

Table S1- Summarised list of species, number of specimens and frequency of sighting.

Order	Family (as per WoRMS)	Species Name	Author	Nudi Ledge		Mooloolah River	
				No. of Specimens	% of surveys	No. of Specimens	% of surveys
Acteonoidea#	Aplustridae	<i>Bullina lineata</i>	(Gray, 1825)	-	-	1	1
Acteonoidea#	Aplustridae	<i>Hydatina physis</i>	(Linnaeus, 1758)	-	-	24	8
Aplysiida	Aplysiidae	<i>Aplysia parvula</i> (now determined to be a species complex)	Mörch, 1863	6	10	-	-
Aplysiida	Aplysiidae	<i>Dolabella auricularia</i>	(Lightfoot, 1786)	-	-	3	1
Aplysiida	Aplysiidae	<i>Petalifera</i> sp.1	undescribed	-	-	4	2
Aplysiida	Aplysiidae	<i>Phyllaplysia</i> sp. 1	undescribed	-	-	7	2
Aplysiida	Aplysiidae	<i>Phyllaplysia</i> sp. 2	undescribed	-	-	6	2
Aplysiida	Aplysiidae	<i>Phyllaplysia</i> sp. 3	undescribed	-	-	1	1
Aplysiida	Aplysiidae	<i>Stylocheilus striatus</i>	(Quoy & Gaimard, 1832)	-	-	1	1
Cephalaspidea	Aglajidae	<i>Biuve fulvipunctata</i>	(Baba, 1938)	4	2	26	11
Cephalaspidea	Aglajidae	<i>Chelidonura amoena</i>	Bergh, 1905	1	2	-	-
Cephalaspidea	Aglajidae	<i>Chelidonura electra</i>	Rudman, 1970	1	2	-	-
Cephalaspidea	Aglajidae	<i>Chelidonura</i> sp. 1	undescribed	-	-	1	1
Cephalaspidea	Aglajidae	<i>Mariaglaja inornata</i>	(Baba, 1949)	48	44	-	-
Cephalaspidea	Aglajidae	<i>Melanochlamys queritor</i>	(Burn, 1957)	-	-	1	1
Cephalaspidea	Aglajidae	<i>Niparaya</i> sp. 1	undescribed	-	-	3	2
Cephalaspidea	Aglajidae	<i>Niparaya</i> sp. 2	undescribed	-	-	2	1
Cephalaspidea	Aglajidae	<i>Niparaya</i> sp. 3	undescribed	-	-	2	1
Cephalaspidea	Aglajidae	<i>Niparaya</i> sp. 4	undescribed	-	-	3	2
Cephalaspidea	Aglajidae	<i>Philinopsis speciosa</i>	Pease, 1860	1	2	23	6
Cephalaspidea	Aglajidae	<i>Philinopsis taronga</i>	(Allan, 1933)	-	-	1	1
Cephalaspidea	Aglajidae	<i>Spinoaglaja orientalis</i>	(Baba, 1949)	-	-	10	4
Cephalaspidea	Aglajidae	<i>Spinophallus falciphallus</i>	(Gosliner, 2011)	1	2	40	14
Cephalaspidea	Aglajidae	<i>Tubulophilinopsis gardineri</i>	(Eliot, 1903)	-	-	7	4
Cephalaspidea	Aglajidae	<i>Tubulophilinopsis lineolata</i>	(H. Adams & A. Adams, 1854)	1	2	5	3
Cephalaspidea	Aglajidae	<i>Tubulophilinopsis pilsbryi</i>	(Eliot, 1900)	-	-	16	7
Cephalaspidea	Aglajidae	<i>Tubulophilinopsis reticulata</i>	(Eliot, 1903)	-	-	1	1
Cephalaspidea	Bullidae	<i>Bulla vernicosa</i>	Gould, 1859	-	-	3	2
Cephalaspidea	Bullidae	<i>Tornatina (Acteocina)</i> sp. 1	undescribed	-	-	1	1
Cephalaspidea	Colinatydidae	<i>Colinatys</i> sp. 1	undescribed	-	-	2	1
Cephalaspidea	Colinatydidae	<i>Colinatys</i> sp. 2	undescribed	-	-	1	1
Cephalaspidea	Colpodaspididae	<i>Colpodaspis</i> sp. 1	undescribed	-	-	2	1
Cephalaspidea	Colpodaspididae	<i>Colpodaspis thompsoni</i>	G.H.Brown, 1979	3	7	-	-
Cephalaspidea	Gastropteridae	<i>Sagaminopteron ornatum</i>	Tokioka & Baba, 1964	272	93	-	-

