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VASCULAR PLANTS OF HORSE MOUNTAIN (HUMBOLDT COUNTY, CALIFORNIA)

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Horse Mountain (elevation 4952 ft.) is located at 40.8743N, -123.7328 W. The closest town is Willow Creek, about 15 miles to the northeast. Access is via County Road 1 (Titlow Hill Road) off State Route 299. You have now left the Coast Range and entered the Klamath-Siskiyou Region. The area offers commanding views of the Pacific Ocean and the Trinity Alps. Serpentine (ultramafic rock) is a common substrate. About 1100 acres, ranging from 3900-4800 ft., have been set aside as the Horse Mountain Botanical Area, administered by the Six Rivers National Forest.

Mine tailings, remnants of a processing facility, and scattered pits are reminders of Horse Mountain's mining history. The peak itself is now the home of various of communication towers.

FERNS & LYCOPHYTES

ATHYRIACEAE • LADY FERN FAMILY

Athyrium filix-femina • Lady fern

DENNSTAEDTIACEAE • BRACKEN FERN FAMILY

Pteridium aquilinum var. *pubescens* • Bracken fern

DRYOPTERIDACEAE • HOLLY FERN FAMILY

Polystichum imbricans ssp. *imbricans* • Narrow-leaved sword fern

Polystichum munitum • Western sword fern

Pinus ponderosa var. *pacifica* • Ponderosa pine

Pseudotsuga menziesii • Douglas-fir

FLOWERING PLANTS

ACERACEAE • MAPLE FAMILY

Acer glabrum var. *glabrum* • Mountain maple

Acer macrophyllum • Big-leaf maple

Polystichum x scopulinum • Bristle or holly fern

PTERIDACEAE BRAKE FERN FAMILY

Adiantum pedatum var. *aleuticum* • Maidenhair fern

Aspidotis densa • Indian's dream

Cheilanthes gracillima • Lace fern

Cryptogramma achrostichoides • Parsley fern

SELAGINELLACEAE

Selaginella wallacei • Wallace's spike-moss

CONIFERS

CUPRESSACEAE • CYPRESS FAMILY

Calocedrus decurrens • Incense-cedar

Chamaecyparis lawsoniana • Port Orford-cedar

PINACEAE • PINE FAMILY

Abies concolor x *A. grandis* • White fir - grand fir hybrid

Abies grandis • Grand fir

Pinus attenuata • Knobcone pine

Pinus jeffreyi • Jeffrey pine

Pinus lambertiana • Sugar pine

Pinus monticola • Western white pine

AMARYLLIDACEAE • AMARYLLIS OR ONION FAMILY

Allium falcifolium • Scythe-leaved onion

Allium siskiyouense • Siskiyou onion

ASPARAGACEAE • HYACINTH OR ASPARAGUS FAMILY

Brodiaea elegans ssp. *elegans* • Harvest brodiaea

Dichelostemma capitatum ssp. *capitatum* • Blue dicks

Hastingsia alba • white rush-lily
Hastingsia serpentinicola • Serpentine rush-lily
Maianthemum racemosum • False lily-of-the-valley
Trileia laxa • Ithuriel's spear •

APOCYNACEAE • DOGBANE FAMILY

Apocynum androsaemifolium • Mountain-hemp

ARALIACEAE • ARALIA OR SPIKENARD FAMILY

Aralia californica • California spikenard

ARISTOLOCHIACEAE • DUTCHMAN'S PIPE FAMILY

Asarum caudatum • Long-tailed wild ginger
Asarum hartwegii • Hartweg's wild ginger

BERBERIDACEAE • BARBERRY FAMILY

Achlys triphylla • Vanilla leaf
Mahonia aquifolium • Oregon-grape
Mahonia nervosa • Oregon-grape
Vancouveria planipetala • Inside-out flower

BETULACEAE • BIRCH FAMILY

Corylus cornuta var. californica • California hazel nut

BORAGINACEAE • BORAGE FAMILY

Cryptantha torreyana • Torrey's cat's-eye

CAMPANULACEAE • BELLFLOWER FAMILY

Asyneuma prenanthoides • California harebell
Campanula scouleri • Scouler's harebell

