

Project Name/Location:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 10+00 to 12+40, Flavel

Date: 07/19/2005

John Cannon contacted at 11:20.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.5	9:25:37	7339518.53	938082.95	3.9	
530	DR-2	20.2	9:27:25	7339318.35	937744.62	19.4	7.6
Tidal Stage	DR-2R1	19.9	9:27:29	7339318.09	937738.55	18.1	7.9
Flood	DR-4	20.9	9:30:55	7339099.28	937759.95	18.4	
Dredge State:	DR-4R1	21.4	9:30:59	7339103.50	937759.77	14.1	
Overflow through	DR-3	19.3	9:32:57	7340920.98	937573.63	15.5	
skimmers only	DR-3R1	18.6	9:33:01	7340933.63	937573.10	12.2	
Weather:							
Overcast							
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 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 12+40, Flavel

Date: 07/19/2005

John Cannon (USACE) Present during testing.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	18.8	13:43:10	7338715.43	937575.39	2.8	
531	DR-2	18.6	13:45:22	7339064.40	937834.43	18.1	7.0
Tidal Stage	DR-2R1	19.5	13:45:30	7339064.65	937840.50	16.8	6.8
Ebb	DR-4	20.6	13:47:57	7338864.48	937702.94	15.5	
Dredge State:	DR-4R1	20.4	13:48:02	7338864.48	937702.94	15.0	
Overflow through skimmers only	DR-3	17.0	13:50:42	7340517.08	937414.22	2.8	
Weather:							
Overcast							
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 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		
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 12+40, Flavel

Date: 07/19/2005

John Cannon contacted at 19:10.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.1	18:20:23	7338630.59	937767.57	3.7	
532	DR-2	20.9	18:22:37	7338744.76	937969.60	39.3	9.2
Tidal Stage	DR-2R1	21.4	18:22:41	7338740.54	937969.78	29.6	9.3
Ebb	DR-3	19.7	18:24:36	7339243.15	937364.52	21.5	
Dredge State:	DR-3R1	19.5	18:24:40	7339247.37	937364.34	15.4	
Overflow through	DR-4	22.0	18:26:56	7338931.07	938001.58	28.2	
skimmers only	DR-4R1	21.1	18:27:02	7338925.24	938009.58	24.2	
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-3 exceeded 5 NTU over background, taken out of the plume, on starboard side.	Re-test DR-3R1 was taken.
DR-4 exceeded 5 NTU over background, taken in the plume.	Re-test DR-4R1 was taken.
DR3 and DR4 tested out of order. Permitted by John Cannon.	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		