(Official use only)	Beach number (unique identity code):	Survey Area (A, B, C, D, E, F, G):
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SURVEY AREA CODE: A = Cape Tribulation – Bris; B = Bris – Melb; C = Melbourne – Streaky Bay; D = Streaky Bay – Perth; E = Perth – Broome; F = Broome – Darwin; G = Around Tasmania

MARINE DEBRIS BEACH SURVEY

Survey Guidelines:

- Complete one Beach survey form per site and one transect data form for each transect at the site. Record all coordinates in WGS84 datum only.
- Minimum of three transects and minimum of six per site.
 - Minimum of one transect located within each major habitat type (transects proportional to habitat type).
 - Transects located at least 50 m from beach access point (ideally not located both sides of access points, unless different habitat types).
 - Transects located at least 25 meters apart (ideally 50 meters).
 - Transect to include two meters into continuing backshore terrestrial vegetation.

SURVEYOR DETAILS							
Organisation:		Organisation responsible for survey.					
Surveyor name:		Name of chief surveyor.					
Contact number:		Contact number for surveyor.					
Access point location:	Latitude:	Latitude and longitude of access point where you enter the beach (dd.dddd).					
GPS accuracy:		Accuracy (meters) of GPS at time of reading.					
SITE DETAILS							
State / Territory:		State or territory in Australia beach is located.					
Beach name:		Unique name of beach , if known.					
Survey date:		Date survey undertaken (dd/mm/yyyy).					
Current weather:	Clear Rain/Storm Overcast Drizzle	Circle best option to describe the weather.					
Wind speed:	Circle Speed estimate: 0: calm (flat ocean) 1: light breeze (wavelets, <10km/h , <6 knots) 2: moderate breeze (small waves braking crests, 10-25km/h, 6-20 knot 3: strong breeze (waves and many white caps, 25-49km/h, 21- 26 knot 4: high wind (white caps and airborne spray, 50-65 km/h , 27-35 knots, 5: gale (high waves, foam and spray present, 65-85 km/h, 35-45 knots,						
Wind direction: (compass)	N NE E SE S SW W NW N/A	Direction from which wind is coming measured by the compass. N/A if no wind.					
Wind direction: (relative to shore)	onshore offshore sideshore side-on side-off	Onshore: wind blowing towards shore Offshore: wind blowing towards sea Sideshore: wind blowing parallel to shore Side-onshore: wind blowing sideways and towards shore Side-offshore: wind blowing sideways and towards sea					
Date of last clean up:		If known.					
Number of humans:	3: strong breeze (waves and many white caps, 25-4 4: high wind (white caps and airborne spray, 50-65 5: gale (high waves, foam and spray present, 65-85 d direction: Inpass) N NE E SE S SW W NW N/A Direction from which wind is coming me compass. N/A if no wind. Onshore: wind blowing towards shore Offshore: wind blowing towards shore Offshore: wind blowing parallel to sho Side-onshore: wind blowing sideways a Side-offshore: wind blowing sidew						
Comments:		For example: entangled fauna, recent storms, shipwrecks, boat ramp in close proximity, coastal erosion or other conditions that may affect the survey.					

Marine Debris Size Chart

Guidelines:

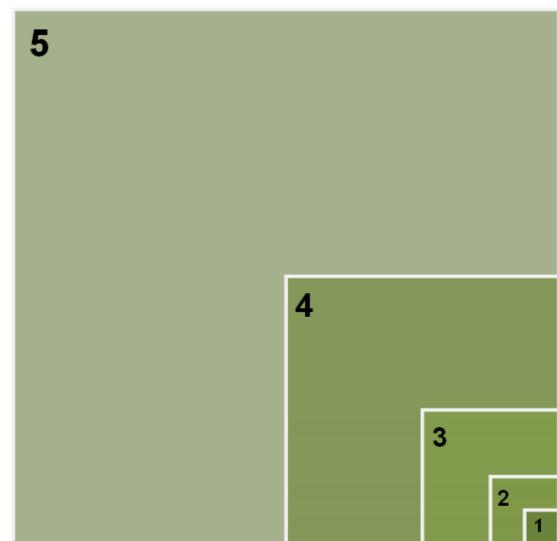
- * This chart should be used as a guide to help estimate the size of marine debris during each beach transect (see transect sheet)
- * The squares below represent different size classes

$$1 = 0-1 \text{ cm}^2$$
; $2 = 1-2 \text{ cm}^2$; $3 = 2-4 \text{ cm}^2$; $4 = 4-8 \text{ cm}^2$; $5 = 8-16 \text{ cm}^2$; $6 = >16 \text{ cm}^2$

- * To estimate area, determine which square the object will fit into.
- * Note. It may be helpful to fold objects that are long and thin in order to picture the total areas, e.g. plastic straws.

