Oiled Shoreline Assessment Form

Human health and safety is the number one priority in any incident. Always conduct a job safety analysis before commencing an assessment and review when major changes occur.

This form is for responders who are required to complete a shoreline assessment. It is recommended that responders have completed oiled shoreline training as a minimum. This form is not intended to be used in isolation and should be backed up with photos, oil samples and various notes.

What is a shoreline assessment?
A shoreline assessment is a simple yet comprehensive survey of a shoreline. It employs a systematic approach using standardised terminology to provide data to decision makers for planning shoreline protection, clean-up and monitoring.

What information needs to be gathered?

Primary

- Shoreline type and substrate
- Oil location, character and behaviour.

Additional information

- Access Points
- Hazards and Sensitive areas
- Recommended clean-up methods
- Potential sites for equipment or waste staging to occur.

Dividing the shoreline

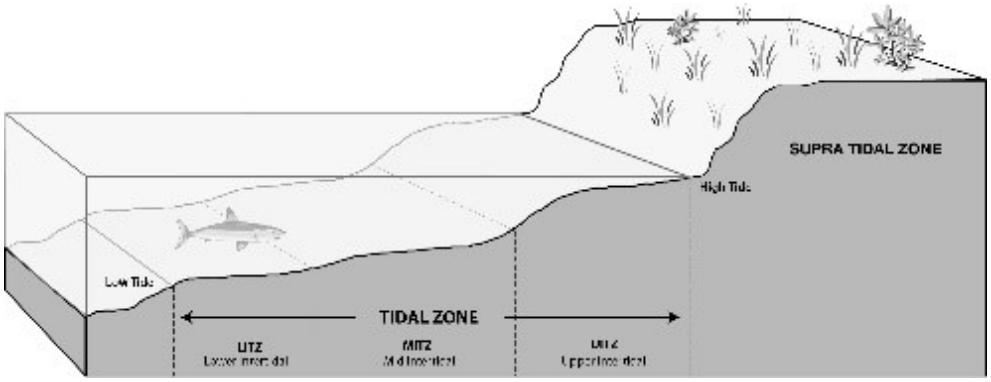
Sectors
Where there is a geographical barrier and restricted access between two areas, they will be split into separate sectors. Note that different sectors may have separate field command centres, catering, ablutions, decontamination, etc. Sectors are to be spilt into segments by the assessment team.

Segments
A segment is a piece of shoreline that's a workable size for a clean-up team and could be defined based on:

- Shoreline type
- Clean-up method
- Access points
- Features e.g. breakwater
- Jurisdiction e.g. shire boundaries
- Presence of particular flora and/or fauna
- Size of the shoreline that requires cleaning.

Recommended Equipment to be carried.

Item Category	Item	Check
Recording	Mobile Phone / Camera	☐
Navigation	Maps and charts / iPad	☐
	GPS	☐
Communication	Mobile phone	☐
	Radio	☐
PPE	As required	☐
	Shoreline assessment forms	☐
	Job Safety Analysis	☐
	Team Logbook	☐
Other	Tape measure	☐
	Shovel	☐
	Sampling kit	☐



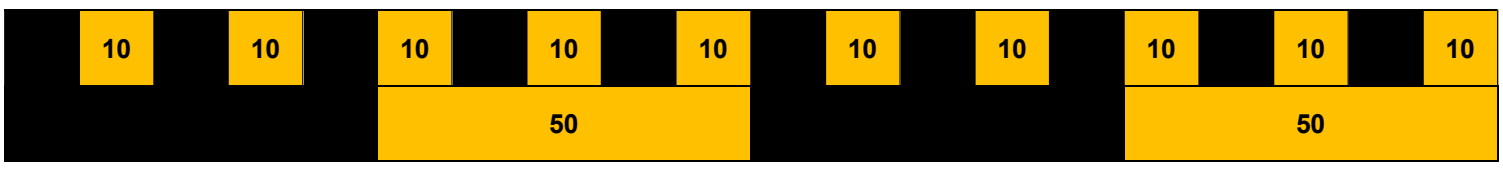


Photo Scale (mm)

1. Fill in the Segment identifying information and list all team members

Incident Name		**Date and Time**	
Sector Number		**Segment Letter**	
TEAM DETAILS			
Team Members (name/organisation)	/	/	
	/	/	

2. Enter the name of beach (if known).
Note the coordinates on the waterline at the start and end of the segment.
Identify Access Points and note on the sketch map
Identify any sensitivities and general hazards (detail in notes)

LOCATION DETAILS					
Name of Beach or Location		**Coordinates** DDM	**Start**	-	
			End	-	
Access Via	☐ Foot Only	☐ Road	☐ 4WD	☐ Boat	☐ Helicopter
Sensitivities	☐ Environmental	☐ Cultural	☐ Social	☐ Heritage	(Add detail to notes)
Hazards					

