MetaData for Seagrass GIS datasets

[Compliant with ANZLIC Guidelines, Table 1: Core Elements]

Category	Element	Detail/Comment
Dataset	**Title**	Pohnpei_seagrass_2005
	Custodian	Seagrass-Watch HQ c/o, Centre for Tropical Water & Aquatic Ecosystem Research (TropWATER), PO Box 6811, Cairns QLD 4870
	Jurisdiction	Pohnpei State, Federated States of Micronesia
Description	**Abstract**	Pohnpei Island and And Atoll seagrass meadows surveyed 26 October – 03 November 2005.
	Search Words	seagrass, micronesia, MPA
	Geographic Extent	Pohnpei Island & And Atoll; Pohnpei State; Federated States of Micronesia..
	Feature fields	Meadow boundary primarily mapped in the field by observers assessing 508 field validation points. Seagrass meadow boundaries based on the positions of survey points and the presence of seagrass, coupled with depth contours and remote sensing (e.g. aerial photography) where available. Polygons of discrete seagrass meadow boundaries created using the on-screen digitising functions of ArcGIS (ESRI Inc.). Each column header title includes the following data:

	MDW_ID	unique meadow ID
	Y_COORD	northing (meters)
	X_COORD	easting (meters)
	DATE	date meadow examined
	COVER_CAT	mean percentage (%) of the substrate covered by seagrass (all species pooled) +/- standard error (range)
	MDW_CAT	seagrass meadow landscape (e.g. patchiness) description: Isolated seagrass patches = majority of area within the meadow consists of unvegetated sediment interspersed with isolated patches of seagrass; Aggregated seagrass patches = meadow comprised of numerous seagrass patches but still features substantial gaps of unvegetated sediment within the meadow boundaries; Continuous seagrass cover = majority of area within the meadow comprised of continuous seagrass cover interspersed with a few gaps of unvegetated sediment.
	SPECIES	Description of meadow based on seagrass species present. Nomenclature used: Species A = Species A is 100% of composition; Species A with Species B = Species A is 60% of composition; Species A with Species B/Species C = Species A is 50% of composition; Species A/Species B = Species A is 50% - 60% of composition. Species are: *Cymodocea rotundata* (strap-like, smooth rounded leaf tip, continuous leaf scars around stem (www.seagrasswatch.org/id_seagrass.html#IDCR1)); *Enhalus acoroides* (strap-like leaves >30 cm long and >1 cm wide, with in-rolled edges, thick rhizome with long black bristles and cord-like roots (www.seagrasswatch.org/id_seagrass.html#IDEA1)); and *Thalassia hemprichii* (hooked/curved strap-like leaf, with red

		flecks and rounded, slightly serrated tip (www.seagrasswatch.org/id_seagrass.html#IDTH1)).
	AREA_HA	meadow area in hectares
Currency	**Origin Date**	October 2005
	Ending Date	August 2006
Status	**Progress**	Complete
	Projection	easting, northing (E,N).
	Datum	WGS84 UTM Zone 57N
	Scale	1:100
	Maintenance, Update Frequency	Complete
	Stored Data Format	ARC/INFO shapefile
	Available Format Type	Digital ARC/INFO shapefile The meadow polygon data is given in an ArcMap shapefile format and consists of six associated files: 1. Pohnpei_seagrass_2005.dbf 2. Pohnpei_seagrass_2005.prj 3. Pohnpei_seagrass_2005.sbn 4. Pohnpei_seagrass_2005.sbx 5. Pohnpei_seagrass_2005.shp 6. Pohnpei_seagrass_2005.shx Data in the *.dbf file are in a tabular format where each line corresponds to a one seagrass meadow. The columns for each line give all the associated information for the particular meadow.
	Access Contraint	Completion of Digital Data Agreement
Quality	**Lineage**	Derived primarily from visual assessment of the seabed by walking or free-diving at survey points out from the coastline. Source: McKenzie, L.J. and Rasheed, M.J. (2006). Seagrasses: Pohnpei Island and And Atoll Marine Assessment: Technical report of survey conducted 26 October – 3 November 2005. (Seagrass-Watch HQ, DPI&F, Cairns). 60pp. (http://www.seagrasswatch.org/Info_centre/Publications/Seagrasses_Pohnpei_REA.pdf)
	Positional Accuracy	A Global Positioning System (GPS) was used to accurately determine geographic location of field validation points ($\pm$5 m). Meadow boundary accuracy varied from 5m to 15m depending on field validation point density and ability to differentiate substrate on the basis of colour, texture, and the geomorphic and geographical context from remotely sensed data.
	Attribute Accuracy	Information finalised Contains pecentage cover of seagrass in a 50cmx50cm quadrat. Information finalized.

		Codes for seagrass species names are: EA = *Enhalus acoroides*, CR = *Cymodocea rotundata*, TH = *Thalassia hemprichii* updated. Meadow habitat and community types are listed in the source publication. Information finalized.
	Logical Consistency	Attributes are standardised
	Completeness	All meadows examined between 26 October – 03 November 2005 are represented. Seagrass distribution and abundance can change seasonally and between years, and users should ensure that they make appropriate enquires to determine whether new information is available on the particular subject matter.
Contact Information	**Organisation**	Seagrass-Watch HQ c/o, Centre for Tropical Water & Aquatic Ecosystem Research (TropWATER)
	Position	Len McKenzie Principal Researcher
	Address	Seagrass-Watch HQ c/o Sir Robert Norman Building (E2.203K) James Cook University, Cairns Campus 14-88 McGregor Road, Smithfield QLD 4878 AUSTRALIA
	Mail Address	PO Box 6811
	Locality	Cairns
	State	Queensland
	Country	Australia
	Postcode	Qld 4870
	Telephone	(+61) 7 4232 2012
	Facsimile	
	Email	Len.McKenzie@jcu.edu.au , hq@seagrasswatch.org
Metadata	**Metadata Date**	15.06.2005 (updated 23.11.2016)
Additional Metadata		