

(trillium erectum)  
 Rose, Multiflora  
 Rose, Wild  
 Round Headed Bush-clover (lespedeza apetata)  
 Shepherd's Purse (capsella bursa-pastoris)  
 Smart Weed  
 Solomon Seal (polygonatum biflorum)  
 Sourdock  
 Spanish Needles (bidens bipinnata)  
 St. Johnswort, common (hypericum perforatum)  
 Stinging Nettle (urtica dioica)  
 Sumac, smooth (rhus glabra)  
 Sunflower (helianthus annus)  
 Sweet Cicely (osmhiza lonistylis)  
 Sweet Flag (acorus americanus)  
 Tansy, common (tanacetum vulgare)  
 Teasel  
 Thistle, Canadian (cirsium avense)  
 Thistle, Sow  
 Trout Lily (Erythronium americanum)  
 Valerian (valeriana officinalis)  
 Violet  
 White Baneberry or Doll's Eyes (actea pachypoda)--  
 POISON  
 White Clover (trifolium repens)  
 White Snakeroot (Eupatorium rugosum)-POISON  
 White Sweet-Clover (melilotus alba)  
 Wild Geranium (geranium robertainum)  
 Wild Ginder (asarum canadensa)  
 Wild Mint (mentha canadensis or arvensis)  
 Wild Mustard (Bassica Rapa)  
 Wormwood (artemesia absinthuim)—POISON  
 Yarrow Acvhillea Millefolium  
 Yellow Jewelweed or Pale Touch Me Not (impatiens pallida)  
 Yellow Nutsedge  
 Yellow Rocket  
 Yucca (Adam's Nedddle) Yucca flamentosa

# CAMP BERRY ECOLOGY HANDBOOK



The following nature pages are from  
 a collection from The 75<sup>th</sup>  
**Anniversary Edition of the Camp  
 Berry Ecology Handbook, 1998.**  
 Used with permission from Larry  
 Musser, who created the original  
**Camp Berry Ecology Handbook.**

**Enjoy Camp Berry**

## Trees

Arborvitae  
Ash, Green  
Ash, Wafer  
Ash, White  
Aspen  
Basswood, Linden  
Beech  
Buckeye, Ohio  
Catalpa  
Cheery, Choke  
Cherry, Wild Black  
Cottonwood  
Dogwood  
Elder, Box  
Elm, American  
Elm, Slippery  
Hackberry  
Hawthorn, Thorn Apple  
Hemlock  
Hickory, Bitternut  
Hickory, Shagbark  
Ironwood  
Locust, Black  
Locust, Honey  
Maple, Red  
Maple, Silver  
Maple, Sugar  
Mulberry  
Oak, Black  
Oak, Chestnut  
Oak, Chinquapin  
Oak, Pin  
Oak, Red Northern  
Oak, White  
Oak, White Swamp  
Osage, Orange  
Pawpaw

Pine, Austrian  
Pine, Norway  
Pine, Red  
Pine, Scotch  
Pine, Virginia  
Pine, White  
Spruce, Blue  
Sumac, Staghorn  
Sycamore  
Tuliptree or Yellow Poplar  
Walnut, White Butternut  
Willow, Black  
Willow, Sandbar  
Willow, Weeping

## Birds

Bittern, American  
Blackbird, Red-winged\*  
Blackbird, Rusty  
Bluebird, Eastern\*  
Bobolink\*  
Bobwhite, Eastern\*  
Bufflehead  
Bunting, Indigo\*  
Bunting, Snow  
Cardinal, Northern\*  
Catbird\*  
Chat, Yellow Breasted  
Coot, American  
Chickadee, Black-capped\*  
Cowbird, Brown-headed\*  
Cormorant, Double-crested  
Creeper, Brown  
Crossbill, Red  
Crow, Common\*  
Cuckoo, Black-billed\*  
Cuckoo, Yellow-billed\*  
Dickcissel