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Cephalaspidea	Gastropteridae	<i>Sagaminopteron psychedelicum</i>	Carlson & Hoff, 1974	1	2	-	-
Cephalaspidea	Gastropteridae	<i>Siphopteron makisig</i>	Ong & Gosliner, 2017	-	-	2	1
Cephalaspidea	Gastropteridae	<i>Siphopteron</i> sp. 1	undescribed	-	-	1	1
Cephalaspidea	Gastropteridae	<i>Siphopteron</i> sp. 2	undescribed	-	-	1	1
Cephalaspidea	Gastropteridae	<i>Siphopteron</i> sp. 4	undescribed	-	-	2	1
Cephalaspidea	Haminoeidae	<i>Atys semistriata</i>	Pease, 1860	8	2	42	9
Cephalaspidea	Haminoeidae	<i>Atys</i> sp. 5	undescribed	1	2	-	-
Cephalaspidea	Haminoeidae	<i>Haloa</i> sp. 11	undescribed	-	-	1	1
Cephalaspidea	Haminoeidae	<i>Haloa</i> sp. 4	undescribed	1	2	-	-
Cephalaspidea	Haminoeidae	<i>Haloa</i> sp. 9	undescribed	-	-	3	1
Cephalaspidea	Haminoeidae	<i>Liloa</i> sp. 2	undescribed	-	-	2	1
Cephalaspidea	Mnestiidae	<i>Mnestia</i> sp. 1	undescribed	-	-	1	1
Cephalaspidea	Retusidae	<i>Retusa</i> sp. 5	undescribed	-	-	1	1
Nudibranchia	Abronicidae	<i>Abronica purpureoanulata</i>	(Baba, 1961)	-	-	1	1
Nudibranchia	Abronicidae	<i>Abronica</i> sp. 1	undescribed	1	2	-	-
Nudibranchia	Actinocyclusidae	<i>Hallaxa iju</i>	Gosliner & S. Johnson, 1994	-	-	3	2
Nudibranchia	Aegiridae	<i>Aegires citrinus</i>	Pruvot-Fol, 1930	4	7	-	-
Nudibranchia	Aegiridae	<i>Aegires flores</i>	Fahey & Gosliner, 2004	12	17	-	-
Nudibranchia	Aegiridae	<i>Aegires villosus</i>	Farran, 1905	2	5	1	1
Nudibranchia	Aegiridae	<i>Notodoris gardineri</i>	Eliot, 1906	7	12	-	-
Nudibranchia	Aeolidiidae	<i>Anteaeolidiella cacaotica</i>	(Stimpson, 1855)	-	-	5	2
Nudibranchia	Aeolidiidae	<i>Anteaeolidiella lurana</i>	(Ev. Marcus & Er. Marcus, 1967)	-	-	1	1
Nudibranchia	Aeolidiidae	<i>Bulbaeolidia alba</i>	(Risbec, 1928)	11	27	117	31
Nudibranchia	Aeolidiidae	<i>Cerberilla ambonensis</i>	Bergh, 1905	-	-	5	1
Nudibranchia	Aeolidiidae	<i>Spurilla braziliana</i>	MacFarland, 1909	-	-	8	4
Nudibranchia	Arminidae	<i>Dermatobranchus cf. dendronephthyphagus</i>		-	-	1	1
Nudibranchia	Arminidae	<i>Dermatobranchus funiculis</i>	Gosliner & Fahey, 2011	-	-	6	2
Nudibranchia	Arminidae	<i>Dermatobranchus oculus</i>	Gosliner & Fahey, 2011	31	34	12	5
Nudibranchia	Arminidae	<i>Dermatobranchus ornatus</i>	(Bergh, 1874)	234	78	-	-
Nudibranchia	Arminidae	<i>Dermatobranchus rodmani</i>	Gosliner & Fahey, 2011	20	24	-	-
Nudibranchia	Arminidae	<i>Dermatobranchus</i> sp. 6	undescribed	-	-	17	4
Nudibranchia	Arminidae	<i>Dermatobranchus</i> sp. 7	undescribed	134	54	81	15
Nudibranchia	Arminidae	<i>Dermatobranchus</i> sp. 8	undescribed	2	2	-	-
Nudibranchia	Arminidae	<i>Dermatobranchus tuberculatus</i>	Gosliner & Fahey, 2011	2	5	-	-