CAPRIFOLIACEAE • HONEYSUCKLE FAMILY

Hemizonella minima • Opposite-leaved tarweed
Hieracium albiflorum • White-flowered hawkweed
Hieracium bolanderi • Bolander's hawkweed
Madia elegans • Common madia
Madia gracilis • Gumweed, slender tarweed
Microseris laciniata ssp. leptosepala • Slender silverpuffs
Microseris nutans • Silverpuffs
Symphyotrichum spathulatum • Western mountain-aster
Wyethia angustifolia • Narrow-leaved mule's-ear
Wyethia longicaulis • Humboldt County mule's-ear

CONVOLVULACEAE • MORNING GLORY FAMILY

Calystegia occidentalis ssp. occidentalis • Morning glory

CORNACEAE • DOGWOOD FAMILY

Cornus nuttallii • Nuttall's dogwood

CRASSULACEAE • STONECROP FAMILY

Symphoricarpos mollis • Creeping snowberry

CARYOPHYLLACEAE • PINK FAMILY

Arenaria macrophylla • Big-leaved sandwort
Minuartia nuttallii ssp. gregaria • Nuttall's sandwort
Moehringia macrophylla • Large-leaved sandwort
Pseudostellaria jamesiana • Sticky sandwort
Silene californica • California Indian pink
Silene campanulata ssp. glandulosa • Mountain catchfly
Silene laciniata ssp. californica • California Indian pink
Stellaria nitens • Shiny chickweed

COLCHICACEAE • AUTUMN CROCUS FAMILY

Prosartes hookeri • Fairy bells

COMPOSITAE • SUNFLOWER FAMILY

Achillea millefolium • Yarrow
Agoseris heterophylla var. heterophylla • Annual agoseris
Antennaria luzuloides • Woodrush pussytoes
Antennaria suffrutescens • Evergreen pussytoes
Arnica cernua • Nodding arnica
Arnica discoidea • Rayless arnica
Brickellia greenei • Greene's tassel flower
Chaenactis douglasii var. douglasii • Hoary chaenactis
Cirsium arvense • Canada thistle
Cirsium cymosum var. cymosum • Peregrine thistle
Cirsium douglasii var. breweri • Brewer's thistle
Cirsium douglasii var. douglasii • Douglas' thistle
Cirsium occidentale var. venustum • Cobwebby thistle
Crepis acuminata • Long-leaved hawk's-beard
Crepis pleurocarpa • Naked-stemmed hawk's-beard
Ericameria nauseosa var. speciosa • Rubber rabbit brush
Eriophyllum lanatum var. lanceolatum • Woolly-sunflower
Sedum laxum ssp. flavidum • Pale-yellow stonecrop
Sedum laxum ssp. heckneri • Heckner's stonecrop
Sedum laxum ssp. laxum • Rose-colored stonecrop
Sedum obtusatum • Sierran stonecrop
Sedum radiatum ssp. radiatum • Star-fruited stonecrop
Sedum spathulifolium • Broad-leaved stonecrop

CRUCIFERAE • MUSTARD FAMILY

Cardamine californica var. californica • California toothwort
Cardamine nuttallii • Nuttall's toothwort
Erysimum capitatum • Douglas' or western wallflower
Noccaea fendleri var. glaucum • Alpine pennycress
Streptanthus tortuosus • Mountain jewelflower

CYPERACEAE • SEDGE FAMILY

Carex athrostachya • Slender-beaked sedge
Carex concinnoides • Northwestern sedge
Carex echinata • Star sedge

Carex geyeri • Elk sedge
Carex mendocinensis • Mendocino sedge
Carex multicosata • Many-ribbed sedge
Carex ovalis • Egg-bracted sedge
Carex serratodens • Two-toothed sedge
Carex subfusca • Rusty sedge
Eriophorum crinigerum • Fringed cotton-grass

