

Project Name/Location:

Contract Number: W9127N-05-C-0012

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

Date: 10/23/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number 1041	DR-1	20.3	10:08:20	7369883.56	943692.63	0.5	
Tidal Stage Ebb	DR-2	20.2	10:14:10	7369965.39	943835.30	17.1	10.1
Dredge State: Overflow through skimmers only	DR-2R1	20.2	10:14:15	7369956.71	943829.57	10.7	9.9
Weather: Overcast, Rain	DR-4	19.2	10:15:20	7369309.88	943503.07	10.7	
Wind: 5-10 kts	DR-4R1	19.0	10:15:23	7369296.98	943497.51	8.9	
Seas: 0-1'	DR-3	20.2	10:17:20	7370275.10	944388.45	0.8	
Disposal location Columbia River DWS	DR-3R1	20.3	10:17:23	7370266.42	944382.72	0.9	
	DR-1R1	20.4	10:28:30	7367843.97	944943.80	0.6	

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-3R1 was taken.
DR-3 exceeded 10% over background, taken out of the plume, on portside	Re-test DR-4R1 was taken.
Re-test DR-1R1 was taken after digging was completed due to an irregularly low background	Re-test DR-1R1 was taken.
	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 1042	DR-1	20.4	15:05:01	7370071.71	944475.81	0.8	
Tidal Stage Flood	DR-3	20.5	15:06:34	7370046.21	944160.51	14.3	
Dredge State: Overflow through skimmers only	DR-3R1	20.7	15:06:38	7370046.21	944160.51	13.8	
Weather: Partly Cloudy	DR-2	21.0	15:08:36	7369884.97	944349.58	15.8	10.4
Wind: 0-5 kts	DR-2R1	20.5	15:08:42	7369884.97	944349.58	13.1	10.3
Seas: 0-1'	DR-4	20.8	15:11:44	7369652.84	944146.11	17.0	
Disposal location Columbia River DWS	DR-4R1	19.6	15:11:54	7369656.81	944139.87	9.2	

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 plume, on starboard side.	Re-test DR-3R1 was taken.
Background test in accordance with morning 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.

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		