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Nudibranchia	Bornellidae	<i>Bornella anguilla</i>	S. Johnson, 1984	144	78	2	1
Nudibranchia	Chromodorididae	<i>Ardeadoris angustolutea</i>	(Rudman, 1990)	3	7	-	-
Nudibranchia	Chromodorididae	<i>Ardeadoris averni</i>	(Rudman, 1985)	20	27	-	-
Nudibranchia	Chromodorididae	<i>Ardeadoris rubroannulata</i>	(Rudman, 1986)	9	20	-	-
Nudibranchia	Chromodorididae	<i>Cadlinella ornatissima</i>	(Risbec, 1928)	12	22	-	-
Nudibranchia	Chromodorididae	<i>Ceratosoma tenue</i>	Abraham, 1876	2	5	1	1
Nudibranchia	Chromodorididae	<i>Chromodoris elisabethina</i>	Bergh, 1877	54	41	-	-
Nudibranchia	Chromodorididae	<i>Chromodoris kuiteri</i>	Rudman, 1982	178	78	-	-
Nudibranchia	Chromodorididae	<i>Chromodoris lochi</i>	Rudman, 1982	5	7	-	-
Nudibranchia	Chromodorididae	<i>Chromodoris</i> sp.3	undescribed	7	5	-	-
Nudibranchia	Chromodorididae	<i>Chromodoris</i> sp.5 was <i>C.striatella</i>	undescribed	14	20	1	1
Nudibranchia	Chromodorididae	<i>Chromodoris strigata</i>	Rudman, 1982	1	2	-	-
Nudibranchia	Chromodorididae	<i>Diversidoris aurantionodulosa</i>	Rudman, 1987	1	2	1	1
Nudibranchia	Chromodorididae	<i>Diversidoris crocea</i>	(Rudman, 1986)	5	10	-	-
Nudibranchia	Chromodorididae	<i>Diversidoris flava</i>	(Eliot, 1904)	5	12	-	-
Nudibranchia	Chromodorididae	<i>Diversidoris</i> sp.1	undescribed	-	-	1	1
Nudibranchia	Chromodorididae	<i>Doriprismatica atromarginata</i>	(Cuvier, 1804)	938	100	-	-
Nudibranchia	Chromodorididae	<i>Glossodoris hikuereensis</i>	(Pruvot-Fol, 1954)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Glossodoris rufomarginata</i>	(Bergh, 1890)	106	59	-	-
Nudibranchia	Chromodorididae	<i>Glossodoris</i> sp.3	undescribed	3	5	-	-
Nudibranchia	Chromodorididae	<i>Glossodoris</i> sp.5	undescribed	2	5	-	-
Nudibranchia	Chromodorididae	<i>Glossodoris vespa</i>	Rudman, 1990	64	59	-	-
Nudibranchia	Chromodorididae	<i>Goniobranchus albonares</i>	(Rudman, 1990)	4	7	3	2
Nudibranchia	Chromodorididae	<i>Goniobranchus albopunctatus</i>	Garrett, 1879	4	10	-	-
Nudibranchia	Chromodorididae	<i>Goniobranchus aureopurpureus</i>	(Collingwood, 1881)	-	-	66	25
Nudibranchia	Chromodorididae	<i>Goniobranchus coi</i>	(Risbec, 1956)	2	5	-	-
Nudibranchia	Chromodorididae	<i>Goniobranchus collingwoodi</i>	(Rudman, 1987)	11	20	34	14
Nudibranchia	Chromodorididae	<i>Goniobranchus daphne</i>	(Angas, 1864)	37	29	1124	83
Nudibranchia	Chromodorididae	<i>Goniobranchus decorus</i>	(Pease, 1860)	9	15	123	33
Nudibranchia	Chromodorididae	<i>Goniobranchus geometricus</i>	(Risbec, 1928)	18	27	25	13
Nudibranchia	Chromodorididae	<i>Goniobranchus kuniei</i>	(Pruvot-Fol, 1930)	8	12	-	-
Nudibranchia	Chromodorididae	<i>Goniobranchus rufomaculatus</i>	(Pease, 1871)	-	-	1	1
Nudibranchia	Chromodorididae	<i>Goniobranchus</i> sp.4	undescribed	5	12	-	-
Nudibranchia	Chromodorididae	<i>Goniobranchus</i> sp.5	undescribed	1	2	1	1

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Nudibranchia	Chromodorididae	<i>Goniobranchus</i> sp.6	undescribed	21	41	52	16
Nudibranchia	Chromodorididae	<i>Goniobranchus splendidus</i>	(Angas, 1864)	121	68	39	15
Nudibranchia	Chromodorididae	<i>Goniobranchus tinctorius</i>	(Rüppell & Leuckart, 1830)	2	5	-	-
Nudibranchia	Chromodorididae	<i>Goniobranchus verrieri</i>	(Crosse, 1875)	7	15	25	8
Nudibranchia	Chromodorididae	<i>Hypselodoris apolegma</i>	(Yonow, 2001)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Hypselodoris bullockii</i>	(Collingwood, 1881)	20	32	-	-
Nudibranchia	Chromodorididae	<i>Hypselodoris imperialis</i>	(Pease, 1860)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Hypselodoris lacuna</i>	Gosliner & R. F. Johnson, 2018	3	7	-	-
Nudibranchia	Chromodorididae	<i>Hypselodoris maritima</i>	(Baba, 1949)	22	34	-	-
Nudibranchia	Chromodorididae	<i>Hypselodoris melanesica</i>	Gosliner & R. F. Johnson, 2018	2	5	-	-
Nudibranchia	Chromodorididae	<i>Hypselodoris obscura</i>	(Stimpson, 1855)	60	46	891	90
Nudibranchia	Chromodorididae	<i>Hypselodoris roo</i>	Gosliner & R. F. Johnson, 2018	-	-	6	4
Nudibranchia	Chromodorididae	<i>Hypselodoris sagamiensis</i>	(Baba, 1949)	20	37	-	-
Nudibranchia	Chromodorididae	<i>Hypselodoris</i> sp.8	undescribed	-	-	1	1
Nudibranchia	Chromodorididae	<i>Hypselodoris tryoni</i>	(Garrett, 1873)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Hypselodoris whitei</i>	(A. Adams & Reeve, 1850)	3	5	8	3
Nudibranchia	Chromodorididae	<i>Hypselodoris zephyra</i>	Gosliner & R. F. Johnson, 1999	-	-	10	5
Nudibranchia	Chromodorididae	<i>Mexichromis aurora</i>	(R.F. Johnson & Gosliner, 1998)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Mexichromis cf multituberculata</i>		-	-	3	1
Nudibranchia	Chromodorididae	<i>Mexichromis festiva</i>	(Angas, 1864)	4	10	-	-
Nudibranchia	Chromodorididae	<i>Mexichromis mariei</i>	(Crosse, 1872)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Mexichromis pusilla</i>	(Bergh, 1874)	2	5	-	-
Nudibranchia	Chromodorididae	<i>Miamira magnifica</i>	Eliot, 1910	1	2	-	-
Nudibranchia	Chromodorididae	<i>Miamira moloch</i>	(Rudman, 1988)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Miamira sinuata</i>	(van Hasselt, 1824)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Thorunna daniellae</i>	(Kay & Young, 1969)	2	5	-	-
Nudibranchia	Chromodorididae	<i>Thorunna florens</i>	(Baba, 1949)	1	2	-	-
Nudibranchia	Chromodorididae	<i>Verconia alboannulata</i>	(Rudman, 1986)	2	5	-	-
Nudibranchia	Chromodorididae	<i>Verconia decussata</i>	(Risbec, 1928)	2	5	-	-
Nudibranchia	Chromodorididae	<i>Verconia haliclona</i>	(Burn, 1957)	3	7	-	-
Nudibranchia	Chromodorididae	<i>Verconia laboutei</i>	(Rudman, 1986)	3	7	-	-
Nudibranchia	Chromodorididae	<i>Verconia norba</i>	(Er. Marcus & Ev. Marcus, 1970)	9	20	-	-
Nudibranchia	Chromodorididae	<i>Verconia romeri</i>	(Risbec, 1928)	4	10	2	1
Nudibranchia	Chromodorididae	<i>Verconia simplex</i>	(Pease, 1871)	12	27	31	14

