



Shoreline Assessment Form

This form should be submitted to the Shoreline Division Coordinator (SC). A summary of the information will be forwarded by the SC to the Operations Officer, Planning Officer and Management Support Unit.

Purpose

This form is for shoreline responders who are required to complete a shoreline assessment.

It is recommended that such responders have completed oiled shoreline training as a minimum. This form is not intended to be used in isolation.

Purpose

Human health and safety is **always** the number one priority in any incident.

Priorities

Protection priorities under Australia's National Plan to Combat Pollution of the Sea by Oil and other Noxious and Hazardous Substances (The National Plan) are:

- Human health and safety
- Habitat and cultural resources
- Rare and/or endangered flora and fauna
- Commercial resources
- Recreational and amenity areas

Complete

- Take Five and
- Job Safety Analysis (JSA)

Prior to and as part of your operations

What is a shoreline assessment?

A shoreline assessment:

- Is a simple and comprehensive survey of a shoreline
- Provides data to enable decision making for shoreline protection, clean-up and monitoring and
- Employs a systematic approach using standardised terminology

What information needs to be gathered?

Purpose

- Shoreline description
 - Shoreline type, substrate and energy
 - Biological character of shoreline
- Oil description
- Oil location, character and behaviour

Additional information that may be required:

- Access
- Site hazards and constraints
- Sensitive areas
- Features/landmarks
- Potential sites for
 - Decontamination/waste
 - Helicopter landing

Dividing the shoreline

Sectors

Where there is a geographical barrier and restricted access between two areas, they will be split into separate sectors. Different sectors may have separate field command centres, catering, ablutions, decontamination, etc. Sectors will be further split into segments.

Segments

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

- Shoreline type
- Substrate type
- Access points
- Features e.g. breakwater
- Jurisdiction e.g. shire boundaries
- Presence of particular flora and/or fauna
- Distance e.g. every 50m

Item Category	Item	Check
Recording	Camera	<input type="checkbox"/>
Navigation	Maps and charts	<input type="checkbox"/>
	GPS	<input type="checkbox"/>
	Compass	<input type="checkbox"/>
Communication	Mobile phone	<input type="checkbox"/>
	Radio	<input type="checkbox"/>
	Confirm phone/radio coverage	<input type="checkbox"/>
Personal	First aid kit	<input type="checkbox"/>
	Hat	<input type="checkbox"/>
	Sun-cream	<input type="checkbox"/>
	Drinking water	<input type="checkbox"/>
	Rubber boots (non-slip)	<input type="checkbox"/>
	Wet weather gear	<input type="checkbox"/>
Documentation	Field booklet	<input type="checkbox"/>
	Shoreline assessment forms	<input type="checkbox"/>
	JSA forms	<input type="checkbox"/>
	Log	<input type="checkbox"/>
Other	Tape measure	<input type="checkbox"/>
	Shovel	<input type="checkbox"/>
	Sampling kit	<input type="checkbox"/>

Ensure you advise command of your planned operation and establish reporting expectations for while you are in the field.

Shoreline descriptors:

Shoreline Type	Abbr.		Note
Cliff	Cl		Height and slope
Platform	Pl		Height relative to tide
Reef	Re		Reef is an intertidal platform
Beach	Be		
Dune	Du		
Flats	Fl		
Artificial	A		e.g. wharf, sea wall

Shoreline substrate	Abbr.	Size	Note
Bedrock or rock	R		
Boulder	B	Larger than head	
Cobble	C	Fist to head size	
Pebble	P	Pen diameter to fist size	
Gravel	G	2-4mm diameter	
Mud/silt/clay	M	Less than 0.6mm	Mix with water, if it goes cloudy = mud, if it sinks = sand
Earth	E		Usually cliffs only
Shellgrit	Sh		Usually with sand (i.e. Sh/S)
Coral	Co		Dead coral, i.e. coral rubble (<i>if corals are live, record as coral in both substrate type and biological character</i>)
Artificial	A		e.g. rip-rap

Note: S/B would indicate boulders and sand in equal amounts. S(B) would indicate sand was the dominant substrate.

