (Y) N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? (Y) N
10. Did all bottle labels and tags agree with custody papers? (Y) N
11. **Were the correct types of bottles used for the tests indicated?** (Y) N
12. Were all of the preserved bottles received at the lab with the appropriate pH? (Y) N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y N
14. Did the bottles originate from CAS/K or a branch laboratory? (Y) N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** Y N
16. Was C12/Res negative? Y N

Explain any discrepancies:

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/4/2005

Page: 2 of

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger
Phone: (360) 681-4564

Cooler # 1 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1318	3/30/2005	1120	fresh water	X	X	X	X					X	X	X	X	X	X				5	CC
T1319	3/30/2005	1110	fresh water	X	X	X	X					X	X	X	X	X	X				5	SC
T1320	3/30/2005	1110	fresh water	X	X	X	X					X	X	X	X	X	X				5	CH
T1321	3/30/2005	1110	fresh water	X	X	X	X					X	X	X	X	X	X				5	SW6
T1322	3/30/2005	1110	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST12
T1323	3/30/2005	1400	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST01
T1324	3/30/2005	1335	fresh water	X	X	X	X					X	X	X	X	X	X				5	GC-SAN
T1325	3/30/2005	1325	fresh water	X	X	X	X					X	X	X	X	X	X				5	BL
T1326	3/30/2005	1300	fresh water	X	X	X	X					X	X	X	X	X	X				5	OC
G1201	3/30/2005	830	fresh water	X	X	X	X					X	X	X	X	X	X			6	~~5~~	KAR-WWTP
G1209	3/30/2005	838	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-WWTP

Total # of Containers= 55

Relinquished by: [signature] 4/4/05 12:05
Signature Date Time
R. WOOD BATTELLE
Printed Name Company

Received by: [signature] 4/5/05 1000
Signature Date Time
A PAINTER LAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

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SAMPLE CHAIN OF CUSTODY FORM

Date: 4/4/2005

Page: 1 of

K2502392

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler # 1 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Observations, Instructions

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1313	3/31/2005	2036	fresh water	X	X	X	X					X	X	X	X	X	X				5	SW6
T1314	3/31/2005	1907	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST12
T1308	3/31/2005	1849	fresh water	X	X	X	X					X	X	X	X	X	X				5	BI-SBC
T1309	3/31/2005	2000	fresh water	X	X	X	X					X	X	X	X	X	X				5	BA
T1310	3/31/2005	2157	fresh water	X	X	X	X					X	X	X	X	X	X				5	CC
T1311	3/31/2005	2032	fresh water	X	X	X	X					X	X	X	X	X	X				5	SC
T1312	3/31/2005	1819	fresh water	X	X	X	X					X	X	X	X	X	X				5	CH
T1315	4/2/2005	900	fresh water									X	X	X	X						1	B-ST01 Composite
T1315-A	3/31/2005	1750	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete
T1315-B	4/1/2005	30	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete
T1315-C	3/31/2005	955	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete
G1219	4/1/2005	730	fresh water	X	X	X	X					X	X	X	X	X	X				5	KAR-WWTP
T1316	3/30/2005	1120	fresh water	X	X	X	X					X	X	X	X	X	X				5	BI-SBC
T1317	3/30/2005	1110	fresh water	X	X	X	X					X	X	X	X	X	X				5	BA
																						Total # of Containers= 66

Relinquished by: [signature] 4/4/05 12:05
Signature Date Time
R. WOOD BATTELLE
Printed Name Company

Received by: [signature] 4/5/05 1000
Signature Date Time
A PAYNTOL CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

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Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC J. Christ

Project/Client BATTELLE Work Order K250 2680

Cooler received on 4/13/05 and opened on 4/13/05 by [illegible]

1. Were custody seals on outside of coolers? FX Y N
   If yes, how many and where? —
2. Were custody seals intact? Y N
3. Were signature and date present on the custody seals? Y N
4. Is the shipper's airbill available and filed? If no, record airbill number: 790978289867 Y N
5. COC#

Temperature of cooler(s) upon receipt: (°C)	4.7			
Temperature Blank: (°C)	N/P			

Were samples hand delivered on the same day as collection? Y N

6. Were custody papers properly filled out (ink, signed, etc.)? Y N
7. Type of packing material present Bubble wrap
8. **Did all bottles arrive in good condition (unbroken)?** Y N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? Y N
10. Did all bottle labels and tags agree with custody papers? Y N
11. **Were the correct types of bottles used for the tests indicated?** Y N
12. Were all of the preserved bottles received at the lab with the appropriate pH? Y N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y N
14. Did the bottles originate from CAS/K or a branch laboratory? Y N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** Y N
16. Was C12/Res negative? Y N

Explain any discrepancies:

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00009

SAMPLE CHAIN OF CUSTODY FORM

Date: 4/12/2005

Page: 1 of

K2502680

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler # _____ of _____

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Observations, Instructions

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1300	4/11/2005	847	fresh water	X	X	X	X					X	X	X	X	X	X				5	BI-SBC

Total # of Containers= 5

Relinquished by:
Signature: R. Wood Date: 4/12/05 Time: 12:00
Printed Name: R. WOOD Company: BATTELLE

Received by:
Signature: [illegible] Date: 4/13/05 Time: 1000
Printed Name: A. Amnna Company: CAS

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC J. Chris

Project/Client BATTELLE Work Order K250 2263

Cooler received on 3/30/05 and opened on 3/30/05 by [illegible]