ERICACEAE • HEATH FAMILY

Allotropa virgata • Sugar stick
Arbutus menziesii • Madrone
Arctostaphylos canescens ssp. sonomensis • Hoary manzanita
Arctostaphylos canescens ssp. glandulosa • Eastwood's manzanita
Arctostaphylos nevadensis var. nevadensis • Pinemat manzanita
Arctostaphylos patula • Green-leaved manzanita
Chimaphila umbellata var. occidentalis • Western prince's-pine
Gaultheria ovatifolia • Oregon spicy wintergreen
Gaultheria shallon • Salal
Pityopus californica • California pinefoot
Pterospora andromedea • Pinedrops
Pyrola picta • White-veined wintergreen
Rhododendron occidentale • Western azalea
Vaccinium parvifolium • Red huckleberry
Dactylis glomerata • Orchard grass
Danthonia unispicata • One-spike oat grass
Deschampsia elongata • Slender hair grass
Elymus glaucus • Blue wild-rye
Elymus x hansenii • Hansen's squirreltail
Elymus lanceolatus ssp. lanceolatus • Thick-spiked wild-rye
Elymus multisetus • Squirreltail
Festuca californica ssp. californica • California fescue
Festuca idahoensis • Idaho fescue
Festuca rubra • Red fescue
Melica geyeri • Geyer's onion grass
Melica harfordii • Harford's melic
Phleum alpinum • Alpine timothy
Phleum pratense • Timothy
Poa pringlei • Pringle's blue grass
Stipa lemmonii • Lemmon's needle grass

GROSSULARIACEAE • GOOSEBERRY FAMILY

Ribes lobbii • Gummy gooseberry
Ribes sanguineum var. sanguineum • Red-flowered currant
Ribes velutinum • Plateau gooseberry

GUTTIFERAE • ST. JOHN'S WORT FAMILY

Hypericum scouleri ssp. scouleri • Scouler's Klamath weed

HYDRANGEACEAE • HYDRANGEA FAMILY

Philadelphus lewisii • Mock orange
Whipplea modesta • Yerba de selva, modesty

FAGACEAE • OAK OR BEECH FAMILY

Chrysolepis chrysophylla • Chinquapin
Notholithocarpus densiflorus var. densiflorus • Tanoak
Quercus chrysolepis var. chrysolepis • Canyon live oak
Quercus chrysolepis var. nana • Dwarf canyon live oak
Quercus garryana var. garryana • Oregon white oak
Quercus vaccinifolia • Huckleberry oak

GARRYACEAE • SILK-TASSEL FAMILY

Garrya buxifolia • Dwarf silk-tassel
Garrya elliptica • Coast silk-tassel
Garrya fremontii • Fremont's silk-tassel

GENTIANACEAE • GENTIAN FAMILY

Gentiana calycosa • Explorer's gentian

GRAMINEAE • GRASS FAMILY

Agrostis oregonensis • Oregon redtop
Bromus carinatus • California brome
Bromus tectorum • Downy brome, cheat grass
Calamagrostis koelerioides • Tufted pine grass
Calamagrostis ophitidis • Serpentine reed grass

HYDROPHYLLACEAE • WATERLEAF FAMILY

Hydrophyllum occidentale • California waterleaf
Nemophila menziesii • Baby blue-eyes
Phacelia corymbosa • Serpentine phacelia
Phacelia mutabilis • Changeable phacelia

IRIDACEAE • IRIS FAMILY

Iris macrosiphon • Slender-tubed iris
Iris purdyi • Purdy's iris
Iris tenuissima ssp. tenuissima • Long-tubed iris
Sisyrinchium bellum • California blue-eyed-grass

JUNCACEAE • RUSH FAMILY

Juncus ensifolius • Dagger-leaved rush
Luzula comosa var. comosa • Wood rush

LABIATAE • MINT FAMILY

Monardella glauca • Mountain mine
Monardella odoratissima • Coyote mint
Scutellaria antirrhinoides • Snapdragon skullcap
Stachys ajugoides var. rigida • Bugle hedge-nettle