Biological character

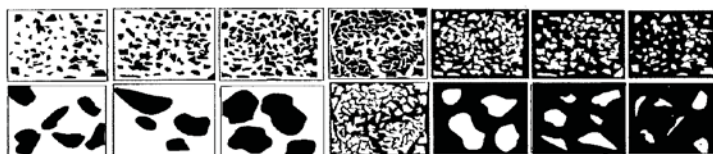
This is flora and fauna living on the shoreline. Document this and indicate location on sketch map.

Oil description/character

- **Colour**
- **Viscosity: Solid** (*doesn't flow*), **Viscous** (*flow slowly*), **Fluid** (*flows easily*)
- **Stickiness: Very sticky** (*can't be wiped/washed off*), **Sticky** (*partly removed by wiping/washing*), **Non sticky** (*wipes off easily*)

Percentage oil cover

20% 30% 40% 50% 60% 70% 80%

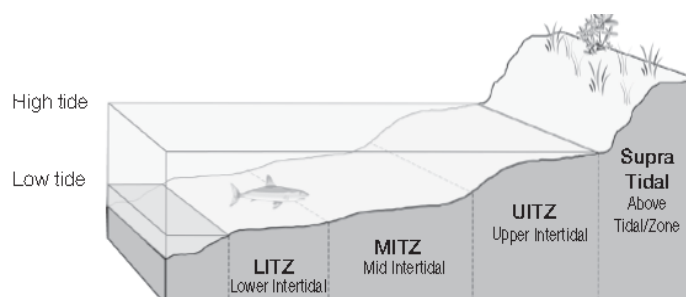


Oil thickness

Name	Abbr.	Thickness	Description
Pooled	Po	Can be measured in mm or cms	Pooled fresh or emulsified oil
Cover	Co	Over 1mm	Coverage of oil of measurable thickness but not pooled
Coat	Ct	Less than 1mm	This coat of oil that masks colour of substrate and can be scratched off with fingernail.
Stain	St	Less than 1mm	Very thin stain of oil which cannot be scratched off substrate with fingernail
Film or sheen	Fi or Shn	Extremely thin film or sheen	Substrate can usually be seen through oil. Can be described as brown, rainbow or silver.
Tar balls	Tb	Variety of sizes	Ball or clumps of weathered oil.

- To describe thickness of subsurface oil:
 - Depth = distance from substrate surface to top of buried layer
 - Thickness of lens = distance between top and bottom of buried layer