 $\mathbf{6}$ (anything larger than category 5) $\longrightarrow \cdots \infty$

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Transect Data							
Beach Name:	Name of surveyor(s):						
Transect Number:	No. of surveyor(s):						
Transect width (m):	Transect Number of						

Transect width (III).						ITalis	sect mun	<u></u>				
	T											
Transect start:	Latitude: Longitude GPS Accur Start Time	: acy:					Latitude and longitude recorded in decimal degrees (dd.dddd). Accuracy (in meters) of the GPS at time of reading. Record Start Time of Transect					
Transect end:	Latitude: Longitude GPS Accur End Time (: acy:						(dd.dddd) Accuracy	and longitude recorded in decimal degrees). (in meters) of the GPS at time of reading. ad Time of Transect			
Photo numbers:	Start of Tra							Number of point.	of photo, taken from transect start and end			
Transect length (m):									ers edge to two meters into continual I vegetation (meters).			
Distance to dominant debris line (m):								meters) a	from water edge to major debris line (in t time of survey. Example 23 meters. If no lebris line use NA.			
Beach gradient:	1 2 3 4 5							Difference in elevation from start to end of transect. 1 = < 1 m (less than hip height) 2 = 1-2 m (hip to head height) 3 = 2-4 m (1-2 body length) 4 = 4-8 m (2-4 body lengths) 5 = > 8 m (more than 4 body lengths)				
Substrate type:	Mud Sand Pebble / Gravel Rock slab Mangrove							Boulders	Major substrate type.			
Substrate colour:	White /			Yellow	v Grey	Oran R	ge ed	Brown	Predominant colour of substrate.			
Backshore type:	Cliff Seawall Urban build Forest / Tree (> 3m) Shrub (< 3m) Grass - tussock Grass - pasture							ing Dune Mangrove	Physical structure of backshore, where beach meets terrestrial vegetation.			
Beach exposure or shape:	Concave (cove) Straight Convex (he							adland)	Shape of beach where survey is conducted. Based on 25m each side of transect.			
Aspect:	N	NE	Е	SE	S	SW	W	NW	Direction when you are facing the water.			
Comments:									For example: transect-related comments such as backshore flora, crossing paths, photo information, etc.			

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Transect debris (type and colour): Record one mark (e.g. IIII) for each piece of rubbish larger than 1 cm² in size, within 1 metre each side of the transect line. If you find items other than those listed, add details to bottom of table.

Size classes: Sample debris type and size class at ten intervals along each transect.

		Colour of debris													≒		
	Rubbish Type	Clear / translucent	White	Red/ pink	Orange	Yellow	Green	Blue / purple	Brown	Black	Grey / silver	ing –	Distance from water (m)	Size Class	Type / colour		
	Hard plastic											Sampling Interval					
	Plastic bags											Saı	Dis	Siz	₽		
	Film-like plastics (glad wrap and chip bags)											1					
Plastic	Other soft plastics											2					
Pla	Plastic packing straps																
	Net (estimate size)											3					
	Fishing line											4					
	Plastic (string, twine, rope)											5					
Cloth	Non-plastic (string, twine, rope)											6					
Glass	Glass											7					
	Fish hook																
Metal	Metal (hard)											8					
≥	Metal (soft, tinfoil)											9					
e	Balloon																
Rubber	Other rubber items											10					
Foam	Polystyrene (foam, from esky's buoys etc.)														ength by 10 to		
ਲ	Other foam											determine samplin	-				
Timber	Wood (posts, beams, ship hulls)											transect is 35 m, interval = 3.5 m. 2. At each interval record the type and size of the first piece of rubbish encountered.					
Paper	Cigarette butts														n the interval		
Pak	Paper											draw a line through to next interval, e					
															3.5–7m), but		
ē												six pieces	s were dete	ected in t	he third		
Other															ne in the box		
													for sample 2, and record the size and for only the first item detected in sam				
<u> </u>	1	1		I	1			1		l		Joi Only C	ווב ווואנ ונפו	iii uelell	cu iii suiiipies		