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APPENDICES

APPENDIX I

THE STUDIES SPECIMEN DEPOSITED IN THE CHULALONGKORN UNIVERSITY,
MUSEUM OF ZOOLOGY (CUMZ): A; Adult, J; Juvenile

CUMZ	Species	Locality	Date	Specimens	Remark
800	<i>C. aurantiacus</i>	Kang Krajan National Park, Petchaburi	21/08/1998	10A	wet
801	<i>C. cantori</i>	Sramorakot, Krabi	24/07/2004	4A	wet
802	<i>C. cantori</i>	Namphud cave, Pang Nga	17/10/2004	9A	wet
803	<i>C. cantori</i>	Koh Lanta, Krabi	25/07/2004	3A	wet
804	<i>C. cantori</i>	Phakayang cave, Ranong	14/12/1998	1A	wet
805	<i>C. courbeti</i>	Brijinda cave, Inthanon, Chiang Mai	05/10/2004	20A	wet
806	<i>C. saturnus saturnus</i>	Kunkorn Waterfall, Chiang Rai	05/10/2004	1A	wet
807	<i>C. courbeti</i>	Kunkorn Waterfall, Chiang Rai	05/10/2004	3A	wet
808	<i>C. cantori</i>	Sramorakot, Krabi	14/10/2004	3A	wet
809	<i>C. fulguratus fulguratus</i>	Wat Thepsatit, Nakhon Sawan	24/06/2003	12A	wet
810	<i>C. fulguratus fulguratus</i>	Wat Sanggat Ratthanakiri, Uthaithani	04/09/2004	15A	wet
811	<i>C. fulguratus</i> ssp. 1	Khao Chakan, Srakaoe	13/09/2004	10A	wet
812	<i>C. fulguratus</i> ssp. 1	Nawa, Nakhon Phanom	25/07/2004	8A	wet
813	<i>C. fulguratus</i> ssp. 1	Ban Kokplasew, Sakon Nakhon	29/07/2004	5A	wet
814	<i>C. fulguratus</i> ssp. 1	Chaiwan, Udonthani	03/06/2004	3A	wet
815	<i>C. fulguratus</i> ssp. 1	Phuwiang National Park, Khaon Kaen	11/09/2004	3A	wet
816	<i>C. fulguratus</i> ssp. 1	Nonggrungsri, Kalasin	07/06/2004	8A	wet
817	<i>C. fulguratus</i> ssp. 1	Srikhoraphum, Surin	10/09/2004	3A	wet
818	<i>C. fulguratus</i> ssp. 1	Khuang Nai, Ubonratchathani	05/07/2004	3A	wet
819	<i>C. malayanus</i>	Sramorakot, Krabi	24/07/2004	4A	wet

CUMZ	Species	Locality	Date	Specimens	Remark
820	<i>C. malayanus</i>	Samui, Gulf of Thailand	11/10/2004	2A	wet
821	<i>C. cantori</i>	Sramorakot, Krabi	20/06/2004	5A	wet
822	<i>C. saturnus</i> ssp. 1	Phlieu National Park, Chanthaburi	06/06/2004	3A	wet
823	<i>C. speciosus</i>	Wangtakrai National Park, Nakhon Nayok	07/07/2004	10A	wet
824	<i>C. subfloridus</i>	Nernmaprang, Pitsanulok	06/10/2004	10A	wet
825	<i>C. volvulus</i>	Wangganlueang Waterfall, Lopburi	17/09/2004	20A	wet
826	<i>C. diplochilus</i>	Samui, Gulf of Thailand	11/10/2004	2A	wet
827	<i>C. fulguratus fulguratus</i>	Phucare Botanical Garden, Saraburi	10/10/2005	4A	wet
828	<i>C. fulguratus</i> ssp. 1	Kaisawaluck, Pakchong, Nakhonratchasima	13/09/2003	2A	wet
829	<i>C. fulguratus fulguratus</i>	Tham Singha Dayshow, Kangkoi, Saraburi	15/10/2005	1A	wet
830	<i>C. malayanus</i>	Thon Ngachang, Songkhla	04/09/2005	1A	wet
831	<i>C. orthostylus</i>	Sangkore, Sakon Nakhon	22/05/2005	6A	wet
832	<i>C. fulguratus</i> ssp. 1	Sangkore, Sakon Nakhon	22/05/2005	5A	wet
833	<i>C. cantori</i>	Krungching Waterfall, Nakhonsri Thammarat	28/10/2005	1A	wet
834	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Petchaburi	08/10/2005	2A	wet
835	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Petchaburi	20/10/2005	1A	wet
836	<i>C. saturnus</i> ssp. 1	Makok Waterfall, Chanthaburi	18/08/2004	10A	wet
837	<i>C. courbeti</i>	Muang On cave, Chaing Mai	04/10/2004	3A	wet
838	<i>C. saturnus</i> ssp. 1	Troknong Waterfall, Chanthaburi	24/08/2004	25A	wet
839	<i>C. fulguratus fulguratus</i>	Ramkamhang National Park, Sukhothai	04/09/2004	6A	wet
840	<i>C. saturnus</i> ssp. 1	Wat khao Sukim, Chanthaburi	24/08/2004	3A	wet
841	<i>C. fulguratus</i> ssp. 1	Houy Krachur, Sakon Nakhon	29/07/2004	3A	wet
842	<i>C. saturnus</i> ssp. 1	Pangsrida, Srakaoe	08/08/1998	9A	wet
843	<i>C. fulguratus</i> ssp. 1	Namphung, Sakon Nakhon	29/07/2004	5A	wet
844	<i>C. saturnus</i> ssp. 1	Khao Tagroup, Chachoengsao	29/09/2003	4A	wet

CUMZ	Species	Locality	Date	Specimens	Remark
845	<i>C. volvulus</i>	Wangganlueang Waterfall, Lopburi	05/12/2003	5A	wet
846	<i>C. fulguratus fulguratus</i>	Srisatchanalai, Sukhothai	06/10/2004	5A	wet
847	<i>C. fulguratus</i> ssp. 1	Ban Dongkampho, Sakon Nakhon	30/07/2004	3A	wet
848	<i>C. fulguratus</i> ssp. 1	Phu Kumkaw, Kalasin	31/07/2004	5A	wet
849	<i>C. fulguratus</i> ssp. 1	Phu Nanghong, Sakon Nakhon	31/07/2004	7A	wet
850	<i>C. fulguratus</i> ssp. 1	Pangkon, Sakon Nakhon	07/07/2004	19A	wet
851	<i>C. fulguratus</i> ssp. 1	Nam Pung Dam, Sakon Nakhon	29/07/2004	5A	wet
852	<i>C. aquilus</i>	Tioman Island Malaysia	13/03/2004	10A	wet
853	<i>C. fulguratus fulguratus</i>	Wat Thepsathaporn, Uthaitani	04/09/2004	10A	wet
854	<i>C. courbeti</i>	Hulian, Viet Nam	18/05/1999	1A	wet
855	<i>C. saturnus saturnus</i>	Pahom, Vang Veing, Laos	09/02/1999	1A	wet
856	<i>C. saturnus saturnus</i>	Laos	13/02/1999	1A, 1J	wet
857	<i>C. fulguraus fulguratus</i>	Khao Noi, Nakhon Sawan	17/04/1999	4A	wet
858	<i>C. fulguraus fulguratus</i>	Khao Wang, Phetchaburi	02/08/1998	1A	wet
859	<i>C. fulguraus fulguratus</i>	Phumipol Dam, Tak	05/09/1998	1A, 2J	wet
860	<i>C. fulguraus fulguratus</i>	Wat Prathansitarak Banpotpisai, Nakhon Sawan	23/05/1998	4A	wet
861	<i>C. semisalcatus</i>	Batu cave, Malaysia	17/05/1997	1A	wet
862	<i>C. cantori</i>	Tha Chang, Suratthani	03/09/1996	5A	wet
863	<i>C. fulguratus fulguratus</i>	Pliue National Park, Chanthaburi	15/08/1998	49A	wet
864	<i>C. aurantiacus</i>	Kang Krajan National Park, Petchaburi	20/09/1998	1A, 8J	wet
865	<i>C. saturnus saturnus</i>	Doi Phunang National Park, Pha yao	07/08/1999	3A	wet
866	<i>C. saturnus saturnus</i>	Pahom, Vang Veing, Laos	13/06/1999	14A	wet
867	<i>C. saturnus saturnus</i>	Pahom, Vang Veing, Laos	13/06/1999	4A	wet
868	<i>C. dodran</i>	Hulian, Viet Nam	18/05/1999	8A	wet
869	<i>C. courbeti</i>	Hulian, Viet Nam	18/05/1999	1A	wet

