Mapping your planned biodiversity activities data

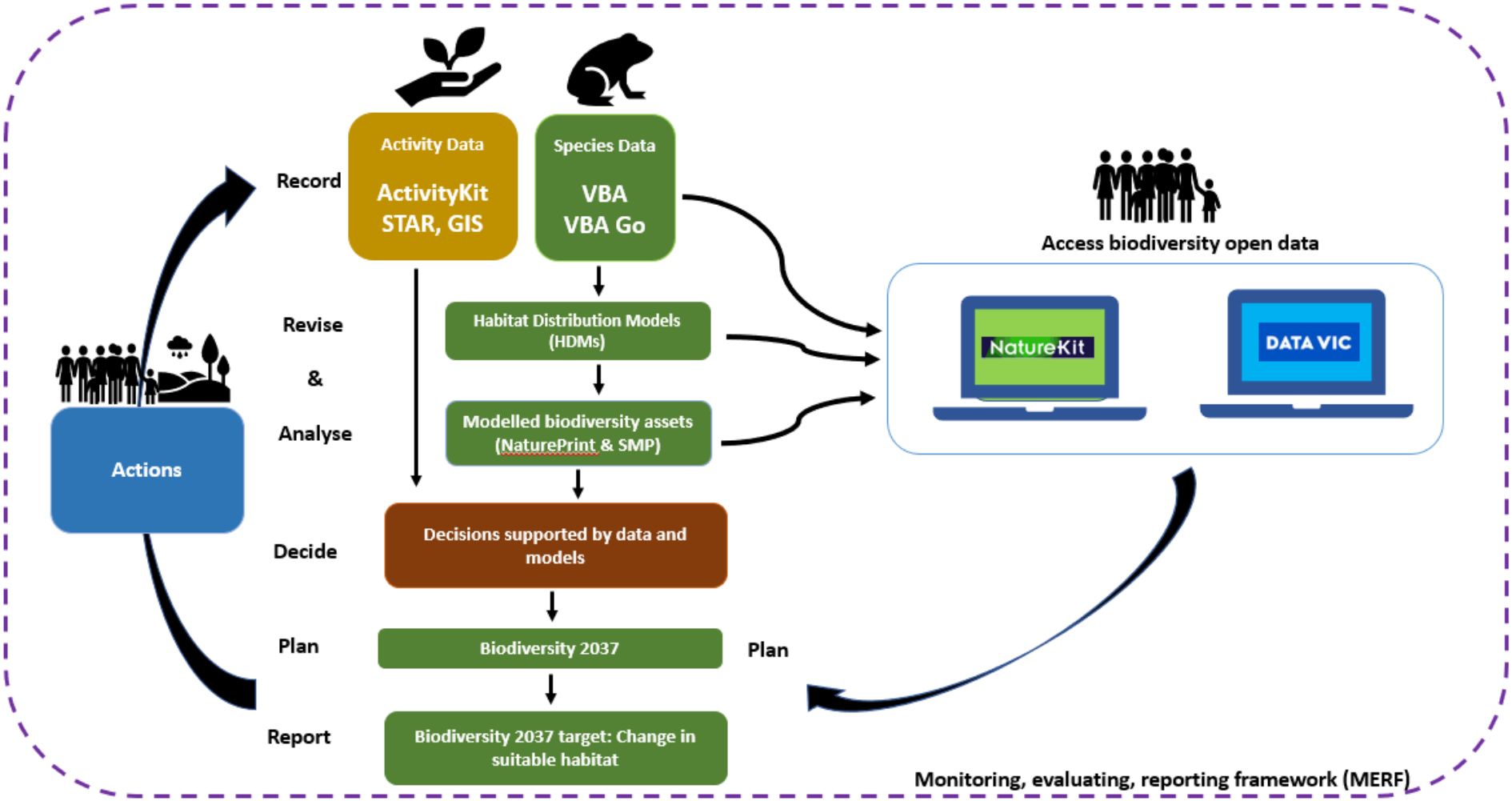
‘Icon Species Grant Application’

