FLORA OF BENZIE COUNTY, MICHIGAN

BY

WILLIAM AND EDITH OVERLEASE

PART IV

THE SYMPETALOUS DICOTYLEDONEAE
ERICACEAE

1. **Andromeda glaucophylla** Link. Bog Rosemary.

Sphagnum bogs. Local.
393 Otter Creek bog; 1215 Deadstream bog; 1293 Lost Lake bog; 1395 Deadstream bog.


Open dunes, dry sandy lake shores, sandy roadsides. Common, often locally abundant.


Bogs. Common, locally abundant.
144 Cranberry Lake.

4. **Chimaphila umbellata** (L.) Bart. v. cisatlantica Blake. Pipsissewa, Prince's Pine.

Oak-pine forests, forested dunes, moist hardwoods. Fairly common.
112 dunes area just north of Platte River Campground, Sleeping Bear Lakeshore.

5. **Epigaea repens** L. Trailing Arbutus.

Oak-pine forests, open to semi-open swamps and swamp edges. Common.
716 Cooper Road.


Cedar swamps. Fairly frequent, though local.
392 Otter Creek cedar swamp.

7. **Gaultheria procumbens** L. Wintergreen, Checker-berry.

368 Saffron Road hardwoods; 518 oak-pine forest, Aral.
ERICACEAE (Cont.)


Oak-pine forests, old forested dunes. Common, often locally abundant.
108 oak-pine forest just north of Platte River Campground, Sleeping Bear Lakeshore.


Sphagnum bogs. Occasional.
147 Cranberry Lake bog; 1294 Lost Lake bog; 1396 Deadstream bog; Little Platte Lake bog.

10. **Ledum groenlandicum** Oeder. Labrador Tea.

Bogs, cedar swamps. Occasional.
826 Belt Lake bog; 1174 Deadstream bog.

11. **Monotropa hypopithys** L. Pinesap.

Oak-pine forests, hardwoods, cedar swamps. Common. Abundance varies considerably from year to year.
153 mixed hardwoods, Turtle Lake; 396 oak-pine forest, Aral.

12. **Monotropa uniflora** L. Indian Pipe.

Hardwoods, cedar swamps. Common.
251 hardwoods, Aral.


Jack Pine flats among dunes south of Aral. Rare.
1417 Jack Pine, Aral (Gall). Last seen at this station in 1966.


Semi-open marshy areas, swamp hardwoods, moist hardwoods. Common.
24 moist hardwoods, Saffron Road; 73 Skinner Road near North Branch Creek; 695 hardwood swamp, between Thompsonville and Nessen City near road.

Moist mixed hardwoods. Occasional.
138 moist hardwoods, east of junction of Indian Hill and Saffron Roads; 435 swamp area under bracken, Trembling Aspen.


Local.
2903 trailside, south side Otter Lake, associated with *Betula papyrifera, Acer rubrum, Pinus strobus.*


Pine areas, moist hardwoods, swamp hardwoods. Fairly frequent.
24a moist hardwoods, Saffron Road; 689 under Red Pine, north of Aral; 810 Saffron Road, moist hardwoods; 816 Platte Lake swamp along South Shore Road; 964 Jack Pine flats, Aral.


Oak-pine forests, bogs. Abundant.
120 oak-pine forest just north of Platte River Campground, Sleeping Bear Lakeshore; 559 oak-pine forest north of Platte River Campground, Sleeping Bear Lakeshore; 986 bog, near Nessen City to Thompsonville Road; 1988 edge of small Tamarack stand, south side Milnichol Road about 1/4 mile east of 669 (black fruited form); 2346 upland south of Sutter Road (Gall); 2740 Black Spruce bog just east of Platte River Campground, Sleeping Bear Lakeshore, and Route 22; 2741 apparent hybrid at same location as previous; 2851 oak-pine woods, junction of Indian Hill and Saffron Roads.


Bogs. Very local.
1321 sedge-cranberry bog, 1/2 mile south of Cooper Road, locally abundant. Colony located by H. Gall.


Moist, rich hardwoods. Common.
96 moist, rich hardwoods, Sylvan Point, Little Platte Lake.

Bogs. Generally locally abundant.
146 Cranberry Lake; 395 Otter Creek bog; 822 Belt Lake bog;
943 Belt Lake bog; 1186 Deadstream bog; 1229 Belt Lake bog.
   2673 mud flats, Homestead Dam. Only station.

   Moist lawn edges. Very local.
   1977 Charles Gall property, northwest end Crystal Lake (Gall). Noted at shaded lawn edge, Beulah.

   Marshes and bogs. Occasional.
   1827 wooded bog, east end, Black Lake (Gall); 2075 marsh, north end Stevens Lake.

   Edges of ponds, swamps, streams. Occasional.
   32 moist area; 314 edge of swamp, north of Platte River Campground, Sleeping Bear Lakeshore; 1324, 1325 edge, cranberry bog, 1/2 mile south of Cooper Road.

   Open to semi-open swamp areas. Common.
   162 marsh, Route 115 between Beulah and Frankfort by railroad; 1946 moist, shade, Grass Lake Campground; 2267 swamp hardwoods, Roger's Road.

   Swamp hardwoods, cedar swamps, moist rich hardwoods. Common.
   33 moist hardwoods, Sylvan Point, Little Platte Lake; 89 moist rich hardwoods, Sylvan Point, Little Platte Lake; 325 hemlock slope near junction of Deadstream Road and Route 22; 586 moist hardwoods, Sylvan Point, Little Platte Lake.

An important species of the hardwood forests. Common. 799 hardwoods, Route 22 near junction of Joyfield Road.


Swamp hardwoods. Common. 792 moist hardwoods, Saffron Road.


Margins of Betsie River. Local. 801 margin of Betsie River below first bridge on River Road; 2680 lower Betsie, frequent.


Margins of Betsie River. Local. 800 Betsie River below first bridge on River Road; 2681 lower Betsie, frequent, though not as common as Red Ash; 2795 Betsie River between 2nd & 3rd bridges below Benzonia.

4. Syringa vulgaris L. Lilac.

Extensively planted and persisting and spreading around old home sites. 1158 old home site, Bently Road.
GENTIANACEAE

   Bog. Rare.
   1375 bog near Peanut Lake, on edge of bog mat (Gall).

2. Bartonia virginica (L.) BSP. Screw-stem.
   Shallow depressions, semi-moist open fields. Local.
   1317 old White Pine site with large stumps persisting,
   Haze Road, Weldon Township, Sec. 1 (Gall); 1986 old,
   drying field, formerly moist pond area, south side
   Milnishol Road, about 1/4 mile east of 669.

   Open swamps, lake shores, ditches. Occasional to locally
   common.
   632 swamp, River Road to Frankfort, by Betsie River bridge;
   1115 South Shore Crystal Lake Road, along railroad; 1733
   moist, open shore of Lake Ann. This specimen is from a
   small colony of white-flowered plants; 2791 marl pits
   off Fewing Road, white form (Tesaker).

   Gravelly, sandy lake shore. Very local.
   1114 south shore Crystal Lake near railroad, about 1 mile
   west of Beulah. About 2500 plants in the area in 1985.

5. Halenia deflexa (Sm.) Griseb. Spurred Gentian.
   Cedar swamps, oak-pine forest. Fairly frequent.
   522 oak-pine forest near cedar swamp, Aral.

