

EDRR species distribution

Current and probable future distribution of
EDRR species



Nevada
Department
of Agriculture



African Rue

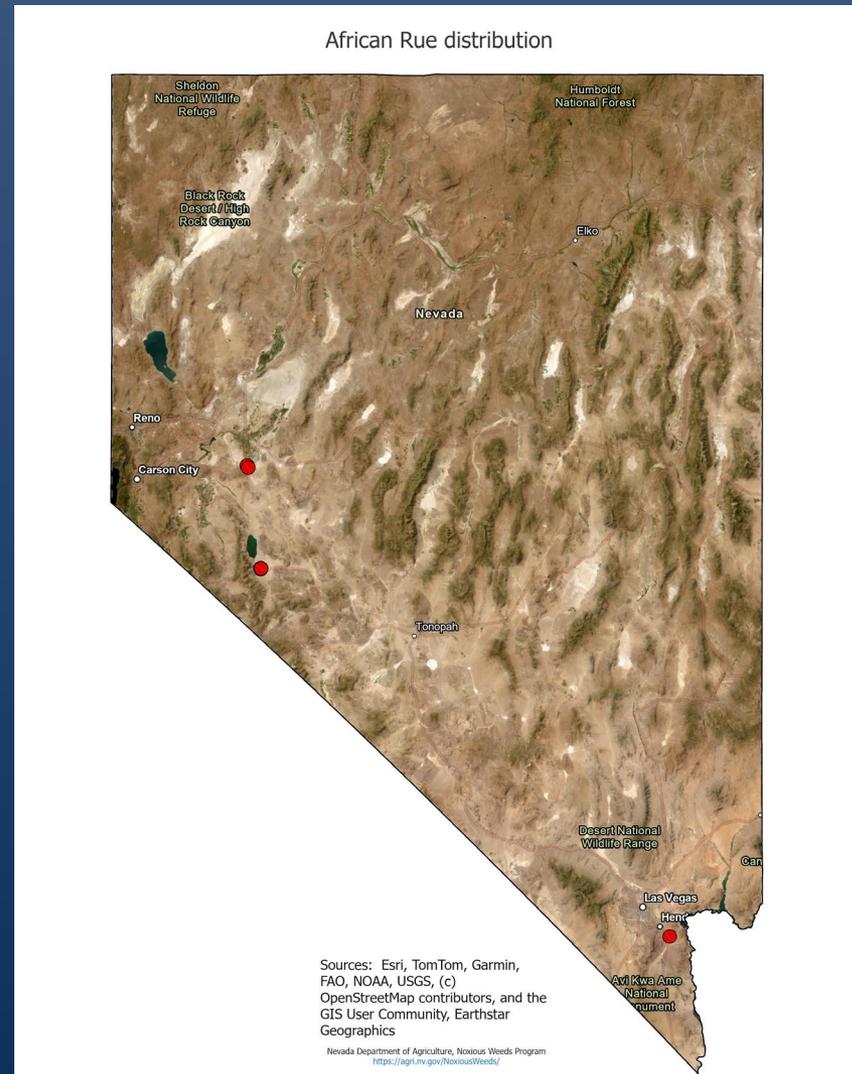
Peganum harmala L.



African Rue

Current Distribution

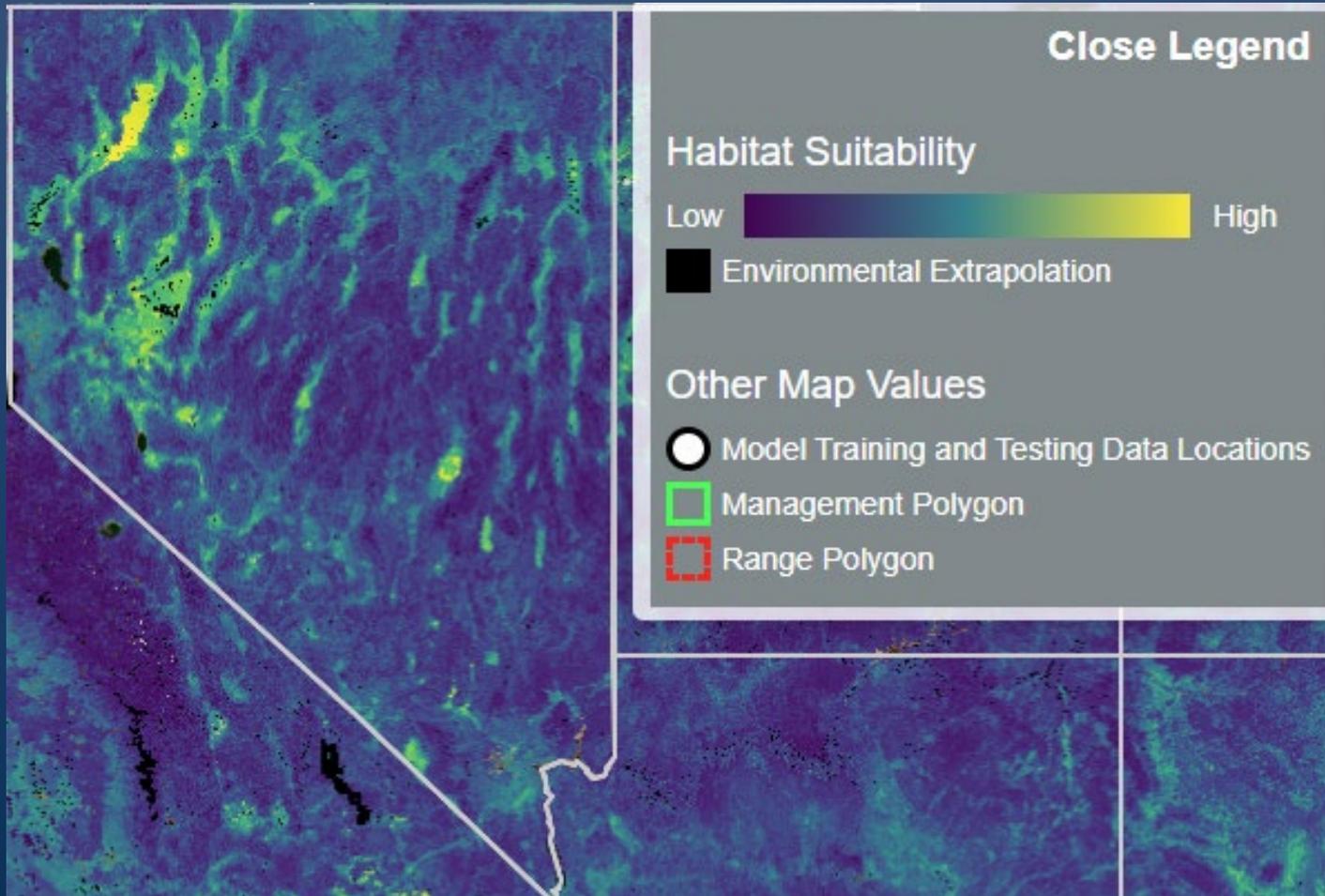
- Current distribution based on reported occurrences
- 116 positive reports in Nevada
- NDA has been pursuing eradication for all 3 known locations.