1. Were custody seals on outside of coolers? FX Y (N)
   If yes, how many and where? —
2. Were custody seals intact? ~~Y~~ N
3. Were signature and date present on the custody seals? ~~Y~~ N
4. Is the shipper's airbill available and filed? If no, record airbill number: _____ (Y) N
5. COC#
   Temperature of cooler(s) upon receipt: (°C) 4.2
   Temperature Blank: (°C) N/P
   Were samples hand delivered on the same day as collection? ~~Y~~ N
6. Were custody papers properly filled out (ink, signed, etc.)? (Y) N
7. Type of packing material present GEL PACKS
8. **Did all bottles arrive in good condition (unbroken)?** (Y) N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? (Y) N
10. Did all bottle labels and tags agree with custody papers? (Y) N
11. **Were the correct types of bottles used for the tests indicated?** (Y) N
12. Were all of the preserved bottles received at the lab with the appropriate pH? (Y) N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ~~Y~~ N
14. Did the bottles originate from CAS/K or a branch laboratory? (Y) N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** ~~Y~~ N
16. Was C12/Res negative? ~~Y~~ N

Explain any discrepancies: _____

RESOLUTION: _____

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/29/2005

Page: 1 of

K2502263

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

00008

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler # 2 of 2

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
M4250	3/28/2005	653	seawater			x	x									x	x				3	
M4251	3/28/2005	637	seawater			x	x									x	x				3	
M4252	3/28/2005	721	seawater			x	x									x	x				3	
M4253	3/28/2005	814	seawater			x	x					x	x	x	x	x	x				4	
M4254	3/28/2005	857	seawater			x	x									x	x				3	
M4255	3/28/2005	910	seawater			x	x									x	x				3	
M4256	3/28/2005	922	seawater			x	x									x	x				3	
M4257	3/28/2005	942	seawater			x	x					x	x	x	x	x	x				4	
M4258	3/28/2005	942	seawater			x	x					x	x	x	x	x	x				4	
M4259	3/28/2005	1057	seawater			x	x									x	x				3	
M4260	3/28/2005	1002	seawater			x	x									x	x				3	
M4262	3/28/2005	754	seawater			x	x									x	x				3	
M4263	3/28/2005	831	seawater			x	x									x	x				3	
M4264	3/28/2005	846	seawater			x	x									x	x				3	Total # of Containers= 45

Observations, Instructions

Relinquished by: Rhonda Wood 3/29/05 13:40
Signature Date Time
R. Wood BATTELLE
Printed Name Company

Received by: [signature] 3/30/05 1000
Signature Date Time
A PAYNTER CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Date: 3/29/2005
Page: 2 of

K2502263

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

60000

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger
Phone: (360) 681-4564

Cooler # 2 of 2

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
G1210	3/26/2005	composite	freshwater	x	x	x	x					x	x	x	x	x	x				5	KAR-WWTP

Total # of Containers= 5

Relinquished by: [signature] 3/29/05 13:40
Signature Date Time
R. WOOD BATTELLE
Printed Name Company

Received by: [signature] 3/30/05 1000
Signature Date Time
A PAYNTER CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC T. Chris

Project/Client Battelle Work Order K250 2197

Cooler received on 3/29/05 and opened on 5/29/05 by [illegible]

1. Were custody seals on outside of coolers? — TX Y (N)
   If yes, how many and where? _____
2. Were custody seals intact? ~~Y~~ N
3. Were signature and date present on the custody seals? ~~Y~~ N
4. Is the shipper's airbill available and filed? If no, record airbill number: _____ (Y) N
5. COC#

Temperature of cooler(s) upon receipt: (°C)	6.8	8.0		
Temperature Blank: (°C)	N/p	N/p		

Were samples hand delivered on the same day as collection? ~~Y~~ N

6. Were custody papers properly filled out (ink, signed, etc.)? (Y) N
7. Type of packing material present _____
8. **Did all bottles arrive in good condition (unbroken)?** (Y) N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? (Y) N
10. Did all bottle labels and tags agree with custody papers? (Y) N
11. **Were the correct types of bottles used for the tests indicated?** (Y) N
12. Were all of the preserved bottles received at the lab with the appropriate pH? (Y) N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ~~Y~~ N
14. Did the bottles originate from CAS/K or a branch laboratory? (Y) N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** ~~Y~~ N
16. Was C12/Res negative? ~~Y~~ N

Explain any discrepancies: INSUFFICIENT ICE

RESOLUTION: _____

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00009

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/28/2005

Page: 1 of

12503197

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

00008

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler # ____ of ____

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1305	3/26/2005	140	fresh water	X	X	X	X					X	X	X	X	X	X				5	SW6
T1306	3/26/2005	136	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST12
T1301	3/26/2005	142	fresh water	X	X	X	X					X	X	X	X	X	X				5	BA
T1302	3/26/2005	133	fresh water	X	X	X	X					X	X	X	X	X	X				5	CC
T1303	3/26/2005	834	fresh water	X	X	X	X					X	X	X	X	X	X				5	SC
T1304	3/26/2005	56	fresh water	X	X	X	X					X	X	X	X	X	X				5	CH
T1307	3/26/2005	115	fresh water									X	X	X	X						1	B-ST01 Composite
T1307 A	3/26/2005	115	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete
T1307 B	3/26/2005	945	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete
T1307 C	3/26/2005	1845	fresh water	X	X	X	X									X	X				5	B-ST01 Discrete

