

Project Name/Location:

Contract Number: W9127N-05-C-0012

**Columbia River Channel Improvement - RM 98+00-102+00.**

Date: 11/21/2005

Dredging Load Number 1348 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Foggy Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)

Remarks:	Action Taken:
Did not test this load due to bad weather conditions.	Followed bad weather protocol, dredge continued digging.
	See hazardous Weather Report

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 98+00-102+00.**

Date: 11/21/2005

Disposal Load Number 1348 Tidal Stage Ebb Dredge State: Split Hull Weather: Foggy Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)

Remarks:	Action Taken:
Did not test this disposal due to bad weather conditions.	Followed bad weather protocol.
	See hazardous Weather Report

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel	OR WA WA	OR, WA Not Required Not Required
DSP-2	100' Down Current		
DSP-3	150' Radially from point of dredge (Port or Starboard)		
DSP-4	900' Down Current from point of dredging		
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		



# Great Lakes Dredge & Dock Company, LLC

## Phone Log: Unsafe Environmental Monitoring Conditions

### Contact Hierarchy

MCR Recorded Message:	360.642.3565
USCG Watch Stander:	360.642.2382 or Marine Radio Channel 13
Columbia River Bar Pilot (Sea to Astoria)	503.325.2641 or Marine Radio Channel 13
Columbia River Pilot (Astoria to Portland)	503.289.9922 or Marine Radio Channel 13
Lynn Nietfeld	630.258.3909
David Casebeer	214.906.6142
Keith Puro	262.455.5074

### Persons Involved

*Mate: Tom, unsafe called @ 7:30, start dig @ 7:29*

Dredge Captain

*Howie Howry*

Launch Operator

*Dave Paradelas*

Water Monitor

*Michael Hershey*

GLDD Supervisor

*Lynn Nietfeld*

USACE Staff

*Liz Smock*

Third Party

*Dan Butler, Dispatcher River Pilot*

### Location Information

### Criteria In Question

Date

*11/21/2005*

Load

*1348*

Crewboat

*Rogue River*

Test Location

*Columbia River*

*Rm 98 - 102*

Visibility

*300ft*

Wind

*0-5 kts*

Wave Height

*0-1'*

Current

*Ebb,*

Precipitation

*None*

Tide

*Ebb*

### Decision

(Circle One)

Dredge Captain

Safe

Unsafe

Launch Operator

Safe

Unsafe

Third Party

Safe

Unsafe

Action Taken

*Dredging Stopped*

*Dredging Continues*

Action Authorized By

*Lynn Nietfeld*

*David Casebeer*

*Keith Puro*

### Notes



# Great Lakes Dredge & Dock Company, LLC

## Phone Log: Unsafe Environmental Monitoring Conditions

### Contact Hierarchy

MCR Recorded Message:	360.642.3565
USCG Watch Stander:	360.642.2382 or Marine Radio Channel 13
Columbia River Bar Pilot (Sea to Astoria)	503.325.2641 or Marine Radio Channel 13
Columbia River Pilot (Astoria to Portland)	503.289.9922 or Marine Radio Channel 13
Lynn Nietfeld	630.258.3909
David Casebeer	214.906.6142
Keith Puro	262.455.5074

### Persons Involved

	<i>Mate: Jon</i>
Dredge Captain	<i>Howie Howry</i>
Launch Operator	<i>Dave Paradelas</i>
Water Monitor	<i>Michael Hershey</i>
GLDD Supervisor	<i>Lynn Nietfeld</i>
USACE Staff	<i>Liz Smock</i>
Third Party	<i>Dan Butler, Dispatcher River Pilot; 8:35</i>

### Location Information

Date	<i>11/21/2005</i>
Load	<i>1348</i>
Crewboat	<i>Rogue River</i>
Test Location	<i>Columbia River Disposal Area R.M. 101</i>

### Criteria In Question

Visibility	<i>250 ft</i>
Wind	<i>0-5 kts</i>
Wave Height	<i>0-2'</i>
Current	<i>Ebb</i>
Precipitation	<i>None</i>
Tide	<i>Ebb</i>

### Decision

(Circle One)

Dredge Captain	Safe	<u>Unsafe</u>
Launch Operator	Safe	<u>Unsafe</u>
Third Party	Safe	<u>Unsafe</u>
Action Taken	<i>Dredging Stopped</i>	<u><i>Dredging Continues</i></u>
Action Authorized By	<u><i>Lynn Nietfeld</i></u>	<i>David Casebeer</i> <i>Keith Puro</i>

### Notes

*Disposal not tested due to fog.*

Project Name/Location:

