



INLAND SHORELINE AND WETLAND ASSESSMENT FORM - MDEQ SCAT

Denotes List or Checkbox

1. GENERAL INFORMATION		Date (dd/mm/yy)	Time (24h Clock):	1730
Incident:	Tar Creek Oil Spill	6/4/2015	Winds:	Calm
Segment ID: Initial SCAT		Temperature (F): 85		
Survey By:	Foot <input checked="" type="checkbox"/> Boat <input type="checkbox"/> Air <input type="checkbox"/> Overlook <input type="checkbox"/> Other: <input type="checkbox"/>	Weather Conditions:	Sun Clear <1%	
		Precipitation (in):	0	
2. SURVEY TEAM		Name	Organization	Affiliation
Signature:	John Mark Henderson	MDEQ	State	(601) 906-8655
	Brad Ratcliff	MDEQ	State	(769) 257-9386
	Caleb Covington	MDEQ	State	(228) 326-6401
	Steven Ford	Operator	RP Rep.	(601) 660-7625
3. SEGMENT		Total Length:	Length Surveyed:	Differential GPS:
	Start GPS: N	W		
	End GPS: N	W		Comment:
4. SHORELINE HABITAT AND CHANNEL TYPE				
Primary (P)	Secondary (S)	Select one (P) and any (S)		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cut Bank		
<input type="checkbox"/>	<input type="checkbox"/>	Channel Width (avg):	2	FT
<input type="checkbox"/>	<input type="checkbox"/>	Channel Depth (avg):	5	FT
<input type="checkbox"/>	<input type="checkbox"/>	Cutbank Height (avg):	5	FT
<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	<input type="checkbox"/>			
5. HABITAT CHARACTER DESCRIPTION				
Physical Description:				
7. OPERATIONAL FEATURES				
	Yes or No	Type and/or description:		
Access via boat only:	No			
Oiled Debris:	Yes	Observed log jams, limbs and leaves coated with oil		
Oiled Vegetation:	Yes	Observed tree roots, limbs and grass coated with oil		
Can substrate support foot traffic:	Yes			
Access Restrictions:	Yes	Foot traffic and atv only		
8. OIL CONDITIONS				
	Description	Comments		
Oil Distribution:	Broken (51 - 90% Cover)			
Oil Thickness:	Pooled Oil (> 1cm)			
Oil Type:	Fresh Oil (Liquid oil)			
Oiled Wildlife:	No			
Subsurface Oil:	Oil Film (Sediments with sheen)			
9. CLEANUP RECOMMENDATIONS		Description	Comments	
Cleanup Recommendations:	Physical Herding	Use of boom and snare to physically herd pooled oil for removal Use of hand tools to removed oiled debris and vegetation Use of absorbents to collect pooled oil on water and soil		
	Manual Oil Removing/Cleaning			
	Sorbents			
Oiled Debris:	Remove			
Oiled Vegetation:	Cut and Remove	Cut and remove vegetation less than 1 inch diameter		
Subsurface Oiling:				
Recreational:				
Wildlife, Cultural and Ecological:	Yes	To be determined...		



