



BERMAGUI BIOBLITZ SURVEY DETAILS

SURVEY NO:

Survey Title: Estuary Health Surveys	Survey Leaders:	
Scientific License required? Yes	If Yes please scan & email by March 21st	

Description of survey including method/s	<p>Objective:</p> <ol style="list-style-type: none"> 1. To assess ecosystem health and biodiversity of the estuary by assessing seagrass meadow condition and species contained within 2. To assess biodiversity and human impacts over time at the transition between mangroves and saltmarsh <p>Method description:</p> <p>CEN Seagrass Monitoring survey NSW Waterwatch Mangrove/saltmarsh survey Water Quality Methods Compilation (Sulisit, 2012)</p>		
Data Output and Format (species lists, counts, file type.??)	Excel spreadsheet		
Location/Area: (Amsg.ref. (Lat/Long) or our map grid ref.)	Estuary backwater - Mangrove site – southern site on BioBlitz survey map		
Habitat/s explored	Aquatic, mangroves and saltmarsh		
Approximate duration: Entire survey? Each survey replicate?*	Each survey is approximately 1hr	How many replicates will be undertaken between Friday 9:30am - Sat. 1:00pm ?	10 -12 quadrats in each survey of 1x50m transect
Preferred starting times	9am for Seagrass transect 10.30am for Mangrove/Saltmarsh transect		
Tide/Light dependent?	Yes	Number of Participants	Up to 10
Special equipment needed by volunteers	Shoes suitable for walking in mudflats and seagrass		
General BB Survey Recording form modifications needed?	No, we will use this form, but also our forms.		

BERMAGUI BIOBLITZ

Do you need us to provide anything for you?	No, just Owl for fish ID
Your Mobile phone number at Bioblitz	0414 08 4588
Risk assessment form completed & emailed	YES

SURVEY RISK ASSESSMENT

Your Risk Assessment needs to cover both type of **ACTIVITY** and **LOCATION**; some risks may arise from the activity, some from the location, or sometimes both. The risk details in the form following are limited to terrestrial and non-aquatic habitats. If your survey is not covered by the details below (e.g. water or rocky platforms), please add/delete additional rows as required. If you need help with this, please contact Libby Hepburn Tel: 0264 950 917 Email: libby.alanhepburn@bigpond.com

SURVEY name: Estuary health		SURVEY LEADER/S: Suzanne Gray, Allan Broadhurst & Penny Beaver	
LOCATION: Mangrove flat southern site		METHODS: CEN Seagrass Monitoring; NSW Estuary Waterwatch, Estuary Heath Assessment Compilation (Sulisit, 2012)	
POTENTIAL RISKS AND HAZARDS List control measures / precautions / protective and communication equipment that will be used to eliminate / minimise these risks to bring them to an acceptable level.			
Fieldwork Activity and Location	Risk Relevance	Risks / Hazards	Control Measures
risks associated with location eg. working outdoors	Sun Hot / Cool Weather	Sun burn Dehydration Exposure	Wear sunscreen & hat. Carry food & water. Wear appropriate clothing for the conditions.
Working outdoors and in water	Sun Hot / Cool Weather, Cold water	Sun burn Dehydration Exposure	Wear sunscreen & hat. Carry food & water. Wear appropriate clothing & footwear for the conditions.
Mangrove flats & seagrass	Walking through the bush, in water and across uneven ground	Falling or tripping	Wear suitable footwear Maintain awareness of loose or rough surfaces Inspect large obstacles before proceeding over, under or around.

BERMAGUI BIOBLITZ SURVEY DETAILS

Mangrove flats & seagrass	Snakes and other venomous creatures	Being bitten or stung	Maintain awareness of the presence of snakes and aquatic creatures at all times Avoid handling stepping on and/or antagonising snakes/aquatic creatures where observed Wear long pants OR gaiters when engaged in field work and solid shoes Carry first aid kit and compression bandage. Apply compression bandage on being bitten and seek medical assistance IMMEDIATELY.
Mangrove flats	Ticks, leeches and other insect bites	Being bitten	Remove insect and apply appropriate first aid relative to the organism to the bite Keep wound clean and covered with band-aid or bandage. Apply suitable ointments or take anti-histamine as require if bite swells and/or becomes irritated. Consult field trip First Aider or seek medical assistance as needed.
Mangrove flats & Salt marsh	Overhead obstacles	Hit by falling objects (eg. tree Limbs	Maintain awareness of the presence of overhead hazards and avoid as necessary
Risks associated with the activity			
Collecting data from live animals/plants	Handling animals and touching plants	Infection and/or Spread of Disease / bites, scratches, shell abrasion, chemical and physical plant defences/ allergy	Where appropriate, use gloves when handling animals and scats Wash hands thoroughly using good quality disinfectant soap after handling animals and scats Observe good hygiene practice including avoiding smoking or eating until washing is complete
Collecting data from non-living animal and plant material	Handling animal carcasses / hair samples / handling plant specimens	Infection and/or Spread of Disease/Allergy	Wear latex gloves (both) and use disposable face mask (study skins) as appropriate when handling animals and scats Wash hands thoroughly using good quality disinfectant soap after handling animals and scats Observe good hygiene practice including avoiding smoking or eating until washing is complete Disinfect work area when finished
Collecting water quality data	Handling chemicals and water samples	Allergic reaction, skin or eye damage	Wear latex gloves (both) and use disposable face mask (study skins) as appropriate when handling chemicals Wash hands thoroughly using good quality disinfectant soap after handling animals and scats Observe good hygiene practice including avoiding smoking or eating until washing is complete Disinfect work area when finished