**Appendix 1**

Material examined of *Cassidulus* *caribaearum* and *Rhyncholampas* *pacifica*

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| Species | Catalog number | Locality | Depth | Specimens |
| *C*. *caribaearum* | ICML-UNAM 4.96.0 | La Bocana, Puerto Morelos, Quintana Roo, Mexico (20°57’19.9” N & 86°49’31” W) | - | 4 (Dry) |
| *C*. *caribaearum* | ICML-UNAM 4.96.1 | Bocana de Punta Nizuc, Puerto Morelos, Quintana Roo, Mexico (21°00’59.9” N & 86°47.14’15.0” W) | 3.4 m | 851 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.3 | Muelle de Cabos, Puerto Morelos, Quintana Roo (20°49’41.5” N & 86°52’37.2” W) | 6 m | 2 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.4 | Muelle de Cabos, Puerto Morelos, Quintana Roo, Mexico (20°49’41.5” N & 86°52’37.2” W) | 6 m | 4 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.5 | Muelle de Cabos, Puerto Morelos, Quintana Roo, Mexico (20°49’41.5” N & 86°52’37.2” W) | - | 7 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.6 | Bocana de la Barranza, Puerto Morelos, Quintana Roo, Mexico (21°00’57.6” N & 86°47’07.0” W) | 3.5 m | 164 (12 dry; 152 Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.9 | Infront of Islote, Puerto Morelos, Quintana Roo, Mexico (20°55’40.8” N & 86°49’19.2” W) | 12 m | 6 (Dry) |
| *C*. *caribaearum* | ICML-UNAM 4.96.10 | Bocana de la Barranza, Puerto Morelos, Quintana Roo, Mexico (20°58’06.1” N & 86°58’57.9” W) | 5 m | 240 (Ethanol) |
| *C*. *caribaearum* | ICMl-UNAM 4.96.11 | South of Bocana de la Barranza, Puerto Morelos, Quintana Roo, Mexico (20°57’17.9” N & 86°49’31.0” W) | 3.6-4.5 m | 77 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.12 | South of Bocana de la Barranza, Puerto Morelos, Quintana Roo, Mexico (20°57’17.9” N & 86°49’31.0” W) | 4 m | 2 (Dry) |
| *C*. *caribaearum* | ICML-UNAM 4.96.13 | South of Bocana de la Barranza, Puerto Morelos, Quintana Roo (20°57’17.9” N & 86°49’31.0” W) | 3.6-4.5 m | 21 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.14 | Bocana de la Barranza, Puerto Morelos, Quintana Roo, Mexico (20°58’06.1” N & 86°58’57.9” W) | 5 m | 34 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.15 | Bocana de Punta Nizuc, Puerto Morelos, Quintana Roo, Mexico (21°00’57.6” N & 86°47’07.0” W) | 5 m | 27 (Dry) |
| *C*. *caribaearum* | ICML-UNAM 4.96.16 | Punta Maroma, Puerto Morelos, Quintana Roo, Mexico (20°43’55.3” N & 86°57’39.4” W) | 2-3 m | 27 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.17 | Bocana de Punta Nizuc, Puerto Morelos, Quintana Roo, Mexico (21°00’57.6” N & 86°47’07.0” W) | 5 m | 67 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.18 | Between Muelle de Cubas and Villas Marinas, Puerto Morelos, Quintana Roo, Mexico (20°49’41.5” N & 86°52’37.2” W) | 9 m | 240 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.20 | ICML Station, Puerto Morelos, Quintana Roo, Mexico (20°52’22.8” N & 86°51’56.7” W) | 3 m | 1 (Dry) |
| *C*. *caribaearum* | ICML-UNAM 4.96.21 | Jardines, Puerto Morelos, Quintana Roo, Mexico (20°51’15.14” N & 86°51’54.67” W) | 8 m | 6 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.22 | Jardines, Puerto Morelos, Quintana Roo, Mexico (20°51’15.14” N & 86°51’54.67” W) | 3 m | 7 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.23 | Arenosos, Puerto Morelos, Quintana Roo, Mexico (20°52’23.1” N & 86°50’36.6” W) | 19 m | 7 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.24 | Bocana chica, Puerto Morelos, Quintana Roo, Mexico (20°52’33.27” N & 86°50’52.52” W) | 13 m | 48 (Ethanol) |
| *C*. *caribaearum* | ICML-UNAM 4.96.25 | Arenosos, Puerto Morelos, Quintana Roo, Mexico (20°52’23.1” N & 86°50’36.6” W) | - | 1 (Dry) |
| *C*. *caribaearum* | ICML-UNAM 11063 | La Boya, Akumal, Quintana Roo, Mexico (20°23’34.7” N & 87°18’40.65” W) | 10 m | 11 (Ethanol) |
| *R. pacifica* | ICML-UNAM 4.48.0 | Infront of Punta Barron to Barra Chametla, Mazatlan, Sinaloa, Mexico (23°06’ N & 106°50’ W) | - | 3 (Dry) |
| *R. pacifica* | ICML-UNAM 4.48.1 | Acapulco, Guerrero, Mexico (16°30’ N & 99°53’ W) | - | 1 (Dry) |
| *R. pacifica* | ICML-UNAM 4.48.2 | Playa Azul, Acapulco, Guerrero, Mexico (16°50’ N & 99°53’ W) | - | 29 (Dry) |
| *R. pacifica* | ICML-UNAM 4.48.3 | Ixtapa Zihuatanejo, Guerrero, Mexico (17°42’ N & 101°38’ W) | - | 1 (Ethanol) |
| *R. pacifica* | ICML-UNAM 4.48.4 | Puerto Marquez, Acapulco, Guerrero, Mexico (16°47’ N & 99°50’ W) | - | 2 (Dry) |
| *R. pacifica* | ICML-UNAM 4.48.5 | Cabo San Lucas, Baja California Sur, Mexico (22°54’ N & 109°53’ W) | - | 1 (Dry) |
| *R. pacifica* | ICML-UNAM 4.48.6 | Acapulco, Guerrero, Mexico (16°49’48.18” N & 99°54’3.84” W) | 66.83 m | 19 (Ethanol) |
| *R. pacifica* | ICML-UNAM 4.48.7 | Acapulco, Guerrero, Mexico (16°49’47.94” N & 99°54’7.26” W) | 66.83 m | 10 (Ethanol) |
| *R. pacifica* | ICML-UNAM 4.48.8 | Acapulco, Guerrero, Mexico(16°49’47.94” N & 99°54’7.26” W) | 66.83 m | 1 (Ethanol) |
| *R. pacifica* | ICML-UNAM 4.48.9 | Playa Caleta, Acapulco, Guerrero, Mexico(16°49’47.94” N & 99°54’7.26” W) | 10.7 m | 10 (Dry) |
| *R. pacifica* | ICML-UNAM 4.48.10 | Playa Norte, Isla Socorro, Colima, Mexico(18°51’56.30” N & 110°59’16.51” W) | 1.5 m | 4 (Dry) |