3. Enter the shoreline type for the tidal and supratidal area
Enter the substrate type
See below for shoreline types and substrates
Measure the length of the shoreline and width of the tidal and supratidal areas

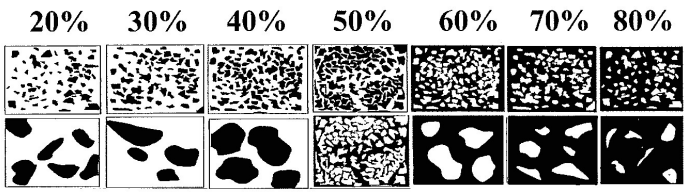
ASSESSMENT		
Parameter	**Tidal Zone**	**Supratidal Zone (Above Tidal Zone)**
Shoreline Description		
Shoreline type		
Substrate type		
Length of shoreline (m)		
Width of shoreline (m)		

Shoreline Type	
Cliff	
Platform	
Reef	Intertidal platform
Beach	
Dune	
Flats	
Artificial	Wharf or sea wall

Shoreline Substrate	
Bedrock	
Boulder	Larger than a head
Cobble	Fist to head size
Pebble	Pea to fist size
Gravel	2 - 4mm diameter
Sand	0.06 - 2mm diameter
Mud/silt/clay	< 0.6mm diameter
Earth	Usually found in cliffs
Shell grit	Usually with sand
Coral	Dead coral (Rubble)
Artificial	Rip-rap

4. Note oiling information if applicable
Ensure you note oiled areas on sketch map
Use table below to measure % cover
See below for oil type

Surface Oil				
Oil present?	☐ Yes	☐ No	☐ Yes	☐ No
Oil % cover				
Oil band length (m)				
Oil band width (m)				
Surface oil thickness (mm)				
Surface oil character	☐ Fresh ☐ Mousse ☐ Tar balls		☐ Fresh ☐ Mousse ☐ Tar balls	



Surface Oil Type	
Fresh	Un-weathered oil
Mousse	Emulsified oil/water mixture
Tar balls	Balls or clumps of weathered oil

5. Identify buried oil
Note inspection sites on sketch map

Buried Oil			
Buried oil present?	☐ Yes	☐ No	☐ Not Inspected
Depth of buried oil (mm)			
Buried oil thickness (mm)			
Description of buried oil			

6. Note oil colour viscosity and stickiness
Note the presence of any debris (Oiled or otherwise)

Oil Character			
Oil colour			
Oil viscosity	☐ Solid	☐ Viscous	☐ Fluid
Oil stickiness	☐ Very sticky	☐ Sticky	☐ Non sticky
Debris			
Debris present	☐ No	☐ Oiled	☐ Unoiled

7. Select treatment recommendation ensuring you include notes to support your reasoning

TREATMENT RECOMMENDATION			
☐ Pre-Cleaning	☐ Natural Recovery	☐ Manual Clean up	☐ Mechanical Clean up
☐ Shoreline Booming	☐ Skimming / Vacuuming	☐ Absorbents	☐ Other
Treatment Notes			

8. Fill in the Segment identifying information
Complete sketch map and map legend
Compile any additional notes

9. If transmitting the assessment digitally, Photograph both pages and attach to the Segment Layer along with other relevant photos
Notify your Coordinator once complete

Incident Name		**Date and Time**	
Sector Number		**Segment Letter**	

TEAM DETAILS

Team Members (name/organisation)	/	/
	/	/

LOCATION DETAILS

Name of Beach or Location		**Coordinates** DDM	**Start**	-
			End	-
Access Via	☐ Foot Only	☐ Road	☐ 4WD	☐ Boat ☐ Helicopter
Sensitivities	☐ Environmental	☐ Cultural	☐ Social	☐ Heritage (Add detail to notes)
Hazards				

ASSESSMENT

Parameter	Tidal Zone	Supratidal Zone (Above Tidal Zone)
Shoreline Description		
Shoreline type		
Substrate type		
Length of shoreline (m)		
Width of shoreline (m)		
Surface Oil		
Oil present?	☐ Yes ☐ No	☐ Yes ☐ No
Oil % cover		
Oil band length (m)		
Oil band width (m)		
Surface oil thickness (mm)		
Surface oil character	☐ Fresh ☐ Mousse ☐ Tar balls	☐ Fresh ☐ Mousse ☐ Tar balls
Buried Oil		
Buried oil present?	☐ Yes ☐ No ☐ Not Inspected	
Depth of buried oil (mm)		
Buried oil thickness (mm)		
Description of buried oil		
Oil Character		
Oil colour		
Oil viscosity	☐ Solid ☐ Viscous ☐ Fluid	
Oil stickiness	☐ Very sticky ☐ Sticky ☐ Non sticky	
Debris		
Debris present	☐ No ☐ Oiled ☐ Unoiled	