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Nudibranchia	Chromodorididae	<i>Verconia</i> sp. 2	undescribed	3	7	-	-
Nudibranchia	Cuthonidae	<i>Cuthona puellula</i>	(Baba, 1955)	1	2	14	7
Nudibranchia	Dendrodorididae	<i>Dendrodoris arborescens</i>	(Collingwood, 1881)	-	-	12	4
Nudibranchia	Dendrodorididae	<i>Dendrodoris atromaculata</i>	(Alder & Hancock, 1864)	-	-	3	2
Nudibranchia	Dendrodorididae	<i>Dendrodoris fumata</i>	(Rüppell & Leuckart, 1830)	-	-	10	5
Nudibranchia	Dendrodorididae	<i>Dendrodoris krusensternii (denisoni)</i>	(Gray, 1850)	-	-	9	5
Nudibranchia	Dendrodorididae	<i>Dendrodoris nigra</i>	(Stimpson, 1855)	-	-	11	6
Nudibranchia	Discodorididae	<i>Atagema</i> sp. 3	undescribed	-	-	1	1
Nudibranchia	Discodorididae	<i>Atagema spongiosa</i>	(Kelaart, 1858)	-	-	1	1
Nudibranchia	Discodorididae	<i>Carminodoris nodulosa</i>	(Angas, 1864)	3	7	17	7
Nudibranchia	Discodorididae	<i>Carminodoris</i> sp. 3	undescribed	-	-	2	1
Nudibranchia	Discodorididae	<i>Discodoris cebuensis</i>	Bergh, 1877	1	2	2	1
Nudibranchia	Discodorididae	<i>Discodoris coerulescens</i>	Bergh, 1888	-	-	1	1
Nudibranchia	Discodorididae	<i>Discodoris lilacina</i>	(Gould, 1852)	-	-	10	4
Nudibranchia	Discodorididae	<i>Discodoris</i> sp. 1	undescribed	-	-	2	1
Nudibranchia	Discodorididae	<i>Discodoris</i> sp. 5	undescribed	-	-	1	1
Nudibranchia	Discodorididae	<i>Discodoris</i> sp. 6	undescribed	-	-	1	1
Nudibranchia	Discodorididae	<i>Discodoris</i> sp. 7	undescribed	-	-	1	1
Nudibranchia	Discodorididae	<i>Halgerda aurantiomaculata</i>	(Allan, 1932)	2	5	-	-
Nudibranchia	Discodorididae	<i>Jorunna parva</i>	(Baba, 1938)	8	12	8	4
Nudibranchia	Discodorididae	<i>Jorunna ramicola</i>	M.C. Miller, 1996	-	-	4	1
Nudibranchia	Discodorididae	<i>Jorunna</i> sp. 2	undescribed	-	-	2	1
Nudibranchia	Discodorididae	<i>Jorunna</i> sp. 3	undescribed	17	27	9	4
Nudibranchia	Discodorididae	<i>Jorunna</i> sp. 6	undescribed	-	-	7	1
Nudibranchia	Discodorididae	<i>Jorunna</i> sp. 8	undescribed	2	2	-	-
Nudibranchia	Discodorididae	<i>Platydoris elliotti</i>	(Alder & Hancock, 1864)	-	-	2	1
Nudibranchia	Discodorididae	<i>Platydoris</i> sp. 1	undescribed	-	-	1	1
Nudibranchia	Discodorididae	<i>Rostanga arbutus</i>	(Angas, 1864)	-	-	3	2
Nudibranchia	Discodorididae	<i>Rostanga bifurcata</i>	Rudman & Avern, 1989	-	-	1	1
Nudibranchia	Discodorididae	<i>Rostanga craufordi</i>	(Burn, 1969)	-	-	2	1
Nudibranchia	Discodorididae	<i>Rostanga</i> sp. 1	undescribed	-	-	9	5
Nudibranchia	Discodorididae	<i>Sclerodoris apiculata</i>	(Alder & Hancock, 1864)	-	-	1	1
Nudibranchia	Discodorididae	<i>Sclerodoris</i> sp. 10	undescribed	-	-	1	1
Nudibranchia	Discodorididae	<i>Sclerodoris</i> sp. 9	undescribed	-	-	1	1

