

Project Name/Location:

Contract Number: W9127N-05-C-0012

**Columbia River Channel Improvement - RM 98+00-102+00.**

Date: 11/16/2005

<b>Dredging</b>	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
<b>Load Number</b>	DR-1	20.7	13:51:00	7622663.14	735447.48	1.8	
1291	DR-3	21.1	13:54:00	7622360.22	735893.70	3.0	
<b>Tidal Stage</b>	DR-3R1	21.2	13:54:04	7622360.22	735893.70	3.2	
Ebb	DR-2	19.0	13:55:14	7622112.16	736016.18	31.3	10.6
<b>Dredge State:</b>	DR-2R1	18.8	13:55:17	7622112.16	736016.18	32.4	10.5
Overflow through skimmers only	DR-4	20.8	13:56:59	7621802.46	736827.36	9.8	
	DR-4R1	20.6	13:57:03	7621802.46	736827.36	9.8	
<b>Weather:</b>							
Clear							
<b>Wind:</b>							
5-10 kts							
<b>Seas:</b>							
0-1'							
<b>Disposal location</b>							
Columbia River RM 17.5 & 18.8							
<b>Remarks:</b>				<b>Action Taken:</b>			
DR-2 exceeded 10% over background, taken in the plume.				Re-test DR-2R1 was taken.			
DR-4 exceeded 10% over background, taken in the plume.				Re-test DR-4R1 was taken.			
DR-3 exceeded 10% over background, taken out of plume on port side.				Re-test DR-3R1 was taken.			
Dredge went down for repair at 6:00. Resumed dredging at 13:08.				The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.			
Testing began after dredging resumed.							
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

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**Columbia River Channel Improvement - RM 98+00-102+00.**

Date: 11/16/2005

Disposal Load Number 1291 Tidal Stage Ebb Dredge State: Split Hull Weather: Clear Wind: 5-10 kts Seas: 0-1' Disposal location Columbia River RM 17.5 & 18.8	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DSP-1	20.4	14:36:54	7622104.51	736502.75	2.7	
	DSP-2	17.6	14:48:24	7623097.11	734657.14	17.0	10.4
	DSP-2R1	17.1	14:48:29	7623097.11	734657.14	9.9	10.1
	DSP-4	20.8	14:50:28	7622964.04	735232.34	2.3	
	DSP-3	19.1	14:52:26	7623020.95	734069.57	20.2	
	DSP-3R1	19.0	14:52:30	7623020.78	734063.49	19.4	

Remarks:	Action Taken:
DSP-2 exceeded 10% over background, taken in the plume.	Re-test DSP-2R1 was taken.
DSP-3 exceeded 10% over background, taken out of plume on port side.	Re-test DSP-3R1 was taken.
	The disposal ended and the dredge moved away from the area.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel	OR WA WA	OR, WA Not Required Not Required
DSP-2	100' Down Current		
DSP-3	150' Radially from point of dredge (Port or Starboard)		
DSP-4	900' Down Current from point of dredging		
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

Project Name/Location:

Contract Number: W9127N-05-C-0012

**Columbia River Channel Improvement - RM 98+00-102+00.**

Date: 11/16/2005

Dredging Load Number 1292 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Clear Wind: 5-10 kts Seas: 0-1' Disposal location Columbia River RM 17.5 & 18.8	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	21.1	15:35:10	7622455.79	735501.93	2.3	
	DR-3	20.3	15:40:01	7622459.04	735921.32	9.0	
	DR-3R1	20.7	15:40:04	7622459.04	735921.32	8.7	
	DR-2	19.1	15:42:16	7622093.75	735968.06	14.9	9.8
	DR-2R1	19.9	15:42:20	7622093.75	735968.06	14.7	10.1
	DR-4	20.1	15:43:55	7621967.02	736616.04	9.3	
	DR-4R1	19.6	15:43:59	7621967.02	736616.04	11.2	

Remarks:	Action Taken:
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
DR-4 exceeded 10% over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 10% over background, taken out of plume, on port side.	Re-test DR-3R1 was taken.
	The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel	OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current		
DR-3	300' Radially from point of dredge (Port or Starboard)		
DR-4	900' Down Current from point of dredging		
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		