INLAND SHORELINE AND WETLAND ASSESSMENT FORM - MDEQ SCAT

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1. GENERAL INFORMATION		Date (dd/mm/yy)	Time (24h Clock):	1100
Incident:	Tar Creek Oil Spill	6/6/2015	Winds:	Calm
Segment ID:	Division C		Temperature (F):	90
Survey By:	Foot <input checked="" type="checkbox"/> Boat <input type="checkbox"/> Air <input type="checkbox"/> Overlook <input type="checkbox"/> Other: <input type="checkbox"/>		Weather Conditions:	Clouds Scattered 1-50%
			Precipitation (in):	0
2. SURVEY TEAM		Name	Organization	Affiliation
Signature:	John Mark Henderson	MDEQ	State	(601) 906-8655
3. SEGMENT		Total Length:	Length Surveyed:	Differential GPS:
	Start GPS:	31 16 28.1N	91 06 21.0W	
	End GPS:	31 16 27.3N	91 06 21.2W	Comment:
4. SHORELINE HABITAT AND CHANNEL TYPE				
Primary (P)	Secondary (S)	Select one (P) and any (S)		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Man Made Structure	Channel Width (avg):	FT
<input type="checkbox"/>	<input type="checkbox"/>		Channel Depth (avg):	FT
<input type="checkbox"/>	<input type="checkbox"/>		Cutbank Height (avg):	FT
<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	<input type="checkbox"/>			
5. HABITAT CHARACTER DESCRIPTION				
Physical Description:				
7. OPERATIONAL FEATURES				
	Yes or No	Type and/or description:		
Access via boat only:	No			
Oiled Debris:	No			
Oiled Vegetation:	No			
Can substrate support foot traffic:	Yes			
Access Restrictions:	Yes	Foot traffic only		
8. OIL CONDITIONS				
	Description	Comments		
Oil Distribution:	Sporadic (1 - 10% Cover)			
Oil Thickness:	Coat (can be scraped; < 0.1cm)			
Oil Type:	Mousse (Emulsified/weathered oil)			
Oiled Wildlife:	No			
Subsurface Oil:	Oil Residue (Sediment oiling; little to no accumulation)			
9. CLEANUP RECOMMENDATIONS		Description	Comments	
Cleanup Recommendations:	Sorbents	Use of absorbents to collect pooled oil on water and soil		
Oiled Debris:				
Oiled Vegetation:				
Subsurface Oiling:				
Recreational:				
Wildlife, Cultural and Ecological:	Yes	To be determined...		



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Denotes List or Checkbox

1. GENERAL INFORMATION		Date (dd/mm/yy)	Time (24h Clock):	1100
Incident:	Tar Creek Oil Spill	6/6/2015	Winds:	Calm
Segment ID: Division B		Temperature (F): 90		
Survey By: Foot <input checked="" type="checkbox"/> Boat <input type="checkbox"/> Air <input type="checkbox"/> Overlook <input type="checkbox"/> Other: <input type="checkbox"/>		Weather Conditions:	Clouds	Scattered 1-50%
		Precipitation (in):	0	
2. SURVEY TEAM		Name	Organization	Affiliation
Signature:	John Mark Henderson	MDEQ	State	(601) 906-8655
3. SEGMENT		Total Length:	Length Surveyed:	Differential GPS:
Start GPS:		31 16 27.3N	91 06 21.2W	
End GPS:		31 16 28.2N	91 06 09.2W	Comment:
4. SHORELINE HABITAT AND CHANNEL TYPE				
Primary (P)	Secondary (S)	Select one (P) and any (S)		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cut Bank		
<input type="checkbox"/>	<input type="checkbox"/>	Channel Width (avg):	2	FT
<input type="checkbox"/>	<input type="checkbox"/>	Channel Depth (avg):	5	FT
<input type="checkbox"/>	<input type="checkbox"/>	Cutbank Height (avg):	5	FT
<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	<input type="checkbox"/>			
5. HABITAT CHARACTER DESCRIPTION				
Physical Description:				
7. OPERATIONAL FEATURES				
	Yes or No	Type and/or description:		
Access via boat only:	No			
Oiled Debris:	Yes	Observed log jams, limbs and leaves coated with oil		
Oiled Vegetation:	Yes	Observed tree roots, limbs and grass coated with oil		
Can substrate support foot traffic:	Yes			
Access Restrictions:	Yes	Foot traffic and atv only		
8. OIL CONDITIONS				
	Description	Comments		
Oil Distribution:	Patchy (11 - 50% Cover)			
Oil Thickness:	Cover (0.1 - 1cm)			
Oil Type:	Fresh Oil (Liquid oil)			
Oiled Wildlife:	No			
Subsurface Oil:	Oil Film (Sediments with sheen)			
9. CLEANUP RECOMMENDATIONS				
	Description	Comments		
Cleanup Recommendations:	Physical Herding	Use of boom and snare to physically herd pooled oil for removal		
	Manual Oil Removing/Cleaning	Use of hand tools to removed oiled debris and vegetation		
	Sorbents	Use of absorbents to collect pooled oil on water and soil		
Oiled Debris:	Remove	Rake and Bag		
Oiled Vegetation:	Cut and Remove	Cut and remove vegetation less than 1 inch diameter		
Subsurface Oiling:				
Recreational:				
Wildlife, Cultural and Ecological:	Yes	To be determined...		



