

COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

<b>DREDGE OREGON</b>		Contract Number: W9127N-06-C-ORSL						
<b>Project Name/Location:</b>		Columbia River Channel Improvement, Oregon Slough RM 0 to 1						
<b>1/30/2006</b>								
<b>Dredge</b>	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>	
<b>OREGON</b>	DRP-1 (21)	20.2	10:47:38	7628672.9	726262.7	6.0	<i>Not Required</i>	
	DRP-2 (22)	20.5	10:53:02	7628447.6	726653.0	6.0	12.0	
	<b>Tidal Stage</b>	DSPP-1 (11)	20.0	10:58:45	7625767.4	730508.4	6.0	<i>Not Required</i>
	<b>Ebb</b>	DSPP-2 (12)	20.3	11:03:43	7625612.8	730706.0	5.6	12.0
<b>Weather:</b> Overcast, Rain								
<b>Wind:</b> 5-10 kts								
<b>Seas:</b> 1-2 ft								
<b>Disposal location</b> In-water (Kelly Point)		All coordinates are Oregon State Plane North 3601; Datum: NAD 83 Sample point numbers in parenthesis correspond with YSI logged data.						
<b>Remarks:</b> Dredge was shut down prior to sunrise. Dredging began at 1042. No exceedances.				<b>Action Taken:</b> None required.				
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>			<b>Turbidity Compliance</b>	<b>DO Compliance</b>			
DRP-1	at least 100 ft up current of cutterhead			NA	<i>Not Required</i>			
DRP-2	100 ft down current of the cutterhead			Yes (OR)	Yes (OR)			
DSPP-1	at least 100 ft up current of end scow (background)			NA	<i>Not Required</i>			
DSPP-2	100 ft down current of the end scow			Yes (OR)	Yes (OR)			
Rx	Indicates a re-test where (x) is the re-test number for that particular point							

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<b>Dredge</b>	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>	
<b>OREGON</b>	DRP-1 (21)	20.1	12:28:37	7628604.9	726273.0	5.9	<i>Not Required</i>	
	DRP-1R <sub>1</sub> (21)	20.1	12:30:20	0.0	0.0	6.1	<i>Not Required</i>	
	<b>Tidal Stage</b>	DRP-2 (22)	20.1	12:35:30	7628366.0	726672.1	5.9	12.2
	<b>Ebb</b>	DSPP-1 (11)	20.3	12:42:42	0.0	0.0	6.3	<i>Not Required</i>
		DSPP-2 (12)	20.7	12:46:17	7625762.9	730770.1	5.8	12.2
<b>Weather:</b> Broken clouds								
<b>Wind:</b> 0-5 kts								
<b>Seas:</b> Light chop								
<b>Disposal location</b> In-water (Kelly Point)		All coordinates are Oregon State Plane North 3601; Datum: NAD 83 Sample point numbers in parenthesis correspond with YSI logged data.						
<b>Remarks:</b> No exceedances. DRP-1 was retaken due to mouse problem on the dredge. No data point was taken at initial sample time. (1) The YSI failed to log any GPS data from the receiver for DRP-1R <sub>1</sub> . Visual pipe landmarks were used to confirm background sample position was at least 100 feet upcurrent of cutterhead. (2) The YSI failed to log any GPS data the from receiver for DSPP-1. Visual pipe landmarks are used to confirm background sample position was at least 100 ft upcurrent from end scow.				<b>Action Taken:</b> (1)(2) Checked all physical connections between GPS receiver and YSI. Cycled GPS receiver. No problems noted.				
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>			<b>Turbidity Compliance</b>	<b>DO Compliance</b>			
DRP-1	at least 100 ft up current of cutterhead			NA	<i>Not Required</i>			
DRP-2	100 ft down current of the cutterhead			Yes (OR)	Yes (OR)			
DSPP-1	at least 100 ft up current of end scow (background)			NA	<i>Not Required</i>			
DSPP-2	100 ft down current of the end scow			Yes (OR)	Yes (OR)			
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<b>Dredge</b>	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
OREGON	DRP-1 (21)	20.2	14:30:57	7628588.0	726300.1	6.6	<i>Not Required</i>
	DRP-2 (22)	20.0	14:33:18	7628369.4	726646.8	6.4	12.2
<b>Tidal Stage</b> Ebb	DSPP-1 (11)	20.0	14:38:31	7625829.5	730562.1	6.1	<i>Not Required</i>
	DSPP-2 (12)	20.2	14:41:02	7625680.5	730751.6	6.4	12.1
<b>Weather:</b> Broken clouds							
<b>Wind:</b> 0-5 kts							
<b>Seas:</b> Calm							
<b>Disposal location</b> In-water (Kelly Point)		All coordinates are Oregon State Plane North 3601; Datum: NAD 83 Sample point numbers in parenthesis correspond with YSI logged data.					
<b>Remarks:</b> No exceedances. Dredge shut down at 1501 to prepare for a scheduled ship departure.				<b>Action Taken:</b> None required.			
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>			<b>Turbidity Compliance</b>	<b>DO Compliance</b>		
DRP-1	at least 100 ft up current of cutterhead			NA	<i>Not Required</i>		
DRP-2	100 ft down current of the cutterhead			Yes (OR)	Yes (OR)		
DSPP-1	at least 100 ft up current of end scow (background)			NA	<i>Not Required</i>		
DSPP-2	100 ft down current of the end scow			Yes (OR)	Yes (OR)		
Rx	Indicates a re-test where (x) is the re-test number for that particular point						