African Rue

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Austrian Fieldcress

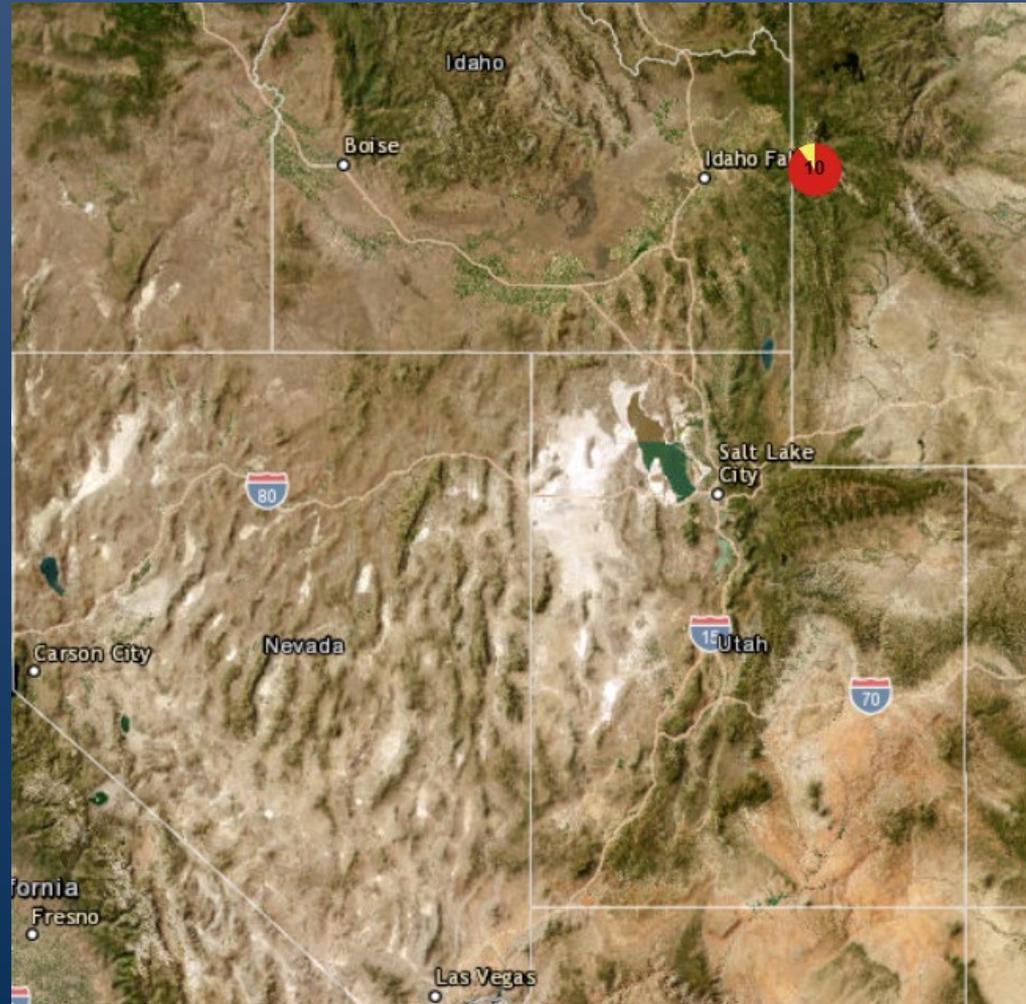
Rorippa austriaca



Austrian Fieldcress

Current Distribution

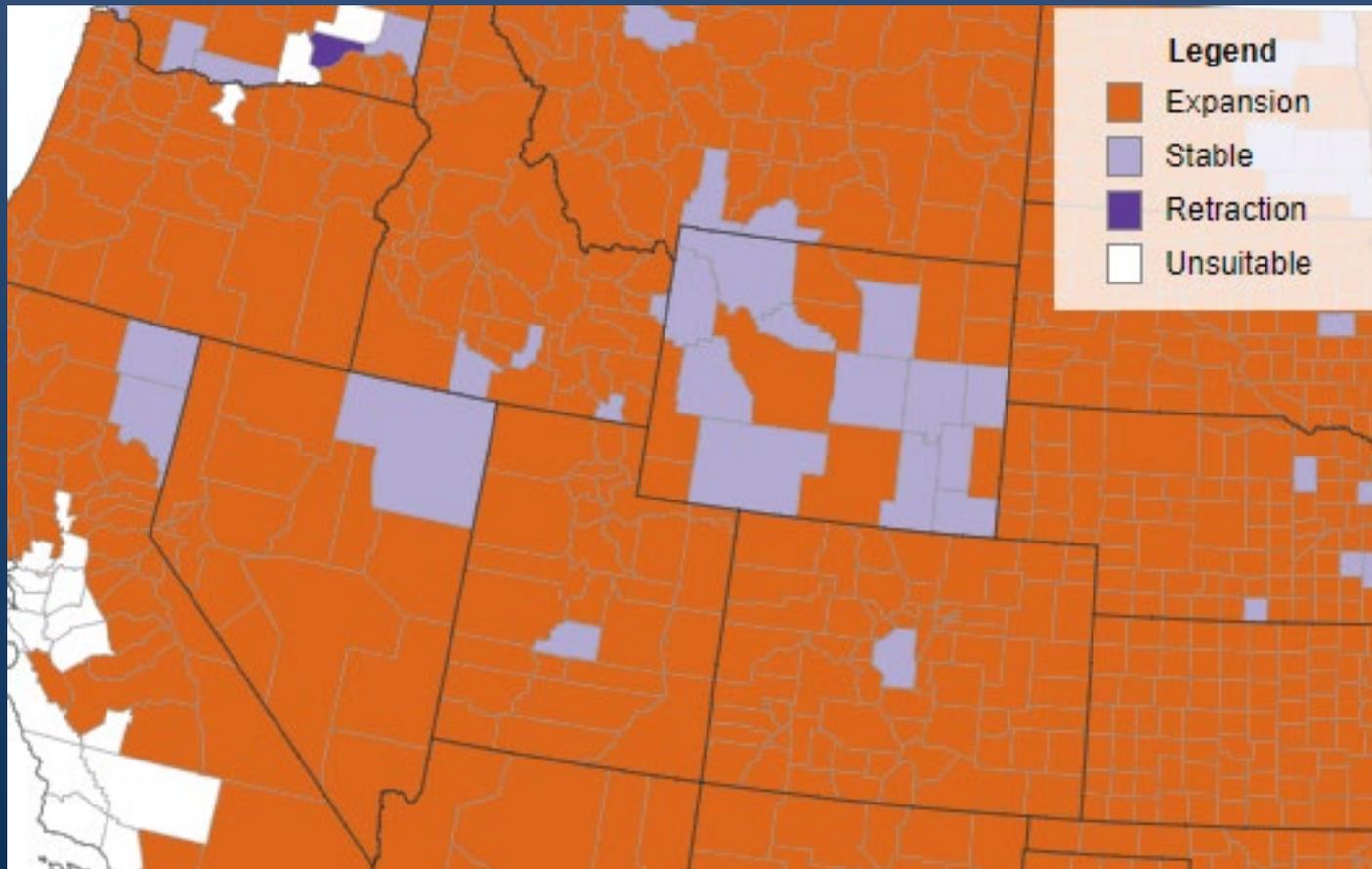
- Current distribution based on reported occurrences
- None have been able to be observed in Nevada by NDA
- 2017 herbarium records have it present near Wild Horse Reservoir in Elko county



Austrian Fieldcress

Future Distribution

- Possible future distribution by county based on habitat suitability and assumption of no control measures. INHABIT data currently unavailable.



