

Project Name/Location:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 16+10 to 17+30.

Date: 11/01/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<u>Load Number</u> 1104	DR-1	19.9	11:53:40	7367655.00	943315.06	3.3	
<u>Tidal Stage</u> Flood	DR-2	21.9	11:55:31	7367407.21	942935.83	8.6	11.0
<u>Dredge State:</u> Overflow through skimmers only	DR-2R1	19.1	11:55:37	7367415.40	942929.42	6.2	10.9
<u>Weather:</u> Overcast, Raining	DR-4	20.5	11:57:10	7366923.03	942560.19	3.3	
<u>Wind:</u> 5-10 kts	DR-3	20.4	11:58:49	7368189.54	942958.65	6.3	
<u>Seas:</u> 0-1'	DR-3R1	20.2	11:58:52	7368197.97	942958.31	6.3	
<u>Disposal location</u> 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 in the plume.	Re-test DR-3R1 was taken.
DR-3 exceeded 10% over background, taken out of plume, on starboard side.	
	The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.

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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Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DSP-1	20.2	14:35:16	7330247.75	944213.29	1.7	
1104	DSP-3	20.68	14:40:06	7331087.28	943593.44	8.1	
Tidal Stage	DSP-3R1	20.61	14:40:11	7331083.58	943605.77	6.1	
Ebb	DSP-2	20.2	14:40:53	7331108.47	943793.31	4.8	11.2
Dredge State:	DSP-2R1	20.0	14:40:56	7331104.51	943799.56	4.5	11.2
Split Hull	DSP-4	20.6	14:45:14	7330925.86	943770.67	14.9	
	DSP-4R1	20.9	14:45:20	7330917.69	943777.11	11.0	
Weather:							
Partly Cloudy							
Wind:							
15-20 kts							
Seas:							
2'-3'							
Disposal location							
Columbia River RM 9							

Remarks:	Action Taken:
DSP-2 exceeded 10% over background, taken in the plume.	Re-test DSP-2R1 was taken.
DSP-4 exceeded 10% over background, taken in the plume.	Re-test DSP-4R1 was taken.
DSP-3 exceeded 10% over background, taken out of the plume,	Re-test DSP-3R1 was taken.
on starboard side	The disposal ended and the dredge moved away from the area.
DSP-3 taken out of order to ensure completion of test.	

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel		
DSP-2	100' Down Current	OR	OR, WA
DSP-3	150' Radially from point of dredge (Port or Starboard)	WA	Not Required
DSP-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 19+00 to 21+20

Date: 11/01/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number 1105	DR-1	19.3	16:43:41	7381310.92	949338.22	7.0	
Tidal Stage Ebb	DR-3	19.8	16:44:42	7381137.84	949339.09	8.4	
Dredge State: Overflow through skimmers only	DR-3R1	19.9	16:44:45	7381129.16	949333.35	8.4	
Weather: Overcast	DR-2	20.6	16:45:58	7380975.04	949175.30	11.6	10.9
Wind: 15-20 kts	DR-2R1	20.5	16:46:01	7380975.04	949175.30	11.7	10.9
Seas: 3-4'	DR-4	20.2	16:47:11	7380438.65	948856.19	23.8	
Disposal location Columbia River RM 17.5 & 18.8	DR-4R1	20.4	16:47:14	7380429.97	948850.46	21.2	
	DR-1R1	20.1	16:49:50	7382318.25	949504.62	6.5	

Remarks:	Action Taken:
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
DR-4 exceeded 10% over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 10% over background, taken out of the plume, on port side	Re-test DR-3R1 was taken.
DR-3 taken out of order to ensure completion of test.	The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.
DR-1R1 taken due to irregularly high background	

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		