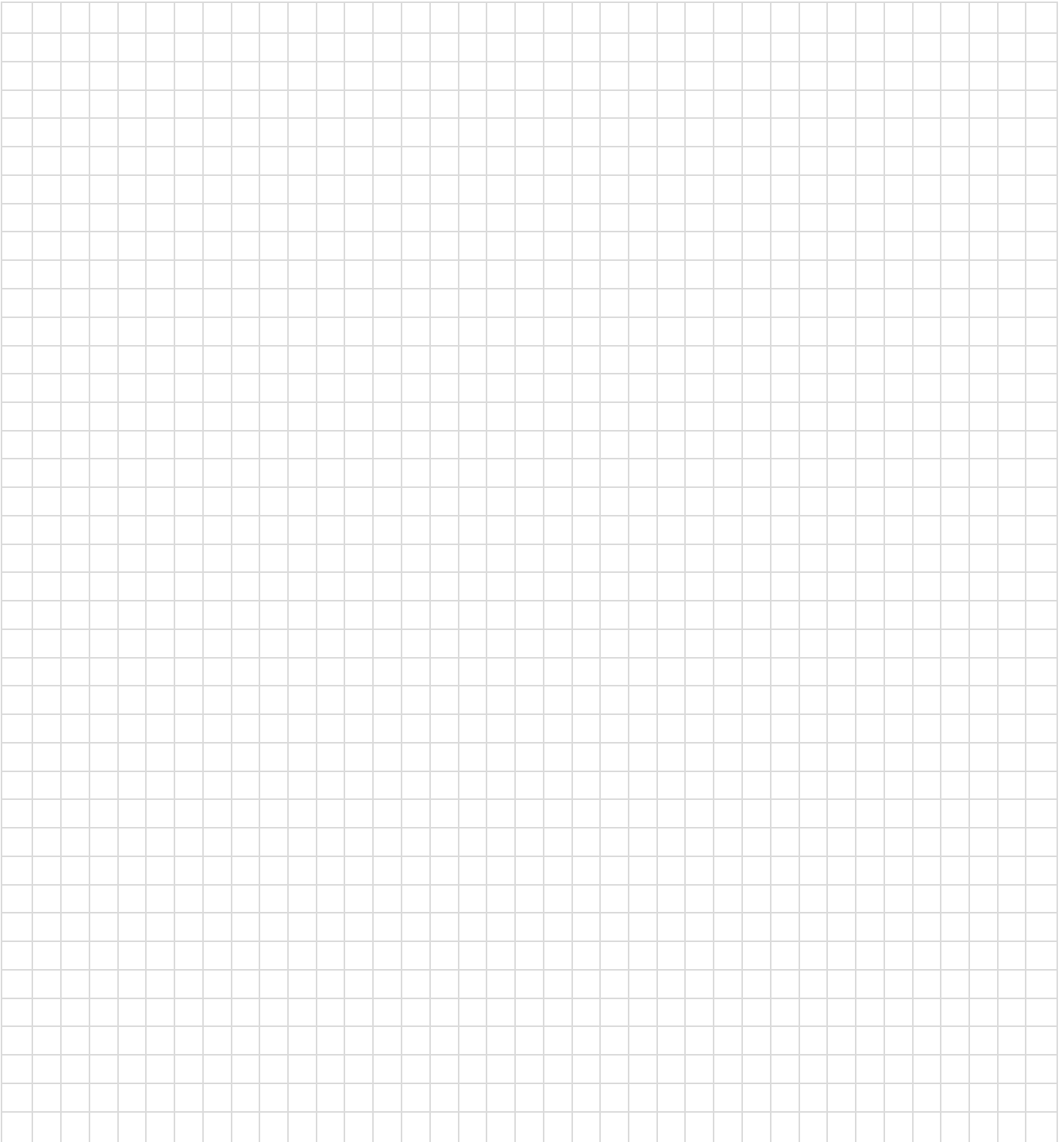
Shoreline tidal zones



Incident		Ref No.		
REPORTING DETAILS				
Assessment Team Leader		Position/ Organisation		
Team Members (name/org)				
Date Completed		Time Completed		
Reporting to		Position/ Organisation		
Date Received		Time Received		
LOCATION DETAILS				
Sector		Segment		
Name of Beach/Location		Description (e.g. slope)		
Topography/ Other Map		Map Reference		
Access Via	<input type="checkbox"/> Foot Only <input type="checkbox"/> Road <input type="checkbox"/> 4WD <input type="checkbox"/> Boat <input type="checkbox"/> Helicopter <input type="checkbox"/> Gator/OUV			
Hazards				
TIMING				
First Assessment	<input type="checkbox"/> Yes <input type="checkbox"/> No		Last Assessment <input type="checkbox"/> Yes <input type="checkbox"/> No	
Timing	<input type="checkbox"/> Pre Impact <input type="checkbox"/> Post Impact Before Clean-Up <input type="checkbox"/> Post Impact After Clean-Up			
Time Since	Impact (days/hrs.):		Last Clean-up (days/hrs.):	
ASSESSMENT				
Parameter	LITZ	MITZ	UITZ	Supratidal
Shoreline Description				
Shoreline type				
Substrate type				
Length of shoreline				
Width of shoreline				
Biological character				
Oil Distribution and Character				
Oil band length				
Oil band width				
% cover in band				
Surface oil thickness				
Oil appearance/character				
Depth of buried oil (from surface)				
Description of buried oil				
Other				
Un oiled debris				
Oiled debris				

Sketch Map

Please include North point and scale



Notes