CUMZ	Species	Locality	Date	Specimens	Remark
870	<i>C. saturnus saturnus</i>	Doi Angkhang, Phang, Chiang Mai	16/03/2000	1A	wet
871	<i>C. speciosus</i>	Khao Luck Chang, Nakhon Ratchasima	18/10/1998	1A, 2J	wet
872	<i>C. speciosus</i>	Pang Sida, Sra Kaeo	08/08/1998	1A, 1J	wet
873	<i>C. speciosus</i>	Pa Roitoh, Chacheansao	10/09/1998	1A	wet
874	<i>C. speciosus</i>	Pu Toie N.P, Supan Buri	28/09/1999	1A, 1J	wet
875	<i>C. diplochilus</i>	Mu koh Angtong National Park, Suratthani	11/02/2000	1A	wet
876	<i>C. diplochilus</i>	Mu koh Angtong National Park, Suratthani	11/03/2001	1A	wet
877	<i>C. malayanus</i>	Khao Chong, Trang	13/10/1999	9A	wet
878	<i>C. cantori</i>	Ta Chai Island, Pang Nga	04/04/1999	2A	wet
879	<i>C. cantori</i>	Khamint cave, Nasarn, Suratthani	28/12/1999	1A	wet
880	<i>C. volvulus</i>	Wat Tham Sua, Supanburi	21/07/1999	4A	wet
881	<i>C. fulguratus fulguratus</i>	Wat Khao Houy Lung, Nakhon Sawan	06/10/1999	3A	wet
882	<i>C. courbeti</i>	Doi Inthanon National Park, Chiang Mai	02/10/1999	5A, 1J	wet
883	<i>C. cantori</i>	Botanical Garden, Trang	13/11/1998	1J	wet
884	<i>C. fulguratus fulguratus</i>	Phu Care, Khao Mai, Saraburi	15/10/2005	30A	wet
885	<i>C. saturnus</i> ssp. 1	Khao Chamoia, Chanthaburi	08/10/2005	12A	wet
889	<i>C. speciosus</i>	Wat Tham Sua, Supanburi	21/07/1999	3A	wet
890	<i>C. fulguratus</i> ssp. 1	Phu Pha Man, Khon Kaen	14/05/1999	8A	wet
891	<i>C. aurantiacus</i>	Kangrajan National Park, Petchaburi	24/09/1998	5A	wet
892	<i>C. fulguratus fulguratus</i>	Phu Care, Saraburi	27/06/1998	8A, 6J	wet
893	<i>C. courbeti</i>	Kwang Sri Waterfall, Luang Pra Bang	09/07/1999	6A, 3J	wet
894	<i>C. malayanus</i>	Na Muang Waterfall, Koh Samui Island	05/10/2000	1A	wet
895	<i>C. saturnus saturnus</i>	Pahom, Vang Veing, Laos	13/06/1999	5A	wet
896	<i>C. malayanus</i>	Khao Chong, Trang	05/06/2000	9A	wet
897	<i>C. saturnus</i> ssp1.	Plieu National Park, Chanthaburi	19-21/07/1997	3A	wet

CUMZ	Species	Locality	Date	Specimens	Remark
898	<i>C.cantori</i>	Na Sarn, Suratthani	15/04/2000	1A	wet
899	<i>C. volvulus</i>	Samroyod, Prajaub Kirikhan	11/04/1998	1A	wet
900	<i>C. volvulus</i>	Samaesarn Island, Chonburi	25/06/1998	5A	wet
901	<i>C. saturnus saturnus</i>	Pahom, Vang Veing, Laos	13/02/1999	3A	wet
902	<i>C. saturnus</i>	Klonglan, Khampangpet	28/09/2000	1A	wet
903	<i>C. saturnus saturnus</i>	Pahom, Vang Veing, Laos	14/02/1999	1A	wet
904	<i>C. fulguratus fulguratus</i>	Samlan National Park, Saraburi	09/08/1998	5A	wet
905	<i>C. courbeti</i>	Kwang Sri Waterfall, Luang Pra Bang, Laos	13/8/1999	2A	wet
906	<i>Cyclophorus</i> sp.2	Hulian, Viet Nam	18/05/1999	7A	wet
907	<i>C. malayanus</i>	Donsak, Suratthani	11/02/1998	1A	wet
908	<i>C. acutimarginatus</i>	Betong, Halabala, Narathiwat	14/04/1998	3A	wet
909	<i>C. cantori</i>	Betong, Halabala, Narathiwat	14/04/1998	1A	wet
910	<i>Cyclophorus</i> sp.4	Philippines	15/10/2003	11A	wet
911	<i>C. volvulus</i>	Chonburi	15/10/2004	5A	wet
912	<i>C. saturnus saturnus</i>	Doi Phunang National Park, Pha Yao	09/04/2000	1A	wet
913	<i>C. volvulus</i>	Ban Krang, Kangajan, Petchaburi	29/08/1998	1J	wet
914	<i>Cyclophorus</i> sp.	Kangrajan National Park, Petchaburi	19/09/1999	2A	wet
915	<i>C. malayanus</i>	Na Muang Waterfall, Koh Samui Island	11/02/2000	3A	wet
916	<i>C. diplochilus</i>	Klongsang, Suratthani	24/07/1998	1A	wet
917	<i>C. speciosus</i>	Khao Lookchang, Nakhonratchasima	04/04/1998	2J	wet
918	<i>C. fulguratus fulguratus</i>	Khao Jhombung, Ratchaburi	27/01/1999	1A	wet
919	<i>C. siamensis</i>	Vang Vieng, Laos	14/06/1999	3A	wet
920	<i>Cyclophorus</i> sp.	Chong Khaokat, Khanchanaburi	25/09/1999	5A	wet
921	<i>C. saturnus saturnus</i>	Pahom, Vang Veing, Laos	13/06/1999	14A	wet
922	<i>C. saturnus</i> ssp.1	Khao Soidao, Chanthaburi	29/05/2001	1A	wet

