

Project Name/Location:

Contract Number: W9127N-05-C-0012

**Columbia River Channel Improvement - RM 95+00-104+20.**

Date: 11/24/2005

Disposal Load Number	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
1386	DSP-1	20.5	7:20:29	7622936.77	735020.32	3.3	
<u>Tidal Stage</u> Ebb	DSP-2	20.8	7:28:46	7623042.75	734999.11	11.7	13.0
<u>Dredge State:</u> Split Hull	DSP-2R1	20.7	7:28:48	7623042.75	734999.11	11.4	13.0
<u>Weather:</u> Overcast	DSP-3	20.0	7:30:04	7623049.74	734944.20	16.2	
<u>Wind:</u> 0-5 kts	DSP-3R1	20.0	7:30:07	7623049.74	734944.20	15.7	
<u>Seas:</u> 0-1'	DSP-4	20.1	7:31:50	7622608.62	735479.40	13.8	
<u>Disposal location</u> Columbia River RM 101	DSP-4R1	20.1	7:31:54	7622608.62	735479.40	11.8	

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	Re-test DSP-3R1 was taken.
on port side.	The disposal ended and the dredge moved away from the area.
YSI clock synchronized with dredge clock after test was taken. Test times adjusted 5min to reflect actual time 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		

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Date: 11/24/2005

<p><b>Dredging</b>  <u>Load Number</u>                      1387  <u>Tidal Stage</u>                      Ebb  <u>Dredge State:</u>                      Overflow through skimmers only    <u>Weather:</u>                      Overcast  <u>Wind:</u>                      0-5 kts  <u>Seas:</u>                      0-1'    <u>Disposal location</u>                      Columbia River RM 101</p>	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.6	8:06:59	7633112.95	727770.50	3.5	
	DR-2	19.5	8:08:43	7632608.92	728203.86	20.0	13.2
	DR-2R1	19.8	8:08:46	7632608.92	728203.86	17.8	13.1
	DR-4	20.4	8:10:02	7632097.36	728363.88	13.2	
	DR-4R1	20.4	8:10:05	7632093.10	728364.00	12.8	
	DR-3	20.8	8:13:03	7633170.43	727689.89	10.0	
	DR-3R1	20.9	8:13:08	7633170.43	727689.89	8.1	

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.
	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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<p><b>Dredging</b>  <u>Load Number</u>                      1388  <u>Tidal Stage</u>                      Ebb  <u>Dredge State:</u>                      Overflow through skimmers only    <u>Weather:</u>                      Overcast  <u>Wind:</u>                      0-5 kts  <u>Seas:</u>                      0-1'    <u>Disposal location</u>                      Columbia River RM 101</p>	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.8	9:54:14	7633324.50	727709.96	3.4	
	DR-2	20.2	9:55:29	7632846.08	727680.59	24.9	13.1
	DR-2R1	20.1	9:55:31	7632841.82	727680.70	25.2	13.1
	DR-4	20.3	9:56:41	7632217.55	727928.93	5.8	
	DR-4R1	20.2	9:56:52	7632217.55	727928.93	6.6	
	DR-3	18.5	9:59:59	7633984.30	727667.49	3.0	

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 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	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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**Columbia River Channel Improvement - RM 95+00-104+20.**

Date: 11/24/2005

<b>Dredging</b> <u>Load Number</u> 1389 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only  <u>Weather:</u> Overcast <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1'  <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.7	11:38:08	7633484.33	727474.55	2.8	
	DR-2	20.6	11:41:07	7633084.20	727655.79	15.7	13.1
	DR-2R1	20.5	11:41:10	7633080.11	727661.98	15.5	13.1
	DR-4	20.6	11:42:23	7632587.42	727888.33	15.5	
	DR-4R1	20.4	11:42:29	7632587.42	727888.33	11.7	
	DR-3	20.5	11:45:37	7633725.38	727091.00	17.9	
	DR-3R1	20.7	11:45:41	7633720.95	727085.04	14.0	

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.
	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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**Columbia River Channel Improvement - RM 95+00-104+20.**

Date: 11/24/2005

<b>Dredging</b> <u>Load Number</u> 1390 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only  <u>Weather:</u> Light Showers <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1'  <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.4	13:22:05	7634832.95	727358.44	3.3	
	DR-3	19.6	13:23:13	7634650.96	727564.05	19.0	
	DR-3R1	19.5	13:23:17	7634642.61	727570.36	14.8	
	DR-2	20.3	13:24:37	7634363.88	727359.17	28.3	13.2
	DR-2R1	20.1	13:24:43	7634363.88	727359.17	24.6	13.2
	DR-4	20.0	13:26:14	7633775.01	727655.01	4.8	
	DR-4R1	20.0	13:26:17	7633770.92	727661.20	4.2	

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		

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Date: 11/24/2005

<b>Dredging</b> <u>Load Number</u> 1391 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only  <u>Weather:</u> Light Showers <u>Wind:</u> 0-5 kts <u>Seas:</u> 0-1' <u>Disposal location</u> Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	19.6	15:34:50	7633705.58	727766.34	2.8	
	DR-3	20.1	15:37:19	7633158.17	728328.55	2.5	
	DR-2	19.7	15:38:47	7633016.63	728143.99	19.4	13.2
	DR-2R1	19.9	15:38:52	7633016.63	728143.99	14.8	13.2
	DR-4	20.4	15:40:49	7632226.12	728548.78	14.7	
	DR-4R1	20.4	15:40:52	7632221.86	728548.90	12.4	

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 taken out of plume on port side.	Re-test DR-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
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		