   Bogs. Occasional, it is frequent to abundant in some lo­
   cal areas.
   397 Otter Creek bog.
1. Apocynum androsaemifolium L. Dogbane.

Roadsides. Common.
59 roadside, Hooker Road; 1641 roadside, Empire Junction, Gudemoos Road.

2. Apocynum sibiricum Jacq. Indian Hemp.

Moist open lake shores. Occasional.
729 edge of beach, northwest shore of Crystal Lake; 1674 moist shore, Lower Herring Lake; 1959 Grass Lake campground near dam; 2587 vacant lot, Beulah. Also noted on dunes at Point Betsie near Coast Guard Station.


Persists and spreads from old home sites and old cemeteries. Occasional.
555 old camp site, oak-pine forest, just north of Platte River Campground, Sleeping Bear Lakeshore.

Lake Michigan dunes. Occasional.
955 Point Betsie dunes; 1202, 1203 Lake Michigan dunes, Aral.

2. *Asclepias exaltata* L. Milkweed.

Oak-pine forests. Occasional.
1459 oak-pine forest west of Bendon, Cinder Road.


Stream and lake margins. Common.
458 margin of Platte River, west of Route 22.


Roadsides, old fields. Abundant.
171 old field, Indian Hill Road near junction of Saffron Road; 1735 Turtle Lake access road, specimen with white flowers (Gall); 2324 Herring Lake swamp (Gall).

5. *Asclepias tuberosa* L. Butterfly-weed.

Lake Michigan dunes. Occasional.


Roadsides. Occasional.
1538 roadside, corner of Indian Hill and Fowler Roads (Tesaker); 1545 roadside, corner of Indian Hill and Fowler Roads, fruiting specimen (Gall); 2043 roadside, Route 669 just north of Fogg Road, east side of road; 2221 Nessen City Road and Center Road (Tesaker).
CONVOLVULACEAE

1. **Convolvulus arvensis** L. Field Bindweed.
   Roadsides, disturbed areas. Occasional, though often locally abundant.
   421 edge, lawn, Honor; 2877 Almira Road about 2 miles east of Osborn (Gall).

2. **Convolvulus sepium** L. v. sepium, Hedge Bindweed.
   Disturbed ground. Occasional.
   422 shore of Platte Lake at site of Edgewater; 706 waterfront, Frankfort.

3. **Convolvulus spithamaeus** L. Low Bindweed.
   Oak-pine forests, dry roadsides. Occasional, generally abundant locally.
   725 dry roadside, east of Homestead Dam; 1334 roadside, Lamb Road, former White Pine site; 1857 Homestead Road (Gall).

4. **Cuscuta cephalanthii** Engelm. Dodder.
   1475 shore of Platte River between Indian Hill Road and Deadstream, on climbing nightshade. Rare.

5. **Cuscuta gronovii** Willd. Dodder.
   2135 wet, sandy beach, east end of Platte Lake. Two small plants. Rare.
POLEMONIACEAE

1. Phlox *divaricata* L. Sweet William, Blue Phlox.

   Rich hardwoods. Occasional, it is often locally abundant when found.
   590 roadside, under hardwood saplings, Pioneer Road near to access to Crawford Resort.

2. Phlox *paniculata* L. Fall Phlox, Perennial Phlox.

   Garden escape, roadsides. Occasional.
   1842, 1843 roadside, Grace Road just west of Mill Pond (Gall); 2486 south County Line Road (Gall).
HYDROPHYLLACEAE


675 rich hardwoods, just south of Arcadia Overlook, Route 22.


319 rich hardwoods, U.S. 31 near junction of Worden Road.

3. Oplopanax horridus L. Cucumber Tree

Disturbed soils. Occasional.
650 disturbed soil, near Campground, U.S. 31 near junction of Worden Road.

4. Oplopanax horridus L. Cucumber Tree

Disturbed soil. Occasional.
650 disturbed soil, near Campground, U.S. 31 near junction of Worden Road.

5. Echinium villosum L. Spiny Thistle

Roadside, more common in disturbed soil.
705 roadside, sparsely disturbed soil.

6. Lappula sp.

Disturbed soil. Occasional.
110 disturbed soil.

7. Atriplex sp.

Lake Hydric. Occasional.
250 lake hydric.
   Garden escape.
   Route 22 south of Elberta near barn (Gall); 2506 roadside, South Shore Platte Lake Drive.

   Garden escape. Local.
   2131 roadside, U.S. 31, east of Honor near entrance of Rosa development (Gall); 2777 vacant lot, Honor.

   Forested slopes, trails. Occasional.
   340 under hemlock, Route 22, near entrance of Platte River Campground, Sleeping Bear Lakeshore; 1596 trailside, hardwoods, Almira Road just east of junction of Fowler Road.

   Disturbed dune areas. Occasional.
   650 disturbed dune with vegetation, Elberta.

5. Echium vulgare L. Blue-weed, Blue Devil, Viper's-Bugloss.
   Roadsides, disturbed ground. Occasional. It has become more common in the last ten years, and has become locally abundant in some areas. Abundance varies considerably from year to year.
   705 waterfront, by railroad, Frankfort; 1427 roadside, recently bulldozed road just north of Platte River Campground, Sleeping Bear Lakeshore; 2821 alley, Frankfort.

   Disturbed sites. Occasional.
   1117 old shaded sawmill site, Aral.

7. Lithospermum caroliniense (Walt.) MacMill. Puccoon.
   Lake Michigan dunes. Locally abundant.

Margins of streams, springy areas. Occasional.
423 shore, Platte Lake, at site of Edgewater; 864 margin of Betsie River between Route 115 and U.S. 31.


Roadsides. Occasional.
592 recently established camp sites using fill, Platte River Campground, Sleeping Bear Lakeshore; 2251 near roadside table, Route 22 near Long Lake (Gall).


Margins of streams, springy areas. Common.
820 margin of Platte River above Platte Lake.


Moist rich hardwoods. Common, locally abundant.
1132 Covey Road near Honor; 1392 Covey Road near Honor; 1905 roadside, Crystal Downs; 2885 roadside, under shade, South Shore Crystal Lake Drive.
1. **Verbena bracteata** Lag. & Rodr. Vervain.

   Road shoulders. Occasional.
   991 recently worked road shoulder, South Shore Platte Lake Road; 2481 sidewalk, Beulah (Huft); 2441 public access, Stevens Lake; 2641 roadside, Honor, Platte River Road.

2. **Verbena hastata** L. Vervain.

   Moist meadows, margins of streams. Common.
   284 swamp, just east of Honor; 470 abandoned muckland, Beulah; 2365 old garden site, Platte Lake residence of James Dymond; 2596 old field, Rodgers Road; 2621 public access, Upper Herring Lake.

3. **Verbena stricta** Vent. Vervain.

   Dry roadsides. Occasional.
   246 dry sandy roadside, Aral; 1753 roadside, Route 115 between Frankfort and Benzonia (Gall); 2721 roadside, marl pits off Fewins Road.
1. **Ajuga reptans** L. Bugle.

   Garden escape. Established and spreading locally. 1579 springy area, rich hardwoods, Crystal Downs.


   Roadsides. Very local. 2246 roadside and ditch, Grace Road, south side, halfway between Ellis and Paul Rose Roads, found by A. Tesaker, collected by H. Gall; 2247 collection at same site as 2246 with white corolla.


   Disturbed ground, moist habitats. Occasional. 1348, 1349 old logging road, west end, Rush Lake, moist hardwoods.

