

Project Name/Location:

Contract Number: W9127N-05-C-0012

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

Date: 09/05/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	19.0	10:41:38	7362475.84	940619.23	3.0	
839	DR-2	20.2	10:44:49	7363117.62	940714.55	25.2	8.8
Tidal Stage	DR-2R1	20.0	10:44:53	7363126.30	940720.28	21.7	9.2
Flood	DR-4	19.0	10:46:44	7363643.30	940863.32	29.6	
Dredge State:	DR-4R1	19.6	10:46:49	7363643.30	940863.32	21.6	
Overflow through	DR-3	19.3	10:49:08	7362331.05	941002.35	48.7	
skimmers only	DR-3R1	18.0	10:49:13	7362331.05	941002.35	34.1	
Weather:							
Partly Cloudy							
Wind:							
0-5 kts							
Seas:							
0'-1'							
Disposal location							
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 exceeded 10% over background, taken out of the plume, on starboard 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		
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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Load Number 839 #2	DR-1	20.2	11:39:29	7362622.19	940582.80	3.0	
Tidal Stage Flood	DR-2	19.7	11:41:48	7362228.45	940355.63	5.2	9.0
Dredge State: Overflow through skimmers only	DR-2R1	20.3	11:41:59	7362232.42	940349.39	6.9	8.9
Weather: Partly Cloudy	DR-4	19.9	11:45:44	7362052.74	940089.10	3.8	
Wind: 0-5 kts	DR-4R1	19.9	11:45:49	7362056.96	940088.92	4.0	
Seas: 0'-1'	DR-3	20.1	11:48:13	7363172.13	940395.97	3.1	
Disposal location 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 port side.	
A second test was taken on this load because dredging lasted for over 2 hours.	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.

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Load Number	DR-1	20.2	16:32:23	7363415.54	940665.82	1.6	
840	DR-2	19.4	16:34:46	7362760.90	940771.78	25.5	9.4
Tidal Stage	DR-2R1	19.4	16:34:48	7362756.69	940771.95	25.1	9.5
Ebb	DR-4	20.1	16:36:29	7362198.95	940460.26	22.2	
Dredge State:	DR-4R1	19.8	16:36:32	7362198.95	940460.26	19.1	
Overflow through side discharge	DR-3	20.7	16:38:14	7363306.09	940366.14	3.7	
	DR-3R1	21.2	16:38:17	7363310.30	940365.97	3.6	
Weather:							
Clear							
Wind:							
10-15 kts							
Seas:							
1'-2'							
Disposal location							
Columbia River DWS							

Remarks:	Action Taken:
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DR-3 exceeded 10% over background, taken out of the plume, on starboard side.	Re-test DR-3R1 was taken.
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Load Number	DR-1	20.2	17:50:06	7363416.54	940690.12	2.2	
840 #2	DR-3	21.1	17:51:24	7363113.34	940404.47	29.4	
Tidal Stage	DR-3R1	20.9	17:51:28	7363104.66	940398.74	21.4	
Ebb	DR-2	19.8	17:52:52	7362667.61	940660.02	18.6	9.4
Dredge State:	DR-2R1	19.3	17:52:56	7362663.39	940660.19	18.0	9.4
Overflow through	DR-4	20.8	17:54:37	7361999.00	940425.90	20.1	
skimmers only	DR-4R1	18.7	17:54:44	7361981.63	940414.44	13.7	
Weather:							
Clear							
Wind:							
5-10 kts							
Seas:							
1'-2'							
Disposal location							
Columbia River DWS							

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