

Heritage Ranking Form - State Rank

Scientific Name: Sisyrinchium sarmentosum

Common Name: Pale blue-eyed grass

Classification: Vascular Plant

Range Extent: C = 250-1,000 sq km (~100-400 sq mi)

Range is 538 km² calculated using convex hull of all occurrences.

Population Size: E = 2,500 - 10,000 individuals

Comments: Estimated 4925 individuals.

Number of Occurrences: A = 1 - 5

Comments: 5 extant EOs (1km separation distance).

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: 7 4km² grid cells occupied.

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

Comments: 4 EOs with good to excellent viability.

Environmental Specificity: Not Evaluated

Comments: None

Short Term Trends: F = Decline of 10 - 30%

Comments: Of the six populations with revisit data, three had no plants present, two had remained stable, and one had increased.

Long Term Trends: E = Decline of 30 - 50%

Comments: Extant populations are delining over time.

Threat Impact: AB = Very High - High

Comments: Cattle grazing and hiker trampling have ocured at two sites for many years and plant populations have been sustained, though an increase in magnitude could change this trend. Other threats include: hybridization with *Sisyrinchium idahoense*; loss of habitat due to succession, hydrology changes, disturbance from logging activities; loss of seed production from grazing cattle; trampling by hikers.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: S1

Comments: Only two populations with over 1000 plants, large enough to be self-sustaining, but these populations appear stable. Smaller populations will likely continue to decline. Current forest management (fire suppression, recreation, grazing, logging and road building activities) could threaten populations.

Rank Notes: Calculator Rank (unrevised)=S1?. Trends and threats are significant enough to warrant an S1 rank.

Reference: None

Rank Date: 8/23/2012

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