

Project Name/Location:

Contract Number: W9127N-05-C-0012

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

Date: 10/16/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number 1009	DR-1	18.8	11:19:17	7367313.70	943335.08	4.2	
Tidal Stage Flood	DR-3	18.3	11:20:53	7367847.47	943684.38	5.7	
Dredge State: Overflow through skimmers only	DR-3R1	18.2	11:20:58	7367855.90	943684.03	5.7	
Weather: Partly cloudy	DR-2	21.7	11:22:32	7368389.68	943412.83	34.5	8.6
Wind: 0-5 kts	DR-2R1	22.5	11:22:39	7368389.68	943412.83	33.2	8.4
Seas: 0-1'	DR-4	19.1	11:23:50	7368954.94	943602.70	6.2	
Disposal location Columbia River DWS	DR-4R1	19.1	11:23:53	7368967.83	943608.26	5.2	

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.	Re-test DR-3R1 was taken.
on port 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	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:

Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - RM 19+00 to 21+20

Date: 10/16/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number 1010	DR-1	20.4	16:51:41	7382211.45	949052.65	3.2	
Tidal Stage Ebb	DR-2	19.9	16:53:01	7381578.47	948956.39	19.3	9.2
Dredge State: Overflow through skimmers only	DR-2R1	20.1	16:53:05	7381556.90	948945.09	18.1	9.1
Weather: Rain, Heavy Fog	DR-4	20.8	16:54:22	7380911.16	948636.44	16.3	
Wind: 0-5 kts	DR-4R1	20.8	16:54:27	7380911.16	948636.44	16.3	
Seas: 0-1'	DR-3	19.5	16:56:22	7382224.71	949593.54	3.7	
Disposal location Columbia River RM 17.5 and 18.8	DR-3R1	19.4	16:56:26	7382212.06	949594.04	3.4	
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.				Re-test DR-3R1 was taken.			
on port 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					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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Disposal	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number 1010	DSP-1	20.7	17:46:39	7378368.87	947473.42	5.2	
Tidal Stage Ebb	DSP-2	19.1	17:49:24	7379738.81	947728.50	17.9	9.2
Dredge State: Split Hull	DSP-2R1	19.2	17:49:25	7379738.81	947728.50	16.3	9.2
Weather: Rain, Heavy Fog	DSP-4	19.3	17:51:41	7379551.61	947693.45	5.7	
Wind: 0-5 kts	DSP-4R1	18.8	17:51:46	7379543.18	947693.79	7.6	
Seas: 0-1'	DSP-3	20.3	17:54:25	7375710.48	946266.74	12.1	
Disposal location Columbia River RM 17.5 and 18.8	DSP-3R1	20.6	17:54:29	7375693.62	946267.42	10.1	

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 plume. on port side.	Re-test DSP-3R1 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
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		

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Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number 1011	DR-1	20.3	18:21:32	7368445.46	943848.56	6.1	
Tidal Stage Ebb	DR-2	21.2	18:22:57	7367961.57	943478.96	18.2	9.1
Dredge State: Overflow through skimmers only	DR-2R1	21.1	18:23:01	7367952.89	943473.24	15.8	9.2
Weather: Rain, Heavy Fog	DR-4	20.5	18:24:10	7367247.97	943173.51	13.4	
Wind: 0-5 kts	DR-4R1	20.4	18:24:12	7367235.07	943167.95	13.0	
Seas: 0-1'	DR-3	20.6	18:26:29	7368480.92	944096.54	6.9	
Disposal location Columbia River DWS	DR-3R1	20.7	18:26:32	7368468.02	944090.98	6.9	

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.	Re-test DR-3R1 was taken.
on port 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	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		