CUMZ	Species	Locality	Date	Specimens	Remark
923	<i>C. cantori</i>	Klong Sang, Suratthani	04/08/2001	1A	wet
924	<i>Cyclophorus</i> sp.3	Hulian, Vietnam	18/05/1999	8A	wet
925	<i>C. saturnus</i> ssp1.	Chong Khaokat, Kanchanaburi	25/09/1999	1A	wet
926	<i>C. saturnus</i> ssp1.	Plieu National Park, Chanthaburi	15/01/1998	3A	wet
927	<i>C. cantori</i>	Khao Chong, Trang	13/10/1999	2A	wet
928	<i>C. courbeti</i>	Kwang Sri Waterfall, Luang Pra Bang	26/07/1999	8J	wet
1001	<i>C. fulguratus</i> ssp. 1	Khao Ang Rue Nai, Chachoengsao	11/04/1995	5A, 3J	shell
1002	<i>C. speciosus</i>	Khao Ang Rue Nai, Chachoengsao	11/04/1995	1A	shell
1003	<i>C. diplochilus</i>	Khao Ang Rue Nai, Chachoengsao	16/04/1995	1A, 1J	shell
1004	<i>C. diplochilus</i>	Ang Tong National Park, Suratthani	24/03/1998	14A	shell
1005	<i>C. fulguratus</i> ssp. 1	Ban Dong Khampo, Sakon Nakhon	31/07/2004	8A, 9J	shell
1006	<i>C. fulguratus</i> ssp. 1	Ban Kokglang, Sakon Nakhon	30/07/2004	11A, 1J	shell
1007	<i>C. fulguratus</i> ssp. 1	Ban Kokplasew, Sakon Nakhon	30/06/2004	17A, 1J	shell
1008	<i>C. cantori</i>	Bang Poo, Samroi yod, Prachuap kirikhan	04/02/1995	15A, 3J	shell
1009	<i>C. courbeti</i>	Brijinda cave, Inthanon, Chiang Mai	07/09/1994	1A, 1J	shell
1010	<i>C. courbeti</i>	Brijinda cave, Inthanon, Chiang Mai	05/08/1994	2A, 1J	shell
1011	<i>C. fulguratus fulguratus</i>	Brijinda cave, Inthanon, Chiang Mai	04/10/2004	79A, 5J	shell
1012	<i>C. malayanus</i>	Chew Lhan dam, Suratthani	08/01/1995	6A, 2J	shell
1013	<i>C. cantori</i>	Chew Lhan dam, Suratthani	08/01/1995	7A, 7J	shell
1014	<i>C. cantori</i>	Chew Lhan dam, Suratthani	03/06/1995	11A	shell
1015	<i>C. malayanus</i>	Chew Lhan dam, Suratthani	03/06/2001	4A	shell
1016	<i>C. malayanus</i>	Chumporn	05/09/1998	1A	shell
1017	<i>C. malayanus</i>	Chumporn	05/05/1996	2A	shell
1018	<i>C. saturnus</i> ssp. 1	Chantaburi	05/06/1998	1A, 1J	shell
1019	<i>C. malayanus</i>	Doi Chiang Dao, Chiang Mai	24/05/1997	1A, 1J	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1020	<i>C. courbeti</i>	Doi Suthep, Chiang Mai	04/10/2004	23A	shell
1021	<i>Cyclophorus</i> sp.	Erawan Waterfall, Kanchanaburi	07/12/1995	4A	shell
1022	<i>Cyclophorus</i> sp.	Erawan Waterfall, Kanchanaburi	07/12/1995	1A, 1J	shell
1023	<i>Cyclophorus</i> sp.	Erawan Waterfall, Kanchanaburi	08/12/1995	1A, 4J	shell
1024	<i>Cyclophorus</i> sp.	Erawan Waterfall, Kanchanaburi	08/12/1995	4A	shell
1025	<i>Cyclophorus</i> sp.2	Fuang jail, Viet Nam	15/05/1999	27A, 7J	shell
1026	<i>Cyclophorus</i> sp.	Erawan Waterfall, Kanchanaburi	29/12/1995	9A	shell
1027	<i>Cyclophorus</i> sp.1	Fuang jail, Viet Nam	15/05/1999	5A	shell
1028	<i>C. songmaensis</i>	Fuang jail, Viet Nam	18/05/1999	15A, 1J	shell
1029	<i>C. semisalcatus</i>	Halabala, Narathiwat	14/04/2000	2A	shell
1030	<i>C. fulguratus</i> ssp. 1	Houy Krachur, Sakon Nakhon	30/07/2004	5A, 3J	shell
1031	<i>Cyclophorus</i> sp.	Houykok, Phetchaburi	09/12/1995	5A	shell
1032	<i>C. fulguratus fulguratus</i>	Houy Yang Waterfall, Phetchaburi	08/05/2004	3A	shell
1033	<i>C. speciosus</i>	Hulian, Vietnam	18/05/1999	3A	shell
1034	<i>C. courbeti</i>	Inthanon National Park, Chiang Mai	16/05/1998	14A, 3J	shell
1035	<i>C. courbeti</i>	Inthanon National Park, Chiang Mai	16/05/1998	1A	shell
1036	<i>C. courbeti</i>	Inthanon National Park, Chiang Mai	16/05/1998	17A	shell
1037	<i>C. fulguratus fulguratus</i>	Jed Saw Noi Waterfall, Saraburi	05/12/2000	14A, 1J	shell
1038	<i>C. saturnus saturnus</i>	Jung cave, Vang Vieng, Laos	16/10/1998	16A	shell
1039	<i>C. fulguratus fulguratus</i>	Kang Krajan National Park, Petchaburi	11/12/1995	1A, 1J	shell
1040	<i>C. fulguratus fulguratus</i>	Kang Krajan National Park, Petchaburi	09/09/1998	1A	shell
1041	<i>C. malayanus</i>	Kang Krajan National Park, Petchaburi	21/09/2003	3A	shell
1042	<i>C. malayanus</i>	Kang Krajan National Park, Petchaburi	09/09/1998	1A	shell
1043	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Petchaburi	09/12/1995	2J	shell
1044	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Petchaburi	19/09/1998	15A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1045	<i>C. malayanus</i>	Kang Krajan National Park, Petchaburi	20/09/2004	4A	shell
1046	<i>C. malayanus</i>	Kang Krajan National Park, Petchaburi	29/09/2002	8A, 2J	shell
1047	<i>C. malayanus</i>	Kang Krajan National Park, Petchaburi	19/08/2004	2A	shell
1048	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Petchaburi	20/08/2004	6A	shell
1049	<i>C. cantori</i>	Kang Krajan National Park, Petchaburi	20/08/2004	47A, 3J	shell
1050	<i>C. malayanus</i>	Kanjanadit, Suratthani	30/04/1998	2A	shell
1051	<i>C. fulguratus</i> ssp. 1	Khao Chagan, Srakaeo	13/09/2004	9A	shell
1052	<i>C. cantori</i>	Khao Chong, Trang	09/09/1995	10A, 1J	shell
1053	<i>C. cantori</i>	Khao Chong, Trang	09/09/1995	2A	shell
1054	<i>C. malayanus</i>	Khao Chong, Trang	13/11/1998	2A	shell
1055	<i>C. cantori</i>	Khao Chong, Trang	13/11/1998	13A	shell
1056	<i>C. cantori</i>	Khao Chong, Trang	21/12/2000	1A	shell
1057	<i>C. malayanus</i>	Khao Khaeo, Chonburi	13/03/1995	1A	shell
1058	<i>C. cantori</i>	Khao Kreab, Suratthani	17/09/2000	9A	shell
1059	<i>C. fulguratus</i> ssp. 1	Khao Luang, Sukhothai	19/09/1997	1A, 1J	shell
1060	<i>C. saturnus</i> ssp. 1	Khao Nang Ram, Uthaithani	12/02/1995	6A, 1J	shell
1061	<i>C. fulguratus fulguratus</i>	Khao Nang Ram, Uthaithani	12/02/1995	6A	shell
1062	<i>C. fulguratus fulguratus</i>	Khao Nang Ram, Uthaithani	03/06/1995	5A, 2J	shell
1063	<i>C. fulguratus fulguratus</i>	Khao Nang Ram, Uthaithani	25/11/1995	8A	shell
1064	<i>C. fulguratus fulguratus</i>	Khao Noh, Nakhon Sawan	04/07/2004	59A	shell
1065	<i>C. fulguratus fulguratus</i>	Khao Noi, Nakhon Sawan	14/04/1999	2A	shell
1066	<i>C. fulguratus fulguratus</i>	Khao Pla Rha, Lanrag, Uthaithani	14/12/1996	11A	shell
1067	<i>C. cantori</i>	Khao Pra-bangkram, Krabi	24/07/2004	5A	shell
1068	<i>C. malayanus</i>	Khao Pra-bangkram, Krabi	24/07/2004	9A	shell
1069	<i>C. malyanus</i>	Khao Pu khao Ya National Park, Patthalung	21/03/1998	8A, 1J	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1070	<i>C. fulguratus</i> ssp.1	Khao Sakaengrang, Nakhonsrithamarat	04/11/2004	47A, 24J	shell
1071	<i>C. fulguratus</i> ssp.1	Khao Sawaey Kapi, Phetchaburi	01/08/1998	1A	shell
1072	<i>C. malayanus</i>	Khao Sok National Park, Suratthani	15/08/2004	7A	shell
1073	<i>C. malayanus</i>	Khao Sok National Park, Suratthani	24/03/1995	1A	shell
1074	<i>C. saturnus</i> ssp.1	Khao Soydown, Chanthaburi	17/07/1981	1A	shell
1075	<i>C. saturnus</i> ssp. 1	Khao Soydown, Chanthaburi	20/12/1995	8A, 2J	shell
1076	<i>C. fulguratus fulguratus</i>	Khao Soydown, Chanthaburi	23/12/1995	4A, 2J	shell
1077	<i>C. saturnus</i> ssp. 1	Khao Soydown, Chanthaburi	23/09/2004	9A	shell
1078	<i>C. saturnus</i> ssp. 1	Khao Sugim, Chanthaburi	24/08/2004	4A	shell
1079	<i>C. speciosus</i>	Khao Takrup, Chachoengsao	29/09/2003	3A	shell
1080	<i>C. fulguratus fulguratus</i>	Khao Wang, Phetchaburi	02/08/1998	20A	shell
1081	<i>C. saturnus</i> ssp. 1	Khao Wong, Chanthaburi	24/08/2004	4A	shell
1082	<i>C. saturnus</i> ssp. 1	Makok Waterfall, Chanthaburi	28/08/2004	6A	shell
1083	<i>C. cantori</i>	Khao Luang, Krung Ching Waterfall, Nakhonsi	25/08/1994	1J	shell
1084	<i>C. malayanus</i>	Klong Mohtag, Suratthani	28/08/1995	1J	shell
1085	<i>C. diplochilus</i>	Klong Sang, Suratthani	17/02/1995	7A	shell
1086	<i>C. diplochilus</i>	Klong Sang, Suratthani	08/01/1995	5A, 5J	shell
1087	<i>C. malayanus</i>	Klong Sang, Suratthani	08/01/1995	4J	shell
1088	<i>C. malayanus</i>	Klong Sang, Suratthani	19/02/1995	1 A, 1J	shell
1089	<i>C. malayanus</i>	Klong Sang, Suratthani	06/05/1995	2A	shell
1090	<i>C. malayanus</i>	Klong Sang, Suratthani	28/08/1995	4A	shell
1091	<i>C. diplochilus</i>	Klong Sang, Suratthani	28/08/1995	7A	shell
1092	<i>C. malayanus</i>	Klong Sang, Suratthani	09/06/1996	1A	shell
1093	<i>C. diplochilus</i>	Klong Sang, Suratthani	18/02/1998	18A	shell
1094	<i>C. malayanus</i>	Klong Sang, Suratthani	08/01/1995	7A, 2J	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1095	<i>C. malayanus</i>	Klong Sang, Suratthani	08/02/1998	12A	shell
1096	<i>C. diplochilus</i>	Klong Sang, Suratthani	08/02/1995	28A	shell
1097	<i>C. malayanus</i>	Klong Sang, Suratthani	08/02/1995	4J	shell
1098	<i>C. malayanus</i>	Klong Sang, Suratthani	07/02/1999	6A	shell
1099	<i>C. malayanus</i>	Klong Sang, Suratthani	18/02/1995	11A, 2J	shell
1100	<i>C. malayanus</i>	Klong Sang, Suratthani	08/01/1995	18A,8J	shell
1101	<i>C. diplochilus</i>	Klong Sang, Suratthani	10/10/2003	2A	shell
1102	<i>C. malayanus</i>	Klong Sang., Suratthani	08/01/1995	8A	shell
1103	<i>C. volvulus</i>	Koh Juang near Smaesan, Chonburi	26/12/1998	6A	shell
1104	<i>C. cantori</i>	Koh Lanta, Krabi	25/07/2004	3A	shell
1105	<i>C. cantori</i>	Koh Phi Phi, Phuket	28/03/1996	6A	shell
1106	<i>C. cantori</i>	Koh Phi Phi, Phuket	28/03/1996	6A, 1J	shell
1107	<i>C. volvulus</i>	Koh Samaesan, Chonburi	13/06/1998	5A, 1J	shell
1108	<i>C. volvulus</i>	Koh Samaesan, Chonburi	19/08/1998	25A, 3J	shell
1109	<i>C. fulguratus</i> ssp.1	Koh Samaesan, Chonburi	08/10/1999	2A	shell
1110	<i>C. malayanus</i>	Koh Samui, Suratthani	23/08/2003	8A, 4J	shell
1111	<i>C. malayanus</i>	Koh Samui, Suratthani	10/10/2003	2A, 4J	shell
1112	<i>C. diplochilus</i>	Koh Samui, Suratthani	10/10/2004	3A	shell
1113	<i>C. volvulus</i>	Koh See, Similan, Chonburi	02/02/2004	7A	shell
1114	<i>C. volvulus</i>	Koh Sri Chang, Chonburi	20/06/1998	1A	shell
1115	<i>C. volvulus</i>	Koh Sri Chang, Chonburi	20/06/1998	1A	shell
1116	<i>C. malayanus</i>	Koh Tan, Koh Samui, Suratthani	11/05/1995	1A	shell
1117	<i>C. malayanus</i>	Koh Tan, Suratthani	10/11/1996	1A	shell
1118	<i>C. malayanus</i>	Koh Tan, Suratthani	29/05/2003	7A	shell
1119	<i>C. aquilus</i>	Koh Tioman, Malaysia	06/12/1998	7A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1120	<i>Cyclophorus</i> sp.	Koy	03/04/1994	4A	shell
1121	<i>C. cantori</i>	Krungching Waterfall, Nakhonsrithammarat	24/08/1994	5A	shell
1122	<i>C. malayanus</i>	Krungching Waterfall, Nakhonsithammarat	24/08/1994	4A	shell
1123	<i>C. fulguratus</i> ssp. 1	Kuchinarai, Kalasin	21/07/1997	2A	shell
1124	<i>C. saturnus saturnus</i>	Kum-Muow, Laos	28/11/1998	1A	shell
1125	<i>C. malayanus</i>	La Ngu, Satun	09/01/1993	1A, 1J	shell
1126	<i>C. cantori</i>	La Ngu, Satun	09/01/1995	7A, 1J	shell
1127	<i>C. courbeti</i>	Kunkorn Waterfall, Chiang Rai	05/10/2004	5A, 7J	shell
1128	<i>C. saturnus saturnus</i>	Kunkorn Waterfall, Chiang Rai	05/10/2004	5A	shell
1129	<i>C. courbeti</i>	Lansang National Park, Tak	03/10/2004	40A, 20J	shell
1130	<i>C. saturnus</i> ssp. 1	Loei	05/11/1998	9A	shell
1131	<i>C. saturnus saturnus</i>	Mae Moh, Lampang	21/05/1998	1A	shell
1132	<i>C. courbeti</i>	Mae Moh, Lampang	21/05/1998	20A, 1J	shell
1133	<i>C. saturnus saturnus</i>	Mae Saluoy, Chiang Rai	17/05/1998	2A, 1J	shell
1134	<i>C. saturnus</i> ssp. 1	Makok Waterfall, Chanthaburi	18/08/2004	3A	shell
1135	<i>C. fulguratus fulguratus</i>	Makok Waterfall, Chanthaburi	19/08/2004	8A	shell
1136	<i>Cyclophorus</i> sp.1	Mt. Keriang, Malaysia	14/05/1997	1J	shell
1137	<i>C. courbeti</i>	Muang On cave, Chiang Mai	04/10/2004	40A, 6J	shell
1138	<i>C. courbeti</i>	Muang On cave, Chiang Mai	04/11/2002	3A	shell
1139	<i>C. siamensis</i>	Mungkon cave, Bolicamsai, Laos	28/11/1998	8A	shell
1140	<i>C. fulguratus fulguratus</i>	Mungkon cave, Bolicamsai, Laos	28/11/1998	1A	shell
1141	<i>C. fulguratus fulguratus</i>	Nakhon Sawan	03/01/1999	138A, 25J	shell
1142	<i>C. malyanus</i>	Na San, Suratthani	03/01/1999	19A	shell
1143	<i>C. speciosus</i>	Nakhonsrithammarat	01/01/1999	7A	shell
1144	<i>C. fulguratus fulguratus</i>	Nakhon Sawan	15/09/2003	4A, 2J	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1145	<i>C. fulguratus</i> ssp. 1	Namphung Dam, Sakon Nakhon	30/07/2004	7A	shell
1146	<i>C. cantori</i>	Namphuron, Ranong	18/10/2002	3A	shell
1147	<i>C. malayanus</i>	Namphuron, Ranong	18/10/2002	3A	shell
1148	<i>C. malayanus</i>	Namphud cave, Pang Nga	06/03/2003	2J	shell
1149	<i>C. subfloridus</i>	Nernmaprang Sangjury, Phitsanulok	06/10/2004	35A, 7J	shell
1150	<i>C. turgidus</i>	Okinawa, Japan	06/09/2002	11A, 3J	shell
1151	<i>C. cantori</i>	Pa La Ngu, Satun	09/01/1995	2A	shell
1152	<i>C. malayanus</i>	Pa La Ngu, Satun	09/01/1995	3A	shell
1153	<i>C. fulguratus</i> ssp. 1	Pa Roy Toh, Chachoengsao	24/06/1996	2A, 2J	shell
1154	<i>C. saturnus saturnus</i>	Pa Roy Toh, Chachoengsao	10/05/1995	1A	shell
1155	<i>C. fulguratus</i>	Pa Roy Toh, Chachoengsao	10/05/1995	10A, 3J	shell
1156	<i>C. saturnus saturnus</i>	Pang Mapa, Mae Hong Son	x/04/1998	1A, 2J	shell
1157	<i>C. fulguratus</i> ssp. 1	Pang Sida, Sra Kaeo	08/08/1998	5A	shell
1158	<i>C. fulguratus</i> ssp. 1	Nawa, Nakhon Panom	01/05/2004	5A	shell
1159	<i>C. fulguratus</i> ssp. 1	Pangkhn, Sakon Nakhon	07/07/2004	6A, 2J	shell
1160	<i>C. fulguratus</i> ssp. 1	Pha Hom, Vang Vieng, Laos	13/01/1999	11A	shell
1161	<i>C. saturnus saturnus</i>	Pha Hom, Vang Vieng, Laos	10/01/1999	20A	shell
1162	<i>C. diplochilus</i>	Pha Hom, Vang Vieng, Laos	10/01/1999	2A	shell
1163	<i>C. siamensis</i>	Pha Hom, Vang Vieng, Laos	10/01/1999	12A	shell
1164	<i>C. fulguratus fulguratus</i>	Pha Subin, Takfar, Nakornsawan	07/04/1999	59A	shell
1165	<i>C. fulguratus</i> ssp. 1	Phu Kumkhao, Kalasin	31/07/2004	9A	shell
1166	<i>C. saturnus saturnus</i>	Doi Phu Nang National Park, Pha yao	07/08/2004	4A	shell
1167	<i>C. saturnus saturnus</i>	Doi Phu Nang National Park, Phayao	10/01/1998	17A, 11J	shell
1168	<i>C. saturnus saturnus</i>	Doi Phu Nang National Park, Phayao	18/11/1996	10A, 2J	shell
1169	<i>C. fulguratus fulguratus</i>	Phu Pha Man, Nong Bua Lamphu	13/10/1998	2A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1170	<i>C. fulguratus</i> ssp. 1	Phu Pha Man, Nong Bua Lamphu	13/10/1998	5A, 4J	shell