4. **Glechoma hederacea** L. Ground Ivy.

   Disturbed areas. Very local. 1901 Park and Michigan Streets, Frankfort (Gall).

5. **Hedeoma hispida** Pursh. Pennyroyal.

   Open, dry areas. Occasional. 857, 858 old abandoned roadbed, M. & NE Railroad, south of Cedar Run; 1343 old field, between U.S. 31 and Louise Lake.


   2798 dry open bank, Betsie River above Gwen Frostic's.

7. **Lamium maculatum** L. Spotted Dead-nettle.

   Disturbed areas. Rare. 2868 Crystal Downs beach, South side, west of pump (Gall).

8. **Leonurus cardiaca** L. Motherwort.

   Moist roadsides, and open areas. Occasional. 247 moist roadside, Aral.

Margins of rivers, ponds, and swamps. Locally common.

629 margin of Platte River near mouth.


Swamp hardwoods, cedar swamps, bogs. Common.

211 swamp, Martin Road; 501 swamp hardwoods, River Road by Betsie River Bridge; 2913 shaded bog area, Dead-stream Road.


Marshes, margins of streams, lakes. Common.

164 marsh by railroad, Route 115 between Benzonia and Frankfort; 466 Hooker Road, margin of North Branch Creek; 502 swamp hardwoods, River Road by Betsie River; 879 swamp edge, Cooper Road; 1250 moist margin, Otter Creek, Aral; 1703 moist swale, Crystal Lake, Beulah; Crystal and Lake Streets; 2035 moist shore under semi-shade, Lime Lake.


Moist lake shores, ditches, margins of streams. Common.

900 north shore, Crystal Lake just east of Boat Livery; 1080 north shore, Crystal Lake, just east of Boat Livery.


Lake shores. Local.

1839 southwest shore of Crystal Lake, Congregational Assembly (Tesaker); 2297, 2298, 2299 (Tesaker) 2853 roadside, Crystalia, Route 22, north Borwell's.


Moist roadsides. Occasional, though it may be locally abundant.

526 moist open area, just west of Dymond Road.


Old stabilized dunes, dry fields, dry roadsides. Common.

111 Lake Michigan dunes, just north of Platte River Camp-ground, Sleeping Bear Lakeshore.

Roadsides, disturbed areas. Occasional.
199 disturbed ground, Beulah; 1964 roadside, Deadstream Road; 2185 roadside, Deadstream Road.

17. Prunella vulgaris L. Heal-all, Self Heal.

Marshes, moist roadsides, cedar swamps, moist hardwoods. Common.
76 marshy stream margin, North Branch Creek near Skinner Road.


2718 white cedar swamp, M & NE Railroad near Lake Ann.

18. Pycnanthemum flexuosum (Walt.) BSP. Mountain Mint.

Old fields. Local.
1423 old field near Frankfort; 1506 old field, Route 115 and Bridge Street (Gall); 1871 old field, Route 115 and Bridge Street, Frankfort (Gall).


2511, 2517 roadside, Route 22, 1/2 mile east of Elberta, 2511 collection by H. Gall.


2702 spreading somewhat from planting at water-wheel boat livery, Route 22.


Dry fields, swamps, roadsides, semi-open woodlands. Common.
67 old field, Gudemoos Road; 197 roadside, Indian Hill Road near junction of Saffron Road.

22. Scutellaria galericulata L. Skullcap.

Margins of streams and lakes, swamp hardwoods. ditches. Common.
157 shore, Turtle Lake; 424 shore at site of Edgewater; 744 semi-open marsh, near Betsie River west of Wallin; 821 Platte River above Platte Lake; 1248 margin, Otter Creek, Aral; 1332 swamp edge, under hardwoods, Little Gary Lake; 1651 roadside,ditch, Martin Road; 2330 Crystal Lake, 7th Street (Gall).
1. **Physalis heterophylla** Nees. v. **heterophylla**. Ground Cherry.

Roadsides. Occasional. It has become locally common in recent years.
978 abandoned M & NE Railroad roadbed south of Cedar Run; 1835 roadside, Deadstream road (Gall); 1962 roadside, Deadstream Road.

2. **Physalis longifolia** Nutt. Ground Cherry.

Old fields, roadsides. Occasional.
1244 roadside, Frankfort; 1443 old field near Frankfort.


274 rich hardwoods, U.S. 31 near junction of Worden Road.

4. **Solanum carolinense** L. Horse Nettle.

Old fields, roadsides. Occasional.
442 old field, Indian Hill Road near junction of Saffron Road; 1280 roadside near Pigeon Lake; 1631 old field, Milnichol Road.

5. **Solanum dulcamara** L. Climbing Nightshade.

Disturbed ground, roadsides, margins of streams. Common.
1 edge of cedar swamp, southwest edge of Platte Lake; 475 disturbed ground, Beulah; 686 edge, Martin Road; 814 margin of Platte River above Platte Lake.

Disturbed ground. Very local, often locally abundant. 1243 railroad roadbed, Frankfort, locally abundant; 2659 railroad ballast, Beulah.

2. Chelone glabra L. White Turtlehead.

Margins of streams, swamp hardwoods. Fairly frequent. 631 swamp hardwoods, River Road to Frankfort, near bridge.


498 in cracks between sidewalk and wall of the Frankfort Bank building, three clumps of plants, August 1966. Very local.

4. Digitalis purpurea L. Purple Foxglove.

Local garden escape. Rare. One plant in bloom, edge of wooded area, about 2 miles east of Honor, U.S. 31, July 1969, not collected; 2522 woods near C.H. residence, Crystal Lake (Gall).


Moist swales, open swamps. Common. 621 open marsh, near mouth of Platte River; 901 wet swale, north shore of Crystal Lake near boat livery; 1112 wet swale, south shore of Crystal Lake.


Very local. 2121 Way Road 3/4 mile south of Fowler Road, in woods, several plants, July 1974 (Tesaker); 2373 under orchard trees, Crawford Road just off Demerly Road, locality found by Tesaker; 2483 Lake Michigan Road, 1/2 mile down southwest side (Huft); 2556 edge of dune, Betsie Point (Tesaker).

Disturbed ground, roadsides. Occasional.
453 disturbed ground, Frankfort.


Cowwheat.

Oak-pine forests. Common, often locally abundant.
110 oak-pine forest just south of Platte River Campground, Sleeping Bear Lakeshore; 428 oak-pine forest just north of Platte River Campground, Sleeping Bear Lakeshore.


Monkey Flower.

Margins of streams, ditches. Locally abundant.
833 Platte River above Honor; 1096 ditches east of Honor; 2677 margin, Bass Lake by spring; 2708 wet sandy depression, inlet to Platte Lake.


Monkey Flower.

Wet seeps. Rare.
82 wet seep along North Branch Creek, east of Skinner Road.


1692 roadside, Demerly Road, 1/2 mile west of U.S. 31 (Gall).


Margins of lakes, streams, hardwood swamps. Occasional.
161 marsh by railroad, Route 115 between Benzonia and Frankfort; 863 margin of Betsie River between Route 115 and U.S. 31.


Oak-pine forests, swamp hardwoods, moist shaded slopes.
Common, generally locally abundant.
343 Hemlock flat just south of Platte River Campground, Sleeping Bear Lakeshore; 566 oak-pine forest, Aral.

2758 moist brushy area along abandoned railroad roadbed near Honor.