Jack in the Pulpit (*arisaema triphyllum*)  
Jimson Weed (*datuna starmonium*)—TOXIC  
Joe Pye Weed (*eupatorium maculatum*, 2-9 feet)  
Juniper Species  
Lambsquarters (*chenopodium album*)  
Lemon Balm Melissa (*mellissa officinalis*)  
Mallow Cheeses, common (*malva neglecta*)  
Mallow (*malva sylvestius*)  
Mayapple, American Mandrake (*podophyllum pettatum*)  
Mayweed Dog Fennel (*anthemis catula*) very bad odor  
Meadow Sweet or Queen of the Meadow (*philipendula ulmaria*)  
Milkweed (*asclepias quadrifolia*) Monarch butterfly plant  
Motherwort (*leonurus cardiaca*)  
Mountain Mint (*pycnanthemum virginianum*)  
Mugwort  
Mullien, common (*verbascun thapsus*)  
New England Aster (*aster novae angliae*)  
Nightshade, Bittersweet—POISION  
Nightshade, Common (*solanum nigrum*)—POISION  
Panicum, Fall  
Pigweed, Green Amaranth (*amaranthus retroflepus*)  
Pigweed, Redroot  
Pineapple Weed (a form of chamomile that grows in driveways)  
Plantain, regular and buckhorn  
Poison Hemlock (*conium maculatum*)— DEADLY POISON  
Poison Ivy—POISION  
Poison Oak —POISION  
Pokeweed (*phytolacca Americana*)—POISION  
Poor Man's Pepper, Peppergrass (*lepidium virginicum*)  
Purple Cornflower (*echinecea pupurea*)  
Purple Loasestribe (*lythrum salicaria*)  
Purslane (*portulaca oleracea*)  
Queen Anne's Lace or Wild Carrot (*daucus carota*)  
Raweed, common and giant  
Red Baneberry (*actae rubra*)—POISION  
Red Trillium, Wakeroben bethroot

Cleavers (*galium aparine*)  
 Clover, White Sweet  
 Clover, Yellow Sweet  
 Coklebur (*xanthium strumarium*) –POISON  
 Coltsfoot (*tusselago farfara*)  
 Comfrey (*Symphytum officinale*)  
 Common Evening Primrose (*oenothera biennis*)  
 Common Plantain (*plantago major*)  
 Common Strawberry (*Fragaria Virginiana*)  
 Creeper, Trumpet or Vine  
 Creeper, Virginia  
 Creeping Wood Sorrel (*oxalis corniculata*)  
 Curly Dock  
 Daisy Fleabane (*erigeron Philadelphicus*)  
 Dandelion (*taraxacum officinale*)  
 Dutchman's Breeches (*dicentra cucullaria*)  
 Dwarf Ginseng (*panax trifolius*)  
 Elderberry  
 False Soomon's Seal (*smilacina racemosa*)  
 Fennel (*foeniculum vulgare*)  
 Feverfew (*Chrysanthemum parthenium*)  
 Foamflower (*tiarella cordifolia*)  
 Foxtail, yellow, green and giant  
 Garlic (*allium sativum*)  
 Golden Ragwort (*senecia aureus*)  
 Goldenrod (many different types)  
 Grapevine, Wild  
 Grass, Barnyard  
 Brass, Crab  
 Grass, Goose  
 Grass, Johnson  
 Grass, Quack  
 Heal All Self Heal (*prunella vulgaris*)  
 Hemp Dogbane  
 Honeysuckle  
 Hops  
 Horse Weed (*erigeron canadensis*)  
 Iron Weed (*vernonia glauca*)

Dove, Mourning\*  
 Dove, Rock  
 Duck, Black  
 Duck, Ring-neck  
 Duck, Wood\*  
 Eagle, Bald  
 Egret, Great  
 Finch, House  
 Finch, Purple  
 Flicker, Northern\*  
 Flycatcher, Acadian  
 Flycatcher, Alder\*  
 Flycatcher, Great Crested\*  
 Flycatcher, Least\*  
 Flycatcher, Willow\*  
 Flycatcher, Yellow-bellied  
 Gnatcatcher, Blue-gray\*  
 Goldfinch, American\*  
 Goose, Canada\*  
 Goshawk, Northern  
 Grackle, Common\*  
 Grebe, Pied-billed  
 Grosbeak, Evening  
 Grosbeak, Pine  
 Grosbeak, Rose-breasted  
 Gull, Herring  
 Gull, Ring-billed  
 Harrier, Northern  
 Hawk, Broad-winged  
 Hawk, Cooper's\*  
 Hawk, Red-shouldered  
 Hawk, Red-tailed\*  
 Hawk, Rough-legged  
 Hawk, Sharp-shinned  
 Heron, Black-crowned Night  
 Heron, Great Blue  
 Heron, Green Backed  
 Hummingbird, Ruby-throated\*

