

Project Name/Location:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 10+00 to 11+10, Flavel

Date: 07/13/2005

John Cannon contacted at 07:00.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.3	5:46:31	7339057.43	938370.09	2.3	
497	DR-2	20.1	5:48:12	7339417.05	938081.15	16.1	6.8
Tidal Stage	DR-2R1	21.0	5:48:19	7339425.49	938080.79	15.4	6.9
Ebb	DR-4	19.9	5:49:54	7340025.85	938590.84	7.3	
Dredge State:	DR-3	19.9	5:52:22	7338802.72	938441.68	10.8	
Overflow through skimmers and box	DR-3R1	19.7	5:52:26	7338802.72	938441.68	8.4	
Weather:							
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 taken out of the plume.	
DR-3 exceeded 5 NTU 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.

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		

Project Name/Location:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 10+00 to 11+10, Flavel

Date: 07/13/2005

John Cannon contacted at 10:30.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.3	10:10:21	7338060.35	938071.51	1.6	
498	DR-2	19.6	10:11:40	7337444.38	938493.00	17.8	8.1
Tidal Stage	DR-2R1	19.4	10:11:43	7337452.30	938480.50	17.4	8.0
Ebb	DR-4	20.2	10:12:46	7336888.32	938632.12	13.9	
Dredge State:	DR-4R1	19.7	10:12:50	7336875.93	938638.72	12.0	
Overflow through	DR-3	19.5	10:14:30	7337824.52	937990.22	21.9	
skimmers and box	DR-3R1	19.6	10:14:34	7337816.09	937990.58	16.9	
Weather:							
Clear							
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 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		

Project Name/Location:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 10+00 to 11+10, Flavel

Date: 07/13/2005

John Cannon contacted at 15:20.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.1	14:28:59	7338297.39	937781.64	2.2	
499	DR-2	20.2	14:30:41	7338122.33	938038.48	12.9	8.0
Tidal Stage	DR-2R1	19.6	14:30:44	7338122.07	938032.40	10.3	8.0
Flood	DR-4	19.6	14:34:30	7337718.86	938189.37	2.5	
Dredge State:	DR-3	17.5	14:36:52	7339188.99	937683.16	7.8	
Overflow through skimmers only	DR-3R1	20.5	14:36:57	7339197.17	937676.73	6.5	
Weather:							
Clear							
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 taken out of the plume.	
DR-3 exceeded 5 NTU 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.

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		

Project Name/Location:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 10+00 to 11+10, Flavel

Date: 07/13/2005

John Cannon on dredge during testing, given results at 19:20.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	19.1	18:52:08	7340298.80	937849.28	1.2	
500	DR-2	19.7	18:54:44	7340611.43	938049.04	16.2	7.7
Tidal Stage	DR-2R1	21.0	18:54:48	7340619.61	938042.61	14.5	7.6
Flood	DR-4	21.9	18:56:24	7341222.49	937810.37	20.3	
Dredge State:	DR-4R1	21.7	18:56:27	7341226.71	937810.19	19.6	
Overflow through	DR-3	21.2	18:59:57	7340110.32	938489.94	10.8	
skimmers only	DR-3R1	21.4	19:00:00	7340110.07	938483.86	8.7	
Weather:							
Clear							
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 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 starboard 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		
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Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		