Old fields. Very local.
1420 old field near Frankfort.


Moist roadsides under shade. Occasional.
1836 on lake shore under alder, Platte Lake public access;
1916 roadside, Aral, under shade, moist conditions.

17. *Verbascum blattaria* L. Moth Mullein.

Old fields, roadsides. Occasional.
484 old field, Blohm Road; 1204 roadside, Aral (white flow­
ers); 2066 old field, Cinder Road (white flowers). Both
the yellow and white-flowered forms are found in the
county.


Old fields, roadsides, disturbed soil. Common. It has
become much more common in recent years.
169 old field, Indian Hill Road near junction of Saffron
Road.


Margins of streams, lakes, ditches. Occasional.
966 muddy shore, Deer Lake; 1899 ditch, south edge of
Honor; 2332 Crystal Lake, 7th Street (Gall); 2405 road­
side ditch, Hooker Road.


2667 muddy shore, Homestead Dam, frequent; 2709 wet sand,
shore of Platte Lake near inlet.

Roadsides, disturbed ground. Occasional.  
1934 disturbed ground, Indian Hill Road near junction of Saffron Road; 2302 roadside, Crystal Downs; 2308 disturbed ground under cherry trees, Indian Hill Road near junction of Saffron Road.


927 hardwoods, near Benzie Central High School.


Moist meadows, lawns, moist woodlands. Occasional.  
676 roadside trail, hardwoods, Almira road near junction of Fowler Road; 2252 lawn, Charles Gall residence, Crystal Lake (Gall); 2895 old field, depression, Gudemoos Road about 3/4 mile north of Hooker Road.

   Hardwoods. Occasional. It may be locally abundant. 390 hardwoods, north of Aral.

2. **Epifagus virginiana** (L.) Bart. Beech-drops.

   Hardwoods. Common. 482 rich, hemlock-hardwoods, near Route 22 on west side of Crystal Lake.


   Lake Michigan sand dunes. Parasitic on Artemisia caudata. Occasional. 297 Lake Michigan sand dunes, Aral; 1822 Crater dunes, attached to Artemisia (Gall).
1. **Utricularia cornuta** Michx. Bladderwort.

Swales, calcareous bogs and springs. Occasional, it may be locally abundant.
733 northwest shore of Crystal Lake, swale; 836 calcareous bog, Belt Lake; 1999 marly spring near Beulah Boat shop, north shore of Crystal Lake; 2216 South Shore, Crystal Lake just west of Beulah.

2. **Utricularia intermedia** Hayne. Bladderwort.

Bogs. Occasional.
1658 small bog, Otter Creek cedar swamp; 2018 cranberry bog, 1 mile west of Cooper Road.

3. **Utricularia vulgaris** L. Bladderwort.

Ditches, ponds, margins of lakes. Occasional, locally abundant.
1353 east shore of Rush Lake; 1411 ditch, Deadstream Road (Gall); 1611 shore of Deer Lake; 1614 pond edge, Aral dunes; 2200 Betsie River above Grass Lake Dam; 2736 Rush Lake; 2819 edge, Grass Lake.
1. Phryma leptostachya L. Lopseed.

224 rich hardwoods; 2459 hardwoods near Covey Road (Gall).
1. **Plantago lanceolata** L. English Plantain.

Old fields, roadsides, disturbed ground. Common.
206 old field, Beulah by laundromat near Crystal Lake; 207 old field, Beulah; 1724 shore, Lake Ann; 2189 dry access road to Crystal Lake, Beulah.


Roadsides. Occasional.
198 roadside, Indian Hill Road near junction of Saffron Road; 910 roadside, Deadstream Road; 989 roadside, swamp hardwoods, near Sylvan Point, Little Platte Lake; 2188 edge, sidewalk, Beulah.

3. **Plantago rugelii** Dcne. Rugel's Plantain.

Roadsides, disturbed ground. Common.
194 roadside, Indian Hill Road near junction of Saffron Road; 909 roadside, Indian Hill Road just north of Platte River bridge.

Margins of lakes, swamps. Local. 696 wet roadside, Barber and Reynolds Roads; 1027 margin of Lost Lake. Also noted at Turtle Lake, Stevens Lake and on Hick Road.

2. Galium aparine L. Cleavers, Goosegrass.

Rich hardwoods. Locally common, often locally abundant. 568 rich hardwoods, Aral Road, Haswell's Woods.


Margins of streams, swamps. Occasional. 866 margin of Betsie River.


Bogs. Occasional. 798 Deadstream bog; 1761 Deadstream bog (Gall); 2788 bog mat, Little Platte Lake.


Hardwoods. Occasional. 136 hardwoods, east of junction of Indian Hill and Saffron Roads; 682 hardwoods, Route 22 near junction of Joyfield Road.


953 margin of Otter Creek, Aral; 2442 moist shore, Stevens Lake near public access.


Margins of streams, bogs, moist roadsides. Occasional, it may be locally abundant. 1237 wet roadside, Aral.


Moist open areas. Occasional. 2201 margin of stream, old floating log, above Grass Lake Dam.

Rich hardwoods, moist hardwoods, cedar swamps. Common. 46 moist hardwoods, Saffron Road; 391 rich hardwoods, north of Aral; 772 moist hardwoods, Saffron Road; 1226 semi-open cedar swamp, Upper Woodcock Lake.

10. Galium verum L. Yellow Bedstraw, Our Lady's Bedstraw.

Old fields. Very local. 852 large colony just east of Frankfort Golf Course along Route 22; 2374 Paul Rose Road just off Grace, small colony located by Tesaker.


Hemlock-hardwoods, swamp hardwoods, cedar swamps. Common. 42 Moist hardwoods, Saffron Road; 86 moist hardwoods, Sylvan Point, Little Platte Lake; 402 Hemlock swamp, south of Platte Lake.
1. **Diervilla lonicera** Mill. Bush Honeysuckle.

Oak-pine forests, swamps. Fairly common. 
64 roadside, Skinner Road near North Branch Creek.

2. **Linnaea borealis** L. Twin-flower.

Cedar swamps, low moist shaded hollows and flats among sand dunes. Locally abundant. 
267 low moist shaded hollows near open dunes, Lake Michigan; 311 Jack Pine flat among dunes, Aral.

3. **Lonicera x bella** Zabel.

Roadsides, moist open areas. Locally common. 
1130 old railroad bed, south of Honor; 1555 along railroad, Frankfort; 2429 south shore Crystal Lake Drive; 2754 old railroad bed, Honor; 2806 roadside, River Road near Benzonia; 2807 roadside, River Road near Benzonia; 2813 moist area just west of Rush Lake; 2814 moist area just west of Rush Lake.

4. **Lonicera canadensis** Marsh. Fly Honeysuckle.

Hardwoods, moist hardwoods, cedar swamps. Frequent. 
28 moist hardwoods, Saffron Road; 377 rich hardwoods, Gudemoos Road near junction of Hooker Road; 544 rich hardwood slope, Crystal Downs; 935 edge, cedar swamp, Almira Road near junction of Fowler Road; 1469 moist hardwoods, lower slope, Upper Woodcock Lake; 1509 hardwoods, upper slope, Aral; 2452 Otter Creek swamp.

5. **Lonicera dioica** L. v. dioica. Wild Honeysuckle.