LEGUMINOSAE • LEGUME FAMILY

Lotus crassifolius • Broad-leaved trefoil
Lotus humistratus • Foothill trefoil
Lotus oblongifolius • Narrow-leaved trefoil
Lupinus adsurgens • Drew's silky lupine

Lupinus albicaulis • Pine lupine
Lupinus latifolius var. latifolius • Broad-leaved lupine
Trifolium longipes ssp. hansenii • Hansen's clover
Trifolium longipes ssp. shastense • Shasta clover

LILIACEAE • LILY FAMILY

Calochortus tolmiei • Tolmie's pussy-ears
Erythronium citrinum • Cream fawn-lily
Erythronium californicum • California fawn lily
Erythronium grandiflorum var. grandiflorum • Glacier lily •
Fritillaria affinis • Mission bells, checker lily
Fritillaria purdyi • Purdy's fritillary
Lilium pardalinum ssp. pardalinum • Leopard or tiger lily
Zigadenus micranthus • Small-flowered death-camas

MONTIACEAE • MINER'S-LETTUCE FAMILY

Claytonia lanceolata • Western spring beauty
Claytonia perfoliata • Miner's-lettuce
Claytonia saxosa • Brandegee's spring beauty

ONAGRACEAE • EVENING-PRIMROSE FAMILY

Epilobium ciliatum ssp. ciliatum • Fringed willow herb •
Epilobium ciliatum ssp. glandulosum • Fringed willow herb
Epilobium minutum • Minute willow herb
Gayophytum diffusum ssp. parviflorum • Spreading ground smoke
Gayophytum humile • Dwarf ground smoke

ORCHIDACEAE • ORCHID FAMILY

Cypripedium californicum • California lady's-slipper
Listera convallarioides • Broad-lipped twayblade
Piperia elegans • Elegant piperia
Piperia unalascensis • Alaska piperia
Platanthera sparsiflora • Rein orchid

POLEMONIACEAE • PHLOX FAMILY

Collomia grandiflora • Large-flowered collomia •
Collomia tracyi • Tracy's collomia
Leptosiphon parviflorus • Variable-linanthus
Linanthus pungens • Granite prickly-phlox
Microsteris gracilis • Slender false phlox
Navarretia divaricata • Mountain pincushion plant
Navarretia sinistra ssp. sinistra • Alva Day's pincushion plant
Phlox diffusa • Spreading phlox
Phlox rigida • Stiff phlox

POLYGALACEAE • MILKWORT FAMILY

Polygala cornuta var. cornuta • Sierra milkwort

POLYGONACEAE • KNOTWEED FAMILY

Eriogonum nudum • Naked buckwheat
Eriogonum umbellatum var. goodmanii • Sulphur-flowered buckwheat

Lilium pardalinum ssp. vollmeri • Vollmer's lily
Lilium washingtonianum ssp. purpurascens • Cascade lily

LIMNANTHACEAE • MEADOW-FOAM FAMILY

Limnanthes douglasii • Douglas' meadow-foam

MALVACEAE • MALLOW FAMILY

Sidalcea malachroides • Maple-leaved sidalcea
Sidalcea malvaeflora ssp. asprella • Dwarf checker-mallow

MELANTHIACEAE • WAKE ROBIN FAMILY

Trillium ovatum • Pacific trillium
Xerophyllum tenax • Bear-grass
Eriogonum umbellatum var. nelsoniorum • Nelsons' buckwheat
Polygnum spergulariiforme • Fall knot weed

PRIMULACEAE • PRIMROSE FAMILY

Dodecatheon hendersonii • Henderson's shooting star
Trientalis latifolia • Broad-leaved star flower

RANUNCULACEAE • BUTTERCUP FAMILY

Anemone quinquefolia var. minor • Five-leaved anemone
Anemone oregana var. oregana • Oregon windflower
Aquilegia formosa • Crimson columbine
Delphinium decorum ssp. tracyi • Tracy's larkspur
Delphinium troliifolium • Poison larkspur
Ranunculus californicus var. californicus • California buttercup
Ranunculus occidentalis • Western buttercup