Jay, Blue  
 Junco, Dark-eyed  
 Kestrel  
 Killdeer\*  
 Kingbird, Eastern\*  
 Kinglet, Golden-crowned  
 Kinglet, Ruby-crowned  
 Lark, Horned\*  
 Longspur, Lapland  
 Mallard\*  
 Martin, Purple\*  
 Meadowlark, Eastern\*  
 Merganser, Hooded  
 Mockingbird, Northern  
 Nighthawk, Common  
 Night Heron, Yellow-crowned  
 Nuthatch, Red-breasted  
 Nuthatch, White-breasted\*  
 Oriole, Baltimore\*  
 Oriole, Orchard  
 Osprey  
 Ovenbird  
 Owl, Barn  
 Owl, Barred\*  
 Owl, Eastern Screech\*  
 Owl, Great Horned\*  
 Owl, Snowy  
 Peewee, Eastern Wood\*  
 Pheasant, Ring-necked\*  
 Phoebe, Eastern\*  
 Redpoll, Common  
 Redstart, American\*  
 Robin, American\*  
 Sandpiper, Solitary\*  
 Sandpiper, Spotted  
 Sandpiper, Upland  
 Sapsucker, Yellow-bellied  
 Scaup, Lesser

Shrike, Loggerhead  
 Siskin, Pine  
 Snipe, Common  
 Sparrow, Chipping\*  
 Sparrow, English (House)\*  
 Sparrow, Field\*  
 Sparrow, Fox  
 Sparrow, Grasshopper\*  
 Sparrow, Lincoln's  
 Sparrow, Savannah\*  
 Sparrow, Song\*  
 Sparrow, Swamp  
 Sparrow, Tree  
 Sparrow, Vesper\*  
 Sparrow, White-crowned  
 Sparrow, White-throated  
 Starling, European\*  
 Swallow, Bank  
 Swallow, Barn\*  
 Swallow, Rough-winged\*  
 Swallow, Tree\*  
 Swift, Chimney  
 Tanager, Scarlet  
 Tanager, Summer  
 Teal, Blue-winged  
 Teal, Green-winged  
 Thrasher, Brown\*  
 Thrush, Gray-cheeked  
 Thrush, Hermit  
 Thrush, Swainson's  
 Thrush, Wood\*  
 Titmouse, Tufted\*  
 Towhee, Rufous-sided\*  
 Veery  
 Vireo, Soitary  
 Vireo, Warbling\*  
 Vireo, Philadelphia  
 Vireo, Red-eyed\*  
 Vireo, White-eyed\*

Vireo, Yellow-throated  
 Vulture, Turkey\*  
 Warbler, Bay-breasted  
 Warbler, Black and White  
 Warbler, Blackburnian  
 Warbler, Blackpoll  
 Warbler, Black-throated  
 Blue  
 Warbler, Black-throated  
 Green  
 Warbler, Blue-winged  
 Warbler, Canada  
 Warbler, Cape May  
 Warbler, Chestnut-sided  
 Warbler, Connecticut  
 Warbler, Golden-winged  
 Warbler, Hooded  
 Warbler, Kentucky  
 Warbler, Magnolia  
 Warbler, Mourning  
 Warbler, Nashville  
 Warbler, Orange-crowned  
 Warbler, Palm  
 Warbler, Parula  
 Warbler, Pine  
 Warbler, Prairie  
 Warbler, Prothonotary  
 Warbler, Tennessee  
 Warbler, Wilson's  
 Warbler, Worm-eating  
 Warbler, Yellow\*  
 Warbler, Yellow-rumped  
 Warbler, Yellow-throated  
 Waterthrush, Louisiana  
 Waterthrush, Northern  
 Wax wing, Cedar\*  
 Whippoorwill  
 Woodcock, American\*  
 Woodpecker, Downy\*