Austrian Peaweed

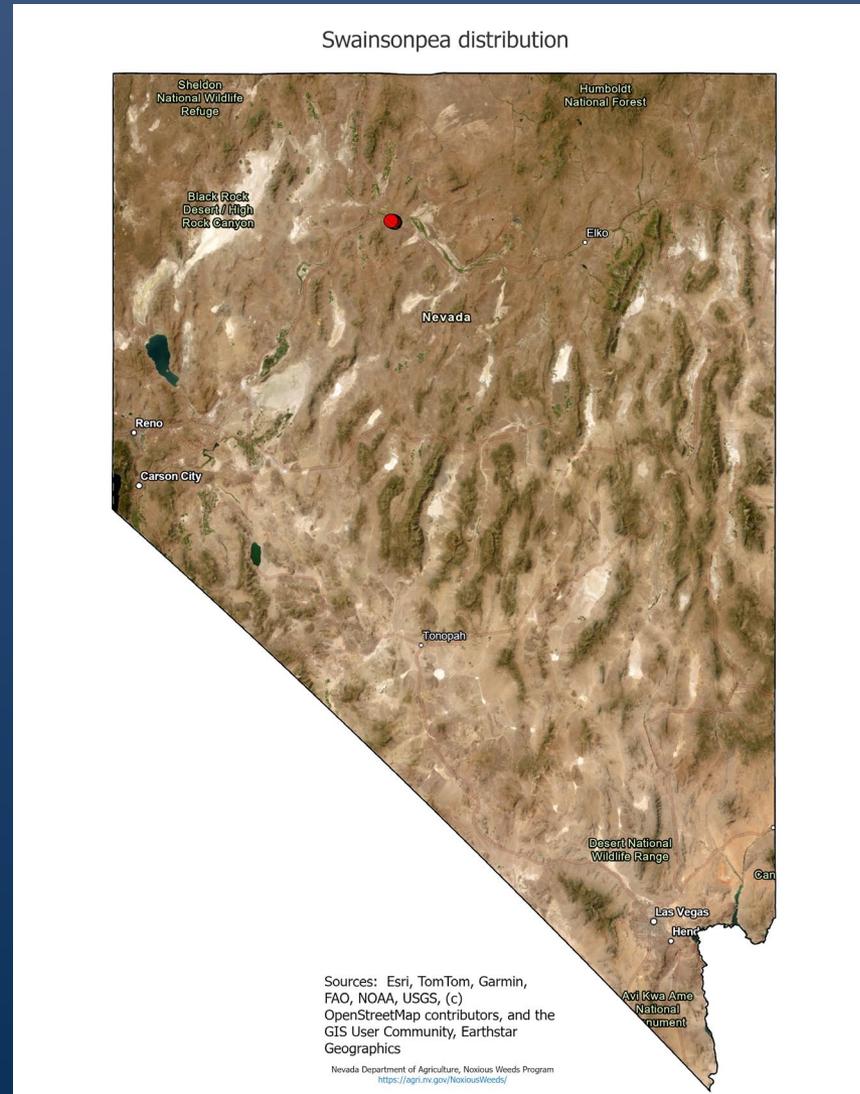
Sphaerophysa salsula



Swainsonpea

Current Distribution

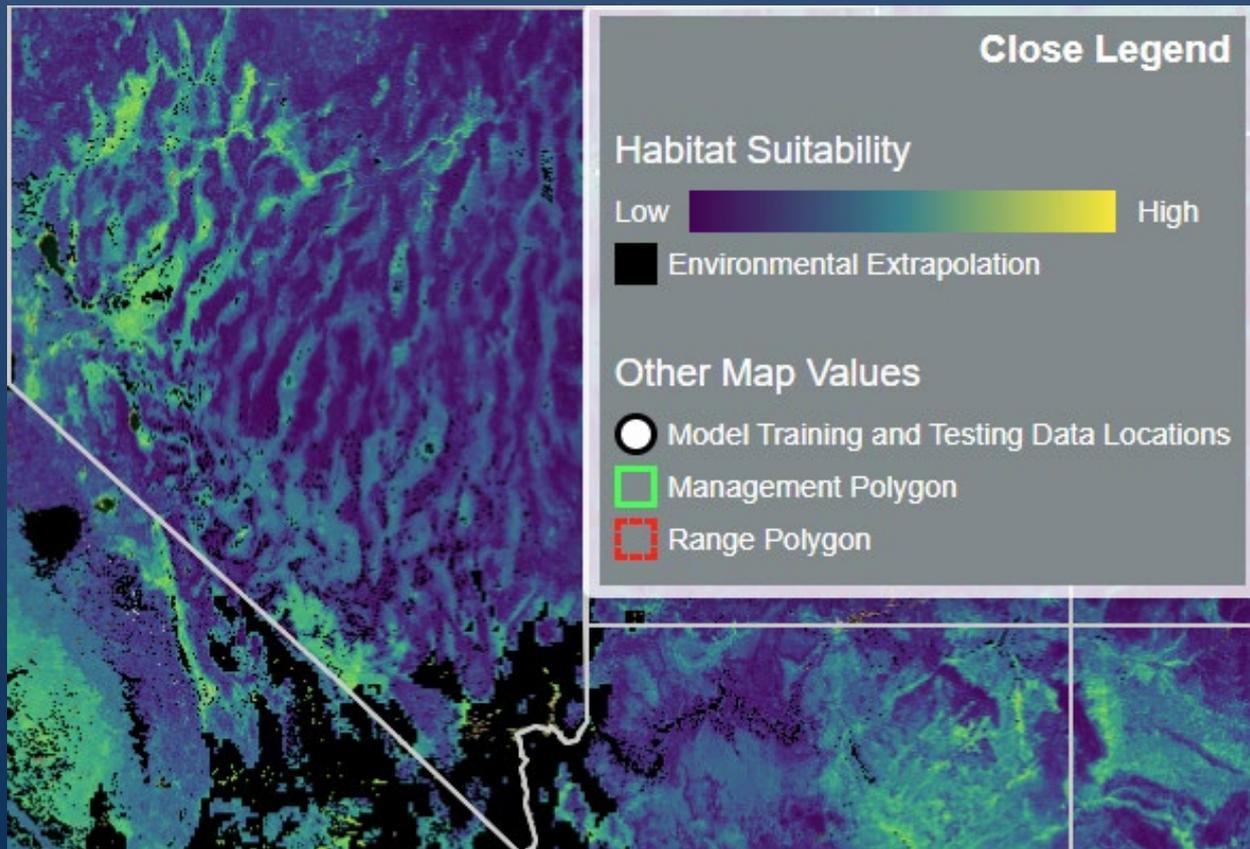
- Current distribution based on reported occurrences
- 124 positive reports in Nevada
- NDA has been pursuing eradication for the population in Golconda and is planning further surveys of the area.
- Herbarium records have it present in Washoe county