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Nudibranchia	Discodorididae	<i>Sebadoris fragilis</i>	(Alder & Hancock, 1864)	-	-	12	4
Nudibranchia	Discodorididae	<i>Thordisa albomacula</i>	Chan & Gosliner, 2007	-	-	2	1
Nudibranchia	Discodorididae	<i>Thordisa tahala</i>	Chan & Gosliner, 2007	-	-	4	1
Nudibranchia	Discodorididae	<i>Thordisa villosa</i>	(Alder & Hancock, 1864)	-	-	1	1
Nudibranchia	Dorididae	<i>Doris immonda</i>	Risbec, 1928	-	-	1	1
Nudibranchia	Dotidae	<i>Doto</i> sp.3	undescribed	-	-	60	11
Nudibranchia	Dotidae	<i>Doto</i> sp.4	undescribed	-	-	13	2
Nudibranchia	Dotidae	<i>Doto</i> sp.5	undescribed	1	2	1	1
Nudibranchia	Dotidae	<i>Doto</i> sp.6	undescribed	-	-	21	2
Nudibranchia	Eubranichidae	<i>Eubranichus inabai</i>	Baba, 1964	-	-	1	1
Nudibranchia	Eubranichidae	<i>Eubranichus</i> sp.10	undescribed	-	-	93	17
Nudibranchia	Eubranichidae	<i>Eubranichus</i> sp.11	undescribed	1	2	-	-
Nudibranchia	Eubranichidae	<i>Eubranichus</i> sp.13	undescribed	-	-	18	4
Nudibranchia	Eubranichidae	<i>Eubranichus</i> sp.14	undescribed	-	-	1	1
Nudibranchia	Eubranichidae	<i>Eubranichus</i> sp.3	undescribed	2	5	7	3
Nudibranchia	Eubranichidae	<i>Eubranichus</i> sp.6	undescribed	1	2	-	-
Nudibranchia	Eubranichidae	<i>Eubranichus</i> sp.7	undescribed	1	2	-	-
Nudibranchia	Facelinidae	<i>Austraeolis ornata</i>	(Angas, 1864)	-	-	1	1
Nudibranchia	Facelinidae	<i>Cratena lineata</i>	(Eliot, 1905)	24	32	368	38
Nudibranchia	Facelinidae	<i>Cratena simba</i>	Edmunds, 1970	14	22	38	17
Nudibranchia	Facelinidae	<i>Cratena</i> sp.3	undescribed	-	-	4	2
Nudibranchia	Facelinidae	<i>Cratena</i> sp.4	undescribed	-	-	1	1
Nudibranchia	Facelinidae	<i>Cratena</i> sp.5	undescribed	-	-	3	1
Nudibranchia	Facelinidae	<i>Cratena</i> sp.6	undescribed	-	-	1	1
Nudibranchia	Facelinidae	<i>Facelina</i> sp.10	undescribed	-	-	1	1
Nudibranchia	Facelinidae	<i>Facelina</i> sp.11	undescribed	-	-	23	5
Nudibranchia	Facelinidae	<i>Facelina</i> sp.12	undescribed	-	-	2	1
Nudibranchia	Facelinidae	<i>Facelina</i> sp.3	undescribed	1	2	19	8
Nudibranchia	Facelinidae	<i>Facelina</i> sp.4	undescribed	-	-	1	1
Nudibranchia	Facelinidae	<i>Facelina</i> sp.6	undescribed	2	5	-	-
Nudibranchia	Facelinidae	<i>Facelina</i> sp.7	undescribed	-	-	3	2
Nudibranchia	Facelinidae	<i>Facelina</i> sp.8	undescribed	-	-	25	7
Nudibranchia	Facelinidae	<i>Facelina</i> sp.9	undescribed	-	-	1	1
Nudibranchia	Facelinidae	<i>Favorinus</i> sp.1	undescribed	1	2	23	6

Table S1- Summarised list of species, number of specimens and frequency of sighting.

