

Grindelia fraxinoprattensis Reveal & Beatley (1971)**ASH MEADOWS GUMPLANT**

FAMILY: *Asteraceae*, the sunflower family.

STATUS: **Heritage Program SENSITIVE LIST, ranks: G2 S2**

USFWS/ESA: LISTED THREATENED. **STATE OF NEVADA:** FULLY PROTECTED. **BLM:** Special Status
Species in Nevada. **USFS:** none. **NNNPS:** THREATENED.

POPULATION CENSUS (NEVADA): **14 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 16 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 13,000+**, total estimated **area 6.1+ ha (15.1+ ac)**.
TREND: unknown.

IMPACTS AND MAJOR THREATS (NEVADA): No summary available (see references).

INVENTORY EFFORT (NEVADA): Surveys substantially complete. Most recent entered survey 1986, average year of last survey 1982. **Years since last entered survey** (percent of mapped records at various survey ages): **11-20 yrs:** 93.8%; **21-30 yrs:** 6.3%.

LAND MANAGEMENT (NEVADA) in decreasing predominance: U. S. Fish and Wildlife Service, private lands, U. S. Bureau of Land Management.

RANGE: Nye County, Nevada; also in CA. Endemic to the Ash Meadows area. Maximum Nevada **range dimension 10.4 km (6.5 mi)** excluding most disjunct record. **Type specimen** collected in Nye County.

ELEVATIONS RECORDED (NEVADA): 2070-2320 feet (631-707 meters).

HABITAT (NEVADA): Open, flat, whitish, strongly alkaline, moist and hard to sometimes dry and powdery clay soils in or bordering meadows and shallow drainages near springs and seeps, sometimes in disturbed areas and somewhat weedy, in the creosote-bursage and shadscale zones in ash-mesquite woodlands, shadscale scrub, or saltgrass meadows with *Prosopis*, *Fraxinus*, *Atriplex confertifolia*, *Centaurium namophilum*, *Distichlis spicata*, *Sporobolus airoides*, *Baccharis emoryi*, *Iva acerosa*, *Tamarix ramosissima*, *Cirsium mohavense*, *Suaeda*, etc. Aquatic or wetland-dependent in Nevada.

PHENOLOGY: flowering summer. Range of most frequent **survey months:** July-August.

LIFE-FORM AND HABIT: biennial or short-lived perennial herb.

DESCRIPTION: not available (see references).

PHOTOGRAPHS: Nevada Natural Heritage Program images web page (1998-present), slide collection (1986-present), and files.

ILLUSTRATIONS: Mazingo and Williams (1980).

OTHER GENERAL REFERENCES (listed separately): Beatley (1976), Hickman (1993), U. S. Fish and Wildlife Service (1985).

SPECIFIC REFERENCES:

Cochrane, S. A. 1981. Status report *Grindelia fraxinoprattensis*. Carson City: Nevada Natural Heritage Program, manuscript in files.

Reveal, J. L. and J. C. Beatley. 1971. A new *Penstemon* (*Scrophulariaceae*) and *Grindelia* (*Asteraceae*) from southern Nye County, Nevada. *Bulletin of the Torrey Botanical Club* 98: 332-335.
