PILSBRY
Pacific Island Land Snail Biodiversity Repository

Biodiversity Hotspots

Conservation International (conservation.org) defines 34 biodiversity hotspots — extraordinary places that harbor vast numbers of plant and animal species found nowhere else. All are severely threatened by habitat loss and degradation, making their conservation crucial to protecting nature for the benefit of all life on Earth.
ESA listed species
US Pacific Islands (~600)
Hawaii only (~500)
US mainland (~1000)
Pacific Island Land Snail Diversity

> 6000 species
• Most extinctions of any animal group since the 1500s

• Most of the extinctions:
  • Terrestrial
  • Pacific Islands
Species Evaluated

Species as Assessed:

- Mammalia: 100%
- Myxini: 94%
- Chondrichthyes: 87%
- Aves: 85%
- Amphibia: 85%
- Cephalaspidomorphi: 76%
- Sarcopterygii: 63%
- Actinopterygii: 59%
- Annelida: 51%
- Mollusca: 11%
- Cnidaria: 10%
- Onychophora: 8%
- Echinodermata: 6%
- Arthropoda: 5%
- Nemertea: 1%
- Platyhelminthes: 1%
- Nematoda: 0%

IUCN 2018
Develop an online portal to disseminate information
Taxonomic Authority File (5,595 names)

'Ach ? apexfulva var.'
Ach apexfulva var.
Ach. ? apexfulva var?
Ach. apexfulva var.
Achatinella (Achatinella) apexfulva
Achatinella (s.s.) a
Achatinella (s.s.) a.
Achatinella (s.s.) apexfulva
Achatinella (s.s.) apexfulva (C.M.C.)
Achatinella (s.s.) apexfulva C.M.C.
Achatinella (s.s.) apexfulva (C.M.C.)
Achatinella (s.s.) apexfulva subspecies?
Achatinella (s.s.) apexfulva var.
Achatinella (s.s.) apexfulva?
Achatinella (s.s.) apexfulva? Var.?
Achatinella ? apexfulva
Achatinella a
Achatinella apexfulva
Achatinella apexfulva (Dixon)
Achatinella apexfulva (Dixon, 1789)
Achatinella apexfulva Dixon
Achatinella apexfulva var.
Digitize and Enhance Specimen Records (3.6 million specimens)

• Current total: 3,361,547 specimens
• Linking habitat data, field notes, ledgers, georeferencing localities
20 Ledgers

- 5,535 ledger pages
- 95% specimen records
Bernice Pauahi Bishop Museum, Malacology (BPBM:MAL)

Catalog #: 57931  
Occurrence ID (GUID): 97660981-d14e-4646-9d48-fbe680337815  
Taxon: Partulina terebra Newcomb, 1894  
Family: Achatinellidae  
  - Show Determination History  
Type Status: treat as paratypes  
Collector: Newc. Colln. 113  
Additional Collectors: Gov'T. Colln.  
Locality: United States, Hawaii, Maui County, Maui  
  20.79274 -156.35823  
Substrate: Terrestrial  
Dry Count: 2  
Notes: Col. made by Wellesley Newcomb & was in Gov't. coll. that came to Museum, 147 spms., 46 cat. nos., rec'd. abt. 1894. ; The reason that some of the spec. are wrongly named by Newcomb is that the shells & labels were mixed while in Gov't hands or on transfer to the Museum. CMC

Specimen Images

Open Large Image

Open Large Image
Hawaiian Gazetteer
### Workbench

<table>
<thead>
<tr>
<th>9 possible locations found</th>
<th>History</th>
<th>Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community: PILSBRY</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- East Maui, Hana District, Kipahulu Valley, Palihoa Stream; United States; Hawaii; Maui County; Aug/1967

- Similar Records(1)
  - Identical Records(0)

### GEO Locate

- Specimens: 169,228
- Corrected: 30,483
- Skipped: 195
- Total processed: 30,678

- Localities: 36,314
- Corrected: 4,623
- Skipped: 64
- Total processed: 4,687

### PILSBRY

- Pacific Island Land Snail Biodiversity Repository

### Calculated Coordinates
- Lat: 20.699006
- Lon: -156.073823
- U. Radius: 9036 m

### Options
- Draw polygon
- Place marker
- Measure

### Log in
- logged in as sunray1
Species Distribution

Achatinella apexfulva

Achatinella apexfulva simulans
Achatinella apexfulva cestus

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Pacific Island Land Snail Biodiversity Repository
Broader impacts (test case):
147 BPBM botany records georeferenced by interns based on updated gazetteer
Social Media – Data Dissemination and Public Engagement

Natural History Imaging Workshop

What: Imaging Workshop: Specimen Photography in Museum Collections
Who: Hosted by PILSBry TCN (Paul Callomon of ANSP), Invitation open
When: June 22
8:30am HST/2:30pm EST
Where: Zoom!

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Hawaiian Land Snail Conservation
@Hawaiian.Land.Snails - Environmental Conservation Organization

Pacific Island Land Snail Conservation
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