1171	<i>C. fulguratus</i> ssp. 1	Phu Pha Man, Nong Bua Lamphu	13/10/1998	43A	shell
1172	<i>C. fulguratus</i> ssp. 1	Phu Pha Man, Nong Bua Lamphu	14/04/1999	2A	shell
1173	<i>C. cantori</i>	Phuket	09/02/1995	1A	shell
1174	<i>C. fulguratus fulguratus</i>	Phukae Botanical Garden, Saraburi	09/08/1997	7A, 1J	shell
1175	<i>C. fulguratus fulguratus</i>	Phukae Botanical Garden, Saraburi	27/06/1998	49A	shell
1176	<i>C. fulguratus fulguratus</i>	Phumiphol dam, Tak	22/05/1998	21A, 6J	shell
1177	<i>C. courbeti</i>	Pla cave, Mae Sai, Chiang Rai	18/05/1998	3A	shell
1178	<i>C. saturnus</i> ssp. 1	Phlieu National Park, Chanthaburi	09/02/1995	2A, 3J	shell
1179	<i>C. saturnus</i> ssp. 1	Phlieu National Park, Chanthaburi	30/10/1995	2A	shell
1180	<i>C. fulguratus fulguratus</i>	Phlieu National Park, Chanthaburi	09/02/1996	3A, 1J	shell
1181	<i>C. fulguratus</i> ssp. 1	Phlieu National Park, Chanthaburi	26/04/1996	3A, 2J	shell
1182	<i>C. saturnus</i> ssp. 1	Phlieu National Park, Chanthaburi	29/10/1996	3A, 1J	shell
1183	<i>C. saturnus</i> ssp. 1	Phlieu National Park, Chanthaburi	19-20/07/1997	3A	shell
1184	<i>C. saturnus</i> ssp. 1	Phlieu National Park, Chanthaburi	15/08/1998	3A	shell
1185	<i>C. saturnus</i> ssp. 1	Phlieu National Park, Chanthaburi	09/09/1998	20A	shell
1186	<i>C. saturnus</i> ssp. 1	Phlieu National Park, Chanthaburi	18/06/1998	8A	shell
1187	<i>C. cantori</i>	Phrakayang cave, Ranong	06/03/2003	6A, 3J	shell
1188	<i>C. fulguratus fulguratus</i>	Ramkham Hang National Park, Sukhothai	04/09/2004	5A	shell
1189	<i>C. fulguratus fulguratus</i>	Ramkham Hang National Park, Sukhothai?	05/11/2004	3A	shell
1190	<i>C. fulguratus fulguratus</i>	Rayong resort, Rayong	28/05/1996	1A, 1J	shell
1191	<i>C. volvulus</i>	Rayong resort, Rayong	28/05/1996	1A, 1J	shell
1192	<i>C. malayanus</i>	Sra Morakot, Krabi	17/10/2004	12A, 3J	shell
1193	<i>C. cantori</i>	Sra Morakot, Krabi	24/07/2004	3A	shell
1194	<i>Cyclophorus</i> sp.	Sai Yok, Kanchanaburi	08/05/1999	2A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1195	<i>Cyclophorus</i> sp.	Sai Yok, Kanchanaburi	08/05/1999	12A	shell
1196	<i>C. aurantiacus</i>	Sai Yok, Kanchanaburi	08/05/1999	9A, 4J	shell
1197	<i>C. fulguratus</i> ssp. 1	Samlan National Park, Saraburi	09/08/1998	5A, 3J	shell
1198	<i>C. saturnus</i> ssp. 1	Samnaksong Krongthip, Chanthaburi	24/08/2004	1A	shell
1199	<i>C. fulguratus</i> ssp. 1	Samnaksong Krongthip, Chanthaburi	24/08/2004	3A	shell
1200	<i>C. fulguratus floridus</i>	Srisatchanalai National Park, Sukhothai	06/10/1997	131A, 42J	shell
1201	<i>C. fulguratus floridus</i>	Seechatchanalai National Park, Sukhothai	04/08/2004	3A	shell
1202	<i>Cyclophorus</i> sp.	Tam Jang M., Vang Viang, Laos	16/10/1998	30A	shell
1203	<i>Cyclophorus</i> sp.	Tham Jang M, Vang Vieng, Laos	16/10/1998	26	shell
1204	<i>C. fulguratus</i> ssp. 1	Tham Nanghong, Sakon Nakhon	30/06/2004	34A, 13J	shell
1205	<i>C. volvulus</i>	Thamadur, Lopburi	06/12/1946	5A	shell
1206	<i>C. fulguratus floridus</i>	Thamadur, Lopburi	06/12/2003	7A	shell
1207	<i>Cyclophorus</i> sp.	Tong Phaphum National Park, Kanchanaburi	09/09/1998	3A	shell
1208	<i>C. aurantiacus</i>	Tong Phaphum National Park, Kanchanaburi	09/09/1998	8A	shell
1209	<i>C. fulguratus</i> ssp. 1	Trog Nong Waterfall, Chanthaburi	19/08/2004	6A	shell
1210	<i>C. saturnus</i> ssp. 1	Trog Nong Waterfall, Chanthaburi	24/12/1995	7A, 3J	shell
1211	<i>Cyclophorus</i> sp.	Tubsathon, Kanchanaburi	24/11/1994	4A, 17J	shell
1212	<i>C. volvulus</i>	Tam Jang M., Vang Viang, Laos	17/09/2003	10A	shell
1213	<i>C. saturnus saturnus</i>	Vang Vieng, Laos	13/02/1996	11A	shell
1214	<i>C. turgidus</i>	Tamagusuku, Okinawa, Japan	13/09/1990	3A	shell
1215	<i>C. courbeti</i>	Vang Vieng, Laos	13/02/1998	7A	shell
1216	<i>Cyclophorus</i> sp. 1	Vang Vieng, Laos	16/10/1998	2A, 15J	shell
1217	<i>C. speciosus</i>	Wang Takri National Park, Nakhon Nayok	07/07/2004	12A	shell
1218	<i>C. volvulus</i>	Wang kanleuang Waterfall, Lopburi	07/07/2004	205A, 22J	shell
1219	<i>C. saturnus</i> ssp. 1	Wangtakri, Nakhon Nayok	08/07/2004	58A, 29J	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1220	<i>C. fulguratus</i> ssp. 1	Wangtakri, Nakhon Nayok	11/03/1995	4A, 2J	shell
1221	<i>C. volvulus</i>	Wararam, Suratthani	x/11/1996	2A, 3J	shell
1222	<i>C. fulguratus fulguratus</i>	Wat Houy Lung, Nakhon Sawan	17/04/1998	32A, 3J	shell
1223	<i>C. saturnus</i>	Wat Khao Sukim, Chanthaburi	24/08/2004	14A	shell
1224	<i>C. fulguratus</i> ssp. 1	Wat Khao Sukim, Chanthaburi	24/08/2004	5A	shell
1225	<i>C. fulguratus</i> ssp. 1	Wat Khao Tham Boonnak	02/06/1998	1A	shell
1226	<i>C. fulguratus</i> ssp. 1	Wat Sanggat Ratthanakiri, Uthaithani	04/09/2004	10A, 1J+7A	shell
1227	<i>C. fulguratus</i> ssp. 1	Wat Sanggat Ratthanakiri, Uthaithani	24/11/1995	6A, 6J	shell
1228	<i>C. volvulus</i>	Wat Suanmokkaplaram, Suratthani	22/12/2003	13A	shell
1229	<i>C. malayanus</i>	Wat Thamkuha, Suratthani	26/10/1997	4A, 2J	shell
1230	<i>C. diplochilus</i>	Wat Thamkuha, Suratthani	26/10/1997	1A, 1J	shell
1231	<i>C. fulguratus fulguratus</i>	Wat Thepprathan, Nakhon Sawan	08/02/1997	1A, 3J	shell
1232	<i>C. fulguratus fulguratus</i>	Wat Thepsathaporn, Uthaithani	04/09/2004	2A	shell
1233	<i>C. malayanus</i>	Khao Pu khao Ya National Park, Patthalung	21/03/1998	17A	shell
1234	<i>C. cantori</i>	Nam Tok Ngao National Park, Ranong	05/12/2004	4A	shell
1235	<i>C. borneensis</i>	Guasire, Serian, Sarawak, Malaysia	25/06/1998	5A, 2J	shell
1236	<i>C. fulguratus fulguratus</i>	Houy Kha Khang, Uthaithani	x/04/1998	4A, 1J	shell
1237	<i>C. malayanus</i>	Sra Morakot, Krabi	20/06//2004	6A	shell
1238	<i>C. orthostylus</i>	Sangkore, Sakon Nakhon	3/10/2004	11A	shell
1239	<i>C. aquilus</i>	Tioman Island, Malaysia	13/03/2004	6A	shell
1240	<i>C. cantori</i>	Koh Lanata, Kribi	3/10/2004	3A	shell
1241	<i>C. malayanus</i>	klong Sang , Suratthani	17/02/1995	14A, 3J	shell
1242	<i>C. cantori</i>	klong Sang , Suratthani	18/02/2005	1A	shell
1243	<i>C. cantori</i>	Sra Morakot, Krabi	15/10/2004	1A, 1J	shell
1244	<i>C. volvulus</i>	Ban Phe, Rayong	17/07/1998	3A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1245	<i>C. aquilus</i>	Tioman Island, Malaysia	17/04/1999	1J	shell
1246	<i>C. malayanus</i>	Pang Nga	10/12/1998	9A, 1J	shell
1247	<i>C. diplochilus</i>	Pang Nga	10/12/1998	3A	shell
1248	<i>C. fulguratus fulguratus</i>	Khao Lung, Sukhothai	04/09/2004	16A, 7J	shell
1249	<i>C. cantori</i>	Mae La Uh Waterfall, Kangrajan, Petchburi	16/07/2000	4A, 2J	shell
1250	<i>C. malayanus</i>	Donsak, Suratthani	10/02/1998	43A, 3J	shell
1251	<i>C. malayanus</i>	Nameuang Waterfall, Samui, Suratthani	29/12/1999	4A	shell
1252	<i>Cyclophorus</i> sp.	Kanchanaburi	27/09/1999	1A	shell
1253	<i>C. saturnus</i> ssp. 1	Phu Leuang, Loei	12/10/1998	6A	shell
1254	<i>C. fulguratus fulguratus</i>	Phu Khiao, Chaiyaphum	12/02/1998	2A	shell
1255	<i>C. malayanus</i>	Thammasathanphujaw, Trang	14/09/2004	1A	shell
1256	<i>C. saturnus</i> ssp. 1	Khao Chamao-Khao Wong, Chanthaburi	03/07/2000	1A, 2J	shell
1257	<i>C. fulguratus</i> ssp. 1	Khao Chakan, Srakaeo	27/07/2000	16A	shell
1258	<i>C. fulguratus</i> ssp. 1	Namnow National Park, Petchabun	14/08/1999	1A	shell
1259	<i>C. subfloridus</i>	Phu Kaew, Chaiyaphum	01/06/1990	1A	shell
1260	<i>C. malayanus</i>	Khao Phanomwang, Suratthani	13/07/2000	1A	shell
1261	<i>C. cantori</i>	Khao Phanomwang, Suratthani	13/07/2000	1A	shell
1262	<i>C. subfloridus</i>	Hulian, Viet Nam	18-21/5/1999	25A+ 8A, 2J	shell
1263	<i>C. diplochilus</i>	Pang Nga bay, Pang Nga	11/12/1998	4A	shell
1264	<i>Cyclophorus</i>	Ban Danmai, Koh Chang, Trat	03/03/1999	1J	shell
1265	<i>C. malayanus</i>	Kha Nhom, Suratthani	01/01/1999	7A	shell
1266	<i>C. saturnus</i> ssp. 1	Makok Waterfall, Chanthaburi	21/08/2004	3A	shell
1267	<i>Cyclophorus</i> sp.	Pa Hom, Vang Veing, Laos	22/08/2004	7A	shell
1268	<i>C. malayanus</i>	Mukoh Angtong, Samui Island, Suratthani	21/04/1970	25A, 3J	shell
1269	<i>C. diplichilus</i>	Mukoh Angtong, Samui Island, Suratthani	21/04/1970	20A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1270	<i>C. saturnus</i> ssp. 1	Khao Soydown, Chantaburi	18/08/1973	6A, 4J	shell
1271	<i>C. saturnus</i> ssp. 1	Meuag Leg, Nakhon Ratchasima-Saraburi	05/07/1970	1J	shell
1272	<i>C. speciosus</i>	Khao Songtham, Nakhon Nayok	22/11/1969	1A	shell
1273	<i>C. saturnus</i> ssp.1	Nang Rong Waterfall, Nakhon Nayok	22/03/1974	3A	shell
1274	<i>C. fulguratus</i>	Thepsatreesawanee school, Lopburi	10/10/1969	1A, 3J	shell
1275	<i>C. volvulus</i>	Khao Namtok thantatelkiri, Chonburi	07/01/1985	21A	shell
1276	<i>C. volvulus</i>	Thepsatreesawanee school, Lopburi	16/08/1969	3A	shell
1277	<i>C. cantori</i>	Khao Mai, Nakhon Nayok	29/03/1974	9A	shell
1278	<i>C. malayanus</i>	Klong Phanom, Suratthani	18/08/2004	20A, 1J	shell
1279	<i>C. cantori</i>	Krung Ching Waterfall, Nakhonsrithammarat	24/07/2004	14A, 1J	shell
1280	<i>C. diplichilus</i>	Donsak, Suratthani	10/02/2000	8A	shell
1281	<i>C. diplichilus</i>	Nameuang Waterfall, Samui, Suratthani	29/12/1999	1A	shell
1282	<i>C. saturnus</i> ssp.1	Kanchanaburi	20/08/2001	6A	shell
1283	<i>C. saturnus saturnus</i>	Pahom, Vang Veing, Laos	04/02/2001	10J	shell
1284	<i>C. perdix</i>	HGLIYEP, East Java	24/05/2001	2A	shell
1285	<i>C. perdix tuba</i>	South of Sumatra	29/06/2001	3A	shell
1286	<i>C. rafflesi</i>	Batu cave, Malaysia	17/05/1997	17A	shell
1287	<i>C. malayanus</i>	Khao Ogthalu, Patthalung	07/09/1969	1A	shell
1288	<i>C. courbeti</i>	Meuang On cave, Chiang Mai	11/13/2001	3A	shell
1289	<i>C. fulguratus fulguratus</i>	Khao Thamrong, Petchburi	31/01/2001	1A	shell
1290	<i>C. volvulus</i>	Koh Kram, Chonburi	22/05/2001	3A	shell
1291	<i>C. volvulus</i>	Koh Jan, Chonburi	19/05/2001	6A	shell
1292	<i>C. volvulus</i>	Khao Takratong, Nikhom, Lopburi	24/04/2001	2A, 2J	shell
1293	<i>C. malayanus</i>	Wat Kuha, Suratthani	26/10/1997	2A	shell
1294	<i>C. fulguratus fulguratus</i>	Meuang Lheg Waterfall, Saraburi	14/01/2006	1A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1295	<i>C. fulguratus fulguratus</i>	Kang Koi, Saraburi	14/06/2006	45A, 1J	shell
1296	<i>C. speciosus</i>	Krungching, Nakornsrihamarat	08/09/2013	1J	shell
1297	<i>C. malayanus</i>	Royal Fishery Department	10/06/2005	2A	shell
1298	<i>C. courbeti</i>	Tham Kongchai, Uthaitani	06/04/1995	21A	shell
1299	<i>C. malayanus</i>	Wat Suwannakuha, Pang Nga	12/12/1998	13A, 1J	shell
1300	<i>C. saturnus</i> ssp. 1	Phu Luang, Loei	14-16/8/1994	1J	shell
1301	<i>C. cantori</i>	Phi Phi Island, Krabi	28/03/1996	1J	shell
1302	<i>C. fulguratus</i> ssp. 1	Nakhon Ratchasima	31/01/1999	5A, 1J	shell
1303	<i>C. cantori</i>	Klong Phanom, Suratthani	22/08/1997	2J	shell
1304	<i>Cyclophorus</i> sp. 1	Vang Vieng, Laos	16/10/1998	2J	shell
1305	<i>C. malayanus</i>	Sumano cave, Srikarin, Patthalung	08/09/2001	1J	shell
1306	<i>C. saturnus</i> ssp. 1	Plieu National Park, Chantaburi	25/12/1995	1J	shell
1307	<i>C. volvulus</i>	Khao Khalok, Pranburi, Prachuap Kirikhan	31/03/2001	3A	shell
1308	<i>C. courbeti</i>	Khao Tagra, Nakhon Sawan	09/12/2003	14A	shell
1309	<i>C. malayanus</i>	Wat Kuhaphimuk, Yala	10/09/2001	2A	shell
1310	<i>C. cantori</i>	Wat Kuhaphimuk, Yala	09/10/2001	2A	shell
1311	<i>C. malayanus</i>	Koh Sri, Koh Ha, Songkhla lake, Patthalung	19/10/2003	9A, 1J	shell
1312	<i>C. malayanus</i>	Khao Chong, Trang	19/01/1997	1A, 1J	shell
1313	<i>C. cantori</i>	Khao Chong, Trang	19/01/1997	1A, 1J	shell
1314	<i>C. saturnus</i> ssp. 1	Phu Kradung, Loei	05/11/2004	1A	shell
1315	<i>C. dodran</i>	Bolicamsai, Viet Nam	09/05/2003	2J	shell
1316	<i>C. volvulus</i>	Koh Juang near Samaesan	26/12/1998	1A, 1J	shell
1317	<i>C. malayanus</i>	Thamsumano, Trang	13/05/1997	1J	shell
1318	<i>C. malayanus</i>	Krungching Waterfall, Nakhonsrihamarat	17/11/1998	2J	shell
1319	<i>C. cantori</i>	Kang Krajan National Park, Petchaburi	24/09/2005	3J, 9A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1320	<i>C. saturnus</i> ssp. 1	Kang Krajan National Park, Petchaburi	24/09/20050	1A	shell
1321	<i>C. volvulus</i>	Klong Sang, Suratthani	09/05/1998	1A, 1J	shell
1322	<i>C. malayanus</i>	Aw Pang-Nga National Park, Pang-Nga	10/12/1998	2A	shell
1323	<i>C. diplochilus</i>	Aw Pang-Nga National Park, Pang-Nga	10/12/1998	38A	shell
1324	<i>C. diplochilus</i>	Koh Phraw, Pang-Nga	12/11/1998	40A, 12J	shell
1325	<i>C. malayanus</i>	Koh Phraw, Pang-Nga	11/12/1998	4A	shell
1326	<i>C. volvulus</i>	Koh Phraw, Pang-Nga	19/08/1998	4A, 2J	shell
1327	<i>C. fulguratus fulguratus</i>	Khao Chakan, Srakaeo	17/04/2004	11A	shell
1328	<i>C. cantori</i>	Tham Khamint, Nasarn, Suratthani	28/12/1999	2A	shell
1329	<i>C. cantori</i>	Tham Khamint, Nasarn, Suratthani	28/12/1999	1A	shell
1330	<i>C. malayanus</i>	Koh Tao, Suratthani	06/05/2001	25A	shell
1331	<i>Cyclophorus</i>	Hulian, Viet Nam	15/05/1999	4J	shell
1332	<i>C. cantori</i>	Krungching, Nakhonsrithamarat	07/10/2005	1A	shell
1333	<i>C. fulguratus</i> ssp. 1	Moon river, Khongjiam, Ubon Ratchathani	20/05/2003	1J	shell
1334	<i>C. fulguratus fulguratus</i>	Nernmaprang sangtury, Phitsanulok	10/09/2000	21A, 2J	shell
1335	<i>C. courbeti</i>	Erawan cave, Pasang, Lamphun	22/10/2001	3A	shell
1336	<i>C. malayanus</i>	Wat Thamsuar, Karibi	08/07/2001	6J	shell
1337	<i>C. fulguratus fulguratus</i>	Khao Samokhon, Lopburi	19/08/2001	1A	shell
1338	<i>C. malayanus</i>	Le Khaokob cave, Trang	07/09/2001	4A, 1J	shell
1339	<i>C. fulguratus</i> ssp. 1	Wat Thamkuhasawan, Ubon Ratchathani	29/10/2001	1A	shell
1340	<i>C. diplochilus</i>	Wat Thamsuwankuha, Pang Nga	07/07/2001	1A	shell
1341	<i>C. fulguratus fulguratus</i>	Khao Phanompling, Sukhothai	12/03/2001	22A, 4J	shell
1342	<i>C. semisulcatus</i>	Khao Thanyong, Narathiwat	09/09/2001	29A, 16J	shell
1343	<i>C. acutimarginatus</i>	Khao Thanyong, Narathiwad	09/09/2001	1A	shell
1344	<i>C. cantori</i>	Changsri cave, Krabi	08/07/2001	3A	shell