Swainsonpea

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Barbed Goatgrass

Aegilops triuncialis



Barbed Goatgrass

Current Distribution

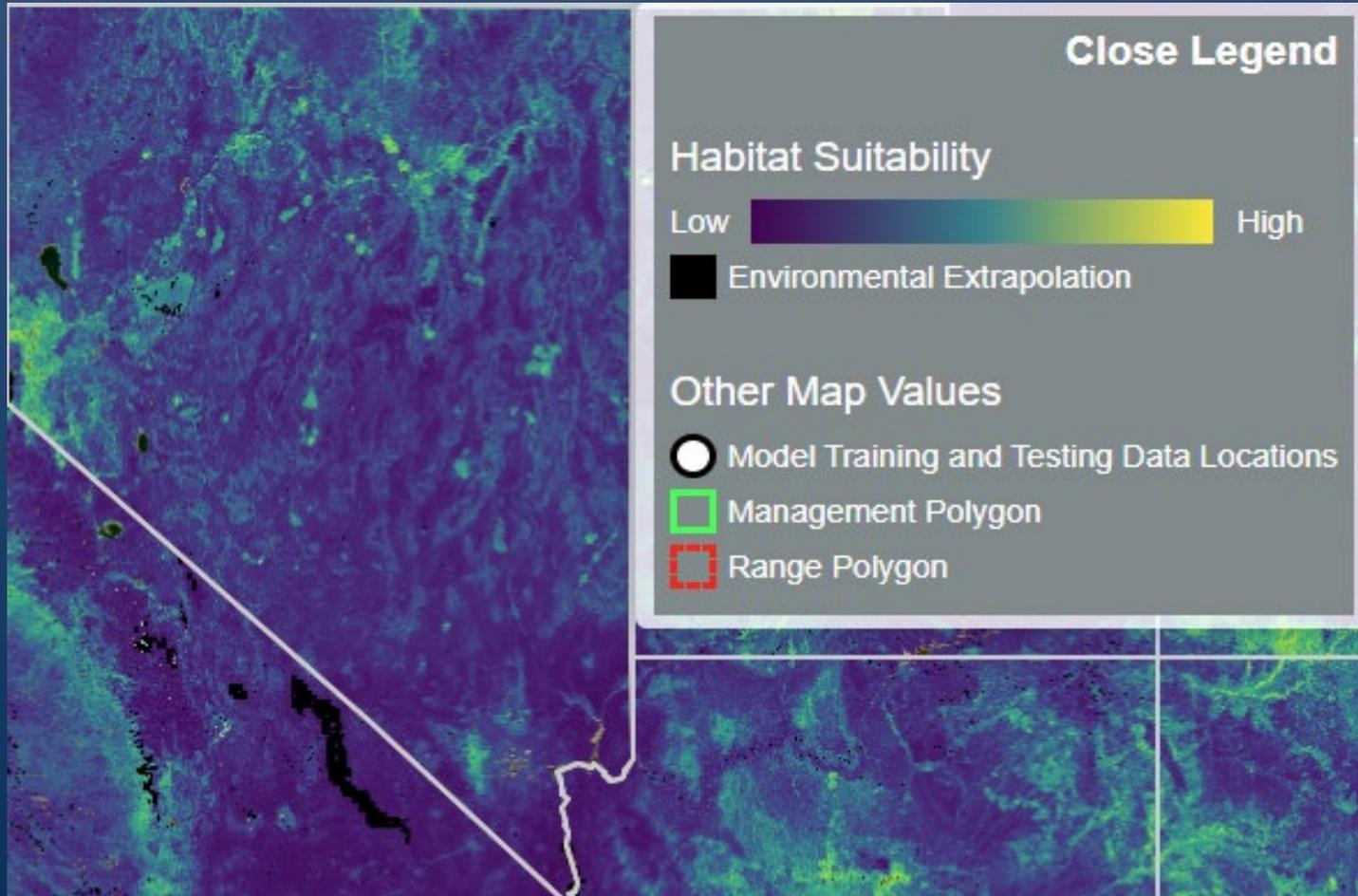
- Current distribution based on reported occurrences
- 40 positive reports in Nevada
- Herbarium record from 2017 places it in Clark county as well



