

Silver Bay YMCA Wildflower Exploration

REFERENCES

Newcomb's Wildflower Guide

Newcomb, Lawrence and Gordon Morrison
Little, Brown and Company, Boston, 1989.

Weeds of the Northeast

Uva, Richard H., Joseph C. Neal
and Joseph M. DiTomaso
Cornell University Press, Ithaca, 1997.

A Field Guide to Wildflowers of Northeastern and Northcentral North America

Peterson, Roger Tory and Margaret McKenny
Houghton Mifflin Company, Boston, 1968.

National Audubon Society

Field Guide to North American Wildflow- ers

Eastern Region

Thieret, John W., William A. Niering and
Nancy C. Olmstead
Chanticleer Press, Inc., New York, 2001.

Wildflowers in the Field and Forest

A Field Guide to the Northeastern United States

Clemants, Steven and Carol Gracie
Oxford University Press, New York, 2006.

Manual of Vascular Plants

of Northeastern United States and Adjacent Canada

Second Edition

Gleason, Henry A. and Arthur Cronquist
The New York Botanical Garden
1991 (corrected edition 2003)

Quick Flower Finder Tip

Leaves opposite, alternate, basal only
or whorled?

Leaves entire (smooth edge) or with
teeth (dandelion) or lobed (oak)?

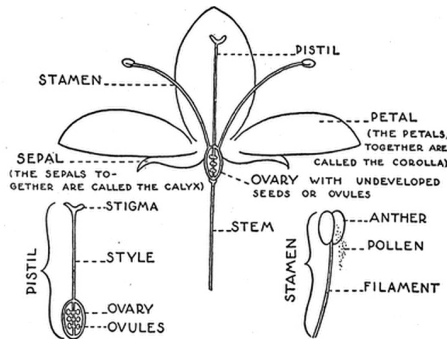
Flower color?

Flower regular (rose) or irregular
(snapdragon)?

Number of petals?

Then look in a wildflower book which
uses a key system (Newcomb).

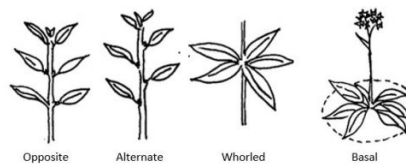
PARTS OF A FLOWER



LEAF SHAPES



LEAF ARRANGEMENTS



Milkweed

Whorled
Loosestrife



Common
Dandelion

White Wood
Aster



GLOSSARY

Anther Pollen-bearing part of the stamen.

Apex Tip of a leaf.

APICES



Bract A modified leaf at the base of a flower.

Calyx All the sepals of a flower.

Corolla All the petals of a flower.

Carpel Stigma, style, ovary, and ovule.

Dehiscent Breaking open at maturity to release contents.

Diocious Male and female flowers on different plants, like American holly.

Ecotone The boundary that separates two plant communities, e.g. trees in woods and grasses in fields.

Filament Stalk of a stamen.

Involucre A circle of bracts below a flower.

Margin The edge of a leaf blade.

Monoecious Having unisexual flowers, with the flowers of both sexes borne on a single plant, as in corn and pines.

Ovary The basal portion of a carpel enclosing the ovules.

Ovule The seed before fertilization.

Peduncle Stalk supporting the flower head (inflorescence).

Perianth The petals and sepals or the calyx plus the corolla

Petal Petals are used to attract insects into the flower.

Petiole Leaf stalk.

Sepal Sepals protect the flower while the flower is developing from a bud.

Stamen The filament and anthers, collectively the male part.

Stigma The female part covered in a sticky substance that the pollen grains will adhere to.

Style Raises the stigma away from the ovary to decrease the likelihood of pollen contamination.

Tepal The petals and the sepals collectively.

Whorl A ring of structures, such as leaves, encircling a stem or shoot.

WEB SITES

US Dept. of Agriculture plant database at
<http://plants.usda.gov/>

Silver Bay flowers

https://dkstillinger.github.io/Flowers_dks/

Silver Bay Campus and Nearby Areas

Wildflower Checklist

Here's a list of over 200 wildflowers that have been found on the Silver Bay campus and in the surrounding town of Hague.

N = native, I = introduced, A = annual, B = biennial, P = perennial.

Agrimony N
Alexanders, Golden N
Alfalfa I
Alyssum, Hoary I
Aster, Large-leaved N
Aster, White Wood N
Avens, White N
Avens, Rough N
Baneberry, Red N
Baneberry, White N
Bedstraw (Wild Madder) I
Beechdrops N
Beggar Ticks N
Bellwort N
Betony, Wood N
Bindweed, Black I
Bindweed, Hedge N
Bishop's Weed I
Black-eyed Susan N
Blueberry, Early Low N
Blue-eyed Grass N
Bluets N
Bouncing Bet (Soapwort) I
Bugloss, Viper's I
Bunchberry N
Burdock, Common I
Buttercup, Tall I
Butterfly Weed N
Buttonbush N
Campion, Bladder I
Catnip I
Celandine I
Chamomile, Mayweed I
Chickweed, Common I
Chickweed, Mouse-ear I
Chicory I
Cicely, Sweet N
Cinquefoil, Common N P
Cinquefoil, Rough N B
Cinquefoil, Rough-fruited (Sulphur) I P
Clintonia N
Clover, Red I
Clover, White I
Clover, White Sweet I
Clover, Yellow Sweet I
Cocklebur, Common N A
Coltsfoot I
Columbine, Wild N

