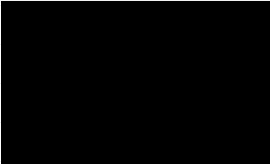


US EPA ARCHIVE DOCUMENT

1. Incident Name	2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214	
Kalamazoo River/Enbridge Spill	07/26/2012	18:38		
4. Unit Name/Designators	5. Unit Leader		6. Operational Period :	
SOTF Team #1	Name:	Dan Capone & Joe Victory (START/US EPA)	From:	07/26/2012 0700
	Position:	Operations Section Chief	To:	07/26/2012 1722
7. Personnel Roster Assigned				
<u>Name</u>	ICS Position		DUTY CELL	
Dan Capone	Operations Section Chief			
Joe Victory	Operations Section Chief			
Dan Zahner	Field Team Lead			
Michael Thierry	SOS #3			
8. Activity Log				
Activity Area	Morrow Lake and Delta MP 37.25 to 38.5.		LAT	LAT
			Various	Various
			(DD.MMMM)	(DD.MMMM)
<u>OIL OBSERVED</u>	EXTENT OF OIL IMPACTED AREA	NA		
	DENSITY OF OIL /SHEEN	NA		
Total Collection Points	NA			
Total Boom Deployed	NA			
Activity	<u>START SOS Team #3 Activity:</u> START SOS 3 conducted oversight documentation of Enbridge Team with Reed Rector (Team Lead) and Eric Celebrezze (YUMA Operator). Enbridge team conducted poling, sediment core sampling Secchi disk measurements and water / sediment temperature reading at each sampling point from Morrow Lake, Morrow Lake Fan and Delta MP 37.25 to 38.50. Two sediment cores are collected from each location. A third sample is collected from 50% of the locations for sediment density testing. Five samples locations from Morrow Lake fan lights and three from none, two from channel deposits moderates and one heavy. <u>Location 1: MP 38.00</u> Stratified-641, Morrow Lake Fan (Light) Sample SEKR-38.00C-704A, Push – 1.7', Recovery 1.4' Sample SEKR-38.00C-704B, Push– 2.0', Recovery 1.3' Sample SEKR-38.00C-704C (Density), Push– 2.0', Recovery 1.1'			

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-38.00C-704	1.5	2.4	2.7	73/78.7/78.8	Silt over Sand/Moderate

Location 2: MP 38.50

Stratified-642, Morrow Lake Fan (Light)

Sample SEKR-38.50C-703A, Push – 2.0', Recovery 1.5'

Sample SEKR-38.50C-703B, Push– 2.0', Recovery 1.4'

Sample SEKR-38.50C-703C (Density), Push– 2.0', Recovery 1.5'

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-38.50C-703	1.8	3.0	3.6	72.3/79.8/79.9	Silt over Sand /Light

Location 3: MP 38.00

Stratified-643, Morrow Lake Fan (Light)

Sample SEKR-38.00C-705A, Push – 1.5', Recovery 1.3'

Sample SEKR-38.00C-705B, Push– 1.5', Recovery 1.5'

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-38.00C-643	2.9	3.7	4.3	76.7/77.7/77.7	Sand and Silt/Light

Location 4: MP 38.25

Stratified-644, Morrow Lake Fan (Light)

Sample SEKR-38.25C-701A, Push – 4.0', Recovery 1.5'

Sample SEKR-38.25'-701B, Push– 4.0', Recovery 1.4'

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-38.25C-701	3.5	7.0	10.3	75.6/80.2/80.2	Soft/Moderate

Location 5: MP 38.00

Stratified-645, Morrow Lake Fan (Light)

Sample SEKR-38.00C-706A, Push – 2.6', Recovery 2.5'

Sample SEKR-38.00C-706B, Push– 2.6', Recovery 2.5'

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-38.00C-706	1.8	2.1	2.2	79/78.4/78.2	Sand/Light

Location 6: MP 38.00

Stratified-661, Morrow Lake Fan (None)

Sample SEKR-38.00C-707A, Push – 3.9', Recovery 1.9'

Sample SEKR-38.00C-707B, Push– 3.9', Recovery 1.9'

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-38.00C-707	3.4	6.7	6.8	75.6/78.1/78.2	Soft/Moderate

Location 7: MP 38.00

Stratified-662, Morrow Lake Fan (None)

Sample SEKR-38.00C-708A, Push – 3.5', Recovery 2.0'

Sample SEKR-38.00C-708B, Push– 3.7', Recovery 2.2'

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-38.00C-708	1.8	4.0	4.4	66.6/67.0/79.6	Soft/Light

Location 8: MP 38.00

Stratified-663, Morrow Lake Fan (None)

Sample SEKR-38.00C-702A, Push – 2.4', Recovery 1.8'

Sample SEKR-38.00C-702B, Push– 2.4', Recovery 2.2'

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-38.00C-709	2.0	3.4	3.7	75.4/78.9/79.0	Soft/Light

Location 9: MP 37.25

Stratified-182, Channel Deposits (Moderate)

Sample SEKR-37.25C-702A, Push – 3.5', Recovery 2.2'

Sample SEKR-37.25C-702B, Push– 3.5', Recovery 2.3'

Sample SEKR-37.25C-702C, Push– 3.5', Recovery 2.6'

LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
SEKR-37.25C-702	1.8	3.3	3.9	58.3/79.5/81.4	Silt over Sand/Moderate

Location 10: MP 37.75

Stratified-183, Channel Deposits (Moderate)

Sample SEKR-37.25C-701A, Push – 4.2', Recovery 1.4'

Sample SEKR-37.25C-701B, Push– 4.2', Recovery 1.3'

	LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
	SEKR-37.75C-701	6.0	9.8	10.2	72.4/79.7/79.7	Silt over Gravel/Light
<u>Location 11: MP 37.75</u> Stratified-161, Channel Deposits (Heavy) Sample SEKR-37.75C-702A, Push – 2.2', Recovery 1.2' Sample SEKR-37.75C-702B, Push– 2.2', Recovery 1.2'						
	LOC. ID	Water Depth (ft)	Soft Push (ft)	Hard Push (ft)	Sediment / Above Sed / Surface / Air (°F)	Sediment Type/ and Sheen Observation
	SEKR-37.75C-702	5.2	7.1	7.3	74.1/79.0/79.9	Silt over Sand/Moderate
Health and Safety Issues	Morrow lake safety stand down due to lighting from 8:00 AM to 10:15 AM.					
Comments						