VICTORIA State Government | Environment, Land, Water and Planning

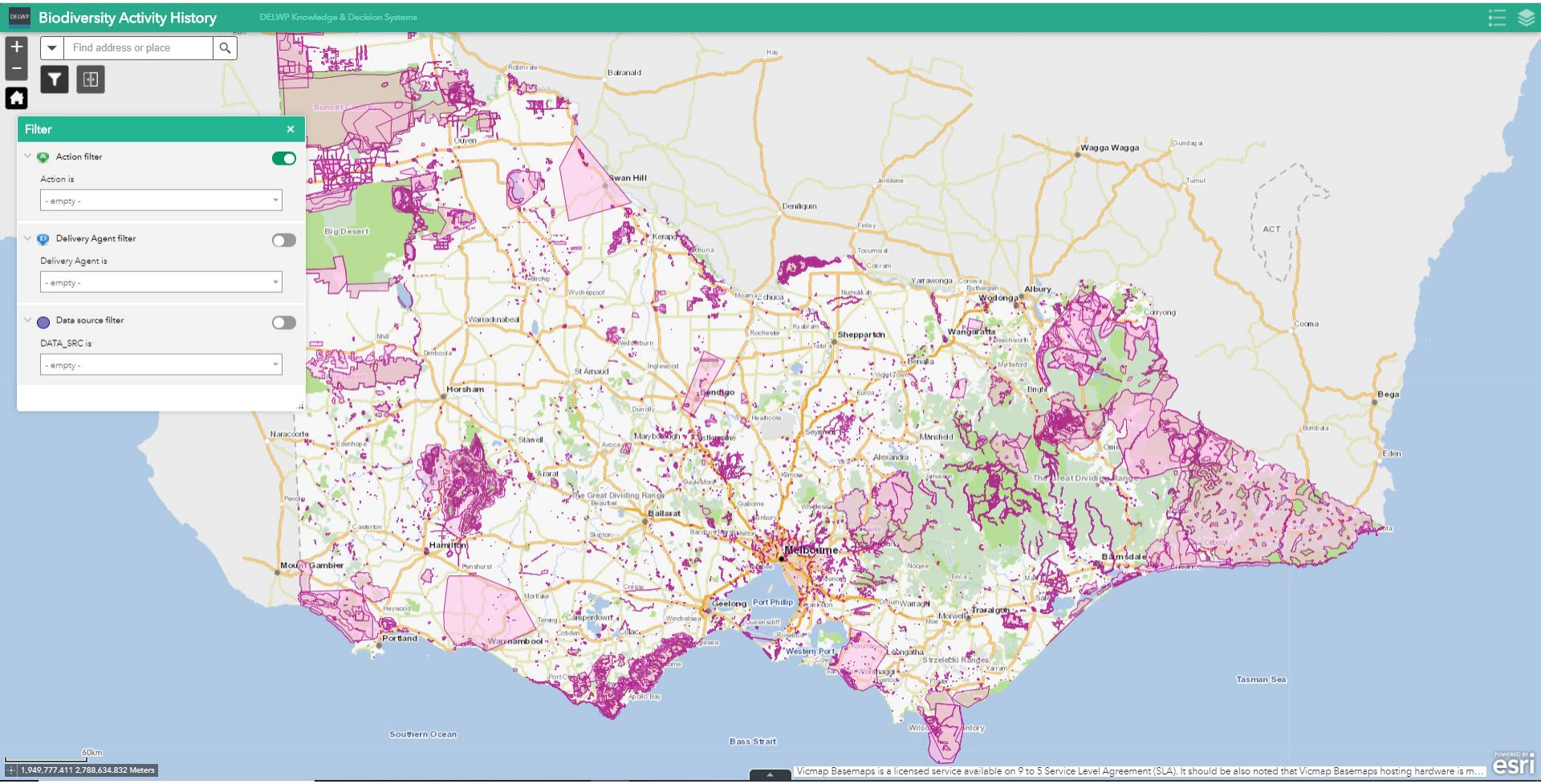
Outline

- The value of activity & species data
- Mapping standards: The spatial feature & attributes
- Where to find mapping information and shapefile templates

