Newly Discovered Benthic Marine Algae of the Aleutian Islands

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- Over 900 specimens of algae.
- Specimens were preserved in silica gel and pressed on paper for genetic and taxonomic analyses.
- 150 different species of benthic marine algae were identified.

EMAP Survey

- During the summers of 2006-07, ADEC surveyed the Aleutian Islands as part of the EPA’s Environmental Monitoring and Assessment Program (EMAP).
- Algae were collected from 97 sites on 24 different islands, including intertidal and subtidal locations.

The Collection

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Range Extensions

Fifty-two new distribution records

- Agarum turneri
- Postels & Ruprecht

- Attu Is.
- Bering Sea
- Unimak Is.
- Atka Is.
- Pacific Ocean

- 500 km

- New Species

Sixteen new species of benthic marine algae

- List of new species
  - Aurephycus aleuticus
  - Callithamnion sp
  - Delesseria sp
  - Dudresnaya sp
  - Hymenena sp
  - Kallymeniopsis sp
  - Kallymeniaceae
  - "Ugly weed"
  - Loranthophycus sp
  - Mastocarpus sp
  - Myriogramme kjellmanianum
  - Mazzaelia sp
  - Palmaria sp
  - Porphyra sp. (near P. abbottiae)
  - Porphyra sp. (closest relative: P. aestivialis)
  - Porphyra sp. (near P. pseudolinearis)
  - Schizymenia sp

- Myriogramme kjellmanianum nomen nudum

- Aleutian Endemics

Nine of the new species occur only in the Aleutians

- Belongs to the Family Kallymeniaceae

- Hymenena sp.

- New species, b new genus, c Aleutian endemic