Edges, hardwoods, oak-pine forests, roadsides. Frequent. 
126 rich hardwoods, Gudemoos Road near junction of Hooker Road; 414 roadside, near Turtle Lake; 1045 roadside, Platte River Point Road, oak-pine forest; 1177 roadside, Crystal Downs, (reddish flowers); 1399 Deadstream bog.

5a. **Lonicera dioica** L. v. glaucescens (Rydb.) Butters. Wild Honeysuckle.

Oak-pine forests. Occasional. 
1612 roadside, oak-pine forest, Aral.

Rare.
1743 Crystal Lake, near Charles Gall residence (Gall).


Locally spreading from ornamental plantings. Locally common.
2390 along railroad, Frankfort; 2493 old field, Love Road; 2581 open dunes, Frankfort.


2576 Deadstream swamp.


Garden escape. Occasional.
2796 bank of Betsie River below Benzonia.


Roadsides, edges of streams. Common.
188 roadside, Indian Hill Road near junction of Saffron Road.


37 rich hardwoods, Aral Road, Haswell's Woods; 571 rich hardwoods, Aral Road, Haswell's Woods.

12. *Triosteum angustifolium* L.

2786 Deadstream Road, between lakes in hardwoods. Two small colonies noted.


Moist hardwoods. Rare.
412 moist hardwoods, near Honor dump.

264 open dunes, 1 mile south of Otter Creek; 513 near Lake Michigan, Crystal Downs; 1007 roadside, River Road west of Benzonia; 1121 edge of forest, near beach, Crystal Downs; 1122 stabilized dunes, Elberta; 2784a Deadstream Road between lakes; 2784b roadside, Route 22 near Deadstream Road (sprout).


Hardwoods. Occasional.
7 edge of cedar swamp, southwest side of Platte Lake; 88 moist rich hardwoods, Sylvan Point, Little Platte Lake.


Swamp hardwoods, margins of lakes, bogs. Occasional.
770 hardwood swamp, along road from Thompsonville to Nessen City; 987 Black Spruce bog, along road from Thompsonville to Nessen City; 1622 edge of Lost Lake; 2402 Grass Lake Dam.

17. *Viburnum dentatum* L. Arrow-wood.

Appears to be spreading from planted specimens.
1539 Platte Lake Road, east of Sullivans, Section 2 (Tesaker).


Swamp hardwoods, margins of streams, bogs. Occasional.
410 hardwood swamp, near Honor dump 846 Deadstream bog; 2886 roadside, swamp, Thompsonville-Nessen City Road.


Margins of streams, swamp hardwoods. Fairly common.
369 swamp hardwoods, near junction of Indian Hill and Deadstream Roads.

Garden escape. Very local.
2257 roadside, under Ailanthus, Sutter Road, locally abundant (Gall); 2615, 2616 Michigan Avenue, about 500 feet from Route 22, Frankfort (Tesaker).

Old fields, roadsides. Occasional.
2118 River Road to Frankfort just west of Higgins Road;
2143 vacant lot, Frankfort.

Disturbed sites, roadsides. Occasional.
1693 near railroad, Commercial Street, Beulah (Gall);
2106 edge of alley, Honor; 2571 roadside, Beulah Park Drive.

1a. Campanula portenschlagiana (Small) Fernald

Ballflower

Open marshes, wetlands.
2128 margin of wet meadow, 2133 charred muskeg, (Gall), (Gall) with Alnus viridis.

2. Campanula rotundifolia L.

Garden escape, naturalized.
1971 roadside, Beulah Park Drive (Gall).

3. Campanula medium Mandels.

Roadside, meadow.
2245 near railroad, 2174 near Railroad Bridge, (Gall), (Gall) with Alnus viridis, over 15 plants.

4. Campanula patula Benth.

Lake Michigan shores, sandy, coastal,
lightly benches of sandy lakeshore.
10 Lake Michigan beaches, c. 1969, (Gall), Campanula rotundifolia

5. Specularia perfoliata (L.) Ehrh.

Roadside, meadow.
941 old growth forest.

Open marshes. Common.
288 swamp, just south of Honor; 462 marshy area along Platte River east of Route 22.


Open marshes. Local.
2128 margin of Homestead Road, Harvest Street, Weldon Township (Gall), flowers distinctly pale blue.

2. *Campanula persicifolia* L. Bellflower.

Garden escape. Very local.
1971 roadside, Graves Road, colony of about a dozen plants (Gall).


Roadsides, garden escape.
2245 near Charles Gall residence, Crystal Lake, escaped (Gall); 2546 roadside, Eden Hill Road, locally frequent, over 35 plants (Gall).


Lake Michigan sand dunes area, especially ancient gravelly beaches of former lake levels. Locally common.
10 Lake Michigan sand dunes just north of Platte River Campground, Sleeping Bear Lakeshore.


Roadsides. Occasional.
941 old road to Belt Lake.
1. **Lobelia cardinalis** L. Cardinal-flower.

Margins of streams, ponds, moist meadows. Locally common. 159 moist meadow, by railroad, Route 115 between Benzonia and Frankfort.

2. **Lobelia inflata** L. Indian Tobacco.

Roadsides. Local.
727 bulldozed area, Route 671 between Nessen City and Thompsonville. Several hundred plants at this site.

3. **Lobelia kalmii** L. Lobelia.

Margins of streams, lakes, bogs, swales. Common, often locally abundant.
521 margin of Otter Creek bog.

4. **Lobelia siphilitica** L. Blue Lobelia.

Margins of streams, lakes, marshes. Occasional.
285 marshy area just south of Honor; 2554 Frankfort Industrial Park (Tesaker).
1. **Achillea millefolium** L. ssp. *lanulosa* (Nutt.) Piper. Yarrow.

Roadsides, old fields, disturbed ground. Common.
48 roadside, Hooker Road; 1216 roadside, road between Thompsonville and Nessen City, rose-flowered form; 2126 rose-flowered form, roadside, River Road, west of airport road between road and railroad (Gall).

2. **Ambrosia artemisiifolia** L. Common Ragweed.

Roadsides. Common.
1207 roadside, Nessen City; 1275 roadside near Pigeon Lake; 2093 roadside, Hulbert Road about 1 mile north of Cinder Road; 2669 Herring Road, gravel little-used orchard road, occasional.

3. **Ambrosia trifida** L. Giant Ragweed.

2590 established along alley near Cold Creek settling basin.


Old fields, roadsides, dunes. Occasional.
256 open dunes, 1 mile south of Otter Creek; 2912 roadside, under semi-shade, Deadstream Swamp along Deadstream Road.

5. **Antennaria neglecta** Greene. Pussy-toes.

Old fields, dry somewhat open hardwood sites, stabilized dunes. Frequent.
538 stabilized dunes, Elberta; 917 roadside, Peterson Road, just north of Sleeping Bear Lakeshore, Platte River Campground; 936 abandoned railroad, M & NE, south of Cedar Run.


Roadsides, dry hardwoods. Occasional.
347 open Beech-Red Oak woodland, Indian Hill Road near junction of Saffron Road; 656 old field, Eden Hill Road; 930 roadside, Deadstream Road; 946 dry, Red Oak woods, Indian Hill Road, near junction of Saffron Road.

Old fields, roadsides, disturbed ground. Common. 242 roadside, Indian Hill Road near junction of Saffron Road; 472 disturbed ground, Beulah.

8. **Artemisia caudata** Michx. Wormwood.