Observations, Instructions

Total # of Containers= 46

Relinquished by: Rebecca Woody 3/28/05 10:15
Signature Date Time
REBECCA WOODY BATTELLE
Printed Name Company

Received by: [signature] 3/29/05 1022
Signature Date Time
[signature] CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC CHRISTIAN

Project/Client Battelle Work Order K250 1584

Cooler received on 3/4/05 and opened on 3/4/05 by TBlade

1. Were custody seals on outside of coolers? Y (N)
   If yes, how many and where? ↑ ↑ 1495
2. Were custody seals intact? ↑ ↑ 1497 Y (N)
3. Were signature and date present on the custody seals? ↑ ↑ 1942 Y (N)
4. Is the shipper's airbill available and filed? If no, record airbill number: 7914956 72103 Y (N)
5. COC#

Temperature of cooler(s) upon receipt: (°C)	4.0	3.7	3.9	
Temperature Blank: (°C)	Na	1.9	2.0	

Were samples hand delivered on the same day as collection? Y (N)

6. Were custody papers properly filled out (ink, signed, etc.)? (Y) N
7. Type of packing material present gel packs
8. **Did all bottles arrive in good condition (unbroken)?** (Y) N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? (Y) N
10. Did all bottle labels and tags agree with custody papers? (Y) N
11. **Were the correct types of bottles used for the tests indicated?** (Y) N
12. Were all of the preserved bottles received at the lab with the appropriate pH? Y (N)
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ~~Y N~~
14. Did the bottles originate from CAS/K or a branch laboratory? (Y) N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** ~~Y N~~
16. Was C12/Res negative? ~~Y~~ N

Explain any discrepancies:

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials
M4158	H_2SO_4	>1/4ml	EMR25713202	250		TB
M4163 x 2	↓		↓	↓		↓
M4164						
T1200						
M4153 x 2						
M4154						
M4156						
BS EST						

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/3/2005

Page: 1 of 3

K2501584

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller
Phone: (360) 681-3668

Cooler # 4 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
M4158	3/2/2005	947	fresh water			x	x					x	x	x	x	x	x				3	M3.1
M4159	3/2/2005	1117	fresh water			x	x					x	x	x	x	x	x				3	M6
M4160	3/2/2005	958	fresh water			x	x									x	x				3	DY01
M4162	3/2/2005	840	fresh water			x	x									x	x				3	PL04
M4163	3/2/2005	931	fresh water			x	x									x	x				3	PL05
M4164	3/2/2005	1051	fresh water			x	x									x	x				3	PL06

Total # of Containers= 18

Relinquished by:
Rebecca Wood 3/3/05 12:00
Signature Date Time
REBECCA WOOD BATTELLE
Printed Name Company

Received by:
Tracy Black 3/4/05 1100
Signature Date Time
Black CAL
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

8

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/3/2005

Page: 1 of 1

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller

Phone: (360) 681-3668

Cooler # 4 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1200	2/28/2005	1538	fresh water	X	X	X	X					X	X	X	X	X	X				5	BL
T1201	2/28/2005	1558	fresh water	X	X	X	X					X	X	X	X	X	X				5	OC
T1202	2/28/2005	1521	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST28
T1203	2/28/2005	1452	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST/CSO16
T1204	2/28/2005	1741	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS015
T1205	2/28/2005	1726	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS124
T1206	2/28/2005	1732	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS126
G1200	3/1/2005	725	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-WWTP
G1201	3/1/2005	800	fresh water	X	X	X	X					X	X	X	X	X	X				5	KAR-WWTP
G1205-A	2/28/2005	1705	fresh water			x	x									x	x				3	WADOT-01A
G1205-B	2/28/2005	2238	fresh water			x	x									x	x				3	WADOT-01A
G1205-C	3/1/2005	1021	fresh water			x	x									x	x				3	WADOT-01A

Observations, Instructions

Total # of Containers= 45

Relinquished by: Rebecca Wood 3/3/05 12:00
Signature Date Time
REBECCA WOOD BATTELLE
Printed Name Company

Received by: Frank Black 3/4/05 1100
Signature Date Time
Black CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/3/2005

Page: 1 of 2

Battelle

Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller
Phone: (360) 681-3668

Cooler # 4 of 4

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
G1207-A	2/28/2005	1645	fresh water			x	x									x	x				3	WADOT-02
G1207-B	2/28/2005	2206	fresh water			x	x									x	x				3	WADOT-02
G1207-C	3/1/2005	1010	fresh water			x	x									x	x				3	WADOT-02
G1208-A	2/28/2005	1655	fresh water			x	x									x	x				3	WADOT-03
G1208-B	2/28/2005	2216	fresh water			x	x									x	x				3	WADOT-03
G1208-C	3/1/2005	1015	fresh water			x	x									x	x				3	WADOT-03
M4150	3/2/2005	653	fresh water			x	x									x	x				3	P3
M4151	3/2/2005	710	fresh water			x	x									x	x				3	P2
M4152	3/2/2005	752	fresh water			x	x									x	x				3	P1
M4153	3/2/2005	823	fresh water			x	x									x	x				3	M4
M4154	3/2/2005	823	fresh water			x	x									x	x				3	M4 DUP
M4155	3/2/2005	846	fresh water			x	x									x	x				3	M3.3
M4156	3/2/2005	900	fresh water			x	x									x	x				3	SN12
M4157	3/2/2005	914	fresh water			x	x									x	x				3	BJ-EST
																						Total # of Containers= 42

