### Heritage Ranking Form - State Rank

<table>
<thead>
<tr>
<th><strong>Scientific Name:</strong></th>
<th>Astragalus lemmonii</th>
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</thead>
<tbody>
<tr>
<td><strong>Common Name:</strong></td>
<td>Lemmon's milk-vetch</td>
</tr>
<tr>
<td><strong>Classification:</strong></td>
<td>Vascular Plant</td>
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<tr>
<td><strong>Range Extent:</strong></td>
<td>A = &lt;100 sq km (&lt; ~40 sq mi)</td>
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</tbody>
</table>

Extant sites are located in about 14 sq. km. in Lake County. 95% of plants are within 1/2 sq. km.

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

Comments: About 42,000 genets counted in 2011. 95% of these plants are in 2 patches within a mile of each other.

| **Number of Occurrences:** | A = 1 - 5 |

Comments: Four extant EOs in Lake County.

| **Area of Occupancy:** | C = 3-5 4-km2 grid cells |

Comments: Extant EOs found in 5 4km2 grid cells.

| **Good Viability:** | B = Very few (1-3) occurrences with excellent or good viability or ecological integrity |

Comments: 1 occurrence with nearly 1000 plants, another with 40,000. On national forest land but not specifically protected.

| **Environmental Specificity:** | B = Narrow. Specialist or community with key requirements common |

Comments: Seasonal wetlands. Moist, but often summer-dry, meadows and rushy flats along stream and lake shores, 4200-5200 ft. (Barneby 1964).

| **Short Term Trends:** | U = Unknown |
Comments: Extant populations were not discovered until 2009; trends at those sites unknown.

**Long Term Trends:**

\[ E = \text{Decline of } 30 - 50\% \]

Comments: Historically also known from Deschutes County.

**Threat Impact:**

\[ AB = \text{Very High - High} \]

Comments: This species grows in seasonal wetlands in the drier eastern part of the state. Potential threat of grazing or trampling from animals seeking water. Non-native plants, off-road vehicles, and road or trail maintenance could also be threats. Calculated as highly vulnerable to climate change.

**Intrinsic Vulnerability:**

\[ U = \text{Unknown} \]

Comments: None

**Heritage Rank:**

\[ S1 \]

Comments: Previously only known from historical sites until a large population was found on the Fremont-Winema NF in 2009. Although there are many thousands of plants here, the other few sites have a small number of plants and all extant sites are within about 14 sq. km. Climate change presents a significant threat if the seasonal wetlands this plant is associated with dry up. Other disturbances such as weeds, trampling, and OHVs could also be threats.

Rank Notes: None


Rank Date: 4/29/2013
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