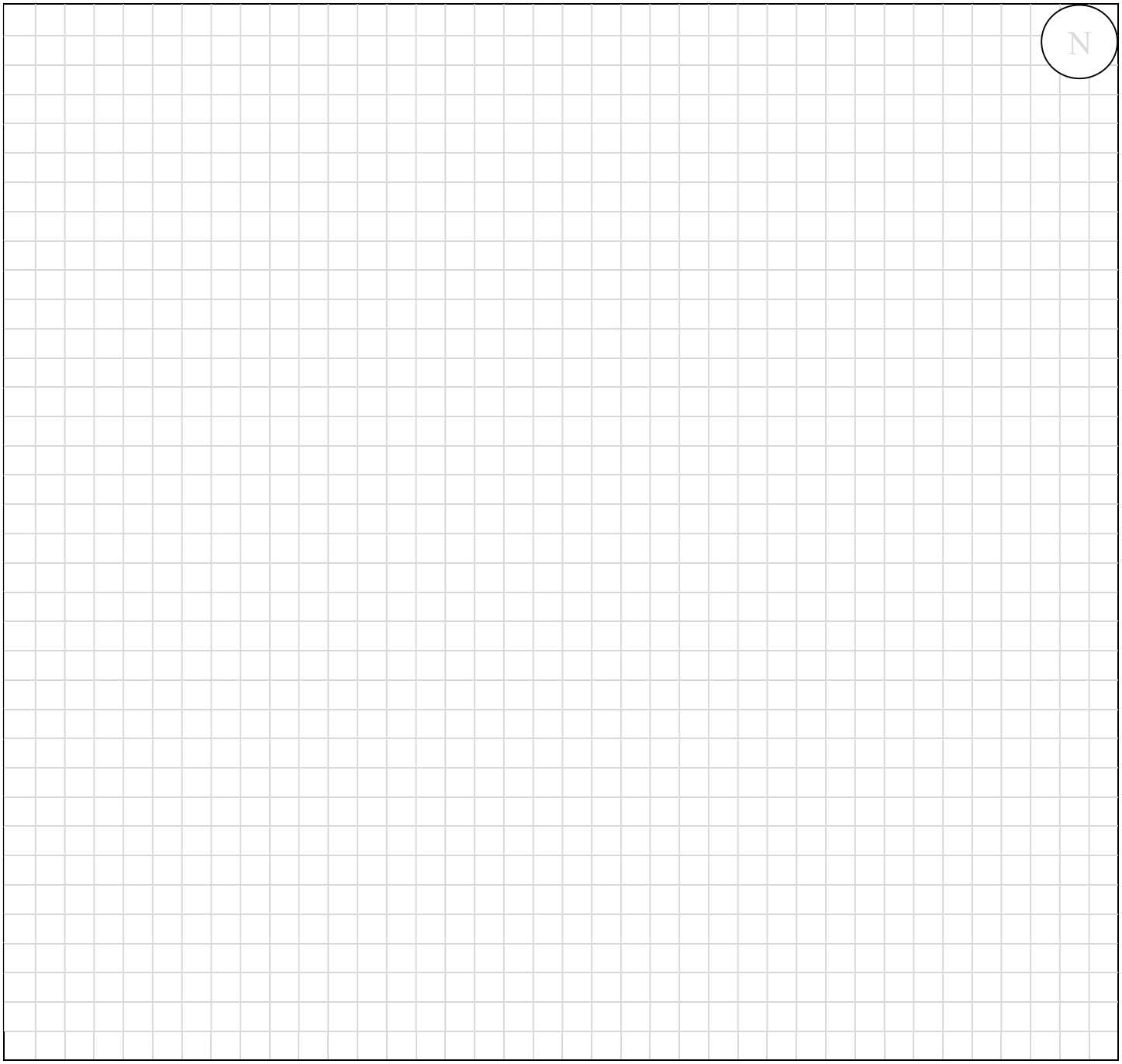
TREATMENT RECOMMENDATION

☐ Pre-Cleaning	☐ Natural Recovery	☐ Manual Clean up	☐ Mechanical Clean up
☐ Shoreline Booming	☐ Skimming / Vacuuming	☐ Absorbents	☐ Other (note below)

Treatment Notes	

Incident Name		Date and Time	
Sector Number		Segment Letter	

SKETCH MAP



Legend	Sector	Segment	Access Point	POI
Oiled Area	Shoreline	Road / Track	Sample Site	Inspection Site

Notes

May include but not limited to Sensitive Areas, Flora & Fauna, Wave Energy, Tide and any other considerations.