Relinquished by: Rebecca Wood 3/3/05 12:00
Signature Date Time
REBECCA WOOD BATTELLE
Printed Name Company

Received by: Tracy Black 3/4/05 1700
Signature Date Time
Black CAS
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

10

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC J Chri

Project/Client Battelle Marine Sci - Work Order K250 2085

Cooler received on 3/23/05 and opened on 3/25/05 by J Black

1. Were custody seals on outside of coolers? Y (N)
   If yes, how many and where?
2. Were custody seals intact? Y (N)
3. Were signature and date present on the custody seals? Y (N)
4. Is the shipper's airbill available and filed? If no, record airbill number: 7910148823 33 Y (N)
5. COC#

Temperature of cooler(s) upon receipt: (°C)	4.2	3.8	4.5	4.8	3.5
Temperature Blank: (°C)	NA	NA	2.6	3.5 FB	3.0

Were samples hand delivered on the same day as collection? Y (N)

6. Were custody papers properly filled out (ink, signed, etc.)? (Y) (N)
7. Type of packing material present gelpacks bags
8. **Did all bottles arrive in good condition (unbroken)?** (Y) N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? (Y) N
10. Did all bottle labels and tags agree with custody papers? (Y) (N)
11. **Were the correct types of bottles used for the tests indicated?** (Y) N
12. Were all of the preserved bottles received at the lab with the appropriate pH? (Y) N
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? Y N
14. Did the bottles originate from CAS/K or a branch laboratory? (Y) N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** Y N
16. Was C12/Res negative? Y N

Explain any discrepancies: COC not relinquished
G1214-B Dup listed on COC with 5 Btls only rec'd
1-L White & 2-250 mL yellow -

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

SAMPLE CHAIN OF CUSTODY FORM

Date: 3/22/2005

Page: 1 of

K2502085

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger

Phone: (360) 681-4564

Cooler # ____ of ____

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Start Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
T1207	3/19/2005	1240	fresh water	X	X	X	X					X	X	X	X	X	X				5	BL
T1208	3/19/2005	1236	fresh water	X	X	X	X					X	X	X	X	X	X				5	OC
T1209	3/19/2005	1254	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST28
T1210	3/19/2005	1308	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST/CSO16
T1211	3/19/2005	1238	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS015
T1212	3/19/2005	1230	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS124
T1213	3/19/2005	1227	fresh water	X	X	X	X					X	X	X	X	X	X				5	PSNS126
G1210	3/19/2005	1300	fresh water	X	X	X	X					X	X	X	X	X	X				5	KAR-WWTP
G1214-B DUP	3/19/2005	1815	fresh water	~~X~~	~~X~~	X	X					~~X~~	~~X~~	~~X~~	~~X~~	X	X			3	~~5~~	WADOT-01A Rec'd 3 Btls not 5
G1214-A	3/19/2005	1428	fresh water			x	x									x	x				3	WADOT-01A
G1214-B	3/19/2005	1815	fresh water			x	x									x	x				3	WADOT-01A
G1214-C	3/20/2005	1050	fresh water			x	x									x	x				3	WADOT-01A
G1214-C DUP	3/20/2005	1052	fresh water			x	x									x	x				3	WADOT-01A
																						Total # of Containers= 57

Observations, Instructions

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company
3/23/05 1000

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

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SAMPLE CHAIN OF CUSTODY FORM

Date: 3/22/2005

Page: 2 of _____

1C2502085

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Chemistry Task Manager: Jill Brandenberger
Phone: (360) 681-4564

Cooler # _____ of _____

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
G1216-A	3/19/2005	1420	fresh water			x	x									x	x				3	WADOT-02
G1216-B	3/19/2005	1800	fresh water			x	x									x	x				3	WADOT-02
G1216-C	3/20/2005	1035	fresh water			x	x									x	x				3	WADOT-02
G1217-A	3/19/2005	1412	fresh water			x	x									x	x				3	WADOT-03
G1217-B	3/19/2005	1805	fresh water			x	x									x	x				3	WADOT-03
G1217-C	3/20/2005	1040	fresh water			x	x									x	x				3	WADOT-03
M4200	3/21/2005	646	seawater			x	x									x	x				3	P3
M4201	3/21/2005	710	seawater			x	x									x	x				3	P2
M4202	3/21/2005	747	seawater			x	x									x	x				3	P1
M4203	3/21/2005	829	seawater			x	x					x	x	x	x	x	x				4	M4
M4204	3/21/2005	844	seawater			x	x									x	x				3	M3.3
M4205	3/21/2005	859	seawater			x	x									x	x				3	SN12
M4206	3/21/2005	859	seawater			x	x									x	x				3	SN12 DUP
M4207	3/21/2005	913	seawater			x	x									x	x				3	BJ-EST
																						Total # of Containers= 43

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

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SAMPLE CHAIN OF CUSTODY FORM

Date: 3/22/2005

Page: 1 of #VALUE!