Contract Number: W9127N-05-C-0012

**Columbia River Channel Improvement - RM 98+00-102+00.**

Date: 11/21/2005

Dredging Load Number 1349 Tidal Stage Ebb Dredge State:  Weather: Foggy Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)

Remarks:	Action Taken:
Did not test this load due to bad weather conditions.	Followed bad weather protocol, dredge continued digging.
	See hazardous Weather Report

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 98+00-102+00.**

Date: 11/21/2005

Disposal Load Number 1349 Tidal Stage Ebb Dredge State: Split Hull Weather: Foggy Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)

Remarks:	Action Taken:
Did not test this disposal due to bad weather conditions.	Followed bad weather protocol.
	See hazardous Weather Report

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DSP-1	Background - 100' Up Current, Within 600-Foot of Channel	OR WA WA	OR, WA Not Required Not Required
DSP-2	100' Down Current		
DSP-3	150' Radially from point of dredge (Port or Starboard)		
DSP-4	900' Down Current from point of dredging		
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		



# Great Lakes Dredge & Dock Company, LLC

## Phone Log: Unsafe Environmental Monitoring Conditions

### Contact Hierarchy

MCR Recorded Message:	360.642.3565
USCG Watch Stander:	360.642.2382 or Marine Radio Channel 13
Columbia River Bar Pilot (Sea to Astoria)	503.325.2641 or Marine Radio Channel 13
Columbia River Pilot (Astoria to Portland)	503.289.9922 or Marine Radio Channel 13
Lynn Nietfeld	630.258.3909
David Casebeer	214.906.6142
Keith Puro	262.455.5074

### Persons Involved

Dredge Captain	Howie Nowy
Launch Operator	Dave Paradelas
Water Monitor	Michael Hershey
GLDD Supervisor	Lynn Nietfeld
USACE Staff	Liz Smek
Third Party	Dan Butler, Dispatcher River Pilot; 9:30

### Location Information

Date	11/21/2005
Load	1349
Crewboat	Rogue River
Test Location	Columbia River

### Criteria In Question

Visibility	300 ft
Wind	0-5 kts
Wave Height	0-2'
Current	Ebb
Precipitation	None
Tide	Ebb

### Decision

(Circle One)

Dredge Captain	Safe	<u>Unsafe</u>
Launch Operator	Safe	<u>Unsafe</u>
Third Party	Safe	<u>Unsafe</u>
Action Taken	Dredging Stopped	<u>Dredging Continues</u>

Action Authorized By Lynn Nietfeld David Casebeer Keith Puro

### Notes



# Great Lakes Dredge & Dock Company, LLC

## Phone Log: Unsafe Environmental Monitoring Conditions

### Contact Hierarchy

MCR Recorded Message:	360.642.3565
USCG Watch Stander:	360.642.2382 or Marine Radio Channel 13
Columbia River Bar Pilot (Sea to Astoria)	503.325.2641 or Marine Radio Channel 13
Columbia River Pilot (Astoria to Portland)	503.289.9922 or Marine Radio Channel 13
Lynn Nietfeld	630.258.3909
David Casebeer	214.906.6142
Keith Puro	262.455.5074

### Persons Involved

Mate: *Son*

Dredge Captain	<i>Howie Howry</i>
Launch Operator	<i>Dave Paradelas</i>
Water Monitor	<i>Michael Hershey</i>
GLDD Supervisor	<i>Lynn Nietfeld</i>
USACE Staff	<i>Liz Smock</i>
Third Party	<i>Dan Butler, Dispatcher River Pilot</i>

<i>Howie Howry</i>
<i>Dave Paradelas</i>
<i>Michael Hershey</i>
<i>Lynn Nietfeld</i>
<i>Liz Smock</i>
<i>Dan Butler, Dispatcher River Pilot</i>

### Location Information

Date	<i>11/21/2005</i>
Load	<i>1349</i>
Crewboat	<i>Rogue River</i>
Test Location	<i>Columbia River</i>

<i>11/21/2005</i>
<i>1349</i>
<i>Rogue River</i>
<i>Columbia River</i>
<i>Ln 101</i>
<i>Disposal Area</i>

### Criteria In Question

Visibility	<i>300 ft</i>
Wind	<i>0-5 kts</i>
Wave Height	<i>0-1'</i>
Current	<i>Ebb</i>
Precipitation	<i>None</i>
Tide	<i>Ebb</i>

<i>300 ft</i>
<i>0-5 kts</i>
<i>0-1'</i>
<i>Ebb</i>
<i>None</i>
<i>Ebb</i>

### Decision

(Circle One)

