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A CHECKLIST OF THE VASCULAR PLANTS OF THE BIG AND LITTLE DUCK LAKES (SISKIYOU COUNTY, CALIFORNIA)

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Big Duck Lake and Little Duck Lake are located in the Russian Wilderness in the Klamath National Forest. They lie within a half mile of one another. The area is popular for its beauty and for its fishing, camping, and swimming. The nearest towns are Etna and Callahan along State Route 3 north of Weaverville. Access is gained via French Creek Road and the Duck Lake Trailhead. The trail is rated as moderate to strenuous.

| | BDL | LDL |
|-----------|----------|----------|
| Elevation | 6463 ft. | 6673 ft. |
| Length | 1800 ft. | 800 ft. |

The area is of special interest to conifer enthusiasts (affectionately known as "coneheads"), spurred especially after the discovery by John Sawyer and Dale Thornburgh of Humboldt State University of subalpine fir (*Abies lasiocarpa*), a first for the state. The most dramatic of them is the Brewer spruce (*Picea breweriana*). As W. L. Jepson noted in 1909, "The appearance of the tree is so strikingly different from any other conifer that they cannot ever be mistaken and at once arrest the attention of the traveler." In a roughly one square mile area around Little Duck Lake are 18 conifer species - more than a third the number found in all of northwestern California. It has become known as the "Miracle Mile." See Michael Kauffmann's website for a more complete story.

On a more personal note, one of life's great pleasures was visiting the area with my friend and colleague, John Sawyer.

LYCOPHYTES

Isoëtaceae · Quillwort Family

Isoetes bolanderi
Isoetes occidentalis

FERNS

Athyriaceae · Lady Fern Family

Athyrium filix-femina var. *cyclosporum*
Athyrium distentifolium var. *americanum*

Cystopteridaceae · Bladder Fern Family

Cystopteris fragilis

Dryopteridaceae · Wood Fern Family

Polystichum imbricans

Pteridaceae · Brake Fern Family

Cryptogramma acrostichoides

CONIFERS

Cupressaceae · Cypress Family

Calocedrus decurrens
Juniperus communis var. *saxatilis*
Juniperus occidentalis

Pinaceae • Pine Family

Abies concolor var. *lowiana*
Abies lasiocarpa var. *lasiocarpa*
Abies ×shastensis
Picea breweriana
Picea engelmannii var. *engelmannii*
Pinus albicaulis
Pinus balfouriana var. *balfouriana*
Pinus contorta var. *murrayana*
Pinus jeffreyi
Pinus lambertiana
Pinus monticola
Pinus ponderosa var. *ponderosa*
Pseudotsuga menziesii var. *menziesii*
Tsuga mertensiana

Taxaceae • Yew Family

Taxus brevifolia

FLOWERING PLANTS

Asparagaceae • Onion or Asparagus Family

Allium parvum
Allium validum
Hastingsia alba
Maianthemum racemosum
Maianthemum stellatum

Betulaceae • Birch Family

Alnus viridis ssp. *sinuata*

Boraginaceae • Borage Family

Cynoglossum occidentale
Hackelia micrantha

Caprifoliaceae • Honeysuckle Family

Linnaea borealis var. *longiflora*
Lonicera conjugialis

Caryophyllaceae • Carnation or Pink Family

Eremogone congesta
Silene douglasii
Stellaria crispa

Celastraceae • Spindle Tree Family

Parnassia palustris

Compositae (Asteraceae) • Aster Family

Achillea millefolium
Ageratina occidentalis
Antennaria argentea
Antennaria howellii
Antennaria media
Antennaria rosea ssp. *rosea*
Arnica cordifolia
Arnica diversifolia
Arnica latifolia
Arnica mollis
Balsamorhiza deltoidea
Balsamorhiza hookeri
Ericameria greenei
Erigeron cervinus
Erigeron compositus
Erigeron glacialis var. *glacialis*
Erigeron petrophilus var. *viscidulus*
Eriophyllum lanatum var. *integrifolium*
Eucephalus ledophyllus var. *ledophyllus*
Hazardia whitneyi var. *discoidea*
Hieracium bolanderi
Hieracium horridum
Hieracium nudicaule
Hieracium scouleri
Hieracium triste
Microseris nutans
Oreostemma alpigenum var. *andersonii*
Senecio integerrimus var. *major*
Senecio triangularis
Solidago canadensis ssp. *elongata*
Solidago elongata

Crassulaceae • Stonecrop Family

Rhodiola integrifolia ssp. *integrifolia*
Sedum obtusatum ssp. *retusum*

Cruciferae (Brassicaceae) • Mustard Family

Arabis divaricarpa var. *interposita*
Arabis holboellii var. *retrofracta*
Arabis holboellii var. *pinetorum*
Streptanthus tortuosus var. *tortuosus*

Cyperaceae • Sedge Family

Calliscirpus criniger
Carex amplifolia
Carex bolanderi
Carex echinata ssp. *echinata*

Carex fissuricola
Carex luzulina var. *luzulina*
Carex nigricans
Carex scopulorum var. *bracteosa*
Carex spectabilis
Carex straminiformis
Eleocharis acicularis
Eriophorum crinigerum

Ericaceae • Heath Family

Arctostaphylos nevadensis
Arctostaphylos patula
Cassiope mertensiana ssp. *ciliolata*
Chimaphila umbellata
Gaultheria humifusa
Kalmia microphylla var. *microphylla*
Leucothoë davisiae
Orthilia secunda
Phyllodoce empetriformis
Pyrola picta
Rhododendron columbianum
Vaccinium caespitosum
Vaccinium membranaceum
Vaccinium scoparium