Barbed Goatgrass

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Buffelgrass

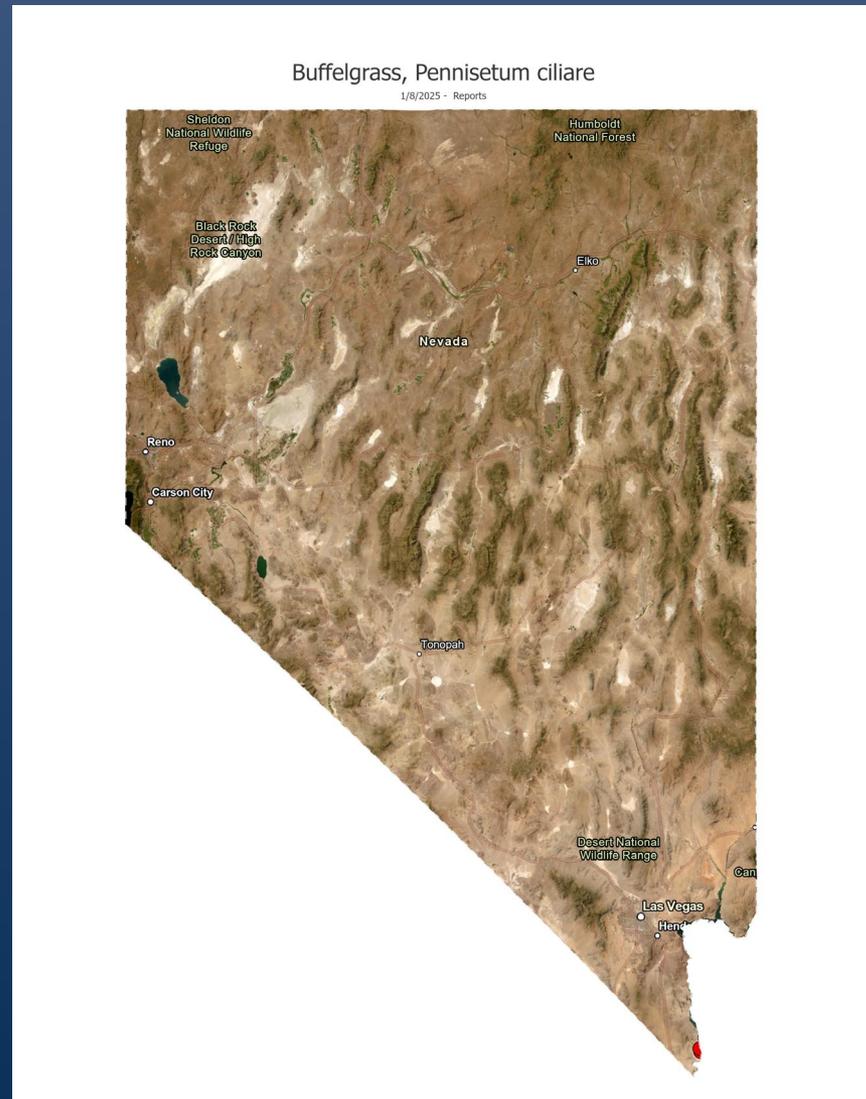
Pennisetum ciliare



Buffelgrass

Current Distribution

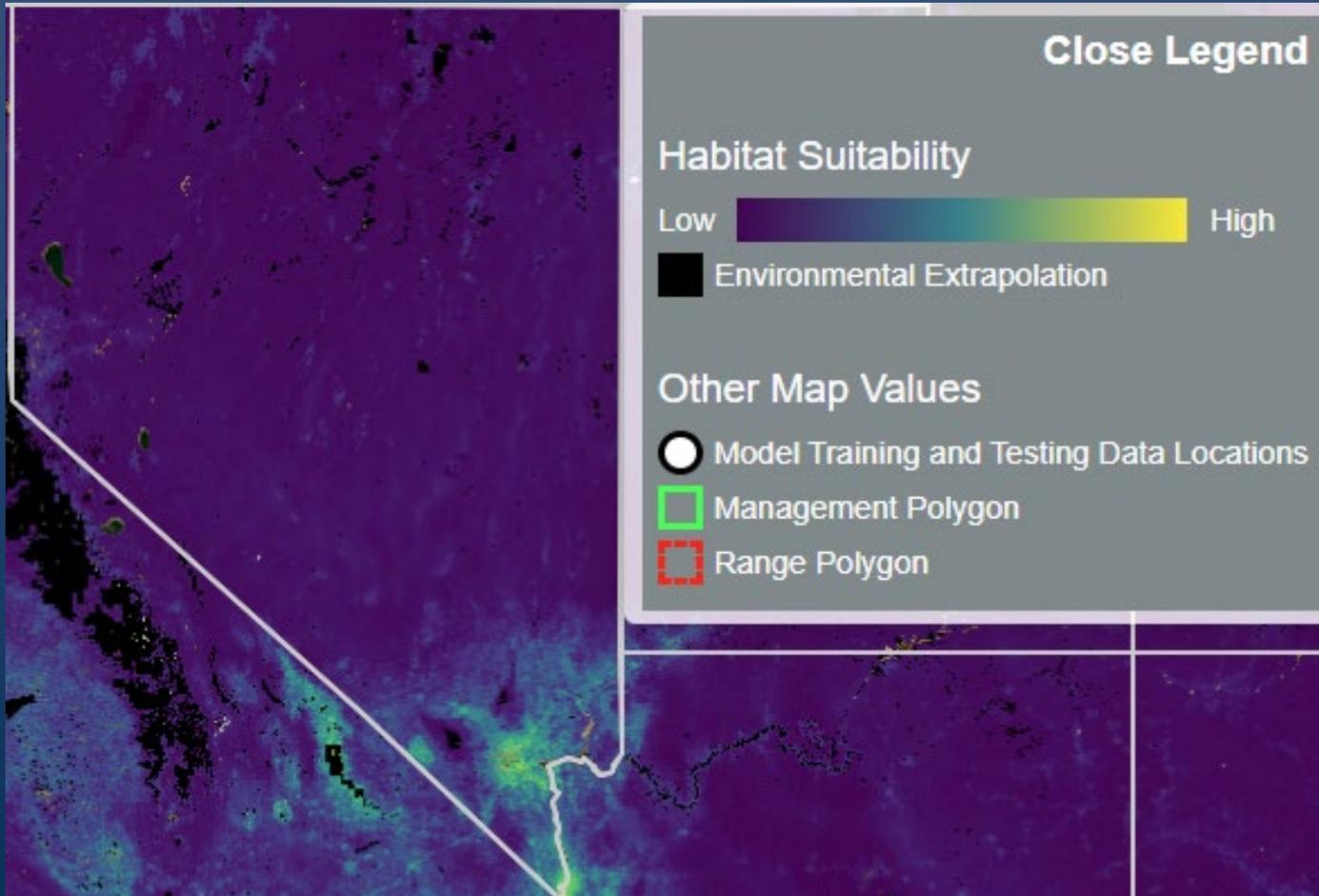
- Current distribution based on reported occurrences
- 24 positive reports in Nevada



