

Project Name/Location:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 11+10 to 12+40, Flavel

Date: 08/09/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.4	7:38:10	7343872.88	938039.63	2.6	
636	DR-2	19.2	7:39:25	7343284.16	938307.70	38.6	9.4
Tidal Stage	DR-2R1	20.1	7:39:29	7343284.16	938307.70	30.4	9.0
Ebb	DR-4	20.2	7:40:31	7342627.87	938274.44	23.1	
Dredge State:	DR-4R1	20.1	7:40:35	7342615.22	938274.97	23.6	
No overflow	DR-3	20.9	7:42:37	7344101.32	938650.58	32.4	
	DR-3R1	20.6	7:42:42	7344084.71	938657.36	21.6	
Weather:							
Overcast							
Wind:							
5-10 kts							
Seas:							
1'-2'							
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 5 NTU over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 5 NTU over background, taken out of the plume, on port side.	Re-test DR-3R1 was taken.
	The dredge moved away from the area 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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Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number 637	DR-1	19.4	11:36:57	7344082.35	938097.76	4.1	
Tidal Stage Ebb	DR-2	20.1	11:38:26	7343393.20	938187.53	27.0	8.7
Dredge State: No overflow	DR-2R1	20.3	11:38:29	7343384.76	938187.88	27.0	8.7
Weather: Overcast	DR-4	19.5	11:39:48	7342901.39	938147.35	24.5	
Wind: 5-10 kts	DR-4R1	19.5	11:39:52	7342901.39	938147.35	20.8	
Seas: 1'-2'	DR-3	18.6	11:42:55	7344242.68	938595.98	5.0	
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 5 NTU over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 taken out of the plume, on port side.	
	The dredge moved away from the area 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		
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John Cannon (USACE) present during testing

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number 638	DR-1	19.4	15:52:42	7347840.37	938244.58	1.6	
Tidal Stage Flood	DR-2	18.7	15:55:01	7347171.58	938619.30	25.1	9.6
Dredge State: No overflow	DR-2R1	18.8	15:55:05	7347171.58	938619.30	24.3	9.5
Weather: Overcast	DR-4	19.2	15:56:56	7347119.40	938785.74	16.2	
Wind: 0-5 kts	DR-4R1	19.5	15:57:14	7347119.40	938785.74	21.6	
Seas: 1'-2'	DR-3	20.2	15:58:44	7348124.32	938366.56	25.5	
Disposal location Columbia River DWS	DR-3R1	20.2	15:58:49	7348124.32	938366.56	18.2	

Remarks:	Action Taken:
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
DR-4 exceeded 5 NTU over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 5 NTU over background, taken out of the plume, on port side.	Re-test DR-3R1 was taken.
	The dredge moved away from the area while continuing dredging.

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Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	19.2	19:59:16	7342926.34	937836.04	3.5	
639	DR-2	19.9	20:01:32	7342139.52	938215.89	42.3	10.1
Tidal Stage	DR-2R1	19.4	20:01:38	7342139.52	938215.89	42.1	9.7
Ebb	DR-4	19.3	20:02:33	7341763.25	938310.81	2.8	
Dredge State:	DR-3	17.5	20:05:32	7343402.41	938004.63	2.3	
No overflow							
Weather:							
Overcast							
Wind:							
0-5 kts							
Seas:							
1'-2'							
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 taken out of the plume.	
DR-3 taken out of the plume, on starboard side.	
	The dredge moved away from the area 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		
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