Corydalis, Pale N
Cowwheat N
Cress, Common Winter I
Cuckooflower N
Daisy, Oxeye I
Dandelion, Common I
Dayflower, Asiatic I
Dock, Curled I
Dogbane, Indian Hemp N
Dogbane, Spreading N
Echinacea N
Evening Primrose N
Everlasting, Pearly N
Feverfew I
Fleabane, Daisy N
Foamflower N
Forget-me-not, True I
Four-o'clock, Wild N
Galinsoga I
Gaywings (Fringed Polygala) N
Goatsbeard, Yellow I
Goldenrod N
Goldthread N
Grape, Riverbank N
Grape, Summer N
Ground Cherry, Clammy N
Groundnut N
Harebell N
Hatpins N P
Hawkweed, Canada N
Hawkweed, Common I
Hawkweed, Field I
Hawkweed, Mouse Ear I
Hawkweed, Orange I
Heal-all (Prunella) N
Herb Robert N
Hog Peanut N
Honeysuckle, Bush N
Honeysuckle, Japanese I
Honeysuckle, Morrow's I
Honeysuckle, Tatarian I
Horehound, Water N
Horsetail, Field N P
Horsetail, Scouring-rush N P
Huckleberry, Black N
Indian Cucumber Root N
Indian Pipe N
Indian Tobacco N
Iris, Blue Flag N
Iris, Yellow I
Jack-in-the-pulpit N
Jewelweed N
Joe-Pye Weed, Spotted N
Joe-Pye Weed, Sweet-scented N
Johnny Jumpup I A
Knapweed, Spotted I
Knotweed, Japanese I
Knotweed, Lady's Thumb I
Knotweed, Pink N
Ladies' Tresses, Wide-leaved N
Lady's Slipper, Pink N
Lady's Slipper, Yellow N
Lamb's Quarters I
Lettuce, Prickly I
Lettuce, White N

Licorice, Wild N
Lily, Day I
Lily, Wood N
Locust, Black N
Loosestrife, Fringed N
Loosestrife, Purple I
Loosestrife, Whorled N
Loosestrife, Yellow (Swamp Candles) N
Lychnis, Evening I
Mallow, Cheeses I
Mallow, Musk I
Marigold, Marsh N
Mayflower, Canada N
Meadow Rue, Early N
Meadow Rue, Tall N
Meadowsweet N
Medick, Black I
Milkweed, Common N
Milkweed, Poke N
Mint, Peppermint I
Mint, Wild N
Miterwort N
Moneywort I
Motherwort I
Mugwort I
Mullein, Common I B
Mullein, Moth I
Mustard, Garlic I B
Mustard, Tower N
Nettle, False N
Nettle, Horse N P
Nettle, Tall N
Nightshade, Bittersweet I
Nightshade, Black I
Nightshade, Enchanter's N
Orchid, Helleborine I
Parsnip, Wild I
Partridgeberry N
Pea, Everlasting I
Pennycress, Field I
Pepperbush, Sweet N
Peppergrass, Wild N
Pimpernel, Yellow N
Pinesap N
Pink, Deptford I
Plantain, Common I
Plaintain, English I
Pogonia, Rose N
Poison Ivy N
Pondweed, Whitestem N
Pussytoes, Field N
Queen Anne's Lace I
Radish, Wild I
Ragweed, Common N
Raspberry, Black N
Raspberry, Purple-flowering N
Rattlesnake Root, Tall N P
Reindeer Moss N
Rocket, Dame's I
Rose, Wild N
St. Johnswort, Common I
Saxifrage, Early N
Shepherd's Purse I
Skullcap, Mad-dog N

Snakeroot, Black N
Snakeroot, White N
Solomon's Seal, False N
Solomon's Seal, Hairy N
Sorrel, Common Wood N
Sorrel, Yellow Wood N
Smartweed, Pennsylvania N A
Speedwell, Common N
Speedwell, Thyme-leaved I
Spurge, Leafy I
Starflower N
Stitchwort, Lesser I
Steeplebush N
Stonecrop, Mossy I
Strawberry, Barren N
Strawberry, Wild N
Sumac, Staghorn N
Sundrops N
Sunflower, Woodland N
Sweet Fern N
Tea, New Jersey N
Thimbleweed N
Thistle, Bull I
Thistle, Canada I
Thistle, Globe I
Thistle, Common Sow I
Thyme, Wild I
Tick Trefoil, Panicle N
Tick Trefoil, Pointed-leaved N
Tick Trefoil, Showy N
Toadflax, Star N
Toothwort N
Trefoil, Birdsfoot I
Trillium, Painted N
Trillium, Purple N
Turtlehead N
Valerian I
Venus's Looking-glass N
Vervain, Blue N
Vervain, White N
Vetch, Cow I
Vetch, Crown I
Violet, Common Blue N
Violet, Long-spurred N
Violet, Northern White N
Violet, Sweet White N
Virginia Creeper N
Willow Herb, Hairy I
Wintergreen N
Witch Hazel N
Yarrow I