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1345	<i>C. fulguratus</i> ssp. 1	Houyjan, Khunhan, Srisaket	30/10/2001	2A, 2J	shell
1346	<i>C. malayanus</i>	Khao Khunpanom, Nakhonsrithamarat	08/09/2001	3A	shell
1347	<i>C. cantori</i>	Khao Khunpanom, Nakhonsrithamarat	08/09/2001	1A, 1J	shell
1348	<i>C. malayanus</i>	Phurin Waterfall, Suratthani	20/09/2001	4A	shell
1349	<i>C. malayanus</i>	Wat Kuhapimuk, Yala	10/09/2001	3A	shell
1350	<i>C. malayanus</i>	Hinlad Waterfall, Samui Island	07/09/2001	6A, 2J	shell
1351	<i>C. malayanus</i>	Khao Pina, Houyyod, Trang	09/07/2001	6A, 7J	shell
1352	<i>C. cantori</i>	Khao Pina, Houyyod, Trang	09/07/2001	1A, 2J	shell
1353	<i>C. malayanus</i>	Na Meuang Waterfall, Samui, Suratthani	07/09/2001	4A, 6J	shell
1354	<i>C. malayanus</i>	Khao Ogthalu, Pathalung	27/12/2000	6A, 2J	shell
1355	<i>C. fulguratus</i> ssp. 1	Koh Khud, Trat	10/05/2000	12A	shell
1356	<i>C. diplochilus</i>	Prakayang cave, Ranong	14/12/1998	41A, 5J	shell
1357	<i>C. courbeti</i>	Pha Yao cave, Payao	20/05/1998	8A, 1J	shell
1358	<i>C. malayanus</i>	Khao Pu khao Ya National Park, Patthalung	21-22/03/1998	3J	shell
1359	<i>C. fulguratus</i> ssp. 1	Samaesarn Island Chonburi	11/03/1998	26A, 2J	shell
1360	<i>C. malayanus</i>	Khao Chong, Trang	13/11/1998	11J	shell
1361	<i>C. malayanus</i>	Khao Wangtong Nakhonsrithamarat	07/09/2001	12A	shell
1362	<i>C. cantori</i>	Khaowangtong, Nakhonsrithamarat	09/07/2001	2A	shell
1363	<i>C. saturnus</i> ssp. 1	Pa Roitoh, Chacheansao	10/05/1995	17A, 3J	shell
1364	<i>C. fulguratus</i> ssp. 1	Nong krungsri, Kalasin	07/06/2001	3A	shell
1365	<i>C. fulguratus</i> ssp. 1	Phuwiang, Khon Kaen	11/09/2004	3A	shell
1366	<i>C. speciosus</i>	Khao Cha Ngok, Nakhon Nayok	08/01/2001	14A, 1J	shell
1367	<i>C. diplochilus</i>	Boh San, Pang Nga	17/10/2004	6A, 3J	shell
1368	<i>C. malayanus</i>	Boh San, Pang Nga	17/10/2004	1A, 4J	shell
1369	<i>C. malayanus</i>	Sra Morakot, Krabi	19/10/2004	1A, 3J	shell