1(250)2085

Battelle
Marine Sciences Laboratory
1529 W. Sequim Bay Road
Sequim, Washington 98382

Project No.: 43043

Project Name: TMDL in Sinclair & Dyes Inlets

Project Manager: Martin C. Miller
Phone: (360) 681-3668

Cooler # _____ of _____

Laboratory: Columbia Analytical Svcs
Address: 1317 South 13th Ave
Kelso, WA 98626

Attention: Jeff Christian

Testing Parameters

Sample ID	Collection Date	Collection Time	Matrix	Alkalinity	Hardness	Total Solids	Total Suspended Solids	O-Phosphate	BOD	TPH	LISST	Nitrate+Nitrite	Total Phosphorus	TKN	Ammonia	TOC	DOC	Total Metals	Dissolved Metals	Organics	No. of containers	Station ID
M4208	3/21/2005	940	Seawater			x	x					x	x	x	x	x	x				4	M3.1
M4209	3/21/2005	1051				x	x					x	x	x	x	x	x				4	M6
M4210	3/21/2005	952				x	x									x	x				3	DY01
M4212	3/21/2005	925				x	x									x	x				3	PL07
M4213	3/21/2005	1030				x	x									x	x				3	PL08
M4214	3/21/2005	1030				x	x									x	x				3	PL09
T1221	3/19/2005	1318	fresh water	X	X	X	X					X	X	X	X	X	X				5	B-ST12

Total # of Containers= 25

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company
3/23/05 1020

Shipment Method:

Special Requirements or Conditions:

Sample Disposition:

Relinquished by:
Signature Date Time
Printed Name Company

Received by:
Signature Date Time
Printed Name Company

Distribution:
1) 2 copies to the Laboratory
2) 1 copy to project manager
3) Return completed original to Battelle Marine Sciences Laboratory

10

Composite Ratio Worksheet: 2005 Storm Water Conventionals

- Gorst
- Sinclair Inlet
- Dyes Inlet

Storm #1 ENVVEST FY05
Gorst Event #1: 17 - 18 Jan 05
Compositing Scheme for Stormwater Sites

Lab ID Series	**T1100-**											
Station ID	**LMK136**											
Bottle	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**
Date	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	18-Jan	18-Jan	18-Jan
Time	0054	0354	0654	0954	1203	1503	1803	2103	0003	0303	0603
Compositing %	5%	10%	0%	15%	25%	15%	10%	5%	5%	5%	5%
Tide Level	going low	low	going high	high	going low	low	low	going high	high	going low	low
% Full	100	100	20	60	100	100	100	100	100	100	85

Lab ID Series	**T1104-**										
Station ID	**LMK122**										
Bottle	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**
Date	16-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	18-Jan	18-Jan
Time	2357	0257	0557	0857	1157	1457	1757	2057	2357	0257	0557
Compositing %	5%	5%	5%	15%	25%	10%	10%	10%	5%	5%	5%
Tide Level	going low	low	going high	high	going low	low	low	going high	high	going low	low
% Full	100	100	100	100	100	100	100	100	100	100	100

Lab ID Series	**T1105-**									
Station ID	**LMK038**									
Bottle	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**
Date	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	18-Jan	18-Jan
Time	0213	0513	0813	1113	1413	1713	2013	2313	0213	0513
Compositing %	5%	10%	20%	20%	15%	10%	5%	5%	5%	5%
Tide Level	na									
% Full	100	100	100	100	100	100	100	100	100	100

Lab ID Series	**T1106-**										
Station ID	**PO-POBLVD**										
Bottle	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**
Date	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	17-Jan	18-Jan	18-Jan	18-Jan
Time	0047	0347	0647	0947	1247	1547	1847	2147	0047	0347	0647
Compositing %	5%	5%	5%	15%	20%	15%	10%	10%	5%	5%	5%
Tide Level	na										
% Full	100	100	100	100	100	100	100	100	100	100	90

Storm #2 ENVVEST FY05
Gorst Event #2: 22 Jan 05
Compositing Scheme for Stormwater Sites

Lab ID Series	**T1107-**					
Station ID	**LMK136**					
Bottle	**A**	**B**	**C**	**D**	**E**	
Date	22-Jan	22-Jan	22-Jan	22-Jan	22-Jan	
Time	0642	0942	1242	1542	1842	
Tide Level	low	going high	high	going low	low	
% Full	100	100	100	100	75	Total Storm Flow (cubic ft)
Flow (cubic ft)	35019	26694	32319	32778	24210	163,053
%of flow	21.5%	16%	20%	20%	15%	93%
COMPOSITE	**25%**	**20%**	**10%**	**30%**	**15%**	**100%**

Lab ID Series	**T1111-**					
Station ID	**LMK122**					
Bottle	**A**	**B**	**C**	**D**	**E**	
Date	22-Jan	22-Jan	22-Jan	22-Jan	22-Jan	
Time	0922	1222	1522	1822	2122	
Tide Level	low	going high	high	going low	low	
% Full	100	100	100	100	40	Total Storm Flow (cubic ft)
Flow (cubic ft)	27324	34272	36918	45387	12024	170,658
%of flow	16%	20%	22%	27%	7%	91%
COMPOSITE	**20%**	**20%**	**25%**	**30%**	**5%**	**100%**

Lab ID Series	**T1112-**					
Station ID	**LMK038**					
Bottle	**A**	**B**	**C**	**D**	**E**	
Date	22-Jan	22-Jan	22-Jan	22-Jan	22-Jan	
Time	0821	1121	1421	1721	2021	
Tide Level	na					
% Full	100	100	100	100	50	Total Storm Flow (cubic ft)
Flow (cubic ft)	963	1377	1107	1350	153	5,445
%of flow	18%	25%	20%	25%	3%	91%
COMPOSITE	**25%**	**25%**	**20%**	**25%**	**5%**	**100%**

