

Project Name/Location:

Contract Number: W9127N-05-C-0012

## Columbia River Channel Improvement - RM 14+45 to 15+27

Date: 09/10/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<b>Load Number</b>	DR-1	20.2	12:21:40	7361611.06	940648.68	2.5	
860	DR-2	18.7	12:23:49	7361291.66	940175.13	41.4	7.2
<b>Tidal Stage</b>	DR-2R1	18.8	12:23:52	7361287.44	940175.31	40.8	7.2
Flood	DR-4	21.6	12:25:47	7361120.72	940127.41	14.5	
<b>Dredge State:</b>	DR-4R1	21.5	12:25:54	7361116.51	940127.59	14.3	
Overflow through skimmers only	DR-3	20.0	12:28:05	7362512.07	940678.58	1.8	
<b>Weather:</b>							
Overcast							
<b>Wind:</b>							
5-10 kts							
<b>Seas:</b>							
1'-2'							
<b>Disposal location</b>							
Columbia River DWS							

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 taken out of the plume, on starboard side.	
	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		
DR-2	100' Down Current	OR	OR, WA
DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

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<b>Load Number</b> 861	DR-1	20.4	17:21:43	7362412.65	940932.08	1.5	
<b>Tidal Stage</b> Flood	DR-2	20.6	17:23:29	7362903.04	940735.52	25.4	8.1
<b>Dredge State:</b> Overflow through skimmers only	DR-2R1	20.0	17:23:33	7362907.01	940729.28	31.7	8.0
<b>Weather:</b> Overcast	DR-4	21.5	17:24:46	7363116.18	940988.36	17.0	
<b>Wind:</b> 5-10 kts	DR-4R1	21.3	17:24:50	7363120.65	940994.27	23.5	
<b>Seas:</b> 1'-2'	DR-3	18.2	17:26:49	7362313.39	940777.99	1.4	
<b>Disposal location</b> Columbia River DWS							

Remarks:	Action Taken:
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
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