The value of activity and species data



Spatial reporting of biodiversity activity data



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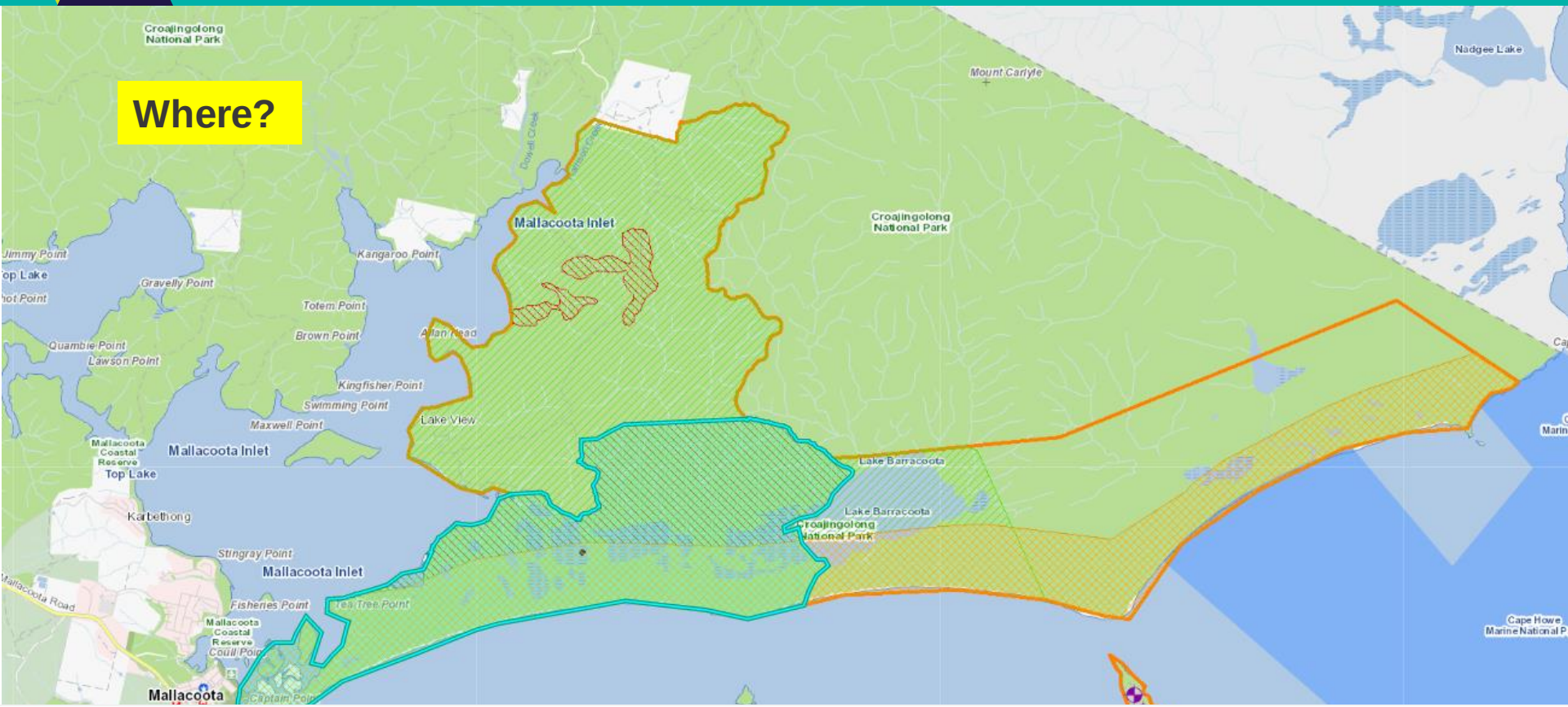
Mapping standards: The spatial feature & attributes linked to it



Table

When? What? Who? How?