Lake Michigan sand dunes, sandy open fields and roadsides. Common. 622 Lake Michigan sand dunes, Aral; 1013 Lake Michigan sand dunes, Point Betsie; 1624 oak-pine forest, Cinder Road.

9. **Aster dumosus** L. Bushy Aster.

2846, 2847 margin, Lime Lake.

10. **Aster ericoides** L. Heath Aster.

2691 roadside, River Road, one small colony.

11. **Aster junciformis** Rydb.

Swamps. Local. 1269 cedar-spruce swamp, Cooper Road; 2785 bog mat, Little Platte Lake.

12. **Aster laevis** L. Aster.

Oak-pine forests, open dunes, dry lake shores, forest edges. Common. 615 oak-pine forest just north of Platte River Campground, Sleeping Bear Lakeshore; 635 Lake Michigan sand dunes, Elberta; 641 oak-pine forest, Aral; 1086, 1087 shore, near yacht basin, Elberta; 1123 hardwood forest edge, Route 22 near junction of Joyfield Road; 1118 roadside, Aral.

There appears to be a series of specimens, frequent in the county intermediate between Aster laevis and Aster puniceus L. I have grouped some of these under A. laevis.


Swamp hardwoods, cedar swamps, moist hardwoods, open swamps. It has a robust semi-shade growth form. 292 swamp just south of Honor; 630 field edge, by rich hardwoods, Gudemoos Road near junction of Hooker Road; 882, 883 open swamp edge, Cooper Road, south end; 1070 edge, rich hardwoods, Swamp Road just south of Mick Road; 1101 semi-open cedar swamp just south of Honor; 2671, 2672 Herring Road, gravel orchard road; 2808, 2809, 2811 roadside, River Road near Benzonia.
COMPOSITAE (Cont.)

14. **Aster lucidulus** (Gray) Wieg.

1100 semi-open cedar swamp; 2097 east side of Hulbert Road, about 1 mile south of Cinder Road, small swale.

15. **Aster macrophyllus** L. Large-leaved Aster.

Oak-pine forests, forest edges, moist hardwoods. Common, often locally abundant.
511 roadside, Crystal Downs; 2742 oak-pine forest, junction of Route 22 and Saffron Roads.


Moist open areas. Occasional.
1878 Elberta flats (Gall); 2560 roadside, Gorivan Road (Te-saker):

17. **Aster pilosus** Willd.

1057 edge of swamp by stream, Landis Road.

18. **Aster puniceus** L. Red-stemmed Aster.

Moist roadsides, swamps. Occasional.
908 moist roadside, Deadstream Road; 1099 cedar swamp, edge, just south of Honor.


Oak-pine forests. Local.
1458 oak-pine forest, Cinder Road, east of Bendon; 2776 roadside, Goose Road near Forest Service campground.

20. **Aster simplex** Willd.

Moist roadsides, meadows. Locally common.
293 cedar swamp, just north of Honor; 1091, 1092 Betsie Lake, Elberta yacht basin; 2724 marl pit just off Fewins Road; 2759 moist meadow just north of Henry Street, Honor; 2810 roadside, River Road near Benzonia.


Swamps. Very local.
2279 edge of cedar swamp, just south of Honor.
22. *Bellis perennis* L. European Daisy.

Garden escape. Locally abundant on moist lawns. 83 grassy lawn, north shore of Platte Lake, home of Mrs. Byam, Deadstream Road; 2418 A.B. Maley Park, Honor (Tesorker).


Lake margins. Very local. 2650 margin, Fuller Lake, in about three feet of water, 4 plants noted in bloom, portions of 2 collected; 2872 east end, Little Platte Lake, ½ dozen plants in bloom.


Margins of streams, lakes, ponds. Common. 634 marsh by Betsie River, River Road to Frankfort, by bridge; 745 semi-open swamp near Betsie River, west of Wallin; 1094 ditch, south of Honor; 1512 margin, Deer Lake; 2037 moist, semi-shaded pond near Lime Lake access road; 2142 wet beach, east end of Platte Lake, dwarf growth forms, almost rosette.


1474 pond edge, Homestead Road near Sugar House.


Edges of ponds, swamps, also ditches and open marshes. Common. 1056 edge of swamp, Mick Road just east of U.S. 31; 1359 margin of ditch, Beulah; 1989 sedge marsh near junction of St. John's and Betsie River Roads.


Roadsides, old fields. Occasional, it may be locally abundant. 165 roadside near railroad, Route 115 between Benzonia and Frankfort.
28. **Centaurea maculosa** Lam. Star Thistle, Wild Bachelor's Buttons.

Roadsides, old fields. Abundant.
191 roadside, Indian Hill Road near junction of Saffron Road; 2336 Deadstream Road (Gall).

According to A. Tesaker and H. Gall, it has become particularly abundant since the late 1950's.

29. **Chrysanthemum balsamita** L. Costmary.

Garden escape. Very local.
1751 River Road near old bridge north of Benzonia (Gall); 1833 roadside, near beginning of Steven's Lake access road, large colony (Gall).

30. **Chrysanthemum leucanthemum** L. Ox-eye Daisy.

Fields, roadsides. Abundant.
26 roadside, just east of Platte River Campground, Sleeping Bear Lakeshore.

31. **Cichorium intybus** L. Chicory.

Roadsides, disturbed ground. It has become fairly frequent in the last 10 years.
182 roadside, Indian Hill Road near junction of Saffron Road.

32. **Cirsium arvense** (L.) Scop. Canada Thistle.

Moist roadsides, disturbed ground. Locally abundant.
185 roadside, Indian Hill Road near junction of Saffron Road.

33. **Cirsium muticum** Michx. Swamp Thistle.

Swamps. Occasional.
233 semi-open swamp, Hooker Bridge.

34. **Cirsium pitcheri** (Torr.) T. & G. Pitcher's Thistle.

Lake Michigan sand dunes. Locally common.
114 Lake Michigan sand dunes just north of Platte River Campground, Sleeping Bear Lakeshore.

Roadsides. Occasional.
254 semi-shaded roadside, Saffron Road; 625 edge of Alfalfa field, Gudemoos Road near junction of Hooker Road.


Roadsides, disturbed ground. Often locally abundant. It is not as frequent in the county as might be expected.
471 old field, Beulah; 1222 roadside, Nessen City to Thompsonville Road, recently bull-dozed site; 1621 roadside, access road to Lost Lake.

37. *Coreopsis lanceolata* L. Coreopsis, Tickseed.

Roadsides, old fields. Common, often locally abundant.
30 roadside, just south of Platte River Campground, Sleeping Bear Lakeshore.

38. *Crepis tectorum* L. Hawk's-Beard.

2512, 2513 recently abandoned old field, Ballard Road near junction of Grace Road (A. Tesaker); 2514 same site, collected by Overlease.


Moist meadows, edges of swamp hardwoods, moist rich hardwoods. Fairly common.
279 moist hardwoods, edge, U.S. 31 near junction of Worden Road; 492 moist edge, rich hardwoods, U.S. 31 near junction of Worden Road; 628 edge, rich moist hardwoods, Gudemoos Road near junction of Hooker Road; 977 abandoned muckland, Beulah.


Moist, semi-open areas. Local.
691 semi-open, margin, Lime Lake.


Old fields, roadsides. Common, often locally abundant.
175 old field, Indian Hill Road near junction of Saffron Road; 627 old field, Gudemoos Road near junction of Hooker Road; 700 old field, Lake Ann Road, just north of Bronson Lake Road.
42. **Eupatorium maculatum** L. Joe-Pye Weed.