Order	Family (as per WoRMS)	Species Name	Author	Nudi Ledge		Mooloolah River	
				No. of Specimens	% of surveys	No. of Specimens	% of surveys
Nudibranchia	Facelinidae	<i>Favorinus</i> sp.3	undescribed	-	-	1	1
Nudibranchia	Facelinidae	<i>Favorinus tsuruganus</i>	Baba & Abe, 1964	-	-	3	1
Nudibranchia	Facelinidae	<i>Myja longicornis</i>	Bergh, 1896	-	-	13	5
Nudibranchia	Facelinidae	<i>Noumeaella</i> sp.1	undescribed	-	-	4	2
Nudibranchia	Facelinidae	<i>Noumeaella</i> sp.2	undescribed	-	-	2	1
Nudibranchia	Facelinidae	<i>Phidiana bourailli</i>	(Risbec, 1928)	-	-	59	19
Nudibranchia	Facelinidae	<i>Pruvotfolia</i> sp.1	undescribed	-	-	4	2
Nudibranchia	Facelinidae	<i>Pteraeolidia semperi</i>	(Bergh, 1870)	146	85	1559	82
Nudibranchia	Facelinidae	<i>Sakuraeolis nungunoides</i>	Rudman, 1980	-	-	90	11
Nudibranchia	Flabellinidae	<i>Coryphellina exoptata</i>	(Gosliner & Willan, 1991)	5	10	3	2
Nudibranchia	Flabellinidae	<i>Coryphellina rubrolineata</i>	O'Donoghue, 1929	34	41	904	61
Nudibranchia	Flabellinidae	<i>Flabellina</i> sp.2	undescribed	1	2	-	-
Nudibranchia	Flabellinidae	<i>Flabellina</i> sp.3	undescribed	-	-	3	2
Nudibranchia	Flabellinidae	<i>Flabellina</i> sp.4	undescribed	-	-	18	5
Nudibranchia	Goniodorididae	<i>Goniodoridella savignyi</i>	Pruvot-Fol, 1933	21	37	313	35
Nudibranchia	Goniodorididae	<i>Goniodoridella</i> sp.1	undescribed	-	-	1743	82
Nudibranchia	Goniodorididae	<i>Goniodoridella</i> sp.3	undescribed	-	-	11	5
Nudibranchia	Goniodorididae	<i>Goniodoridella</i> sp.4	undescribed	-	-	3	2
Nudibranchia	Goniodorididae	<i>Goniodoridella</i> sp.5	undescribed	-	-	18	7
Nudibranchia	Goniodorididae	<i>Goniodoridella</i> sp.6	undescribed	-	-	5	3
Nudibranchia	Goniodorididae	<i>Goniodoridella</i> sp.7	undescribed	-	-	10	2
Nudibranchia	Goniodorididae	<i>Goniodoris joubini</i>	Risbec, 1928	2	5	-	-
Nudibranchia	Goniodorididae	<i>Goniodoris</i> sp.2	undescribed	-	-	1	1
Nudibranchia	Goniodorididae	<i>Goniodoris</i> sp.4	undescribed	-	-	2	1
Nudibranchia	Goniodorididae	<i>Okenia hallucigenia</i>	Rudman, 2004	12	2	-	-
Nudibranchia	Goniodorididae	<i>Okenia liklik</i>	Gosliner, 2004	1	2	14	7
Nudibranchia	Goniodorididae	<i>Okenia</i> sp.1	undescribed	-	-	1	1
Nudibranchia	Goniodorididae	<i>Okenia</i> sp.2	undescribed	-	-	1	1
Nudibranchia	Goniodorididae	<i>Okenia</i> sp.3	undescribed	-	-	1	1
Nudibranchia	Goniodorididae	<i>Trapania brunnea</i>	Rudman, 1987	-	-	3	2
Nudibranchia	Goniodorididae	<i>Trapania euryeia</i>	Gosliner & Fahey, 2008	-	-	1	1
Nudibranchia	Goniodorididae	<i>Trapania gibbera</i>	Gosliner & Fahey, 2008	-	-	1	1
Nudibranchia	Goniodorididae	<i>Trapania japonica</i>	(Baba, 1935)	-	-	1	1
Nudibranchia	Goniodorididae	<i>Trapania miltabanchia</i>	Gosliner & Fahey, 2008	-	-	1	1

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Nudibranchia	Goniodorididae	<i>Trapania scurra</i>	Gosliner & Fahey, 2008	1	2	3	1
Nudibranchia	Goniodorididae	<i>Trapania vitta</i>	Gosliner & Fahey, 2008	6	12	1	1
Nudibranchia	Hexabanchidae	<i>Hexabanchus sanguineus</i>	(Rüppell & Leuckart, 1830)	25	27	-	-
Nudibranchia	Janolidae	<i>Janolus</i> sp.2	undescribed	1	2	-	-
Nudibranchia	Lomanotidae	<i>Lomanotus</i> sp.1	undescribed	-	-	3	2
Nudibranchia	Lomanotidae	<i>Lomanotus</i> sp.2	undescribed	-	-	13	5
Nudibranchia	Lomanotidae	<i>Lomanotus</i> sp.3	undescribed	-	-	25	3
Nudibranchia	Lomanotidae	<i>Lomanotus</i> sp.4	undescribed	-	-	19	5
Nudibranchia	Lomanotidae	<i>Lomanotus</i> sp.5	undescribed	-	-	9	2
Nudibranchia	Lomanotidae	<i>Lomanotus</i> sp.6	undescribed	-	-	1	1
Nudibranchia	Lomanotidae	<i>Lomanotus vermiformis</i>	Eliot, 1908	2	2	2	1
Nudibranchia	Madrellidae	<i>Madrella ferruginosa</i>	Alder & Hancock, 1864	-	-	7	3
Nudibranchia	Myrrhinidae	<i>Godiva</i> sp.2	undescribed	-	-	30	6
Nudibranchia	Myrrhinidae	<i>Phyllodesmium acanthorhinum</i>	Moore & Gosliner, 2014	-	-	8	4
Nudibranchia	Myrrhinidae	<i>Phyllodesmium colemani</i>	Rudman, 1991	1	2	-	-
Nudibranchia	Myrrhinidae	<i>Phyllodesmium crypticum</i>	Rudman, 1981	4	10	-	-
Nudibranchia	Myrrhinidae	<i>Phyllodesmium karenae</i>	Moore & Gosliner, 2009	-	-	2	1
Nudibranchia	Myrrhinidae	<i>Phyllodesmium koehleri</i>	Burghardt, Schrödl & Wägele, 2008	2	5	-	-
Nudibranchia	Myrrhinidae	<i>Phyllodesmium macphersonae</i>	(Burn, 1962)	16	20	-	-
Nudibranchia	Myrrhinidae	<i>Phyllodesmium magnum</i>	Rudman, 1991	20	20	-	-
Nudibranchia	Myrrhinidae	<i>Phyllodesmium opalescens</i>	Rudman, 1991	-	-	53	18
Nudibranchia	Myrrhinidae	<i>Phyllodesmium poindimiei</i>	(Risbec, 1928)	1	2	7	3
Nudibranchia	Myrrhinidae	<i>Phyllodesmium</i> sp.2	undescribed	7	15	-	-
Nudibranchia	Myrrhinidae	<i>Phyllodesmium undulatum</i>	Moore & Gosliner, 2014	-	-	5	2
Nudibranchia	Phyllidiidae	<i>Phyllidia coelestis</i>	Bergh, 1905	1	2	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidia elegans</i>	Bergh, 1869	11	17	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidia exquisita</i>	Brunckhorst, 1993	13	20	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidia guamensis</i>	(Brunckhorst, 1993)	1	2	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidia madangensis</i>	Brunckhorst, 1993	1	2	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidia ocellata</i>	Cuvier, 1804	175	98	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidia picta</i>	Pruvot-Fol, 1957	28	49	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidia varicosa</i>	Lamarck, 1801	31	46	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidiella coaraburrana</i>	Brunckhorst, 1993	4	5	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidiella lizae</i>	Brunckhorst, 1993	131	95	-	-