1_AnimControl_Bio2037v1

Shape *	stdVersion	yearActDel	fundSource	projectID	DeliverAg	DelivAgNam	MgtOutcome	Environmnt
Polygon	Bio 2037 V1.0	2021	Biodiversity Response Planning	BRP058	Catchment Management Authority	PPW CMA	Species recovery	Terrestrial

1 (1 out of 1 Selected)

1_AnimControl_Bio2037v1

Biodiversity 2037 activity data requirements

Protecting Victoria's Environment – Biodiversity 2037

Biodiversity 2037 Activity data requirements v1.0

Many Victorians contribute to biodiversity protection and enhancement. To account for these contributions and measure progress against Biodiversity 2037 these activities are mapped along with key activity information. The Biodiversity 2037 activity data tables contain the fields and values important for understanding activities delivered for biodiversity benefit. The activity data tables cover project and activity management information; who is involved in delivery; activity delivery details such as standards of delivery, timing and frequency.

Common attributes Fields and values that must be linked to each activity feature.	Terrestrial structure Structures installed and maintained on land.
Attribute description Description of attributes (fields) that apply to all or most of the Activity tables.	Erosion control Fields and values about activities to control erosion.
Animal control Pest animal or overabundant exotic or native wildlife management.	Grazing management Changes to grazing management practices.
Weed control Weeds, overabundant or out of range native plant management.	Ecological thinning Thinning to improve structure / composition of native vegetation.
Revegetation and restoration Revegetating or restoring (often cleared) land, and marine and coastal environments.	Water Environmental or cultural water management.
Threatened species response Actions taken to manage threatened species.	Earth works Earthworks for environmental management.
Rubbish removal Fields and values about rubbish removal activities.	Research and monitoring Research and monitoring to fill knowledge gaps.
Habitat feature Artificially creating habitat for native animals.	Management agreement Agreements for the conservation of land and/or biodiversity.
Fire Fields and values about the use of fire.	Engagement event Events for engaging communities.
Fence Construction and maintenance of fences.	Partnership Fields and values about formal partnerships developed.
Monitoring structure Structures and locations for monitoring and surveillance.	Plan Plans developed to guide management.
Assessment Assessments for information gathering that may or may not lead to management actions.	Publication Key print and electronic communications materials.
Wildlife emergency response Actions taken in response to wildlife emergencies.	Program Programs delivered for biodiversity benefit.
Marine structure Structures installed and maintained in marine environments.	Campaign Large scale, active and organised behaviour change activities.
Waterway structure Structures installed and maintained in waterways.	Seed funding Funding initiatives for establishing development programs.

The Attributes

Threatened species response

Actions taken to manage threatened species.

Field (attribute)	Title	Purpose	Type	Treatment area (hectares)	Species	Species common name	No. of individuals	On ground works agent (Agent doing the work/delivery)	On ground works agent name	Total volunteer number	Total volunteer hours
shapefile field name abbr	Title	Purpose	Type	TreatmArea	Species	SppComName	NumIndivd	OnGrndAg	OnGrdAgNam	VoluntNum	VoluntHour
Valid value	Threatened species response	Restore biological community	Caging	Number	Number		Number	Contractor	Organisation name	Number	Number
		Restore individual species	Captive breeding					Landowner	Not recorded (select for contractor & Landowner)		
			Collect/ store seed or vegetative material					Traditional Owner			
			Connectivity interventions					Managing organisation staff			
			Cryobanking					Volunteers/ community group			
			Establish new population								
			Fenced-wild captive breeding								
			Genetic interventions								
			Genetic testing								
			Germplasm								
			Inoculate soil								
			Pollination								
			Propagation								
			Species introduction/ reintroduction								
			Supplementary watering/feeding								
			Wild to wild translocation.								
			Other								
Spatial feature	Point (projection must be GDA94)										

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Process to map activity data using GIS

1. Visit the Activity Data website and check the '**Provide activity data using GIS systems**' ➡ '**Provide data using shapefile templates'** section.

