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Pacific Sideband

Monadenia fidelis

A member of the family Xanthonychidae (“air-breathing land snails”) this is the largest native terrestrial snail in BC. *Monadenia* species create “love darts”, tiny hardened projectiles used during courtship. Formerly provincially blue listed (special concern) this species is now considered secure, but due to its unique nature we have decided to continue profiling it!



Ryan Durand



Adult shell with flaking W. Siegmund
Wikipedia



Pale colour variant Gord Gadsden



Arboreal acrobatics Gord Gadsden



Arboreal acrobatics Caroline Astley



Shell aperture Pamela Zevit



Grazing on tree trunk Pamela Zevit



Non-banded pale form K. Ovaska

Characteristics

A “pulmonate” snail, this species has evolved their mantle cavity into a lung (instead of gills as still found in some snails). Breathing is through a single opening on the right side of the body which either remains open or opens and closes. *Shell diameter 3.5 cm+, shell diameter is 1.3 to 1.5 times shell height.* The largest land snail in BC, the shell has 6.5 to 7 whorls with a thin black line along the bottom of each whorl. Shell colour ranges from chestnut to dark rose with vertical bands (sometimes lacking). Light, mustard coloured individuals are common at some localities; these light individuals lack the characteristic banding. Some island populations may have pale white shells with dark whorl lines. The body of this snail is rosy-pink or pinkish-brown and the surface of the flesh looks deeply wrinkled or “pebbly” in texture. The aperture lip of the adult shell is thin, not thickened or flared as with Oregon forestsnail.

Status

Global Status:	G4G5
Provincial Status:	S4
BC List Status:	Yellow (Not at risk of extinction)

Resources

DRAFT Gastropod Best Practices Guidebook: Oregon Forestsnail and other land snails at risk in the Coastal Lowlands of BC Habitat Assessment of the Pacific Sideband (Monadenia fidelis) In the Lower Fraser Valley British Columbia Snail Key for the South Coast - Fraser Valley Conservancy

For further information see

Molluscs of Canada

Conservation at a slow pace: terrestrial gastropods facing fast-changing climate

The climate is changing rapidly, and terrestrial ectotherms are expected to be particularly vulnerable to changes in temperature and water regime, but also to an increase in extreme weather events in temperate regions. Physiological responses of terrestrial gastropods to climate change are poorly studied.

BC Species and Ecosystems Explorer: Species and Ecosystems Search

A source for authoritative conservation information on thousands of plants and animals and hundreds of ecological communities in BC. From here connect to all provincial and federal recovery plans (including the SARA Registry), COSEWIC (Committee on the Status of Endangered Wildlife in Canada), Identified Wildlife guidance and conservation requirements for specific species and ecological communities of conservation concern impacted by forestry activities) and links to E-Flora and E-Fauna (the Electronic Atlas of the Plants and Wildlife of British Columbia).

British Columbia’s Coast Region Species & Ecosystems of Conservation Concern

A joint venture resource providing comprehensive information on a range of species and ecological communities specific to the Coast Region of BC (including the South, Central and North Coast, Vancouver Island and Haida Gwaii).

Develop With Care Guidelines (see Lower Mainland Region section)

Environmental guidelines for urban and rural land development in BC.

Species at Risk & Local Governments a Primer for BC

Learn what species are at risk in your area, search by name, habitat type, regional district and forest district.

E-Flora the electronic atlas of the Flora of BC

A volunteer-driven GIS-based biogeoclimatic atlas of the vascular plants, fungi, algae, bryophytes and lichens of BC.

Credits

First edition Prepared in 2010 by Pamela Zevit RPBio for the South Coast Conservation Program (SCCP) with Kristiina Ovaska and Lennart, Sopuck Biolinx Environmental, in partnership with: International Forest Products (Interfor), Capacity Forestry (CapFor). Original funding was made possible through the **Sustainable Forestry Initiative (SFI)**

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Source URL: <http://sccp.ca/species-habitat/pacific-sideband>

Links

[1] <http://www.mollus.ca/canada/species/monfid.htm>

[2] <https://academic.oup.com/conphys/article/3074430/Conservation-at-a-slow-pace-terrestrial-gastropods>

[3] <http://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/conservation-data-centre/explore-cdc-data/species-and-ecosystems-explorer>

[4] <http://www.geog.ubc.ca/biodiversity/factsheets/>

[5] http://www.env.gov.bc.ca/wld/documents/bmp/devwithcare2006/develop_with_care_intro.html

[6] <http://www.speciesatrisk.bc.ca/>

[7] <http://www.sfiprogram.org/>

[8] <mailto:info@sccp.ca>