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1370	<i>C. cantori</i>	Sra Morakot, Krabi	19/10/2004	6A	shell
1371	<i>C. cantori</i>	Wat kiriwong, Pang Nga	17/10/2004	2A	shell
1372	<i>C. malayanus</i>	Namphud cave, Pang Nga	17/10/2004	3A	shell
1373	<i>C. cantori</i>	Namphud cave, Pang Nga	17/10/2004	10A	shell
1374	<i>Cylophorus</i>	Huay Khakang	18/02/2001	1J	shell
1375	<i>C. malayanus</i>	Krung Ching Waterfall, Nakhonsrithammarat	25/08/2004	1J	shell
1376	<i>C. fulguratus fulguratus</i>	Tham Khaobin, Ratchaburi	10/10/2004	44A, 3J	shell
1377	<i>C. saturnus</i> ssp. 1	Plio National Park, Chanthaburi	17/7/2000	50A, 6J	shell
1378	<i>C. malayanus</i>	Phung Chang cave, Pang Nga	22/12/2003	3J	shell
1379	<i>C. cantori</i>	Phung Chang cave, Pang Nga	22/12/2003	7A	shell
1380	<i>C. diplocilus</i>	Koh Si, Similan, Pang Nga	22/12/2003	1A, 1J	shell
1381	<i>C. diplochilus</i>	Wat kiriwong, Pang Nga	23/12/2003	2A	shell
1382	<i>C. malayanus</i>	Wat kiriwong, Pang Nga	23/12/2003	2A, 1J	shell
1383	<i>C. volvulus</i>	Wangkanleuang Np., Lopburi	12/05/2003	86A 3J	shell
1384	<i>C. saturnus saturnus</i>	Thansawan Waterfall, Pa Yao	12/03/1997	12A, 1J	shell
1385	<i>C. fulguratus</i> ssp. 1	Phu Angsor, Sakon Nakhon	08/08/2000	38A, 3J	shell
1386	<i>C. aurantiacus</i>	Pala Uh Waterfall, Phetchaburi	08/02/1994	9A, 7J	shell
1387	<i>C. cantori</i>	Pala Uh Waterfall, Phetchaburi	08/02/1994	33A, 4J	shell
1388	<i>C. malayanus</i>	Khao Ogthalu, Pang Nga	01/04/2000	10A, 1J	shell
1389	<i>C. courbeti</i>	Leuang Phrabang, Laos	07/09/2000	9A	shell
1390	<i>C. aurantiacus</i>	Pala Uh Waterfall, Phetchaburi	13/05/1995	2A, 2J	shell
1391	<i>C. cantori</i>	Pala Uh Waterfall, Phetchaburi	13/05/1995	8A, 1J	shell
1392	<i>C. malayanus</i>	Botanical Garden, Trang	06/08/1999	1A	shell
1393	<i>C. malayanus</i>	Klon Sang, Suratthani	18/10/2000	3A	shell
1394	<i>C. courbeti</i>	Brijinda cave, Inthanon, Chiang Mai	09/08/1994	1A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1395	<i>C. saturnus saturnus</i>	Pha Hom, Vang Vieng, Laos	13/06/1999	8A, 1J	shell
1396	<i>C. courbeti</i>	Doi Angkhang, Phang, Chiang Mai	16/05/2000	3A	shell
1397	<i>C. speciosus</i>	Khao Yai	09/04/2000	2A	shell
1398	<i>C. fulguratus</i> ssp. 1	Phusrithan, Kuchinarai, Kalasin	21/01/2000	8A	shell
1399	<i>C. fulguratus</i> ssp. 1	Nawa, Nakorn Panom	25/07/2004	5A, 1J	shell
1400	<i>C. cf. acutimarginatus</i>	Halabala, Narathiwat	14/04/1998	3A	shell
1401	<i>C. fulguratus fulguratus</i>	Wat Thamsur, Suphanburi	21/08/19990	20A	shell
1402	<i>C. fulguratus fulguratus</i>	Wat Thamweruwan, Suphanburi	21/10/1997	1A	shell
1403	<i>C. fulguratus fulguratus</i>	Phukae Botanical Garden., Saraburi	05/08/2001	5A	shell
1404	<i>C. malayanus</i>	Samui, Suratthani	10/11/2000	6A	shell
1405	<i>C. fulguratus</i> ssp. 1	Khao Chakan, Srakaeo	07/04/2000	10A	shell
1406	<i>C. fulguratus fulguratus</i>	Khao Tagrup, Chachoengsao	25/09/2003	2A	shell
1407	<i>C. fulguratus</i> ssp. 1	Khao Angruenai, Chachoengsao	07/04/2000	29A, 1J	shell
1408	<i>C. subfloridus</i>	Phra Nakhonkiri	06/02/1995	6A, 4J	shell
1409	<i>C. saturnus</i> ssp. 1	Phutouy, Suphanburi	28/09/1999	3A	shell
1410	<i>C. fulguratus</i> ssp. 1	Srikhorapum, Surin	10/09/2004	6A	shell
1411	<i>C. cantori</i>	Aw Pang-Nga National Park, Pang-Nga	11/02/1998	15A	shell
1412	<i>C. fulguratus fulguratus</i>	Phukae Botanical Garden., Saraburi	10/04/2004	1A, 1J	shell
1413	<i>C. saturnus</i> ssp. 1	Guangsri Waterfall, Saraburi	20/07/1997	4A, 1J	shell
1414	<i>C. fulguratus</i> ssp. 1	Wat Chao	10/07/1998	6A	shell
1415	<i>C. malayanus</i>	Wat Chao	10/07/1998	1A	shell
1416	<i>C. fulguratus fulguratus</i>	Wat Samroyod, Prachuap Keri	11/04/2004	6A	shell
1417	<i>C. fulguratus fulguratus</i>	Khao Angruenai, Choengsao	09/05/2000	1A	shell
1418	<i>C. malayanus</i>	Chalerm Ratthanagosin National Park	10/04/2000	4A, 2J	shell
1419	<i>C. courbeti</i>	Pum cave, Maesai, Chiang Rai	18/05/1998	2A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1420	<i>C. fulguratus fulguratus</i>	Khao Wang, Phetchaburi	02/08/1998	1A	shell
1421	<i>C. saturnus</i> ssp. 1	Khao Lukchang	09/04/2000	2A	shell
1422	<i>C. saturnus saturnus</i>	Thinglaos cave	26/07/1999	1A	shell
1423	<i>C. diplochilus</i>	Donsak, Suratthani	10/09/2000	3A	shell
1424	<i>C. malayanus</i>	Donsak, Suratthani	10/09/2000	24A	shell
1425	<i>C. malayanus</i>	Nameuang Waterfall, Samui, Suratthani	11/07/2000	6A	shell
1426	<i>C. saturnus</i> ssp. 1	Phu Kradung, Loei	04/05/2004	5A	shell
1427	<i>C. fulguratus floridus</i>	Srisatchanalai National Park, Sukhothai	07/08/2000	8A, 21J	shell
1428	<i>C. fulguratus fulguratus</i>	Phunamtok, Saraburi	15/10/2004	5A, 1J	shell
1429	<i>C. fulguratus fulguratus</i>	Wat Houy Lung, Nakhon Sawan	06/10/1999	37A, 2J	shell
1430	<i>C. fulguratus fulguratus</i>	Srisatchanalai National Park, Sukhothai	05/10/1999	7A, 1J	shell
1431	<i>C. cantori</i>	Nan	26/08/2005	4A	shell
1432	<i>C. malayanus</i>	Khao Thalu, Phatthalung	09/04/2000	1A	shell
1433	<i>C. volvulus</i>	Koh Samaesan, Chonburi	14/08/1998	13A	shell
1434	<i>C. saturnus saturnus</i>	Pum cave, Maesai, Chiang Rai	05/05/2000	2A	shell
1435	<i>C. fulguratus fulguratus</i>	Wat Theppitakpunwararam, Nakhon Sawan	09/09/2000	5A	shell
1436	<i>C. malayanus</i>	Khamint cave, Nasar, Suratthani	15/04/2000	1A	shell
1437	<i>Cyclophorus</i> sp.	Khao Chongkad, Sai Yok, Kanchanaburi	05/07/2000	5A	shell
1438	<i>C. fulguratus fulguratus</i>	Wat Phuyhin, Chiang Mai	20/06/1994	2A, 4J	shell
1439	<i>C. malayanus</i>	Kuan Kalong, Satun	11/10/1999	1A, 4J	shell
1440	<i>C. malayanus</i>	Koh Sri, Koh Ha, Songkhla lake, Patthalung	24/07/1998	5A, 1J	shell
1441	<i>C. cantori</i>	Aw Pang-Nga National Park, Pang-Nga	11/12/1998	3A	shell
1442	<i>C. malayanus</i>	Thammasathanphujaw, Trang	11/04/2000	3A, 2J	shell
1443	<i>C. cantori</i>	Thammasathan Phujaw, Trang	11/04/2000	2A	shell
1444	<i>C. fulguratus fulguratus</i>	Khao Angruenai, Chachoengsao	19/15/2000	15A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1445	<i>C. courbeti</i>	Doi Angkhang, Phang, Chiang Mai	15/03/2000	3A	shell
1446	<i>C. diplochilus</i>	Pang Nga National Park, Pang Nga	10/12/2001	12A	shell
1447	<i>C. volvulus</i>	Koh Jhan near Samaesan, Choburi	17/12/1998	15A, 1J	shell
1448	<i>C. fulguratus</i> ssp. 1	Ban Dursrikanchai, Sakon Nakhon	10/11/2005	4A	shell
1449	<i>C. fulguratus</i> ssp. 1	Ubonrat Dam	17/10/2003	1A	shell
1450	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Petchaburi	20/08/2004	8A, 3J	shell
1451	<i>C. saturnus</i> ssp. 1	Khao Wong, Chanthaburi	24/08/2004	6A	shell
1452	<i>Cyclophorus</i>	Khao Pu khao Ya National Park, Patthalung	21-22/3/1998	32J	shell
1453	<i>C. saturnus saturnus</i>	Lamnamkok National Park, Chiang Rai	05/07/1998	4A	shell
1454	<i>C. malayanus</i>	Phatthalung	13/05/1997	1A, 1J	shell
1455	<i>C. aurantiacus</i>	Kang Krajan National Park, Phetchaburi	19-21/8/1998	1A, 1J	shell
1456	<i>C. diplochilus</i>	Kha Nhom, Nakhonsrithammarat	04/01/1999	1A	shell
1457	<i>Cyclophorus</i>	Phu Pha Man, Khon Kaen	13/10/1991	2J	shell
1458	<i>C. saturnus saturnus</i>	Khao Lukchang, Nakhon Ratchasima	18/10/1998	179A, 39J	shell
1459	<i>C. diplochilus</i>	Aw Pang-Nga National Park, Pang-Nga	10/12/1998	7A	shell
1460	<i>C. cantori</i>	Sra Morakot, Krabi	09/7/1998	1A	shell
1461	<i>Cyclophorus</i>	Wat Cha Ang On	04/03/1999	1J	shell
1462	<i>C. cantori</i>	Pongphuron, Ranong	11/10/2000	10A, 1J	shell
1463	<i>C. saturnus saturnus</i>	Mae Moh, Lampang	21/05/1998	3A	shell
1464	<i>C. fulguratus</i> ssp. 1	Khao Nang Ram, Uthaitхани	3-4/03/1995	1A	shell
1465	<i>C. saturnus</i> ssp. 1	no locality	15/10/2030	7A	shell
1466	<i>C. saturnus</i> ssp. 1	Houy Kha Khang, Uthaitхани	09/05/1998	9A	shell
1467	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Phetchaburi	19-21/8/1998	2A	shell
1468	<i>Cyclophorus</i> sp.	Sai Yok, Kanchanaburi	18/07/1998	1A	shell
1469	<i>C. speciosus</i>	Wat Tham Khaogrep	17/07/2034	5A	shell