Buffelgrass

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Camelthorn

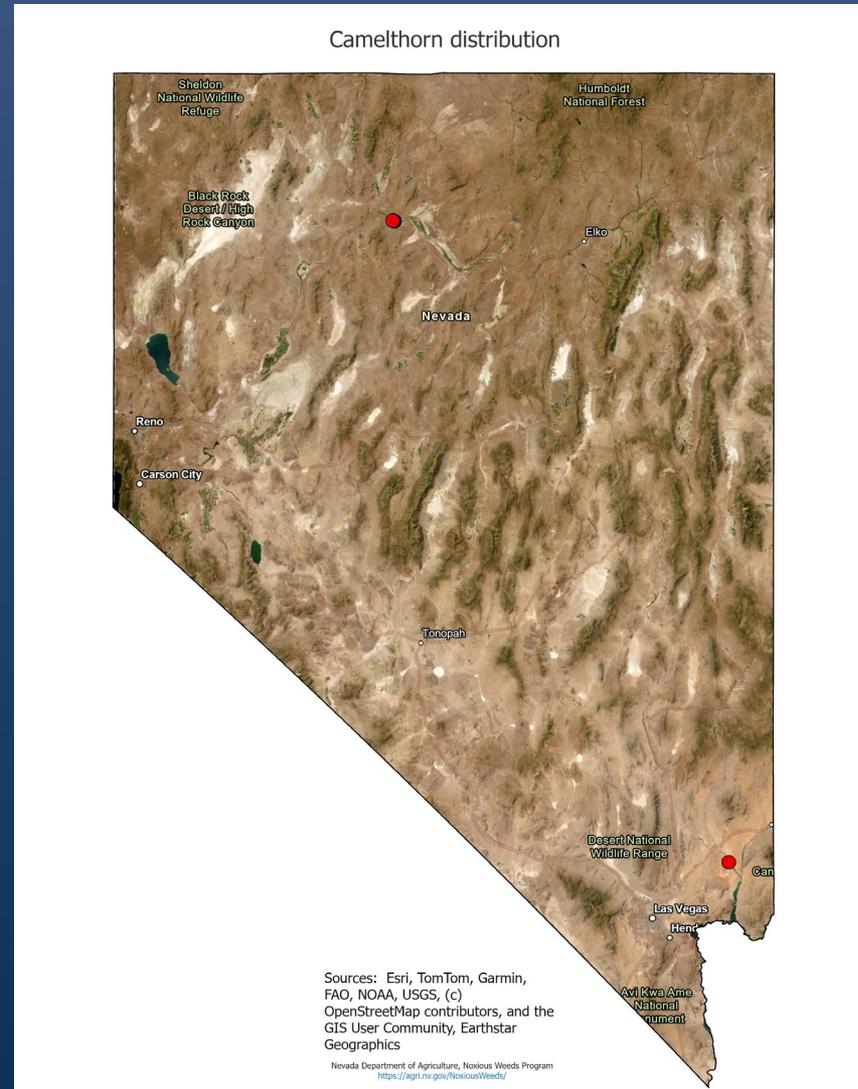
Alhagi pseudalhagi



Camelthorn

Current Distribution

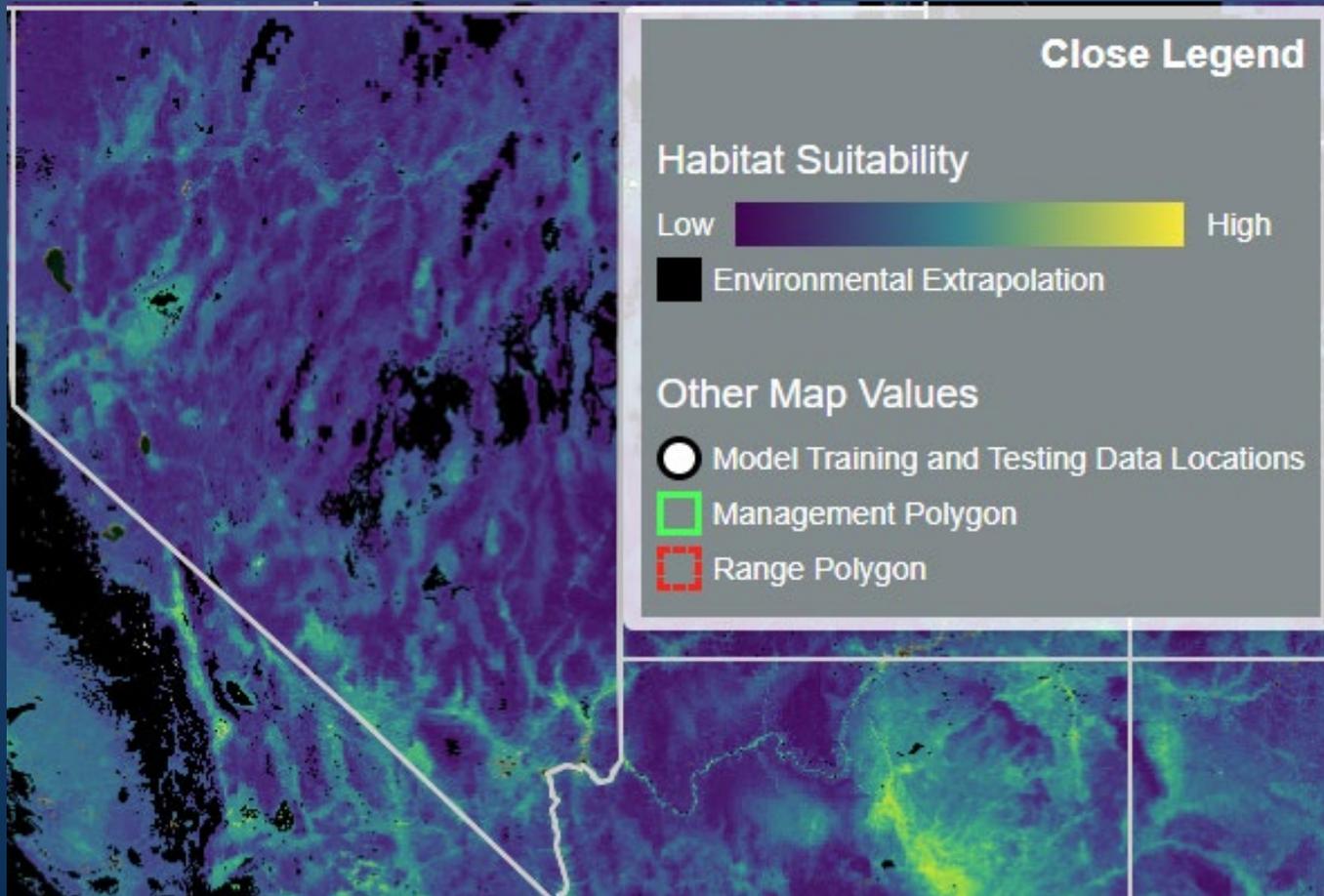
- Current distribution based on reported occurrences
- 58 positive reports in Nevada
- NDA is pursuing eradication in the Northern population. Survey work is planned to confirm southern population.
- Herbarium records have placed it in Churchill county in 1937



Camelthorn

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Common Crupina

Crupina vulgaris



Common Crupina

Current Distribution

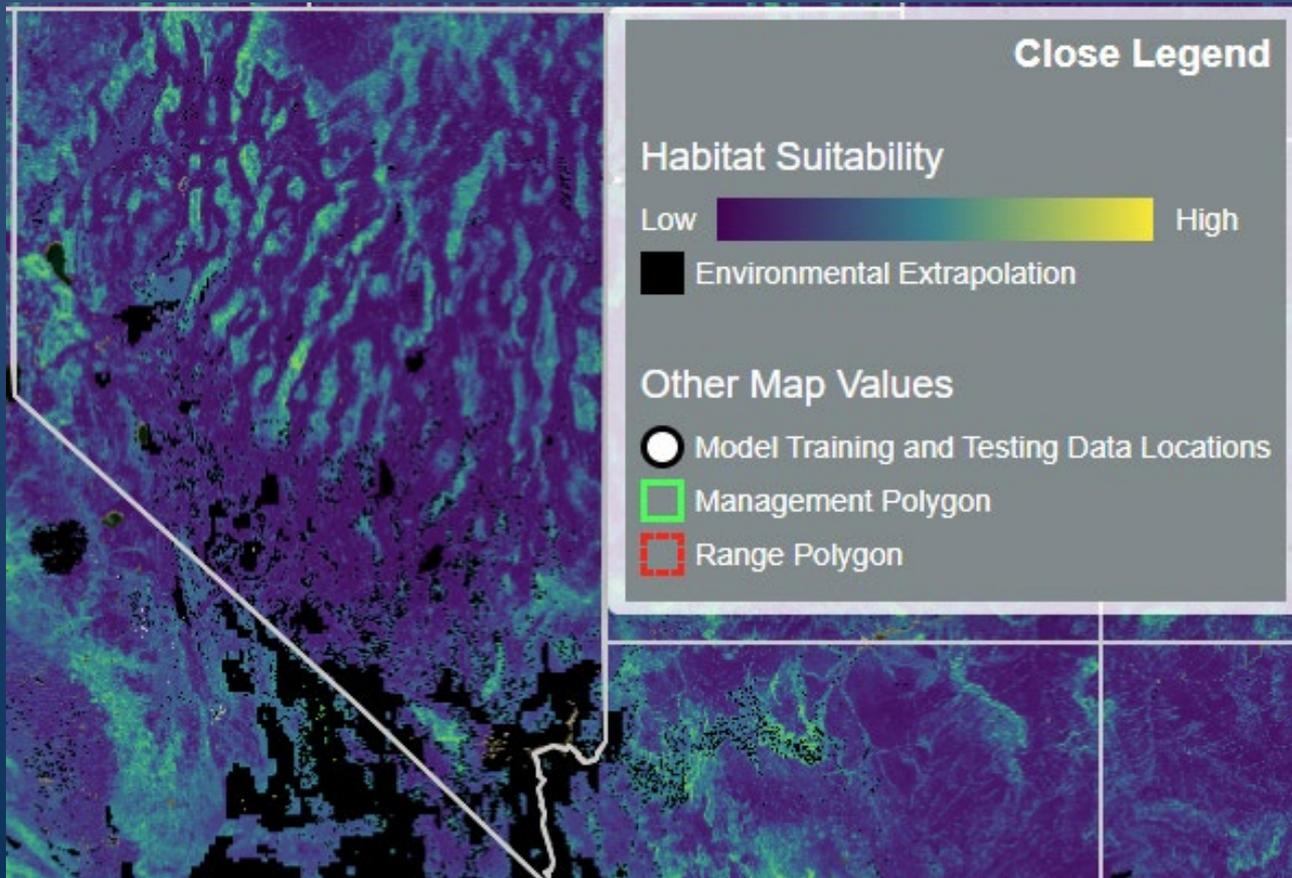
- Current distribution based on reported occurrences
- No current active sightings in Nevada