RHAMNACEAE • BUCKTHORN FAMILY

Ceanothus cuneatus var. cuneatus • Buck brush
Ceanothus integerrimus • Deer brush
Ceanothus pumilus • Siskiyou ceanothus
Ceanothus velutinus • Tobacco brush, snow bush
Frangula californica ssp. californica • California coffee bush
Frangula californica ssp. occidentalis • California coffee bush

ROSACEAE • ROSE FAMILY

Amelanchier alnifolia var. semiintegrifolia • Western service berry
Amelanchier utahensis • Utah service berry
Fragaria vesca • Wood strawberry
Holodiscus discolor • Ocean spray, cream bush
Prunus emarginata var. emarginata • Bitter cherry
Rosa gymnocarpa var. serpentina • Wood rose
Rosa pisocarpa ssp. pisocarpa • Cluster rose
Rosa spithamea var. spithamea • Ground rose
Rubus parviflorus var. velutinus • Western thimble berry
Spiraea douglasii • Rosy spirea

RUBIACEAE • MADDER FAMILY

Galium bolanderi • Bolander's bedstraw

Galium muricatum • Humboldt bedstraw

SAXIFRAGACEAE • SAXIFRAGE FAMILY

SCROPHULARIACEAE • SNAPDRAGON FAMILY

Antirrhinum breweri • Brewer's snapdragon
Boschniakia strobilacea • California ground cone
Castilleja pruinosa • Frosted Indian paintbrush
Collinsia grandiflora • Large-flowered blue-eyed Mary
Collinsia linearis • Chinese houses
Collinsia parviflora • Small-flowered blue-eyed Mary
Collinsia rattanii • Rattan's blue-eyed Mary
Collinsia sparsiflora var. *bruceae* • Spinster's blue-eyed Mary
Mimulus cardinalis • Scarlet monkey flower
Mimulus pulsiferae • Candelabrum monkey flower
Orobanche fasciculata • Clustered broomrape
Penstemon laetus ssp. *sagittatus* • Mountain blue penstemon

TOFIELDIACEAE • FALSE ASPHODEL FAMILY

Triantha occidentalis ssp. *occidentalis* • Sticky false asphodel

UMBELLIFERAE (APIACEAE) • UMBEL FAMILY

Angelica genuflexa • Kneeling angelica
Angelica tomentosa • California or wood angelica
Lomatium dasycarpum ssp. *dasycarpum* • Woolly-fruited lace-parsnip
Lomatium tracyi • Tracy's lomatium
Lomatium utriculatum • Common lomatium or spring gold
Osmorhiza occidentalis • Western sweet-cicely
Sanicula bipinnatifida • Purple sanicle
Sanicula graveolens • Sierra sanicle
Sanicula tuberosa • Tuberous sanicle
Yabea microcarpa • False hedge-parsley

VALERIANACEAE • VALERIAN FAMILY

Valeriana californica • California valerian

VIOLACEAE • VIOLET FAMILY

Viola adunca var. *adunca* • Western dog violet
Viola cuneata • Wedge-leaved violet
Viola glabella • Smooth yellow violet
Viola hallii • Hall's violet
Viola praemorsa ssp. *praemorsa* • Upland yellow violet

VISCACEAE • MISTLETOE FAMILY

Arceuthobium campylopodum • Western dwarf mistletoe



SOURCES

This checklist was compiled initially from collections made by D. E. Anderson, B.

Heuchera micrantha • Small-flowered alum root
Lithophragma parviflorum • Prairie woodland star

Klipfel, T. Nelson, V. Rumble, J. O. Sawyer, J. P. Smith, and the field observations made by the California Native Plant Society's North Coast Chapter vegetation sampling project.

Humboldt State University Herbarium

Consortium of California Herbaria

Scott, C. W. 2010. Floristic affinities of Horse Mountain, Grouse Mountain, Board Camp Mountain and surrounding areas, Humboldt County, California. M. A. thesis. Humboldt State Univ. Arcata, CA. 125 pp.