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Nudibranchia	Phyllidiidae	<i>Phyllidiella pustulosa</i>	(Cuvier, 1804)	226	98	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidiella</i> sp. 3	undescribed	1	2	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidiopsis cardinalis</i>	Bergh, 1876	3	7	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidiopsis krempfi</i>	Pruvot-Fol, 1957	1	2	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidiopsis loricata</i>	(Bergh, 1873)	1	2	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidiopsis shireenae</i>	Brunckhorst, 1990	2	5	-	-
Nudibranchia	Phyllidiidae	<i>Phyllidiopsis burni</i>	Brunckhorst, 1993	22	29	-	-
Nudibranchia	Pleurolidiidae	<i>Pleurolidia juliae</i>	Burn, 1966	63	49	-	-
Nudibranchia	Polyceridae	<i>Gymnodoris alba</i>	(Bergh, 1877)	17	27	26	8
Nudibranchia	Polyceridae	<i>Gymnodoris amakusana</i>	(Baba, 1996)	-	-	62	15
Nudibranchia	Polyceridae	<i>Gymnodoris nigricolor</i>	Baba, 1960	-	-	10	6
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 10	undescribed	2	5	108	33
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 13	undescribed	-	-	21	6
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 14	undescribed	-	-	2	1
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 17	undescribed	-	-	34	13
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 20	undescribed	-	-	4	2
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 21	undescribed	-	-	1	1
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 23	undescribed	-	-	4	2
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 8	undescribed	-	-	2	1
Nudibranchia	Polyceridae	<i>Gymnodoris</i> sp. 9	undescribed	1	2	66	19
Nudibranchia	Polyceridae	<i>Kaloplocamus acutus</i>	Baba, 1949	1	2	-	-
Nudibranchia	Polyceridae	<i>Kaloplocamus</i> sp. 1	undescribed	-	-	2	1
Nudibranchia	Polyceridae	<i>Nembrotha lineolata</i>	Bergh, 1905	2	5	-	-
Nudibranchia	Polyceridae	<i>Nembrotha purpureolineata</i>	O'Donoghue, 1924	7	12	-	-
Nudibranchia	Polyceridae	<i>Plocamopherus ceylonicus</i>	(Kelaart, 1858)	-	-	4	2
Nudibranchia	Polyceridae	<i>Plocamopherus pecoso</i>	Vallès & Gosliner, 2006	-	-	1	1
Nudibranchia	Polyceridae	<i>Plocamopherus tilesii</i>	Bergh, 1877	-	-	3	2
Nudibranchia	Polyceridae	<i>Polycera risbeci</i>	Odhner, 1941	-	-	1	1
Nudibranchia	Polyceridae	<i>Polycera</i> sp. 1	undescribed	-	-	1	1
Nudibranchia	Polyceridae	<i>Polycera</i> sp. 6	undescribed	-	-	1	1
Nudibranchia	Polyceridae	<i>Tambja tenuilineata</i>	M.C. Miller & Haagh, 2005	33	20	-	-
Nudibranchia	Polyceridae	<i>Tambja victoriae</i>	Pola, Cervera & Gosliner, 2005	1	2	-	-
Nudibranchia	Polyceridae	<i>Tyrannodoris luteolineata</i>	(Baba, 1936)	85	68	-	-
Nudibranchia	Samlidae	<i>Samla bicolor</i>	(Kelaart, 1858)	1	2	-	-