CUMZ	Species	Locality	Date	Specimens	Remark
1470	<i>C. cantori</i>	Wat Tham Khaogrep	17/07/2034	7A	shell
1471	<i>C. cantori</i>	Krung Ching Waterfall, Nakhonsrithammarat	09/08/1994	1J	shell
1472	<i>C. malayanus</i>	Chalermprak, Sriracha	10/11/1960	1A	shell
1473	<i>C. speciosus</i>	Chalermprak, Sriracha	10/11/1960	1A	shell
1474	<i>C. cantori</i>	Pang Nga National Park, Pang Nga	29/05/1990	1A	shell
1475	<i>C. cantori</i>	Mokkaplarham	20/02/1995	2A	shell
1476	<i>C. fulguratus fulguratus</i>	Srisatchanalai National Park, Sukhothai	12/08/2041	1A	shell
1477	<i>C. fulguratus</i>	Chiwan, Udornthani	03/06/2004	5A, 1J	shell
1478	<i>C. fulguratus fulguraatus</i>	Thantnakiri Waterwall, Chonburi	01/07/1985	1A, 1J	shell
1479	<i>C. siamensis</i>	Tam Jang M., Laos	16/10/1998	26A	Shell
1480	<i>C. saturnus</i> ssp.1	Houy Khakang	09/05/1998	4A	Shell
1481	<i>C. malayanus</i>	Khao Sok National Park, Suratthani	24/03/1995	1A	Shell
1482	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Petchaburi	08/10/2005	2A	Shell
1483	<i>C. fulguratus fulguratus</i>	Phu care, Saraburi	27/06/1998	7J	Shell
1484	<i>C. malayanus</i>	Boh San Waterfall, Pang Nga	17/10/2004	6A, 4J	Shell
1485	<i>C. courbeti</i>	Phu Kiew, Chaiyaphum	12/02/1998	9A, 2J	Shell
1486	<i>Cyclophorus</i> sp.	Kang Krajan National Park, Petchaburi	02/03/1998	5A	Shell
1487	<i>C. saturnus saturnus</i>	Khao Soydown, Chanthaburi	18/08/-	5A, 5J	Shell
1488	<i>C. malayanus</i>	Sramorakot, Krabi	19/10/2004	1A, 4J	Shell
1489	<i>C. fulguratus fulguratus</i>	Khao Noi, akhon Sawan	17/04/1999	1J	Shell
1490	<i>C. malayanus</i>	Pang Nga	11/02/1998	21A	Shell
1491	<i>C. saturnus saturnus</i>	Kang Koi, Saraburi	28/12/1999	10A	Shell
1492	<i>C. fulguratus</i> ssp.1	Chaiwan District, Udonthani	03/06/2004	5A, 1J	Shell
1493	<i>C. courbeti</i>	Doi Angkhang, Chiang Mai	15/03/2000	3A	Shell
1494	<i>Cyclophorus</i> sp.	Sai Yok, Kanchanaburi	05/05/2000	2A	Shell