Common Crupina

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Curly Leaf Pondweed

Potamogeton crispus

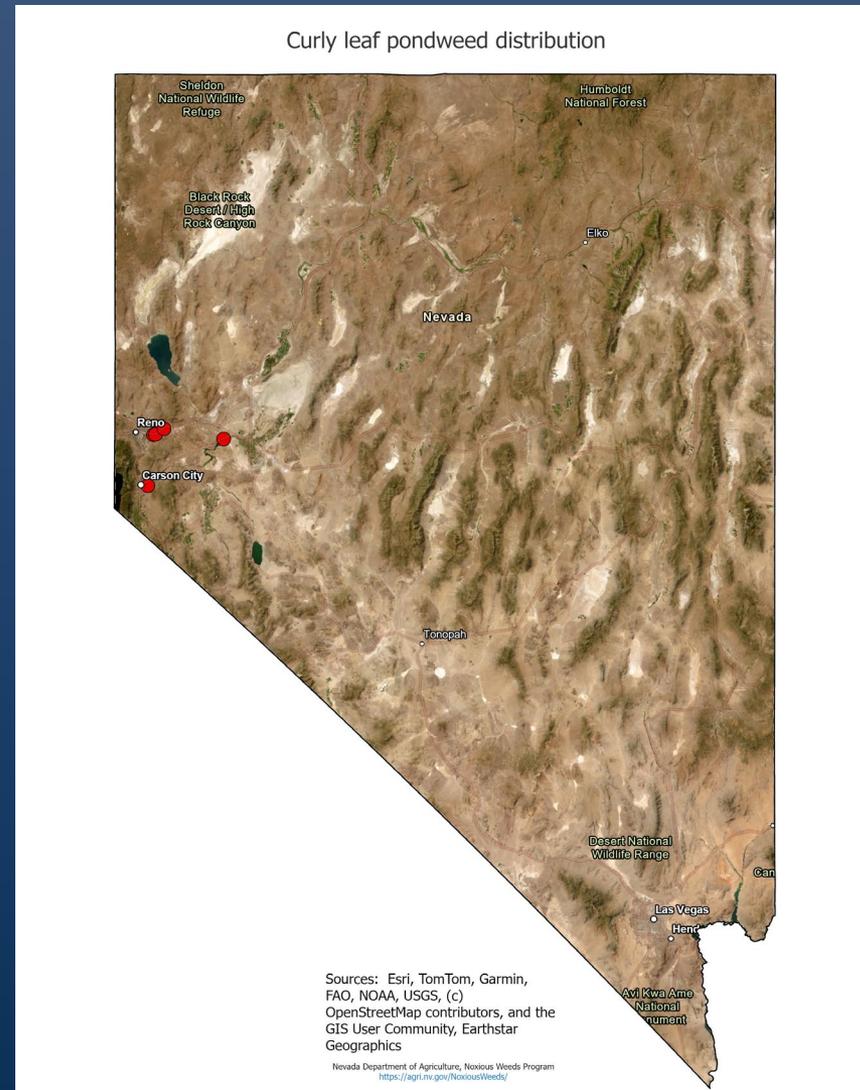
2014 © Peter M. Dziuk



Curly Leaf Pondweed

Current Distribution

- Current distribution based on reported occurrences
- 15 positive reports in Nevada
- NDA plans to work in tandem with other agencies to address populations in the Truckee and Carson rivers.
- Herbarium records have placed it in Elko county as well in 1951 and 1999



Curly Leaf Pondweed

Future Distribution

- No predictive models available for this species



Desert Knapweed

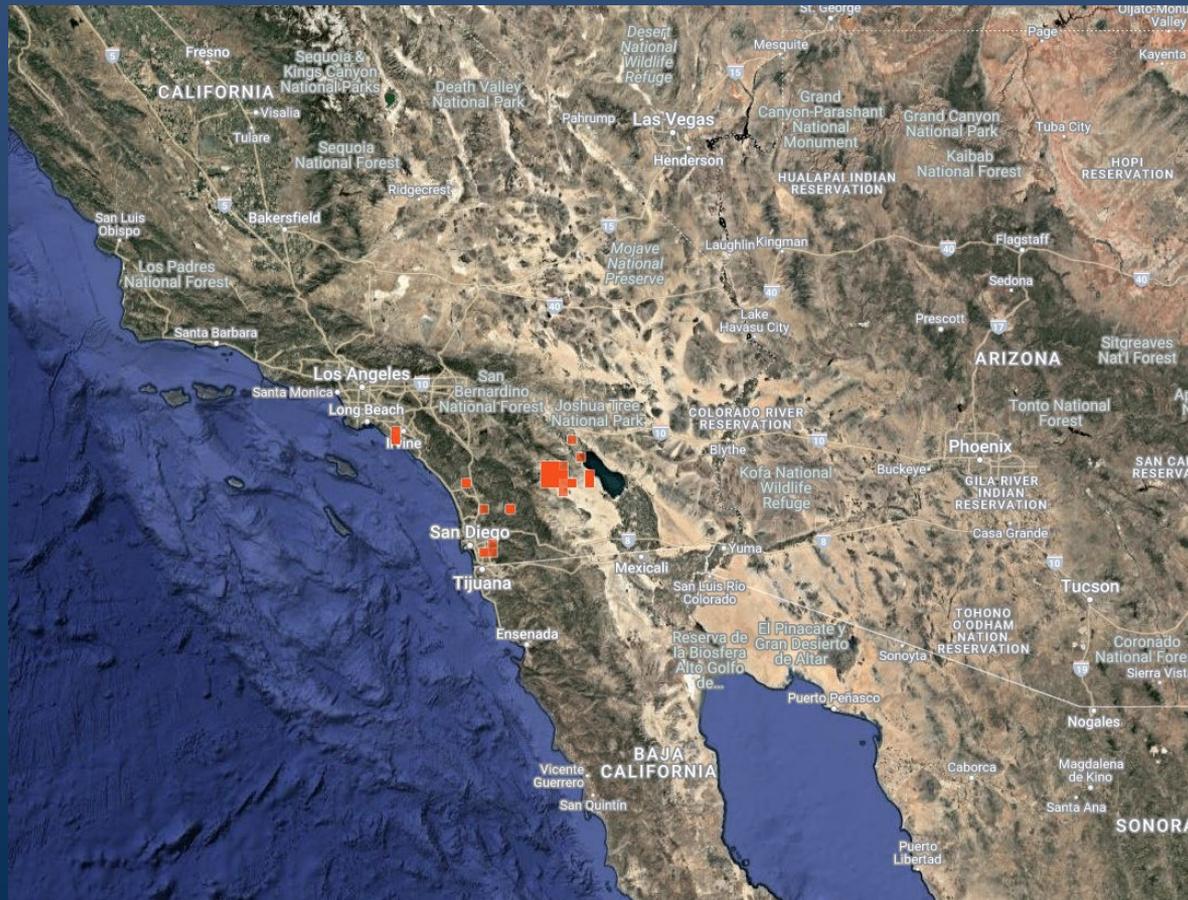
Volutaria tubuliflora



Desert Knapweed

Current Distribution

- Only known locations of this species in the United States are two small sites in San Diego and Orange counties, California, and a site in Borrego springs that occupies over 15 square miles of land.



Desert Knapweed

Future Distribution

- No current distribution models are available for this species at this time.



