

ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM

Plant Abstract

Element Code: PDSAX0E0B0

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Heuchera eastwoodiae*

COMMON NAME: Eastwood alum root, Senator Mine alumroot, Senator Mine Alum-root

SYNONYMS:

FAMILY: Saxifragaceae

AUTHOR, PLACE OF PUBLICATION: Rosendahl, Butters & Lakela, *Minnesota Studies in Plant Science* 2: 152. 1936.

TYPE LOCALITY: "Senator Mine, Prescott Region", Bradshaw Mountains, Yavapai County, Arizona.

TYPE SPECIMEN: Eastwood 17659, Minn. s.n.

TAXONOMIC UNIQUENESS: The species *eastwoodiae* is 1 of 36 in the genus *Heuchera*, and 1 of 7 in Arizona.

DESCRIPTION: Perennial herb with a flower stalk up to 20 inches (51 cm) tall. Leaves, which are basal on long leaf stalks, are dark green, roundish, and scalloped, with fine hair; to 3.5 in (9 cm) wide. Yellowish green flowers are in loose, terminal racemes on weak, leafless stalks. The flowers do not have petals, and the 6 sepals are short and pointed, with yellow stamens.

AIDS TO IDENTIFICATION:

ILLUSTRATIONS: Color photos (L.E. Epple in A.O. Epple, 1995: plates 492A and B).
Color photo (ASU-84960, <http://seinet.asu.edu/collections/TaxaDetails.jsp?>)

TOTAL RANGE: Endemic to central Arizona. Coconino County: Mogollon Rim near Telephone Ride, Oak Creek Canyon, and West Fork of Oak Creek Canyon. Gila County: Christopher Creek, Mogollon Rim south of Woods Canyon Lake, and Sierra Ancha. Maricopa County: New River Mountains. Yavapai County: Bradshaw and Mazatzal Mountains, Mingus Mountain, and Lime Creek.

RANGE WITHIN ARIZONA: See "Total Range."

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Perennial forb/herb.

PHENOLOGY: Flowers May – August.

BIOLOGY:

HABITAT: Found on moist shaded slopes in ponderosa pine forests and canyons.

ELEVATION: 3,480 – 7,874 feet (1061-2400 meters).

EXPOSURE: In New River Mountains, found on north-facing rocky slopes.

SUBSTRATE: Rocky clay. Collected from crevices of basalt boulders, and deep basaltic soils.

PLANT COMMUNITY: Ponderosa pine forests. Associated species include *Abies concolor* (white fir), *Acer grandidentatum* (big-toothed maple), *Achillea millefolium* (common yarrow), *Agave toumeyana* var. *bella*, *Berberis* (=Mahonia) *repens* (creeping Oregon-grape), *Cercocarpus* (mountain-mahogany), *Echinocereus triglochidiatus* (mound hedgehog-cactus), *Erigeron oreophilus* (Chaparral fleabane), *Fendlera rupicola* (cliff Fendler-bush), *Goodyera oblongifolia* (giant rattlesnake-plantain), *Juniperus deppeana* (Alligator juniper), *Nolina microcarpa* (Sacahuist bear-grass), *Pinus ponderosa* (Ponderosa pine), *Ptelea trifoliata* (western hoptree), *Quercus gambellii* (Gambel oak), *Q. turbinella* (shrub live oak), *Robinia neomexicana* (New Mexico locust), and *Valeriana* (valerian).

POPULATION HISTORY AND TRENDS: Locally common.

SPECIES PROTECTION AND CONSERVATION

ENDANGERED SPECIES ACT STATUS: None

STATE STATUS: None

OTHER STATUS: Forest Service Sensitive (USDA, FS Region 3, 1999)

MANAGEMENT FACTORS:

PROTECTIVE MEASURES TAKEN:

SUGGESTED PROJECTS:

LAND MANAGEMENT/OWNERSHIP: USFS - Apache-Sitgreaves, Coconino, Prescott and Tonto National Forests; Private.

SOURCES OF FURTHER INFORMATION

REFERENCES:

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MAJOR KNOWLEDGEABLE INDIVIDUALS:

ADDITIONAL INFORMATION:

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