

Project Name/Location: Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel
Date: 07/01/2005
Contract Number: W9127N-05-C-0012
 John Cannon (COE) present during sampling.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number Load 427	DR-1	21.8	9:11:28	7338181.60	937841.29	3.5	
Tidal Stage Ebb	DR-2	20.7	9:13:14	7338710.10	937849.38	31.4	9.0
Dredge State:	DR-2R1	20.9	9:13:21	7338726.97	937848.67	35.3	8.9
No Overflow	DR-4	20.9	9:14:42	7339091.10	937766.38	19.6	
Weather: Overcast	DR-4R1	21.0	9:14:48	7339099.28	937759.95	17.1	
Wind: 5-10 kts	DR-3	20.5	9:16:44	7338039.59	937780.37	13.8	
Seas: 1' - 2'	DR-3R1	20.1	9:16:50	7338039.08	937768.22	9.4	
Disposal location Columbia River DWS							

Remarks:	Action Taken:
DR-2 out of compliance	Re-test DR-2R1 was taken
DR-3 out of compliance	Re-test DR-3R1 was taken
DR-4 out of compliance	Re-test DR-4R1 was taken
DR-2, DR-3 and DR-4 were taken in the plume.	Dredging ceased after final sample.

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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Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number Load 428	DR-1	21.8	12:57:25	7336065.74	939062.39	2.2	
Tidal Stage Ebb	DR-2	19.1	12:58:57	7335791.46	939469.46	44.5	9.2
Dredge State: Overflow through skimmers only	DR-2R1	19.8	12:59:05	7335787.50	939475.71	44.1	9.2
Weather: Overcast	DR-4	20.5	13:00:31	7335420.55	939789.37	15.9	
Wind: 5-10 kts	DR-4R1	20.4	13:00:38	7335408.15	939795.98	15.5	
Seas: 1' - 2'	DR-3	20.8	13:02:38	7336689.32	939121.16	2.5	
Disposal location Columbia River DWS							

Remarks:	Action Taken:
DR-4 out of compliance.	Re-test DR-4R1 was taken.
DR-2 out of compliance.	Re-test DR-2R1 was taken.
DR-2 and DR-4 taken in plume.	Dredge moved away from area where the non-compliance occurred
DR-3 was not taken in plume.	while continuing dredging.

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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 Dylan Davis (COE) present during sampling.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number Load 429	DR-1	18.5	17:38:22	7339951.45	938429.71	3.0	
Tidal Stage Flood	DR-2	17.6	17:43:23	7340104.68	938155.57	13.6	9.0
Dredge State: Overflow through skimmers only	DR-2R1	17.7	17:43:29	7340108.64	938149.32	12.3	8.9
Weather: Overcast	DR-4	18.5	17:46:15	7340358.50	938163.12	13.4	
Wind: 10-15 kts	DR-4R1	19.0	17:46:23	7340358.50	938163.12	9.0	
Seas: 1' - 2'	DR-3	18.9	18:00:53	7337851.88	938737.37	13.8	
Disposal location Columbia River DWS	DR-3R1	19.3	18:01:03	7337847.66	938737.55	7.9	

Remarks:	Action Taken:
DR-2 out of compliance	Re-test DR-2R1 was taken
DR-3 out of compliance	Re-test DR-3R1 was taken
DR-4 out of compliance	Re-test DR-4R1 was taken
DR-2 and DR-4 sampled in a visible plume.	Dredge moved away from area where the non-compliance occurred
DR-3 had no visible plume.	while continuing dredging.

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		