

# Heritage Ranking Form - State Rank

**Scientific Name:** Eucephalus vialis

**Common Name:** Wayside aster

**Classification:** Vascular Plant

**Range Extent:** E = 5,000-20,000 sq km (~2,000-8,000 sq mi)

Comments: 5382 sq mi, convex hull based on ORBIC occurrences. Range is from southern Linn County southward to California.

**Area of Occupancy:** F = 126-500 4-km<sup>2</sup> grid cells

Comments: 194 grid cells

**Number of Occurrences:** D = 81 - 300

Comments: 123 occurrences; 1 km separation distance

**Population Size:** F = 10,000 - 100,000 individuals

Comments: About 43000 plants

**Good Viability:** C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 9-12 occurrences with good to excellent viability, 9 with 500+ plants, 3 more with 400-500 plants

**Environmental Specificity:** Not Evaluated

Comments: None

**Short Term Trends:** FG = Decline of <30% to relatively stable

Comments: None

**Long Term Trends:** FG = Decline of <30% to relatively stable

Comments: None

**Threat Impact:** Not Evaluated

Comments: None

**Intrinsic Vulnerability:** B = Moderately vulnerable

Comments: Species apparently with low seed set, low recruitment rate. There is also a strong correlation between light canopy cover and plant health, those plants under dense canopy cover not reproducing (Thorpe et al. 2009). Many sites not reproducing at all (Kaye pers. comm. 2010).

**Heritage Rank:** S3

Comments: Although range extent, number of occurrences and plants, number of occurrences with good viability are fairly large, there are concerns in regard to its low seed set and low recruitment rate.

Rank Notes: None

Reference: Thorpe, A.S., R.T. Massatti and T.N. Kaye. 2009. Experimental habitat manipulation of wayside aster (*Eucephalus vialis*). Cooperative Challenge Cost Share, BLM Eugene District, National Fish and Wildlife Foundation, and Institute for Applied Ecology. 38 pp. | Kaye, Tom. 2010. Botanist, Institute for Applied Ecology, Corvallis, OR.

Rank Date: 7/9/2010

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