APPENDIX II

STATISTIC ANALYSIS OF FIVE CHARACTERS

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
SH/SW	Between Groups	1.467	14	.105	146.990	.000
	Within Groups	.244	342	.001		
	Total	1.710	356			
SP/SW	Between Groups	.246	14	.018	93.629	.000
	Within Groups	.064	342	.000		
	Total	.310	356			
AH/SW	Between Groups	.390	14	.028	17.733	.000
	Within Groups	.537	342	.002		
	Total	.927	356			
AW/SW	Between Groups	.274	14	.020	90.154	.000
	Within Groups	.074	342	.000		
	Total	.349	356			
MI/SW	Between Groups	.189	14	.014	37.076	.000
	Within Groups	.125	342	.000		
	Total	.314	356			

Post Hoc Tests

SH/SW

Duncan

SPECIES	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
14.00	15	.6973						
8.00	37	.7057						
3.00	28		.7249					
2.00	20			.7516				
9.00	27			.7543				
15.00	15			.7676				
11.00	22				.8065			
10.00	22				.8135			
4.00	20				.8224			
13.00	19					.8392		
12.00	26					.8455	.8455	
5.00	15						.8568	
1.00	30							.8737
7.00	29							.8755
6.00	32							.8849
Sig.		.299	1.000	.059	.061	.436	.158	.193

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 22.031.

b The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

SP/SW

Duncan

SPECIES	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
3.00	28	.5170						
8.00	37	.5177						
2.00	20	.5212						
9.00	27		.5310					
10.00	22			.5416				
4.00	20				.5531			
15.00	15				.5563			
6.00	32					.5679		
12.00	26					.5689		
13.00	19					.5691		
5.00	15					.5701		
14.00	15					.5755	.5755	
11.00	22						.5792	
1.00	30							.5891
7.00	29							.5923
Sig.		.344	1.000	1.000	.440	.103	.368	.442

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 22.031.

b The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

AH/SW

Duncan

SPECIES	N	Subset for alpha = .05					
		1	2	3	4	5	6
3.00	28	.5141					
14.00	15	.5187					
9.00	27		.5444				
8.00	37		.5482	.5482			
2.00	20		.5648	.5648	.5648		
10.00	22		.5677	.5677	.5677		
7.00	29			.5706	.5706		
4.00	20				.5777		
15.00	15				.5788		
1.00	30				.5794		
11.00	22				.5816		
6.00	32				.5856	.5856	
12.00	26				.5909	.5909	
13.00	19					.6073	
5.00	15						.6776
Sig.		.695	.074	.088	.065	.086	1.000

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 22.031.

b The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

AW/SW

Duncan

SPECIES	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
3.00	28	.4915								
14.00	15		.5273							
8.00	37		.5301							
2.00	20			.5407						
7.00	29			.5439						
9.00	27			.5441						
11.00	22				.5539					
10.00	22				.5565					
4.00	20				.5572					
1.00	30				.5587	.5587				
15.00	15					.5674	.5674			
6.00	32					.5697	.5697			
12.00	26						.5817			
13.00	19							.5925		
5.00	15									.6197
Sig.		1.000	.526	.479	.331	.051	.611	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 22.031.

b The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

MI/SW

Duncan

SPECIES	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
9.00	27	.7273								
13.00	19	.7364	.7364							
5.00	15		.7413							
2.00	20		.7479	.7479						
10.00	22			.7553	.7553					
15.00	15			.7553	.7553					
11.00	22				.7654	.7654				
8.00	37				.7669	.7669				
4.00	20					.7757	.7757			
12.00	26					.7763	.7763			
6.00	32						.7839	.7839		
3.00	28						.7869	.7869	.7869	
14.00	15							.7949	.7949	.7949
1.00	30								.7986	.7986
7.00	29									.8063
Sig.		.118	.059	.226	.066	.083	.075	.069	.056	.063

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 22.031.

b The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

BIOGRAPHY

Ms. Bang-on Kong-im was born on the 17th of February 1975. She received her Bachelor's Degree and Master Degree of Science from Department of Biology, Faculty of Science Khon Kaen University in 1997 and 2000, respectively. She was awarded the scholarship by the Royal Golden Jubilee (Ph.D. Program) of the Thailand Research Fund for his Ph.D. study in Biological Science Program at Faculty of Science Chulalongkorn University.