2. Download the Biodiversity activity data requirements shapefiles templates, download the Biodiversity 2037 Activity Data Requirements Excel file and the VBA species check-list.

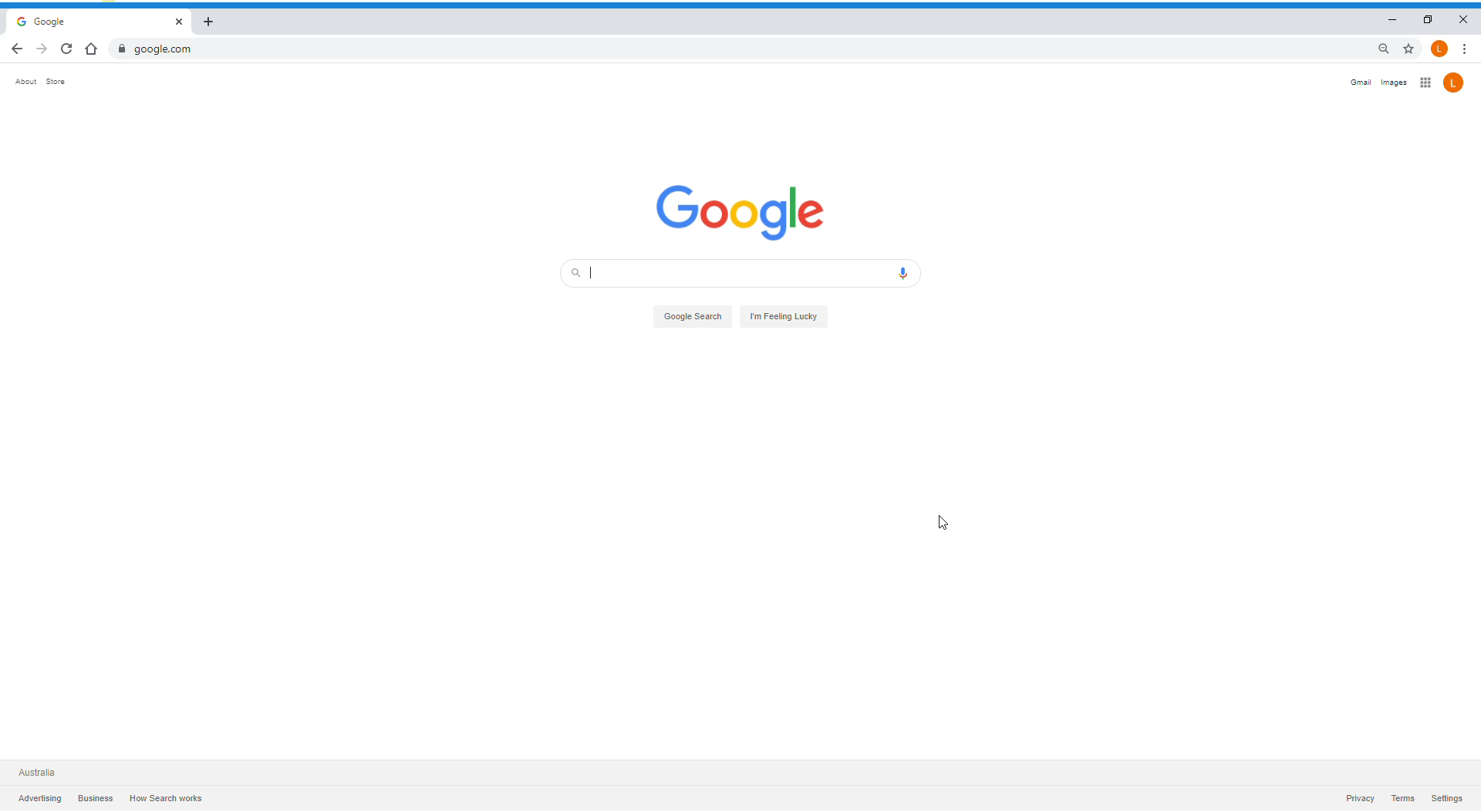
3. Select the shapefile template for the activity you need to map – There is a shapefile template for each activity. Upload shapefile template into GIS and map your activities.

