

<u>Project Name/Location:</u> Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel		Contract Number: W9127N-05-C-0012					
<b>Date: 07/05/2005</b>		John Cannon contacted at 6:30.					
<b>Dredging</b> <b>Load Number</b> Load 449 <b>Tidal Stage</b> Ebb <b>Dredge State:</b> Overflow through skimmers only <b>Weather:</b> Overcast <b>Wind:</b> 0-5 kts <b>Seas:</b> 0'-1' <b>Disposal location</b> Columbia River DWS	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DR-1	21.3	5:37:08	7336346.72	939810.97	4.5	
	DR-2	18.9	5:40:50	7336643.74	939342.10	13.3	8.8
	DR-2R1	20.5	5:40:56	7336619.21	939361.40	9.6	8.5
	DR-4	19.4	5:45:00	7334718.77	940476.19	19.0	
	DR-4R1	19.8	5:45:05	7334690.28	940501.73	3.7	
	DR-3	18.3	5:51:09	7337194.07	939367.49	4.7	
<b>Remarks:</b>				<b>Action Taken:</b>			
Test DR-2 out of compliance, taken in the plume.				Re-test DR-2R1 was taken.			
Test DR-4 out of compliance, taken in the plume.				Re-test DR-4R1 was taken.			
Test DR-3 not in the plume, taken on port side.				Dredge moved away from area where the non-compliance occurred			
				while continuing dredging.			
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

**Project Name/Location:** Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel  
**Date:** 07/05/2005  
**Contract Number:** W9127N-05-C-0012  
 John Cannon contacted at 10:35.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<b>Load Number</b> Load 450	DR-1	19.7	10:03:16	7339584.91	938554.68	5.4	
<b>Tidal Stage</b> Flood	DR-2	21.1	10:05:40	7340089.48	938296.13	19.3	9.1
<b>Dredge State:</b> Overflow through skimmers only	DR-2R1	21.3	10:05:44	7340089.48	938296.13	16.7	9.0
<b>Weather:</b> Overcast	DR-4	20.7	10:07:22	7340985.29	938398.31	18.4	
<b>Wind:</b> 1-2 kts	DR-4R1	19.7	10:07:26	7340989.76	938404.21	15.3	
<b>Seas:</b> 0'-1'	DR-3	19.4	10:09:56	7339388.50	938806.32	12.3	
<b>Disposal location</b> Columbia River DWS	DR-3R1	18.9	10:10:00	7339380.32	938812.75	9.8	

Remarks:	Action Taken:
Test DR-2 not in compliance, taken in the plume.	Re-test DR-2R1 was taken.
Test DR-3 not in compliance, taken on stbd side; not in plume.	Re-test DR-3R1 was taken.
Test DR-4 not in compliance, taken in the plume.	Re-test DR-4R1 was taken.
	Dredge moved away from area where the non-compliance occurred 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:** Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel  
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**Contract Number:** W9127N-05-C-0012  
 John Cannon contacted at 2:25.

<b>Dredging</b>	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
<b>Load Number</b> Load 451	DR-1	20.6	14:10:50	7338818.56	938416.68	2.7	
<b>Tidal Stage</b> Flood	DR-2	21.2	14:12:42	7339039.25	938139.68	39.2	8.4
<b>Dredge State:</b> Overflow through skimmers only	DR-2R1	21.3	14:12:48	7339051.65	938133.07	39.1	8.4
<b>Weather:</b> Overcast	DR-4	20.1	14:14:30	7339342.79	938023.44	21.8	
<b>Wind:</b> 5-10 kts	DR-4R1	20.0	14:14:41	7339368.35	938028.45	23.2	
<b>Seas:</b> 0'-1'	DR-3	18.4	14:18:44	7337948.55	939025.31	17.1	
<b>Disposal location</b> Columbia River DWS	DR-3R1	18.6	14:18:49	7337953.03	939031.20	12.4	

<b>Remarks:</b>	<b>Action Taken:</b>
Test DR-2 not in compliance, taken in the plume.	Re-test DR-2R1 was taken.
Test DR-3 not in compliance, taken on stbd side; not in plume.	Re-test DR-3R1 was taken.
Test DR-4 not in compliance, taken in the plume.	Re-test DR-4R1 was taken.
	Dredge moved away from area where the non-compliance occurred while continuing dredging.

<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>	<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
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DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
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<b>Date:</b> 07/05/2005	John Cannon contacted at 6:45.

	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<b>Dredging</b>	DR-1	20.6	18:16:12	7337501.68	939348.39	3.2	
<b>Load Number</b> Load 452	DR-2	21.8	18:18:15	7336972.14	939115.27	14.1	8.9
<b>Tidal Stage</b> Ebb	DR-2R1	21.9	18:18:21	7336959.49	939115.81	11.0	8.6
<b>Dredge State:</b> Overflow through skimmers only	DR-4	20.3	18:20:33	7336506.98	939305.31	13.1	
<b>Weather:</b> Overcast	DR-4R1	20.3	18:20:38	7336494.33	939305.84	9.5	
<b>Wind:</b> 5-10 kts	DR-3	20.6	18:25:10	7337771.82	938442.65	2.5	
<b>Seas:</b> 0'-1'							
<b>Disposal location</b> Columbia River DWS							

Remarks:	Action Taken:
Test DR-2 not in compliance, taken in the plume.	Re-test DR-2R1 was taken.
Test DR-4 not in compliance, taken in the plume.	Re-test DR-4R1 was taken.
Test DR-3 taken on stbd side; not in plume.	Dredge moved away from area where the non-compliance occurred 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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DR-4	900' Down Current from point of dredging	WA	Not Required
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