

Project Name/Location:

Contract Number: W9127N-05-C-0012

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

Date: 07/14/2005

John Cannon contacted at 8:30.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<b>Load Number</b>	DR-1	20.5	7:44:56	7337911.55	937950.04	1.4	
503	DR-2	21.9	7:48:02	7337333.59	938570.69	15.9	7.5
<b>Tidal Stage</b>	DR-2R1	20.5	7:48:06	7337333.59	938570.69	14.6	7.7
Ebb	DR-4	21.3	7:50:10	7337003.38	938755.01	14.8	
<b>Dredge State:</b>	DR-4R1	21.3	7:50:13	7337003.38	938755.01	14.4	
Overflow through	DR-3	21.1	7:52:31	7338240.38	938532.36	14.6	
skimmers only	DR-3R1	21.3	7:52:33	7338240.38	938532.36	14.0	
<b>Weather:</b>							
Clear							
<b>Wind:</b>							
0-5 kts							
<b>Seas:</b>							
0-1'							
<b>Disposal location</b>							
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: 07/14/2005

John Cannon contacted at 13:14.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<b>Load Number</b>	DR-1	21.0	12:22:41	7338742.19	937908.87	3.4	
504	DR-2	19.4	12:24:43	7338142.42	938214.06	29.8	8.1
<b>Tidal Stage</b>	DR-2R1	17.8	12:24:48	7338134.24	938220.49	29.5	8.2
Ebb	DR-4	22.1	12:25:52	7339046.59	937512.74	13.4	
<b>Dredge State:</b>	DR-4R1	22.1	12:25:55	7339046.59	937512.74	13.1	
Overflow through	DR-3	20.5	12:27:52	7337655.12	938380.66	20.4	
skimmers only	DR-3R1	21.0	12:27:55	7337646.68	938381.02	16.4	
<b>Weather:</b>							
Clear							
<b>Wind:</b>							
0-5 kts							
<b>Seas:</b>							
1'-2'							
<b>Disposal location</b>							
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 11+10, Flavel**

Date: 07/14/2005

John Cannon contacted at 17:00.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<b>Load Number</b>	DR-1	20.9	16:13:16	7340459.85	938061.51	2.0	
505	DR-2	20.3	16:14:51	7340665.37	938125.85	15.5	7.0
<b>Tidal Stage</b>	DR-2R1	15.3	16:14:57	7340665.37	938125.85	12.6	7.1
Flood	DR-4	19.2	16:17:54	7341293.55	938093.31	4.4	
<b>Dredge State:</b>	DR-3	18.8	16:22:06	7339475.49	938364.62	1.8	
Overflow through skimmers only							
<b>Weather:</b>							
Clear							
<b>Wind:</b>							
5-10 kts							
<b>Seas:</b>							
1'-2'							
<b>Disposal location</b>							
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		
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: 07/14/2005

John Cannon contacted at 21:20.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<b>Load Number</b>	DR-1	18.7	20:35:27	7337517.52	938623.75	1.2	
506	DR-2	18.6	20:37:03	7337500.79	938727.88	3.9	7.8
<b>Tidal Stage</b>	DR-2R1	19.5	20:37:08	7337505.01	938727.70	3.3	7.7
Ebb	DR-4	18.3	20:39:25	7336751.09	938783.94	11.3	
<b>Dredge State:</b>	DR-4R1	18.0	20:39:30	7336750.58	938771.79	7.8	
Overflow through skimmers only	DR-3	18.5	20:41:49	7337965.54	938227.62	3.2	
<b>Weather:</b>							
Clear							
<b>Wind:</b>							
25-30 kts							
<b>Seas:</b>							
3'-5'							
<b>Disposal location</b>							
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 out of 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		