4. Fill values in the attribute table using the Biodiversity 2037 Activity Data Requirements Excel file as a guide.

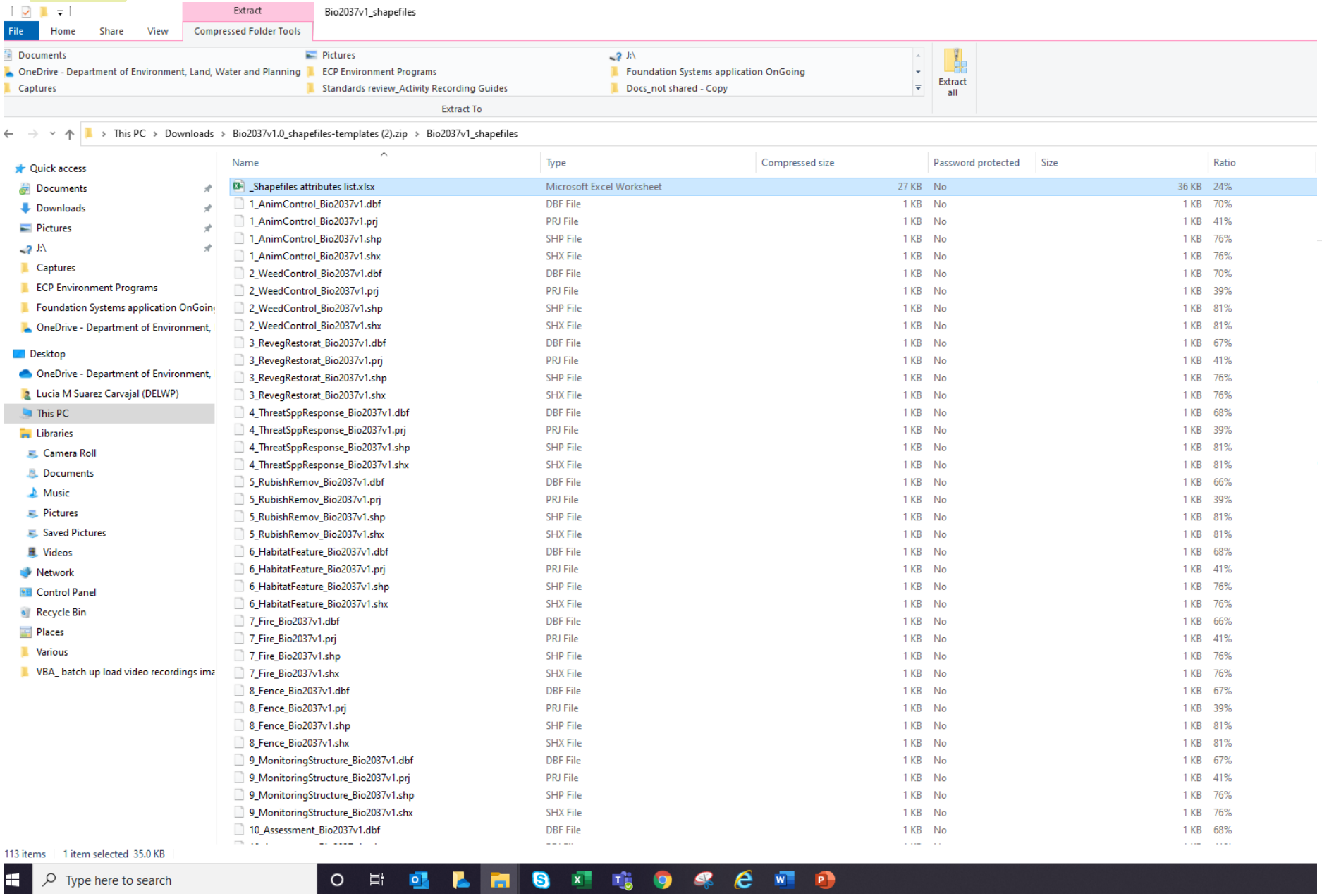
5. Once mapping is finalised, zip shapefiles and name as follows: **Grants Online application number_Project name_Date** (YYYYMMDD)

e.g. GA-F12345-6789_BAWBAWFROG _20201116.zip

DELWP Activity data webpage



Download: Shapefile templates/ activity data requirements/ VBA species check-list