Moist swampy open areas, especially along streams. Common. 282 swampy area just south of Honor; 891 shaded area along Cedar Run Creek south of Cedar Run; 2750 shade and sun forms, Hooker Bridge.

43. **Eupatorium perfoliatum** L. Boneset, Thorough-wort.

Open swamps, moist roadsides. Common. 286 swampy area just south of Honor.

44. **Eupatorium rugosum** Houtt. White Snakeroot.

Rich hardwoods. Occasional, though it may be locally common. 1066 rich hardwoods, Case Road near Benzonia; 2774 cedar swamp along Platte River above Honor.

45. **Gaillardia aristata** Pursh. Gaillardia.

Garden escape. Roadsides. Local. 496 roadside, old U.S. 31 roadside near Manistee County line; 1877 roadside, Platte Lake and Rogers Road (Gall).

46. **Gaillardia pulchella** Foug. Gaillardia.

Garden escape. Roadsides. Local. 496 roadside, Route 22 south of Herring Lakes (Gall).

47. **Gnaphalium viscosum** HBK. Everlasting, Cudweed.

Old fields. Abundant. 748 old field, west of Wallin; 885 abandoned cornfield, near junction of Lime and Fowler Roads; 890 old field near Belt Lake; 1306 roadside, near Eliza Lake; 1498 old field, Dymond Road; 2011 old field by Fewin's Road, near access Road to Belt Lake.


Gravelly open slope, roadsides. Occasional. 1333 gravelly open slope, Gary Lake public access, locally abundant.
49. **Helianthus annuus** L. Common Sunflower.


50. **Helianthus divaricatus** L. Sunflower.

Roadsides, old beaches. Fairly frequent. Locally, it may be abundant. 608, 609 north shore Platte Lake, roadside; 1784 roadside, near public access, Long Lake; 1845 Swamp Road, roadside (Gall); 2295 roadside, North Shore Crystal Lake Drive, east end of Petritz Drive (Gall); 2610 Sec. 20 Colfax Township, T25N, R13W (Tesaker).

51. **Helianthus grosseserratus** Martens. Sunflower.

Roadsides. Very local. 1844 roadside, Marshall Road, west side, on clay bank above road, south of Covey Road (Gall); 2362, 2363 Milnichol Road about 2 miles east of Rt. 699.

52. **Helianthus laetiflorus** Pers. Sunflower.

Roadsides. Occasional. 1850 River Road, south side, just east of upper bridge, several colonies (Gall); 1851 roadside, Route 22 south of O. Mix's house, Elberta (Gall); 1852 Marshall Road, roadside, north of Eastman Road (Gall); 2550 Lindy Road (Tesaker); 2551 River Road (Tesaker); 2553 County Line Road (Tesaker); 2552 county road 699 (Tesaker); 2628 Lindy Road across from airport entry (Tesaker); 2629 Deadstream Road, near gravel pit near Honor (Tesaker).

53. **Helianthus tuberosus** L. Jerusalem Artichoke.

Roadsides, moist areas. Occasional. 1541 disturbed soil near yacht basin, Elberta (Gall); 1802 roadside, Marshall Road, east of Eastman Road; 1846 Marshall Road, west side, south of Eastman Road (Gall); 1847 railroad roadbed, Frankfort (Gall); 1848 roadside, Grace Road, south of Crawford Road (Gall); 1849 northwest corner of E. Street, Beulah (Gall).
54. **Hieracium aurantiacum** L. Devil's Paintbrush, King Devil.

Old fields, roadsides, forest openings and edges, open and semi-open swamps. Abundant.

67 semi-open swamp, Skinner Road, near North Branch Creek; 710 old field, Indian Hill Road, near junction of Saffron Road; 711 old field, Indian Hill Road, near junction of Saffron Road.

55. **Hieracium pilosella** L. Hawkweed.

2510 old college campus, Benzonia. One large colony of over 200 plants. Locality pointed out by Ed Voss of the Botany Department of the University of Michigan.

56. **Hieracium piloselloides** Vill. Yellow Hawkweed.

Old fields, roadsides, sand dunes. Abundant.

12 sand dunes, just north of Platte River Campground, Sleeping Bear Lakeshore; 345 old field, Indian Hill Road near junction of Saffron Road; 346 old field, Indian Hill Road near junction of Saffron Road; 418 old stony field near Crystal Lake, Beulah; 681, 708, 709 old field, Indian Hill Road near junction of Saffron Road; 786 old field, near Crystal Lake, Beulah; 712, 713 old field, Indian Hill Road near junction of Saffron Road. These two specimens appear intermediate between **Hieracium piloselloides** and **H. aurantiacum**.

57. **Hieracium scabrum** Michx. Hawkweed.

Roadsides. Occasional.

268 roadside, W.P. Dunn Road near Indian Hill Road; 644 roadside, Aral; 896 bulldozed area, edge of Nessen City to Thompsonville Road; 1028 roadside, Grass Lake campground; 914 dry field, Indian Hill Road near junction of Saffron Road. This specimen appears intermediate between **Hieracium scabrum** and **H. aurantiacum**.

58. **Hieracium venosum** L. Veiny Hawkweed.

Dry fields. Occasional.

1342 old field near Louise Lake; 1460 oak-pine forest, Cinder Road, west of Beulah.
59. **Hypochaeris radicata** L. Cat's-ear.

Roadsides, disturbed ground. Occasional.
1705 roadside and lawn, Crystal Lake Drive west of Lake Street; 2547 vacant lot, Leelanau Ave., Frankfort; 2906 lawn edge, Beulah, near laundromat.

60. **Inula helenium** L. Elecampane.

Roadsides, a garden escape. Occasional.
250 roadside, Aral; 2676 roadside, Aral.


Dry forest openings, edges, oak-pine forests. Occasional.
680 oak-pine forest, opening, just north of Platte River Campground, Sleeping Bear Lakeshore.

62. **Lactuca biennis** (Moench) Fern. Wild Lettuce.

Hardwood swamps. Occasional.
898 swamp hardwoods between Nessen City and Thompsonville; also noted along swamp hardwoods on Long Road.

Specimen #898 has white flowers, known as forma leucantha by some authors.

63. **Lactuca canadensis** L. v. latifolia Kuntze. Wild Lettuce.

Roadsides. Occasional.
243 roadside, Indian Hill Road near junction of Saffron Road; 899 scalped roadside, between Nessen City and Thompsonville.

64. **Lactuca serriola** L. Prickly Lettuce.

Disturbed ground. Occasional.
738 disturbed ground, Beulah; 1054 near docks, Frankfort; 1356 disturbed ground, Beulah; 2103 Honor gravel pit.

65. **Lapsana communis** L. Nipplewort.

Shaded roadsides. Occasional, quite local.
853 roadside, hardwoods, Frankfort Golf Course area; 1702 roadside, Crystal Drive, Crystal Lake; 2293 roadside, shaded, west edge of Frankfort Golf Course; 2735 settling basin, Beulah.


67. *Matricaria chamomilla* L.

2787 roadside, Deadstream Road near Route 22.


Roadsides, disturbed ground. Occasional.
384 roadside, Beulah; 782 lawn edge, Beulah.

69. *Picris hieracioides* L. Bitterweed.