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1. GENERAL INFORMATION		Date (dd/mm/yy)	Time (24h Clock):	1100
Incident:	Tar Creek Oil Spill	6/6/2015	Winds:	Calm
Segment ID: Division C		Temperature (F): 90		
Survey By: Foot <input checked="" type="checkbox"/> Boat <input type="checkbox"/> Air <input type="checkbox"/> Overlook <input type="checkbox"/> Other: <input type="checkbox"/>		Weather Conditions:	Clouds	Scattered 1-50%
		Precipitation (in):	0	
2. SURVEY TEAM		Name	Organization	Affiliation
Signature:	John Mark Henderson	MDEQ	State	(601) 906-8655
3. SEGMENT		Total Length:	Length Surveyed:	Differential GPS:
Start GPS:		31 16 28.2N	91 06 09.2W	
End GPS:		31 16 33.2N	91 06 06.2W	Comment:
4. SHORELINE HABITAT AND CHANNEL TYPE				
Primary (P)	Secondary (S)	Select one (P) and any (S)		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cut Bank		
<input type="checkbox"/>	<input type="checkbox"/>	Channel Width (avg):	6	FT
<input type="checkbox"/>	<input type="checkbox"/>	Channel Depth (avg):	10	FT
<input type="checkbox"/>	<input type="checkbox"/>	Cutbank Height (avg):	10	FT
<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	<input type="checkbox"/>			
5. HABITAT CHARACTER DESCRIPTION				
Physical Description:				
7. OPERATIONAL FEATURES				
	Yes or No	Type and/or description:		
Access via boat only:	No			
Oiled Debris:	Yes	Observed log jams and leaves coated with oil		
Oiled Vegetation:	Yes	Observed tree roots and limbs coated with oil		
Can substrate support foot traffic:	Yes			
Access Restrictions:	Yes	Foot traffic and atv only		
8. OIL CONDITIONS				
	Description	Comments		
Oil Distribution:	Sporadic (1 - 10% Cover)			
Oil Thickness:	Cover (0.1 - 1cm)			
Oil Type:	Mousse (Emulsified/weathered oil)			
Oiled Wildlife:	No			
Subsurface Oil:	Oil Film (Sediments with sheen)			
9. CLEANUP RECOMMENDATIONS		Description	Comments	
Cleanup Recommendations:	Physical Herding	Use of boom and snare to physically herd pooled oil for removal		
	Manual Oil Removing/Cleaning	Use of hand tools to removed oiled debris and vegetation		
	Sorbents	Use of absorbents to collect pooled oil on water and soil		
		Also observed silver sheen the entire length of Div C		
Oiled Debris:	Remove	Rake and Bag		
Oiled Vegetation:	Cut and Remove	Cut and remove vegetation less than 1 inch diameter		
Subsurface Oiling:				
Recreational:				
Wildlife, Cultural and Ecological:	Yes	To be determined...		



INLAND SHORELINE AND WETLAND ASSESSMENT FORM - MDEQ SCAT

Photo Log for 6/4/15 SCAT

Tar Creek Oil Spill

Big River Oil Field Supply











Photo log for 6/6/15

Tar Creek Oil Spill

Big River Oil Field Supply

Division A



Figure 1 Source location of oil spill



Figure 2 Reserve Pit

Division B



Figure 1 Oil leaching



Figure 2 Free Oil



Figure 3 Leaching 2



Figure 4 Oiled absorbent pads

Division C



Figure 1 Broken oil



Figure 2 Emulsified oil



Figure 3 Silver sheen