

The Algae of New Jersey (U.S.A.)
IV. Phaeophyta (Brown Algae)

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Brown algae are primarily marine organisms of cold water. Some species of brown algae occur in brackish waters and salt marshes. Three genera are found in freshwater; however, the freshwater genera are rare and most brown algae are attached forms in the relatively shallow waters of the intertidal and subtidal zone.

Again, the genera are listed alphabetically and collection dates chronologically within them.

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PHAEOPHYTA

BROWN ALGAE

Ascophyllum nodosum (L.) LeJolis
Atlantic City, common (5); common, washed up in abundance at Longport, rare at Sandy Hook, Cape May (2); Cape May Point and Great Sound, Oct and Jul (6); Great Bay, May (4)
Ascophyllum nodosum f. scorpioides (Hornemann) Reinke
Barnegat Bay, Jul, Oct and Dec (9);
Manahawken salt marsh (8)
Asperococcus echinatus (Mert.) Grey
Raritan Bay, Mar (1); Great Bay, May-June (4);
Barnegat Bay, Jan-May (9)
Chordaria flagelliformis (Mull.) C.Ag.
rare at Atlantic City (5)
Desmarestia viridis (Mull.) Lamour
Barnegat Bay, Feb-Mar and May (9)
Desmotrichum undulatum (J. Ag.) Reinke
Great Bay, Jan (4); Barnegat Bay,
Jan-June, Nov-Dec (9); Barnegat Bay (8)
Desmotrichum undulatum var. zosteræ LeJolis
common at Atlantic City (5)
Dictyosiphon foeniculaceus (Huds.) Grev.
rather common at Atlantic City (5)
Dictyosiphon foeniculatus var. americanus Collins
Cape May harbor, May (6)
Ectocarpus confervoides (Roth) LeJolis
very common at Atlantic City (5); along coast in cold weather (6); Raritan Bay, Nov-Mar (1); Great Bay, May, June and Nov (4); Barnegat Bay, Feb, May-June, Dec (9);
Manahawkin marsh (8)

- Ectocarpus siliculosus (Dillw.) Lyngb.
common at Atlantic City (5); inlets, May-Oct (6);
Raritan Bay, Dec and Mar (1); Great Bay, Mar, May,
Nov (4); Barnegat Bay, Feb-Mar, May-June, Dec (9);
Forked River, Apr-Aug, Oct, Dec-Jan, Stouts Creek (3)
- Ectocarpus siliculosus f. hiemalis (Crovan) Kuckkuck
Barnegat Bay, Dec-June (9)
- Ectocarpus tomentosus (Huds.) Lyngb.
rather common at Atlantic City (5); Great Bay,
Jan (4); Barnegat Bay, Dec-Jan (9)
- Elachista fucicola (Vell.) Aresch.
common on Fucus, Atlantic City (5); coast, late summer
to fall (6); Great Bay, Jan, Aug-Oct (4); Barnegat Bay,
Feb-Mar, May-June (9)
- Fucus edentatus De la Pyl.
Atlantic City, (5,2); Raritan Bay, Aug, Oct-Dec (1)
- Fucus spiralis L.
Raritan Bay, Aug and Nov (1)
- Fucus vesiculosus L.
common at Atlantic City (5); common along whole coast (2)
common all year along coast (6); Raritan Bay, Jul-Aug,
Oct-Dec, Mar (1); Great Bay, all year (4); Raritan Bay,
June and Oct (7); Manahawkin salt marsh, Barnegat
Bay and Little Egg Harbor (8)
- Fucus vesiculosus var. laterifructus Grev.
common along whole coast (2)
- Fucus vesiculosus var. spiralis Farlow
common along whole coast (2)
- Giffordia granulosa (J.E. Smith) Hamel
not uncommon (5); Barnegat Bay, Jan-Feb, June, Dec (9)
- Giffordia mitchellae (Harv.) Hamel
Great Bay, June (4); Barnegat Bay, June (9)
- Halothrix lumbricalis (Kutz) Reinke
Barnegat Bay, Jan-Aug, Oct (9)
- Hecatonema terminalis (Kutz.) Kylin
on Zostera, Atlantic City (5)
- Laminaria agardhii Kjellm.
Cape May, Atlantic Highlands, Beach Haven, Barnegat
Bay and Forked River, all year (6)
- Laminaria saccharina (L.) Lamour
not rare, but not so common nor luxuriant as further
north; washed ashore from below the low water mark (5)
- Leathesia difformis (L.) Aersch.
not very common, generally of small size, growing on
Zostera at Atlantic City (5); Raritan Bay, Oct,
Nov, Mar (1); Great Bay, May (4); Barnegat Bay, May-June
(9); Little Egg Harbor (8)
- Myrionema strangulans Grev.
Barnegat Bay, May-Aug, Dec and Mar (9)
- Myriotrichia clavaeformis Harv.
Atlantic City (5); Great Bay, Mar (4);
Barnegat Bay, Jun-Jul and Dec (9)
- Myriotrichia filiformis Harv.

- on Scytosiphon and Phyllitis (5);
Barnegat Bay, Mar, May, June and Dec (9)
- Petalonia fascia (Mull.) Kuntze
Raritan Bay, Nov-Dec and Mar (1); Great Bay,
May, Nov-Jan, Mar (4); Barnegat Bay, May (9)
- Punctaria latifolia Grev.
common at Atlantic City (5); harbor, common spring
to early summer (6); Raritan Bay, Mar (1); Great
Bay, Dec-May (4); Barnegat Bay, Dec-June (9)
- Punctaria latifolia f. crispata (Kutz) Collins
Barnegat Bay, Dec (9)
- Punctaria plantaginea (Roth) Grev.
rather common at Atlantic City (5); Cape May and
Beach Haven, Jan-Feb (6); Great Bay, June (4);
Barnegat Bay, Dec-Jan and Apr-Jul (9)
- Pylaiella littoralis (L.) Kjellm.
very common and variable, Atlantic City (5); common
along coast late spring and summer (6); Raritan Bay,
Mar (1); Great Bay, May-June (4); Barnegat Bay, Jan-Mar,
May-June (9)
- Ralfsia clavata (Carm.) Crouan sensu Farlow
woodwork at Atlantic City (5);
Barnegat Bay, Jan, May-Jul and Oct (9)
- Ralfsia verrucosa (Aresch.) L. Ag.
small form growing on woodwork at Atlantic City (5);
Barnegat Bay, June, Jul, Oct and Dec (9)
- Sargassum filipendula C. Ag.
not very common at Atlantic City (5); frequently washed
ashore along entire coast (2); coast in Sept (6)
- Sargassum filipendula var. montagnei (Bail.) Grun.
along entire coast (2)
- Sargassum natans (L.) J. Meyer
frequently washed ashore at Atlantic City, Longport (2)
- Scytosiphonia lomentaria (Lyngb.) Link
Beach Haven, Feb and Apr (6); Great Bay, Feb-Mar,
May-June (4); Barnegat Bay, Dec, Feb-Mar (9)
- Sphacelaria cirrosa (Roth) C. Ag.
Barnegat Bay, Apr-Aug, Dec-Jan (9); Barnegat Bay (8)
- Sphacelaria radicans (Dillw.) C. Ag.
Forked River, Jan, June-Aug; Stouts Creek, Jul, Oct (3)
- Sphaerotrichia divaricata (C.Ag.) Kylin
not uncommon, at Atlantic City (5)
- Stilophora rhizodes (Erhardt) J. Ag.
Barnegat Bay, Mar-Aug and Jan (9)

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