Dredge Captain	Safe	<u>Unsafe</u>
Launch Operator	Safe	<u>Unsafe</u>
Third Party	Safe	<u>Unsafe</u>
Action Taken	<u>Dredging Stopped</u>	<del>Dredging Continues</del>

### Action Authorized By

Lynn Nietfeld

David Casebeer

Keith Puro

### Notes

--

Project Name/Location:

Contract Number: W9127N-05-C-0012

**Columbia River Channel Improvement - RM 98+00-102+00.**

Date: 11/21/2005

<b>Dredging</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>Load Number</b>	DR-1	20.1	12:46:24	7635405.68	726473.38	4.7	
1350	DR-3	21.1	12:48:27	7634647.05	727266.28	9.7	
<b>Tidal Stage</b>	DR-3R1	21.1	12:48:29	7634647.22	727272.35	9.5	
Ebb	DR-2	21.3	12:49:35	7634416.20	727090.24	6.1	13.1
<b>Dredge State:</b>	DR-2R1	21.5	12:49:38	7634411.94	727090.36	5.7	13.1
Overflow through skimmers only	DR-4	20.5	12:51:21	7633665.64	727554.67	5.6	
	DR-4R1	20.8	12:51:23	7633661.54	727560.86	5.5	
<b>Weather:</b>							
Clear							
<b>Wind:</b>							
0-5 kts							
<b>Seas:</b>							
0-1'							
<b>Disposal location</b>							
Columbia River RM 101							
<b>Remarks:</b>				<b>Action Taken:</b>			
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 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.			
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
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						

Project Name/Location:

Contract Number: W9127N-05-C-0012

**Columbia River Channel Improvement - RM 98+00-102+00.**

Date: 11/21/2005

<b>Disposal Load Number</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>
1350	DSP-1	18.8	13:31:29	7624076.90	733565.79	4.2	
<b>Tidal Stage</b> Ebb	DSP-2	17.2	13:35:13	7623037.98	734829.02	8.0	13.0
<b>Dredge State:</b> Split Hull	DSP-2R1	17.2	13:35:16	7623033.89	734835.21	7.8	13.0
<b>Weather:</b> Clear	DSP-3	20.5	13:36:59	7622766.40	735633.04	4.7	
<b>Wind:</b> 0-5 kts	DSP-3R1	20.5	13:37:02	7622762.14	735633.16	4.6	
<b>Seas:</b> 0-1'	DSP-4	21.2	13:39:10	7622787.35	735012.35	11.6	
<b>Disposal location</b> Columbia River RM 101	DSP-4R1	21.1	13:39:13	7622787.35	735012.35	11.2	

<b>Remarks:</b>	<b>Action Taken:</b>
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 disposal ended and the dredge moved away from the area.

<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>	<b>Turbidity Compliance</b>	<b>DO Compliance</b>
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 98+00-102+00.**

Date: 11/21/2005

Dredging <u>Load Number</u> 1351 <u>Tidal Stage</u> Ebb <u>Dredge State:</u> Overflow through skimmers only  <u>Weather:</u> Clear <u>Wind:</u> 5-10 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	14:11:42	7632532.10	727737.88	4.3	
	DR-3	19.4	14:13:30	7631914.17	727906.91	4.8	
	DR-3R1	18.8	14:13:33	7631914.17	727906.91	4.8	
	DR-2	20.4	14:14:44	7631952.89	728228.04	10.6	13.3
	DR-2R1	20.7	14:14:48	7631952.89	728228.04	8.8	13.2
	DR-4	20.7	14:16:33	7631215.94	728564.52	7.7	
	DR-4R1	20.5	14:16:35	7631207.59	728570.83	7.6	

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-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		

Project Name/Location:

Contract Number: W9127N-05-C-0012

**Columbia River Channel Improvement - RM 98+00-102+00.**

Date: 11/21/2005

Dredging Load Number 1352 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Clear Wind: 0-5 kts Seas: 0-1' Disposal location Columbia River RM 101	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	20.6	15:55:20	7633907.69	727207.57	3.7	
	DR-3	20.6	15:57:52	7633137.94	727903.56	4.4	
	DR-3R1	20.6	15:57:54	7633137.94	727903.56	4.4	
	DR-2	21.0	15:59:34	7633113.36	727630.67	16.1	12.9
	DR-2R1	20.8	15:59:39	7633109.10	727630.78	15.2	13.0
	DR-4	20.5	16:01:23	7632372.45	727979.37	4.8	
	DR-4R1	20.5	16:01:25	7632372.45	727979.37	4.6	

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-4R1 was taken.
DR-3 exceeded 10% over background, 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		