Lab ID Series	**T1113-**					
Station ID	**PO-POBLVD**					
Bottle	**A**	**B**	**C**	**D**	**E**	
Date	22-Jan	22-Jan	22-Jan	22-Jan	22-Jan	
Time	0628	0928	1228	1528	1828	
Tide Level	na					
% Full	100	100	100	100	80	Total Storm Flow (cubic ft)
Flow (cubic ft)	*Flowlink shows total flow of -25k; bulk of positive flow in Bottle A					
%of flow	Use LMK136 compositing plan as a guide					0%
COMPOSITE	**35%**	**20%**	**15%**	**15%**	**15%**	**100%**

Storm #3 ENVVEST FY05
Sinclair Event #1: 28 Feb - 1 Mar 05
Compositing Scheme for Stormwater Sites

Lab ID Series	**T1202**														
Station ID	**B-ST28**														
Bottle		**A**		**B**		**C**		**D**		**E**		**F**		**G**	
Date		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar		1-Mar	
Time		1521		1821		2121		0021		0321		0621		0921	
Tide Level	na		na		na		na		na		na		na		
% Full		50		100		100		100		0		45		100	Total Storm Flow (cubic ft)
Flow (cubic ft)		4824		2142		8037		9621		11655		2223		414	41,967
%of flow		11%		5%		19%		23%		28%		5%		1%	93%
COMPOSITE		**20%**		**10%**		**30%**		**35%**		**0%**		**5%**		**0%**	**100%**

Lab ID Series	**T1203**														
Station ID	**B-ST/CSO16**														
Bottle		**A**		**B**		**C**		**D**		**E**		**F**		**G**	
Date		28-Feb		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar	
Time		1452		1752		2052		2352		0252		0552		0852	
Tide Level	na		na		na		na		na		na		na		
% Full		100		100		100		100		100		100		100	Total Storm Flow (cubic ft)
Flow (cubic ft)		2124		1134		1611		2664		3033		423		0	11,574
%of flow		18.4%		10%		14%		23%		26%		4%		0%	95%
COMPOSITE		**20%**		**10%**		**15%**		**25%**		**25%**		**5%**		**0%**	**100%**

Lab ID Series	**T1204**														
Station ID	**PSNS015**														
Bottle		**A**		**B**		**C**		**D**		**E**		**F**		**G**	
Date		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar		1-Mar	
Time		1741		2041		2341		0241		0541		0841		1141	
Tide Level	low to high		high		low		low to high		high		high to low		low		
% Full		100		100		100		100		100		100		25	Total Storm Flow (cubic ft)
Flow (cubic ft)		1755		11619		17640		3987		2979		7965		414	43,767
%of flow		4%		27%		40%		9%		7%		18%		1%	106%
COMPOSITE		**5%**		**35%**		**40%**		**15%**		**0%**		**5%**		**0%**	**100%**

Lab ID Series	**T1205**	Note: Physio-Chem data indicate salt water mixing w/ storm water at all periods EXCEPT during bottles C and D; take all samples from these bottles													
Station ID	**PSNS124**														
Bottle		**A**		**B**		**C**		**D**		**E**		**F**		**G**	
Date		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar		1-Mar	
Time		1726		2026		2326		0226		0526		0826		1126	
Tide Level	low to high		high		low		low to high		high		high to low		low		
% Full		100		100		100		100		100		100		45	Total Storm Flow (cubic ft)
Flow (cubic ft)		351		2484		16146		2745		-120		2403		3717	24849
%of flow		1%		6%		37%		6%		0%		5%		8%	63%
COMPOSITE		**0%**		**0%**		**80%**		**20%**		**0%**		**0%**		**0%**	**100%**

Lab ID Series	**T1206**	Note: Physio-Chem data indicate partial salt-water mixing in bottle B ONLY. No samples from this bottle													
Station ID	**PSNS126**														
Bottle		**A**		**B**		**C**		**D**		**E**		**F**		**G**	
Date		28-Feb		28-Feb		28-Feb		1-Mar		1-Mar		1-Mar		1-Mar	
Time		1732		2032		2332		0232		0532		0832		1132	
Tide Level	low to high		high		low		low to high		high		high to low		low		
% Full		100		100		100		100		100		100		50	Total Storm Flow (cubic ft)
Flow (cubic ft)		441		10602		17082		17352		-279		3294		63	53019
%of flow		1%		24%		39%		40%		-1%		8%		0%	111%
COMPOSITE		**10%**		**0%**		**50%**		**40%**		**0%**		**0%**			**100%**

Storm #4 ENVVEST FY05
Sinclair Event #2: 19 - 20 Mar 05
Compositing Scheme for Stormwater Sites

Lab ID Series	**T1209**											
Station ID	**B-ST28**											
Bottle		**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**			
Date		19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar			
Time		1254	1554	1854	2154	0054	0354	0654	0954			
Tide Level	na	na	na	na	na	na	na	na				
% Full		100	100	95	100	100	100	100	80	Total Storm Flow (cubi	Check	ballpark check
Flow (cubic ft)		32850	45711	2952	4734	2889	9477	20205	2772	130,356	121590	121590
%of flow		25%	38%	2%	4%	2%	7%	15%	2%	96%		
COMPOSITE		**30%**	**40%**	**0%**	**5%**	**0%**	**10%**	**15%**		**100%**		
Volume in Jar		**3.4**	**3.4**	**3.2**	**3.4**	**3.4**	**3.4**	**3.4**	**2.7**			
Volume needed for 5L		1.5	2	0	0.25	0	0.5	0.75	0	5		
Vol. for 10L		3	4	0	0.5	0	1	1.5	0	10		