Basilarchia aethemis astyanax (Fabricius)  
 Basilarchia archippus (Cramer)

**Family APATURIDAE**

Asterocampa celtis (Boisduval and Leconte)  
 Asterocampa clyton (Boisduval and Leconte)

**Family SATYRIDAE**

Enodia anhedon A.H. Clark  
 Megisto cymela (Cramer)  
 Cercyonis pegala (Fabricius)

**Family DANAIDAE**

Danaus plexippus (Linnaeus)

## Vines, Shrubs, Herbs and related Plants

American Penny Royal (hedeoma pulegiordis)  
 Angelica (angelica atropupurea)  
 Artichoke, Jerusalem  
 Bee Balm (oswego tea) monarda didyma  
 Beggar Ticks  
 Bindweed, Field (convolvulus arvenois)  
 Bindweed, Hedge  
 Blackberry and Black Raspberry  
 Black-eyed Susan (rudbeckia hirta)  
 Bloodroot (sanguinaria canadensis) –POISON—Warning  
 Bone Set Thoroughwort (Eupatorium perfoliatum)  
 Bouncing Bet Soapwort (saponaria officinalis)  
 Bushthron  
 Burdock, common (arctium micnis) Great Burdock, lappa  
 Buttter and Eggs (linaria vulgaris)  
 Butterfly Weed (pleurisy root asclepias tuberosa)  
 Catnip (nepeta cataria)  
 Cattail  
 Celandine (chebdonium majus) –POISON  
 Chickweed (Stellaria media)  
 Chicory (cichorium intybus)  
 Chiquefoil (potentilla arguta pursh)

Poanes hobomok (Harris)  
Euphyes ruricola (Boisduval)

**Superfamily PAPILIONOIDEA**

**Family PAPILIONIDAE**

Battus philenor (Linnaeus)  
Eurytides marcellus (Cramer)  
Papilio polyxenes Fabricius  
Heraclides crespontes (Cramer)  
Pterourus glaucus (Linnaeus)  
Pterourus Troilus (Linnaeus)

**Family PIERIDAE**

Pontia protodice (Boisduval and Leconte)  
Artogeia rapae (Linnaeus)  
Colias philocide Godart  
Colias eurytheme Boisduval

**Family LYCAENIDAE**

Lycaena phlaeas americana (Harris)  
Hyllolycaena hyllus (Cramer)  
Satyrium calanus falacer (Godart)  
Styymon melunus humuli (Harris)  
Everes comyntas (Godart)  
Celastrina ladon (Cramer)

**Family LIBYTHEIDAE**

Libytheana bachmanii (Kirtland)

**Family NUMPHALIDAE**

Speyeria cybele (Fabricius)  
Clossiana bellona (Fabricius)  
Phyciodes tharos (Drury)  
Polygonia interrogantionis (Fabricius)  
Polygonia comma (Harris)  
Polygoina progne (Cramer)  
Numphalis antiopa (Linnaeus)  
Aglais milberti (Godart)  
Vanessa virginiensis (Druryl)  
Vanessa cardui (Linnaeus)  
Junonia coenia Hubner

Woodpecker, Hairy\*  
Woodpecker, Pileated  
Woodpecker, Red-bellied\*  
Woodpecker, Red-headed\*  
Wren, Carolina\*  
Wren, House\*  
Wren, Winter  
Yellowlegs, Greater  
Yellowlegs, Lesser  
Yellow-throat, Common\*

\* denotes they have been  
known to nest on the  
property

**Insects**

Ant, Carpenter  
Ant, Little Black  
Bee, Bumble  
Beetle, Darling  
Beetle, Green June  
Beetle, Horn  
Beetle, Ladybird  
Beetle, May  
Beetle, Stag  
Cicadas  
Cockroach, American  
Crickets, filed  
Fireflies  
Fly, Black Horse  
Fly, Crane  
Fly, Dragon  
Fly, Greenbottle  
Fly, House  
Giant Water Bug  
Glow worm  
Grasshopper  
Katydids  
Locust