Fagaceae • Beech or Oak Family

Chrysolepis sempervirens

Gentianaceae • Gentian Family

Gentiana newberryi var. *newberryi*

Gramineae (Poaceae) • Grass Family

Agrostis exarata
Agrostis pallens
Calamagrostis breweri
Calamagrostis canadensis var. *langsdorffii*
Cinna latifolia
Danthonia californica
Danthonia intermedia ssp. *intermedia*
Danthonia unispicata
Elymus elymoides var. *elymoides*
Glyceria elata
Glyceria striata
Hordeum brachyantherum
Phleum alpinum
Poa secunda ssp. *secunda*
Poa wheeleri
Stipa occidentalis var. *californica*

Trisetum canescens
Trisetum spicatum

Grossulariaceae • Gooseberry Family

Ribes binominatum
Ribes lacustre
Ribes lobbii
Ribes nevadense
Ribes sanguineum var. *sanguineum*
Ribes viscosissimum

Guttiferae (Hypericaceae) • St. John's Wort

Hypericum anagallides

Hydrophyllaceae • Waterleaf Family

Hydrophyllum occidentale
Phacelia mutabilis

Juncaceae • Rush Family

Juncus drummondii
Juncus mertensianus
Juncus nevadensis
Juncus parryi
Luzula divaricata
Luzula subcongesta

Lamiaceae (Labiatae) • Mint Family

Monardella odoratissima ssp. *glauca*

Leguminosae (Fabaceae) • Bean or Pea Family

Lupinus andersonii
Lupinus breweri var. *breweri*
Trifolium productum

Liliaceae • Lily Family

Clintonia uniflora
Lilium kelleyanum
Lilium pardalinum ssp. *shastense*
Prosartes hookeri
Streptopus amplexifolius

Melanthiaceae • False Hellebore Family

Trillium ovatum ssp. *oettingeri*
Veratrum californicum var. *californicum*
Veratrum viride var. *eschscholzianum*

Montiaceae • Miner's-Lettuce Family

Lewisia leeana

Lewisia triphylla
Montia parvifolia

Namaceae • Nama Family

Nama lobbia

Nartheciaceae • Bog-Asphodel Family

Narthecium californicum

Onagraceae • Evening-Primrose Family

Chamerion angustifolium ssp. circumvagum

Epilobium glaberrimum ssp. fastigiatum

Epilobium hallianum

Epilobium hornemannii ssp. hornemannii

Orchidaceae • Orchid Family

Corallorhiza mertensiana

Platanthera dilatata var. leucostachys

Spiranthes romanzoffiana

Polemoniaceae • Phlox Family

Phlox diffusa

Polemonium pulcherrimum

Polemonium pulcherrimum

Polygonaceae • Knotweed or Smartweed Family

Eriogonum dielinum

Eriogonum nudum var. nudum

Eriogonum umbellatum var. argus

Eriogonum umbellatum var. humistratum

Polygonum davisiae

Primulaceae • Primrose Family

Dodecatheon alpinum

Dodecatheon jeffreyi

Ranunculaceae • Buttercup Family

Aconitum columbianum ssp. columbianum

Anemone deltoidea

Anemone lyallii

Anemone oregana var. oregana

Caltha leptosepala

Delphinium decorum ssp. tracyi

Ranunculus eschscholtzii

Rhamnaceae • Buckthorn Family

Ceanothus prostratus

Ceanothus velutinus

Frangula californica

Rosaceae • Rose Family

Amelanchier pallida

Drymocallis hansenii

Drymocallis lactea var. lactea

Horkelia daucifolia var. daucifolia

Luetkea pectinata

Potentilla flabellifolia

Prunus emarginata

Prunus virginiana var. demissa

Rosa gymnocarpa

Rubus lasiococcus

Sibbaldia procumbens

Spiraea douglasii

Salicaceae • Willow Family

Populus trichocarpa

Saxifragaceae • Saxifrage Family

Boykinia major

Heuchera merriamii

Mitella pentandra

Saxifragopsis fragarioides

Scrophulariaceae • Scroph or Figwort Family

Castilleja arachnoidea

Collinsia rattanii

Mimulus breweri

Mimulus moschatus

Mimulus primuloides var. primuloides

Pedicularis bracteosa var. flavida

Pedicularis contorta

Penstemon deustus

Penstemon newberryi var. berryi

Penstemon procerus var. brachyanthus

Sambucaceae • Elderberry Family

Sambucus racemosa var. microbotrys

Tofieldiaceae • False Asphodel Family

Triantha occidentalis ssp. brevistyla

Triantha occidentalis ssp. occidentalis

Typhaceae • Cat-tail Family

Sparganium angustifolium

Umbelliferae (Apiaceae) • Carrot Family

Ligusticum californicum
Ligusticum grayi
Lomatium macrocarpum
Perideridia parishii ssp. *latifolia*
Sanicula graveolens

Valerianaceae • Valerian Family

Valeriana californica

Violaceae • Violet Family

Viola adunca ssp. *adunca*

Viola glabella

Viola macloskeyi

Viola nephrophylla

S O U R C E S

This checklist is based primarily on plants cited in the Consortium of California Herbaria and those deposited in the HSU Vascular Plant Herbarium.