Lab ID Series	**T1210**											
Station ID	**B-ST/CSO16**											
Bottle		**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**			
Date		19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar			
Time		1308	1608	1908	2208	0108	0408	0708	1008			
Tide Level	na	na	na	na	na	na	na	na				
% Full		100	100	100	100	100	100	100	50	Total Storm Flow (cubi	Check	ballpark check
Flow (cubic ft)		13473	10548	0	819	801	3888	1512	0	33,687	31041	31041
%of flow		40%	31%	0%	2%	2%	12%	4%	0%	92%		
COMPOSITE		**45%**	**35%**	**0%**	**0%**	**0%**	**15%**	**5%**		**100%**		
Volume in Jar		**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**1.7**			
Volume needed for 5L		2.25	1.75	0	0	0	0.75	0.25	0	5		
Vol. for 10L		4.5	3.5	0	0	0	1.5	0.5	0	10		

Lab ID Series	**T1211**											
Station ID	**PSNS015**											
Bottle		**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**			
Date		19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar			
Time		1238	1538	1838	2138	0038	0338	0638	0938			
Tide Level	high to low	low	low	low to high	high	high to low	low	low				
% Full		100	100	100	100	100	100	100	85	Total Storm Flow (cubi	Check	ballpark check
Flow (cubic ft)		60804	80451	2484	3672	12789	29277	16128	0	220,005	205605	205605
Flow (cubic ft)		60804	80451	2484			14638.5	16128	0	174,506	174505.5	174506
%of flow		35%	46%	1%	0%	0%	8%	9%	0%	100%		
COMPOSITE		**35%**	**50%**	**0%**	**0%**	**0%**	**5%**	**10%**	**0%**	**100%**		
Volume in Jar		**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**2.9**			
Volume needed for 5L		1.75	2.5	0	0	0	0.25	0.5	0	5		
Vol. for 10L		3.5	5	0	0	0	0.5	1	0	10		

Lab ID Series	**T1212**											
Station ID	**PSNS124**											
Bottle		**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**			
Date		19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar			
Time		1230	1530	1830	2130	0030	0330	0630	0930			
Tide Level	high to low	low	low	low to high	high	high to low	low	low				
% Full		100	100	100	100	100	100	100	70	Total Storm Flow (cubi	Check	ballpark check
Flow (cubic ft)		14661	22005	2925	0	0	1575	4644	1629	56,493	47439	47439
%of flow		26%	39%	5%	0%	0%	3%	8%	3%	84%		
COMPOSITE		**35%**	**50%**	**0%**	**0%**	**0%**	**5%**	**10%**	**0%**	**100%**		
Volume in Jar		**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**2.4**			
Volume needed for 5L		1.75	2.5	0	0	0	0.25	0.5	0	5		
Vol. for 10L		3.5	5	0	0	0	0.5	1	0	10		

Lab ID Series	**T1213**											
Station ID	**PSNS126**											
Bottle		**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**			
Date		19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar			
Time		1227	1527	1827	2127	0027	0327	0627	0927			
Tide Level	high to low	low	low	low to high	high	high to low	low	low				
% Full		100	100	100	100	100	100	100	60	Total Storm Flow (cubi	Check	ballpark check
Flow (cubic ft)		75114	68904	0	0	4248	4374	25335	1782	186,876	179757	179757
%of flow		40%	37%	0%	0%	2%	2%	14%	1%	96%		
COMPOSITE		**45%**	**40%**	**0%**	**0%**	**0%**	**5%**	**10%**	**0%**	**100%**		
Volume in Jar		**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**2.0**			
Volume needed for 5L		2.25	2	0	0	0	0.25	0.5	0	5		
Vol. for 10L		4.5	4	0	0	0	0.5	1	0	10		

Lab ID Series	**T1221**											
Station ID	**B-ST12**											
Bottle		**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**			
Date		19-Mar	19-Mar	19-Mar	19-Mar	20-Mar	20-Mar	20-Mar	20-Mar			
Time		1318	1618	1918	2218	0118	0418	0718	1018			
Tide Level	na	na	na	na	na	na	na	na				
% Full		80	100	100	100	100	100	100	90	Total Storm Flow (cubic ft)		ballpark check
Flow (cubic ft)		6255	4572	1152	3501	3933	5265	3861	2970	33,174	31509	31509
%of flow		19%	14%	3%	11%	12%	16%	12%	9%	95%		
COMPOSITE		**30%**	**20%**	**0%**	**10%**	**10%**	**15%**	**10%**	**5%**	**100%**		
Volume in Jar		**2.7**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.4**	**3.1**			
Volume needed for 5L		1.5	1	0	0.5	0.5	0.75	0.5	0.25	5		
Vol. for 10L		3	2	0	1	1	1.5	1	0.5	10		

Storm #5 ENVVEST FY05
Dyes Inlet Event #1: 26 Mar 05
Compositing Scheme for Stormwater Sites