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Nudibranchia	Samliidae	<i>Samla</i> sp.1	undescribed	1	2	1	1
Nudibranchia	Scyllaeidae	<i>Notobryon wardi</i>	Odhner, 1936	-	-	1	1
Nudibranchia	Trinchesiidae	<i>Phestilla minor</i>	Rudman, 1981	-	-	1	1
Nudibranchia	Trinchesiidae	<i>Trinchesia diversicolor</i>	Baba, 1975	1	2	6	4
Nudibranchia	Trinchesiidae	<i>Trinchesia ornata</i>	(Baba, 1937)	-	-	1	1
Nudibranchia	Trinchesiidae	<i>Trinchesia sibogae</i>	(Bergh, 1905)	4	7	265	42
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp. 3	undescribed	8	17	-	-
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.13	undescribed	1	2	-	-
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.17	undescribed	-	-	4	2
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.20	undescribed	1	2	-	-
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.21	undescribed	2	5	-	-
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.23	undescribed	-	-	115	30
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.24	undescribed	2	2	53	18
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.25	undescribed	-	-	2	1
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.26	undescribed	1	2	-	-
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.28	undescribed	-	-	1	1
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.29	undescribed	1	2	16	7
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.30	undescribed	-	-	3	2
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.31	undescribed	-	-	1	1
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.32	undescribed	-	-	47	10
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.33	undescribed	3	5	1	1
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.35	undescribed	-	-	1	1
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.36	undescribed	-	-	1	1
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.37	undescribed	-	-	1	1
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.40	undescribed	1	2	-	-
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.44	undescribed	-	-	72	18
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.46	undescribed	1	2	-	-
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.50	undescribed	-	-	3	2
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.51	undescribed	-	-	21	5
Nudibranchia	Trinchesiidae	<i>Trinchesia</i> sp.53	undescribed	-	-	2	1
Nudibranchia	Tritoniidae	<i>Marionia pustulosa</i>	Odhner, 1936	-	-	6	3
Nudibranchia	Tritoniidae	<i>Marionia rubra</i>	(Rüppell & Leuckart, 1828)	2	2	-	-
Nudibranchia	Tritoniidae	<i>Marionia</i> sp.2	undescribed	7	12	-	-
Nudibranchia	Tritoniidae	<i>Tritonia</i> sp.3	undescribed	1	2	-	-

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Nudibranchia	Tritoniidae	<i>Tritonia</i> sp.4	undescribed	3	5	-	-
Nudibranchia	Tritoniidae	<i>Tritoniopsis elegans</i>	(Audouin, 1826)	67	61	-	-
Nudibranchia	Unidentiidae	<i>Unidentia</i> sp.1	undescribed	-	-	2964	70
Pleurobranchida	Pleurobranchaeidae	<i>Euselenops luniceps</i>	(Cuvier, 1816)	-	-	3	1
Pleurobranchida	Pleurobranchidae	<i>Berthella martensi</i>	(Pilsbry, 1896)	19	27	-	-
Pleurobranchida	Pleurobranchidae	<i>Berthellina citrina</i>	(Rüppell & Leuckart, 1828)	-	-	1	1
Pleurobranchida	Pleurobranchidae	<i>Pleurobranchus grandis</i>	Pease, 1868	-	-	4	2
Pleurobranchida	Pleurobranchidae	<i>Pleurobranchus peronii</i>	Cuvier, 1804	5	10	101	17
Pleurobranchida	Pleurobranchidae	<i>Pleurobranchus weberi</i>	(Bergh, 1905)	-	-	93	23
Runcinida	Ilbiidae	<i>Ilbia ilbi</i>	Burn, 1963	1	2	1	1
Runcinida	Runcinidae	<i>Runcina</i> sp.5	undescribed	1	2	-	-
Sacoglossa*	Costasiellidae	<i>Costasiella kuroshimae</i>	Ichikawa, 1993	3	2	1	1
Sacoglossa*	Costasiellidae	<i>Costasiella</i> sp.2	undescribed	-	-	3	1
Sacoglossa*	Hermaeidae	<i>Cyerce nigra</i>	Bergh, 1871	-	-	1	1
Sacoglossa*	Hermaeidae	<i>Hermaea</i> sp.6	undescribed	1	2	-	-
Sacoglossa*	Hermaeidae	<i>Hermaea</i> sp.7	undescribed	1	2	1	1
Sacoglossa*	Juliidae	<i>Julia exquisita</i>	Gould, 1862	-	-	2	1
Sacoglossa*	Juliidae	<i>Tamanovalva</i> sp.1	undescribed	-	-	1	1
Sacoglossa*	Oxynoidae	<i>Lobiger</i> sp.1	undescribed	2	5	-	-
Sacoglossa*	Oxynoidae	<i>Oxynoe viridis</i>	(Pease, 1861)	11	12	-	-
Sacoglossa*	Plakobanchidae	<i>Elysia asbecki</i>	Wägele, Stemmer, Burghardt & Händeler, 2010	-	-	1	1
Sacoglossa*	Plakobanchidae	<i>Elysia coodgeensis</i>	Angas, 1864	-	-	1	1
Sacoglossa*	Plakobanchidae	<i>Elysia maoria</i>	Powell, 1937	17	22	-	-
Sacoglossa*	Plakobanchidae	<i>Elysia pusilla</i>	(Bergh, 1871)	12	17	23	17
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.11	undescribed	1	2	16	10
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.12	undescribed	-	-	1	1
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.15	undescribed	1	2	-	-
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.16	undescribed	-	-	1	1
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.17	undescribed	-	-	7	3
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.18	undescribed	-	-	1	1
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.19	undescribed	-	-	3	2
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.23	undescribed	-	-	1	1
Sacoglossa*	Plakobanchidae	<i>Elysia</i> sp.5	undescribed	2	2	-	-
Sacoglossa*	Plakobanchidae	<i>Plakobanchus ocellatus</i>	van Hasselt, 1824	-	-	18	5

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Sacoglossa*	Plakobanchidae	<i>Thuridilla carlsoni</i>	Gosliner, 1995	13	24	37	10
Umbraculida	Tylodinidae	<i>Tylodina corticalis</i>	(Tate, 1889)	45	39	-	-

Acteonoidea# Superfamily (no order)

Sacoglossa* Superorder (no order)