Download: ‘Bio2037 activity data requirements’ Excel file

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			Other								
Spatial feature	Point (projection must be GDA94)										

VBA Species check list

	A	B	C	D	E	F
1	TAXON_ID	SCIENTIFIC_NAME	COMMON_NAME	AUTHORITY	PRIMARY_DISCIPLINE	ALL_DISCIPLINE_CODES
2	5016	Acanthogobius flavimanus	Yellowfin Goby	(Temmninck & Schlegel, 1845)	Aquatic fauna	[tf][ma][ai][af]
3	4917	Acanthopagrus australis	Yellow-fin Bream	(Günther, 1859)	Aquatic fauna	[ma][ai][af][tf]
4	4918	Acanthopagrus butcheri	Black Bream	(Munro, 1949)	Aquatic fauna	[ai][ma][tf][af]
5	5018	Afurcagobius tamarensis	Tamar Goby	(Johnston, 1883)	Aquatic fauna	[af][ai][tf]
6	4736	Alabes dorsalis	Common Shore-eel	(Richardson, 1845)	Aquatic fauna	[af]
7	4737	Alabes hoesei	Dwarf Shore-eel		Aquatic fauna	[tf][af]
8	4735	Alabes parvula	Pygmy Shore-eel	Hutchins, 2006	Aquatic fauna	[af][tf]
9	4960	Aldrichetta forsteri	Yellow-eye Mullet	(Valenciennes, 1836)	Aquatic fauna	[ma][ai][tf][af]
10	4941	Amatitlania nigrofasciatur	Convict Cichlid	(Gunther, 1867)	Aquatic fauna	[af]
11	4864	Ambassis agassizii	Agassiz's Glassfish	Steindachner, 1867	Aquatic fauna	[ai][ma][tf][af]
12	4865	Ambassis jacksoniensis	Port Jackson Glassfish	(Macleay, 1881)	Aquatic fauna	[ai][af][ma][tf]
13	903830	Amphilophus labiatus	Red Devil	(Günther, 1864)	Aquatic fauna	[af]
14	903828	Andinoacara pulcher	Blue Acara	(Gill, 1858)	Aquatic fauna	[af]
15	4651	Anguilla australis	Southern Shortfin Eel	Richardson, 1841	Aquatic fauna	[af][ai][ma][tf]
16	4652	Anguilla reinhardtii	Longfin Eel	Steindachner, 1867	Aquatic fauna	[tf][ma][af][ai]
17	50235	Anguilla spp.	Freshwater Eels	Schrank, 1798	Aquatic fauna	[af]
18	4993	Apopterygion alta	Tasselled Threefin		Aquatic fauna	[af]
19	5020	Arenigobius bifrenatus	Bridled Goby	(Kner, 1865)	Aquatic fauna	[tf][af][ma][ai]
20	5021	Arenigobius frenatus	Halfbridled Goby	(Günther, 1861)	Aquatic fauna	[ma][af][tf][ai]
21	4925	Argyrosomus japonicus	Mulloway	(Temminck & Schlegel, 1844)	Aquatic fauna	[ma][af]
22	4910	Arripis georgianus	Australian Herring	(Valenciennes, 1831)	Aquatic fauna	[af]
23	4911	Arripis trutta	Eastern Australian Salmon	(Bloch & Schneider, 1801)	Aquatic fauna	[af][ma]
24	4909	Arripis truttaceus	Western Australian Salmon	(Cuvier, 1829)	Aquatic fauna	[af][ma][ai][tf]

VBA_Species_Checklist_28052020

Upload shapefiles in a GIS, map and fill attribute table