Lab ID Series	**T1305**							
Station ID	**SW6**							
Bottle	**A**	**B**	**C**	**D**	**E**	**F**		
Date	26-Mar	26-Mar	26-Mar	26-Mar	26-Mar	26-Mar		
Time	0140	0440	0740	1040	1340	1640		
Tide Level	low to high	high	high to low	low	low to high	high		
% Full	100	100	100	100	100	100	Total Storm Flow (cubic ft)	ballpark check
Flow (cubic ft)	60759	121671	217089	136017	82044	34299	710,082	651879
%of flow	9%	19%	31%	21%	12%	5%	95%	
COMPOSITE	**10%**	**20%**	**30%**	**25%**	**10%**	**5%**	**100%**	

Lab ID Series	**T1306**							
Station ID	**B-ST12**							
Bottle	**A**	**B**	**C**	**D**	**E**	**F**		
Date	26-Mar	26-Mar	26-Mar	26-Mar	26-Mar	26-Mar		
Time	0136	0436	0736	1036	1336	1636		
Tide Level	na	na	na	na	na	na		
% Full	100	100	100	100	90	90	Total Storm Flow (cubic ft)	ballpark check
Flow (cubic ft)	8262	11664	6534	3501	13356	6849	54,072	50166
%of flow	15%	22%	12%	6%	25%	13%	93%	
COMPOSITE	**20%**	**25%**	**30%**	**15%**	**10%**	**0%**	**100%**	
Rainfall	0.29	0.32	0.35	0.23	0.1		1.29	
& of total rainfall	0.224806202	0.248062016	0.271317829	0.178294574	0.07751938			
	22	25	27	18	8		100	
rainfall based compositing %	20	25	30	15	10		100	

Sampling Ends Total Sampling Period

Storm BI-SBC MKUP Event ENVVEST FY05
BI-SBC Makeup Event; Dyes #3: 10 April 05
Proposed Compositing Scheme for Stormwater Sites

Lab ID Series	**T1300**							
Station ID	**BI-SBC**	12-HR						
Bottle	**A**	**B**	**C**	**D**	**E**			
Date	10-Apr	11-Apr						
Time	20:47	2:47						
Tide Level	NA	NA						
% Full	100	100				Total Storm Flow (cubic ft)	ballpark check	
Flow (cubic ft)	45318	69139				115,532	114457	
%of flow	39%	60%	0%	0%	0%	99%		
COMPOSITE	**40%**	**60%**				**100%**		
		3						

Storm #6 ENVVEST FY05
Dyes Inlet Event #2: 1 April 05
Compositing Scheme for Stormwater Sites

Lab ID Series	**T1308**											
Station ID	**BI-SBC**				30 hrs							
Bottle	**A**	**B**	**C**	**D**	**E**							
Date	31-Mar	1-Apr	1-Apr	1-Apr								
Time	1849	0049	0649	1249								
Tide Level	NA	NA	NA	NA								
% Full	100	100	100	20							Total Storm Flow (cubic ft)	ballpark check
Flow (cubic ft)	52690	107429	95340	5298							264,504	260757
%of flow	20%	41%	36%	2%	0%						99%	
COMPOSITE	**20%**	**45%**	**35%**	**0%**							**100%**	
vol. Available (L)	**3.7**	**3.7**	**3.7**	**0.7**								
Vol for 5L	**1.0**	**2.3**	**1.8**	**0.0**								
vol for 10L	**2.0**	**4.5**	**3.5**	**0.0**								
	1.6	**3.6**	**2.8**	**0.0**		8						

Lab ID Series	**T1313**											
Station ID	**SW6**								30 hrs			
Bottle	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**		
Date	31-Mar	31-Mar	1-Apr	1-Apr	1-Apr							
Time	2036	2336	0236	0536	0836							
Tide Level	sl - rising	high	sl-fall	slack	high							
% Full	100	100	100	100	65						Total Storm Flow (cubic ft)	ballpark check
Flow (cubic ft)	60849	100224	102969	30411	11223						330,390	305676
%of flow	18%	30%	31%	9%	3%	0%	0%	0%	0%	0%	93%	
COMPOSITE	**20%**	**35%**	**40%**	**5%**	**0%**						**100%**	
vol. Available (L)	**3.7**	**3.7**	**3.7**	**3.7**								
Vol for 5L	**1.0**	**1.8**	**2.0**	**0.3**								
vol for 10L	**2.0**	**3.5**	**4.0**	**0.5**								
			peak of storm		tidally influenced							

Lab ID Series	**T1314**											
Station ID	**B-ST12**								30 hrs			
Bottle	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**		
Date	31-Mar	31-Mar	1-Apr	1-Apr	1-Apr							
Time	19:07	22:07	1:07	4:07	7:07							
Tide Level	NA	NA	NA	NA	NA							
% Full	100	100	100	95	80						Total Storm Flow (cubic ft)	ballpark check
Flow (cubic ft)	9567	9855	11106	9819	4914						49,581	45261
%of flow	19%	20%	22%	20%	10%	0%	0%	0%	0%	0%	91%	
COMPOSITE	**25%**	**20%**	**30%**	**20%**	**5%**						**100%**	
vol. Available (L)	**3.7**	**3.7**	**3.7**	**3.5**	**3.0**							
Vol for 5L	**1.3**	**1.0**	**1.5**	**1.0**	**0.3**							
vol for 10L	**2.5**	**2.0**	**3.0**	**2.0**	**0.5**							

front loaded to get first flush

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