Roadsides, forest edges and openings. Occasional.
643 oak-pine forest, Aral; 880 roadside, Cooper Road, north end; 1759 Lake Michigan bluff north of Aral (Gall); 1840 Hosick's Trail (Gall); 2295 oak-pine forest with bracken, trailside, east side of Bass Lake (Gall).

70. *Prenanthes alba* L. Rattlesnake Root.

Oak-pine forest edges and openings. Occasional.
642 oak-pine forest, Aral.


Margins of streams, open swamps, moist open areas. Common.
222 moist, shaded area by Hooker Bridge; 2388 old U.S. 31 about 100 yards east of new U.S. 31 (Gall), double-flowered garden escape known as Goldenglow. Occasionally established along roadsides.


Old fields, roadsides. Common. There are several forms.
187 roadside, Indian Hill Road near junction of Saffron Road; 1643 roadside, Gudemoos Road; 1853 roadside, River Road just east of Forrester Road (Gall); 1854 roadside, Deverly Road north of Nugent Road (Gall); 1855 roadside, Swamp Road, north of Mead farm entrance (Gall).
73. **Senecio aureus** L. Golden Ragwort.

Hardwood swamps. Occasional.
771 hardwood swamp along road from Thompsonville to Nessen City.

74. **Senecio pauperculus** Michx. Ragwort.

Lake margins, calcareous bogs, sand dunes. Common, often locally abundant.
14 moist area along trail just north of Platte River Campground, Sleeping Bear Lakeshore; 265 old shingle beach, 1-1/2 miles south of Aral; 685 Lake Michigan sand dune, deflation area, south of Aral.

75. **Solidago altissima** L. Tall Goldenrod.

Roadsides, moist open areas. Common, often locally abundant.
290 swampy area just south of Honor; 639 roadside, Gudemoos Road near junction of Hooker Road; 639 roadside, Aral; 1046 roadside, Platte River Point Road; 1770 Thompsonville Road (Gall); 2350 shore, Crystal Lake (Gall).

76. **Solidago caesia** L. Wreath Goldenrod.

Hardwoods. Occasional.
1110 rich hardwoods, South Shore Road, Crystal Lake; 2575 roadside, under shade, near junction of Indian Hill and Deadstream Roads.

77. **Solidago canadensis** L. Canadian Goldenrod.

Moist, open areas. Local.
151 moist, marl shoreline, Pigeon Lake, abundant.

78. **Solidago elongata** Nutt. Goldenrod.

2214 one small colony near harbor, Frankfort.

79. **Solidago flexicaulis** L. Woodland Goldenrod.

624 rich hardwoods, Hooker Bridge.
80. **Solidago gigantea** Ait. Goldenrod.

Roadsides. Occasional.
1029 roadside, Grass Lake Campground; 1768 roadside, east of Route 22, below Elberta (Gall); 1769 foot of bluffs north of Frankfort (Gall); 2713 roadside, north shore Crystal Lake.

81. **Solidago graminifolia** (L.) Salisb. Flat-top Goldenrod.

Margins of lakes, streams, moist roadsides, marshes. Common.
257 old gravelly beach south of Aral; 616 open marsh, sandy soil, just north of Platte River Campground, Sleeping Bear Lakeshore; 746 moist roadside near Betsie River, west of Wallin; 1085 margin of Betsie Lake, at yacht basin, Elberta; 1465 south shore, Crystal Lake, edge; 2348, 2349 shore Crystal Lake (Gall).

82. **Solidago hispida** Muhl. Goldenrod.

Oak-pine forests. Occasional.
1379 oak-pine forest, Cinder Road west of Lamb Road; 2627 oak-pine forest, Cinder Road.

83. **Solidago juncea** Ait. Early Goldenrod.

Old fields, roadsides, oak-pine forest edges. Occasional.
1338, 1339 oak-pine forest, Lamb Road; 2058 oak-pine forest, Cinder Road; 2065 old field, Cinder Road.

84. **Solidago nemoralis** Ait. Old-field Goldenrod.

Old fields, Lake Michigan sand dunes. Local.
640 Lake Michigan sand dunes, Elberta; 1083 north shore, Crystal Lake, flats; 2351 shore, Crystal Lake (Gall).

85. **Solidago patula** Muhl. Goldenrod.

Moist roadsides, edges of swamp hardwoods, moist hardwoods, marshy areas. Occasional.
289 cedar swamp, Honor; 749 swampy area near Betsie River west of Wallin; 1390 semi-open moist hardwoods, south end of Swamp Road; 1652 roadside, edge, swamp hardwoods; 2756 cedar swamp, Honor.
86. **Solidago rugosa** Mill. Goldenrod.

bogs, swamp edges, moist forest edges. Common.
637 moist forest edge, Gudemoos Road near junction of Hooker Road; 897 edge of Black Spruce swamp, along road from Thompsonville to Nessen City; 1095 semi-open cedar swamp just south of Honor; 1632 Deadstream bog, open sedge area just west of Ryan Road, near Indian Hill Road.

87. **Solidago spathulata** DC. Goldenrod.

Sand dunes, sandy lake shores. Local.
1107, 1108 old shingle beach south of Aral; 1464 south shore Crystal Lake by railroad.

88. **Solidago uliginosa** Nutt. Goldenrod.

Bogs, calcareous bogs, cedar swamps. Occasional.
894 calcareous bog, Belt Lake; 1042 Deadstream bog, edge of Deadstream Road; 1659 small bog, Otter Creek cedar swamp; 1767 Deadstream bog, Indian Hill Road, opposite Ryan Road (Gall).

89. **Sonchus asper** (L.) Hill. Sow Thistle, Prickly Sow Thistle.

Roadsides, disturbed ground. Occasional.
739 disturbed ground, Beulah; 1355 abandoned muck farm, Beulah; 1975 roadside, Deadstream Road.

90. **Sonchus uliginosus** Bieb. Sow Thistle.

Moist shores, old field, roadside. Occasional.
90 moist shore, Sylvan Point, Little Platte Lake; 483 old field, Frankfort; 1783 moist shore, Long Lake; 2911 roadside, Route 115 between Frankfort and Benzonia.

91. **Tanacetum vulgare** L. Tansy.

Roadsides. Occasional.
467 roadside, near hospital, Frankfort; 2755 moist meadow, Honor, just north of Henry Street; noted as common along railroad by Betsie River Bridge, Elberta.

92. **Taraxacum laevigatum** (Willd.) DC. Red-fruited Dandelion.

Old fields, roadsides. Common, often locally abundant.
892 abandoned cornfield, Lime and Fowler Roads junction; 1500 old field, Indian Hill Road near junction of Saffron Road.

   Disturbed ground, lawns. Common.
   201 old field, Beulah.

94. **Tragopogon dubius** Scop. Goat's Beard.

   Old fields, roadsides. Common.
   204 old field, Beulah; 398 roadside, south of Platte Lake;  
   2321 Weldon Road (Gall); 2322 Turtle Lake (Gall).

95. **Tragopogon pratensis** L. Goat's Beard.

   Disturbed ground. Occasional. Probably more common than  
   present records indicate.
   1736 east end of Agriculture Stabilization office, Beulah  
   (Gall); 2820 parking lot, old Court House, Beulah.

96. **Xanthium strumarium** L. Cocklebur.

   Moist shores. Occasional.
   1385 moist lake shore, Crystal Lake, east of boat livery,  
   North Shore Drive, five dwarfed plants about 10 inches  
   high, August 31, 1971.