Mantises  
Mayfly  
Milkweed Bug  
Monarch  
Stink Bug  
Tick  
Treehopper  
Wasps, Mud

**Mammals**

Bat  
Chipmunk  
Deer, White-tailed  
Fox, Grey  
Fox, Red  
Mink  
Mole, Eastern  
Mole, Deer  
Mouse, House  
Mouse, White-footed  
Muskrat  
Opossum  
Rabbit, Cottontail  
Raccoon  
Rat, Norway  
Shrew, Common or Masked  
Shrew, Old Field  
Shrew, Short-tailed  
Skunk, Striped  
Squirrel, Flying  
Squirrel, Fox  
Squirrel, Red  
Vole, Meadow (Meadow  
Mouse)  
Weasel, Least  
Woodchuck (Ground Hog)

## Fish

Bluegill  
Bluntnose Minnow  
Brown Bullhead  
Buffalo Fish  
Carp  
Creek Chub  
Fathead Minnow  
Gizzard shad  
Green Sunfish  
Hog Sucker  
Johnny Darter  
Large-Mouth Bass  
Orange Spotted Fish  
Pumpkinseed Sunfish  
Quill-backed Carp-sucker  
Redeared Sunfish  
Rock Bass  
Shiner  
Small-Mouth Bass  
Spotted Sucker  
White Crappie  
White sucker (Black Sucker)  
Yellow Bullhead

## Amphibians

Bullfrog  
Green Frog  
American Toad  
Fowler's Toad  
Blachard's Cricket Frog  
Leopard Frog  
Pickeral Frog  
Spring Pepper  
Jefferson Salamander  
Mudpuppy

## Soils

Blount Silt  
Eel Silt Loam  
Haney Loam  
Haney Sandy Loam  
Mermill Loam  
Millsdale Silty Clay Loam  
Morley Silt Loam  
Pewamo Silty Clay Loam  
Seward Loamy Fine Sand

## Rocks, Minerals, Soils

Calcite Crystals on  
Limestone  
Calcite Veins in  
Limestone/Dolomite  
Celestite  
Chalcedony  
Chalcopyrite  
Chert  
Coal, Bituminous  
Concretions of Iron-Clay  
Concretions of Silica  
Flint  
Kaolinite  
Limonite  
Pyrite Crystals in Limestone  
Pyroxenes  
Quartz  
Quartzite  
Sandstone  
Shale  
Slate

## Erratics left by the Glacier

Almandine  
Basalt  
Coprolites  
Diorite  
Gneiss  
Granites  
Hornblende  
Marble  
Mica Schists  
Miscellaneous Rounded  
Pebbles  
Muscovite  
Olivine  
Orthoclase  
Plagioclase  
Sphalerite  
Tourmaline

## Reptiles

Black Rat Snake  
Blue Racer Snake

Eastern Gater Snake  
Eastern Milk Snake  
Eastern Ribbon Snake  
Eastern Spiny Softshell  
Five-lined Skink  
Map Turtle  
Midland Pained Turtle  
Musk Turtle  
Northern Brown Snake  
(Dekay's)  
Northern Water Snake  
Queen Snake  
Smooth Queen Snake  
Snapping Turtle

## Fossils

Brachiopods  
Corals  
Crinoids  
Bivalves  
Horn Coral  
Tree Leaves/ Stems in  
Limestone  
Variety of Shells

## Butterflies and Skippers

**Superfamily HESPERIOIDEA**  
**Family HESPERIIDAE**  
Epargyreus clarus (Cramer)  
Erynnis juvenalis (Fabricius)  
Erynnis horatius (Scudder and Burgess)  
Pholisora catullus (Fabricius) Thymelicus lineola  
(Ochsenheimer)  
Poites coras (Cramer)  
Pilites themistocles (Latreille)  
Pompeius vena (W.H.Edwards)