

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

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number Load 462	DR-1	20.2	6:59:50	7337995.24	939230.18	6.0	
Tidal Stage Strong Ebb	DR-2	20.5	7:04:06	7337690.26	939011.89	6.0	8.2
Dredge State: Overflow through skimmers & box.	DR-3	21.1	7:07:26	7338458.50	939095.02	22.6	
Weather: Clear	DR-3R1	21.5	7:07:30	7338437.67	939101.98	22.5	
Wind: 0-5 kts	DR-4	21.8	7:21:02	7338301.73	938584.52	13.6	
Seas: 0'-1'	DR-4R1	22.4	7:21:06	7338272.72	938597.91	13.8	
Disposal location In water 09							

Remarks:	Action Taken:
Test DR-3 not in compliance, not taken in the plume.	Retest DR-3R1 was taken.
Test DR-4 not in compliance, not taken in the plume.	Retest DR-4R1 was taken.
Samples taken out of order due to ship traffic.	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		

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Date: 07/07/2005	John Cannon present during testing.

	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Disposal Load Number Load 462	DSP-1	20.6	8:02:04	7334849.22	940762.68	10.5	
Tidal Stage Ebb	DSP-2	20.9	8:03:36	7333116.57	941347.30	66.7	8.6
Dredge State:	DSP-2R1	21.1	8:03:42	7333091.79	941360.52	44.7	8.7
Split Hull	DSP-4	21.2	8:05:08	7332952.28	941457.71	18.4	
Weather: Overcast	DSP-4R1	21.3	8:05:12	7332944.11	941464.14	16.1	
Wind: 0-5 kts	DSP-3	18.3	8:06:31	7331955.66	942558.70	20.9	
Seas: 0-1'	DSP-3R1	19.6	8:06:36	7331922.70	942578.36	16.5	
Disposal location In water 09							

Remarks:	Action Taken:
Test DSP-2 not in compliance, taken in the plume.	Retest DSP-2R1 was taken.
Test DSP-3 not in compliance, taken in the plume.	Retest DSP-3R1 was taken.
Test DSP-4 not in compliance, taken in the plume.	Retest DSP-4R1 was taken.
	Disposal was complete by the time testing was finished.
	Dredge returned to dredging area.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
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		

Date: 07/07/2005

John Cannon present while testing.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number Load 463	DR-1	20.2	8:59:26	7340911.16	938444.02	8.1	
Tidal Stage Ebb	DR-2	20.3	9:01:35	7339688.54	938306.96	30.0	8.7
Dredge State:	DR-2R1	20.0	9:01:39	7339662.98	938301.95	29.6	8.8
No Overflow	DR-4	18.9	9:03:23	7338654.22	938527.04	20.4	
Weather: Overcast	DR-4R1	17.8	9:03:28	7338624.95	938534.36	20.1	
Wind: 5-10 kts	DR-3	20.2	9:05:15	7339852.30	938683.33	7.4	
Seas: 1'-2'							
Disposal location In water 09							

Remarks:	Action Taken:
Test DR-2 not in compliance.	Retest DR-2R1 was taken.
Test DR-4 not in compliance.	Retest DR-4R1 was taken.
DR-1, DR-2 and DR-4 were taken in the 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	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		

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Contract Number: W9127N-05-C-0012
 John Cannon onboard during testing.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number Load 465	DR-1	20.1	14:02:57	7338803.40	938758.01	4.3	
Tidal Stage Flood	DR-2	19.1	14:04:32	7339038.76	938328.29	21.2	8.8
Dredge State: Overflow through skimmers only	DR-2R1	19.1	14:04:35	7339046.69	938315.79	18.8	8.8
Weather: Overcast	DR-4	20.5	14:06:12	7339427.79	938135.45	21.4	
Wind: 0-5 kts	DR-4R1	20.5	14:06:15	7339436.23	938135.09	19.5	
Seas: 0-1'	DR-3	18.4	14:08:41	7338154.96	938310.87	3.3	
Disposal location In water 09							

Remarks:	Action Taken:
Test DR-2 not in compliance, taken in the plume.	Retest DR-2R1 was taken.
Test DR-4 not in compliance, taken in the plume.	Retest DR-4R1 was taken.
Test DR-3 not in plume, taken on stbd side.	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	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		

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 John Cannon present during testing.

Disposal Load Number	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load 465	DSP-1	19.9	14:27:38	7335640.52	939895.64	4.4	
Tidal Stage	DSP-3	19.0	14:33:01	7334328.43	941034.21	8.4	
Flood	DSP-2	19.5	14:34:53	7333832.97	941006.58	5.7	8.7
Dredge State:	DSP-2R1	19.8	14:34:56	7333841.14	941000.15	6.1	8.8
	DSP-4	21.1	14:36:17	7333999.85	940956.91	6.0	

Dumping
Weather:
 Overcast
Wind:
 0-5 kts
Seas:
 0-1'
Disposal location
 In water 09

Remarks:	Action Taken:
Test DSP-2 not in compliance, taken in the plume.	Retest DSP-2R1 was taken.
Test DSP-3 and DSP-4 not in the plume.	Disposal was complete by the time testing was finished.
Test DSP-3 taken on stbd side.	Dredge returned to dredging area.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
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)		
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Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number Load 467	DR-1	18.8	16:00:43	7340454.00	938524.12	4.1	
Tidal Stage Flood	DR-2	24.9	16:02:39	7340735.04	938275.01	12.0	8.5
Dredge State: Overflow through skimmers and box	DR-2R1	24.8	16:02:43	7340743.21	938268.58	11.7	8.5
Weather: Partly Cloudy	DR-4	22.6	16:04:40	7341171.24	938299.22	3.3	
Wind: 5-10 kts	DR-3	21.3	16:07:11	7340064.32	938601.38	11.7	
Seas: 0-1'	DR-3R1	21.9	16:07:14	7340064.32	938601.38	9.7	
Disposal location Columbia River DWS							

Remarks:	Action Taken:
Test DR-2 not in compliance, taken in the plume.	Retest DR-2R1 was taken.
Test DR-3 not in compliance, not in plume, on port side.	Retest DR-3R1 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	OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current		
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Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

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Date: 07/07/2005
Contract Number: W9127N-05-C-0012
 John Cannon contacted at 20:40.

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number Load 468	DR-1	18.5	20:15:42	7337956.80	939420.40	2.8	
Tidal Stage Ebb	DR-2	17.8	20:17:21	7337489.98	938971.69	16.3	8.5
Dredge State: Overflow through skimmers and box	DR-2R1	16.9	20:17:25	7337485.76	938971.87	15.4	8.5
Weather: Clear	DR-4	20.7	20:19:24	7336913.51	939227.26	7.2	
Wind: 0-5 kts	DR-3	18.2	20:21:18	7337570.29	938572.85	2.9	
Seas: 0-1'							
Disposal location Columbia River DWS							

Remarks:	Action Taken:
Test DR-2 not in compliance, taken in the plume.	Retest DR-2R1 was taken.
Test DR-3, not in plume, on stbd side.	Dredge moved away from area where the non-compliance occurred
Test DR-4 not in plume.	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	OR WA WA	OR, WA Not Required Not Required
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