Description	No.	Ecological group	Biomass $t \cdot km^2$	Reference	P/B $year^{-1}$	Q/B $year^{-1}$	Reference
Marine mammals	1	Humpback whales	0.235	Blake et al. 2011	0.017	2.7	Ningaloo model
	2	Snubfin dolphin		Estimated by EwE	0.04	70	guesstimate
	3	Dolphins	0.178	Brown et al., 2013	0.04	70	Ningaloo model
	4	Dugong	0.0073	Holley and Prince 2008	0.05	0.75	Ningaloo model
Birds	5	Coastal seabirds	0.091		5.6	65	Ningaloo model
	6	River birds		Estimated by EwE	5.4	80	
	7	Migratory shorebirds	0.12		5.4	80	Gehrke 2007
High commercial species	8	Lethrinids adults	0.0064	Ningaloo model	0.49	4.6	NWS model
	9	Lethrinids juv		Estimated by EwE	0.45	7.22	NWS model
	10	Snappers		Estimated by EwE	0.38	5.33	Fish base
	11	Adult Barramundi		Estimated by EwE	1.6	5.7	GBR model
	12	Juvenile Barramundi		Estimated by EwE	1.85	7.81	Fishbase
	13	Threadfins		Estimated by EwE	0.9	4.1	GBR model (Gribble
	14	Banana prawns	0.0096	Gulf of Carpentaria model	32	19.2	Gulf of Carpentaria model
	15	Pearl oyster		Estimated by EwE	3.9	10	Gulf of Carpentaria model
predator fish	16	Pelagic sharks	0.00472	Ningaloo model	0.33	5.2	Fish absae
	17	Rays	0.09016	NWS model	0.19	2.44	NWS model
	18	Billfishes and Tunas		Estimated by EwE	0.41	7.14	NWS model
	19	Demersal sharks	0.0767	Ningaloo model	0.33	3.8	NWS model
	20	Lizardfish	0.355	NWS model	0.74	7.1	NWS model
Other fish	21	Large Reef Associated	6.63	Newman et al. 2004	0.44	23.5	Ningaloo model
	22	Small Reef Associated	7.79	Newman et al. 2004	0.52	29.05	Ningaloo model
	23	Reef Associated Pelagics	48.75	Newman et al. 2004	3.1	28.06	Ningaloo model
	24	Shallow demersal fish	65.31	Newman et al. 2004	0.78	11.63	fishbase
	25	Planktivore fish	28.56	Newman et al. 2004	2.05	10.21	fishbase
	26	Herbivorous fish	41.98	Newman et al. 2004	1.7	9.7	fishbase
	27	Estuarine fish	58.85	Newman et al. 2004	2.46	12.8	fishbase
Reptiles	28	Adult turtles	0.086	Ningaloo model	0.07	11	Ningaloo model
	29	Green sea turtles		Estimated by EwE	0.07	11	Ningaloo model
	30	Turtle hatchlings	1.423	Ningaloo model	0.12	17.77	Ningaloo model
	31	Sea snakes	0.0014	Gulf of Carpentaria model	0.46	6.3	Gulf of Carpentaria model
	32	Adult crocodile	0.0205	Fukuda et al. 2007	0.1	5.7	Gehrke 2007
	33	Juveniles crocodiles	0.0674	Fukuda et al. 2007	0.018	13.3	DEC 2009
Invasive species	34	Cane toad		Estimated by EwE	2	20	Pine and Kwak 2007
	35	Hard coral	0.0426	Fry et al., 2008.	0.12	12	Ningaloo model
Corals	36	Soft coral		Estimated by EwE	0.9	27.89	Ningaloo model
Other invertebrates	37	Squids	0.04	Fry et al., 2008.	4.59	17.55	NWS model
	38	Octopus	0.41	Fry et al., 2008.	3.5	12.5	Jurien model
	39	Lobster	0.012	Gulf of Carpentaria model	0.9	7.4	Jurien model
	40	Other prawns	0.18	Gulf of Carpentaria model	3.2	19.2	Gulf of Carpentaria model
	41	Shells	0.36	Fry et al., 2008.	3.9	10	Ningaloo model
	42	Mud crab	0.00285	Gulf of Carpentaria model	2.8	10.95	Gulf of Carpentaria model
	43	Crabs	0.11	Fry et al., 2008.	3.1	20	Gulf of Carpentaria model
	44	Sea cucumbers	0.21	Fry et al., 2008.	0.6	2.07	Gulf of Carpentaria model
	45	Echinoderms	9.38	Fromont 2004; Fry et al., 2008.	1.5	6	Ningaloo model
	46	Sponges	37.26	Fromont 2004; Fry et al., 2008.	0.189	30.21	Gulf of Carpentaria model
	47	Epibenthos	0.49	Fromont 2004; Fry et al., 2008.	2.9	10	Gulf of Carpentaria model
Nekton	48	Salps & Jellyfish		Estimated by EwE	20	40	NWS model
	49	Zooplankton	89.18	Hollyday et el. 2011	40	80	NWS model
Primary producers	50	Phytoplankton	43.24	Blondeau-Patisser et al. 2011	75		NWS model
	51	Macrophytes	1.92	Fry et al., 2008.	24		NWS model
	52	Seagrass	0.18	Fry et al., 2008.	8.3		Gulf of Carpentaria model
	53	Mangroves		Estimated by EwE	0.02		
Detritus	54	Detritus					

Data source

	Sampling based on the Kimberley
	Sampling based out of the Pilbara
	Approximate or indirect method
	From other model
	Estimated by Ecopath
	Guesstimate

Mud crab added
check shark biomass
insert other prawns
threadfins

Data origin for each of the main input parameters of the Ecopath model, Biomass (B), production (P/B), consumption (Q/B), diet and catch of the Kimberley ecosystem model constructed with Ecopath with Ecosim. The key criterion used here is that input from local data (colour red) as a rule is better than data from elsewhere or derived from empirical relationships or derived from other Ecopath models. This work will allow us (still in progress) to have an explicit consideration of uncertainties in the inputs.