Dyer's Woad

Isatis tinctoria



Dyer's Woad

Current Distribution

- Current distribution based on reported occurrences
- 122 positive reports in Nevada
- NDA is working with regional partners towards eradication.
- Herbarium records have also placed it in Washoe county in 1978, Nye county in 1970 and Humboldt county in 1980.

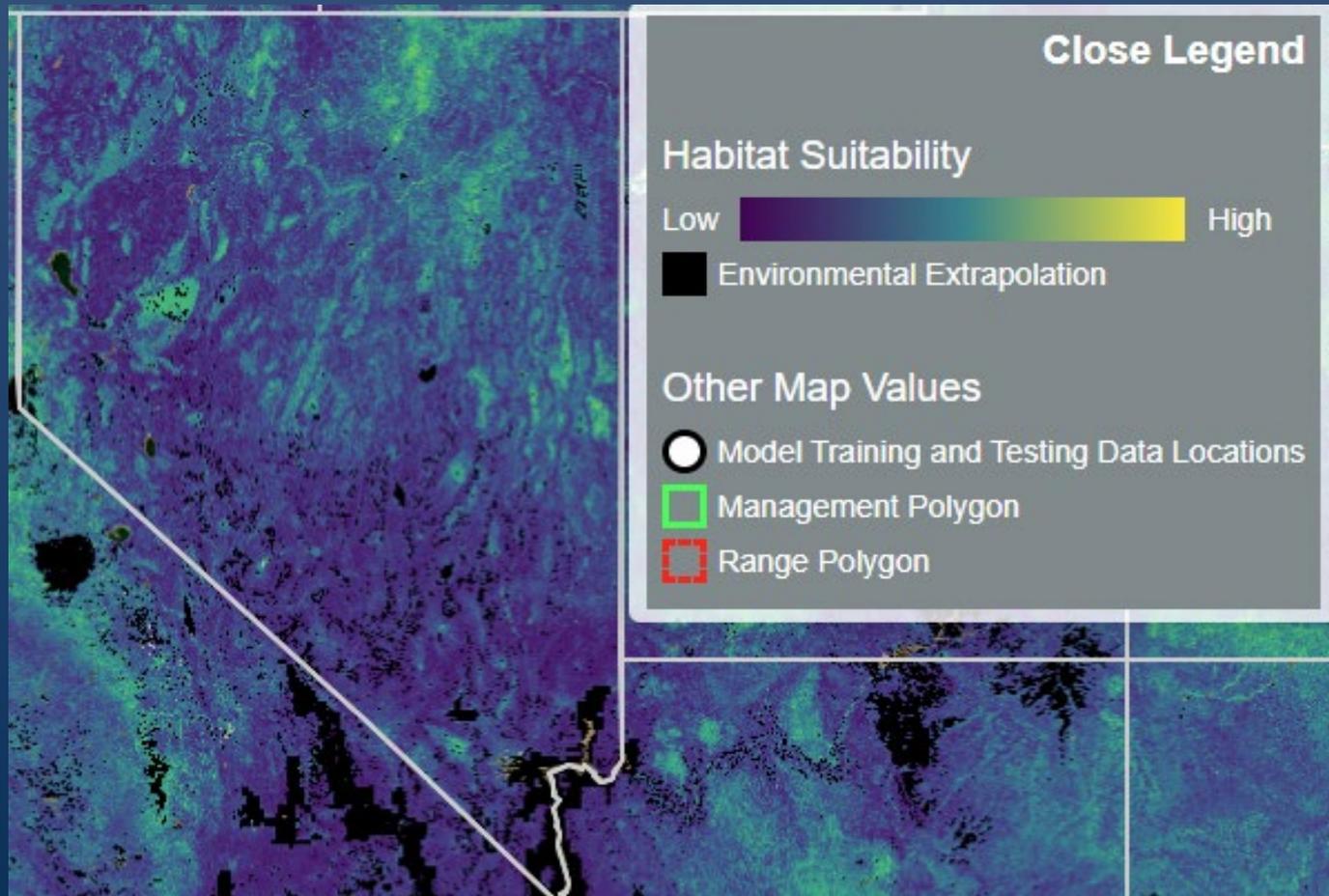
Dyers woad distribution



Dyer's Woad

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Eurasian watermilfoil

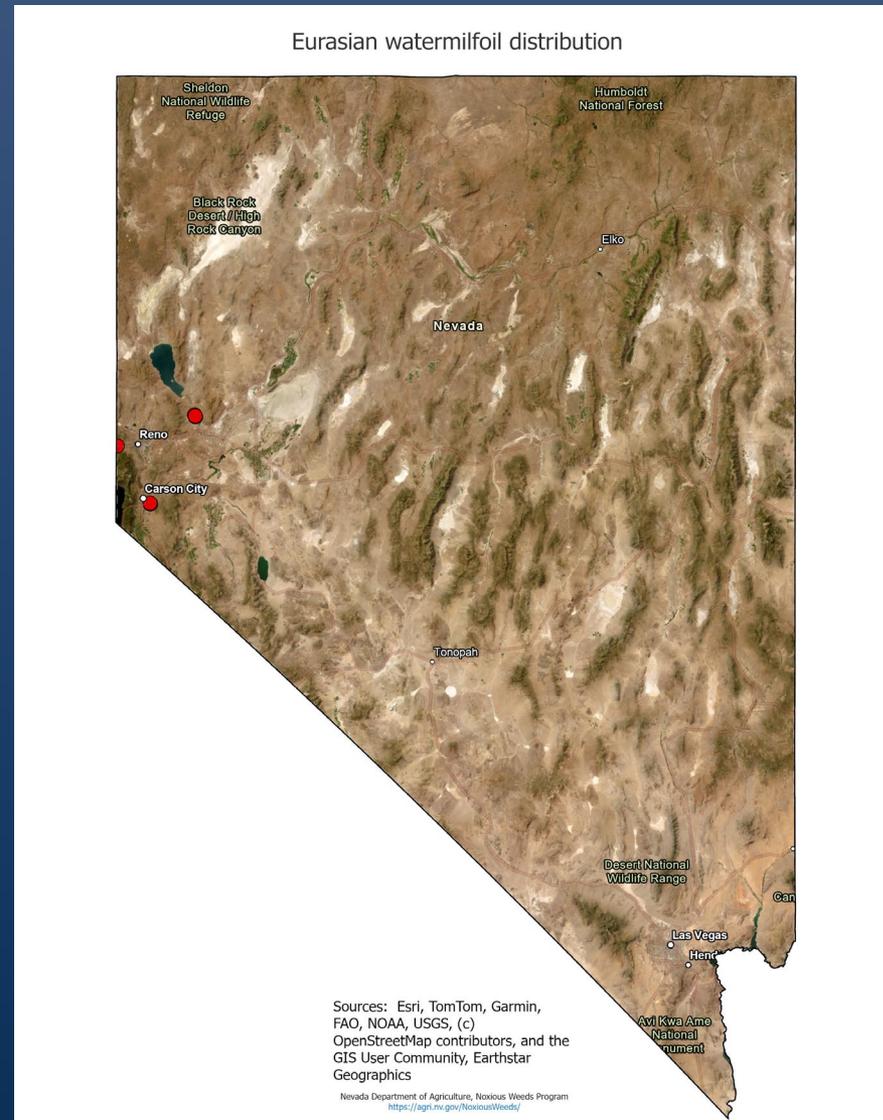
Myriophyllum spicatum



Eurasian watermilfoil

Current Distribution

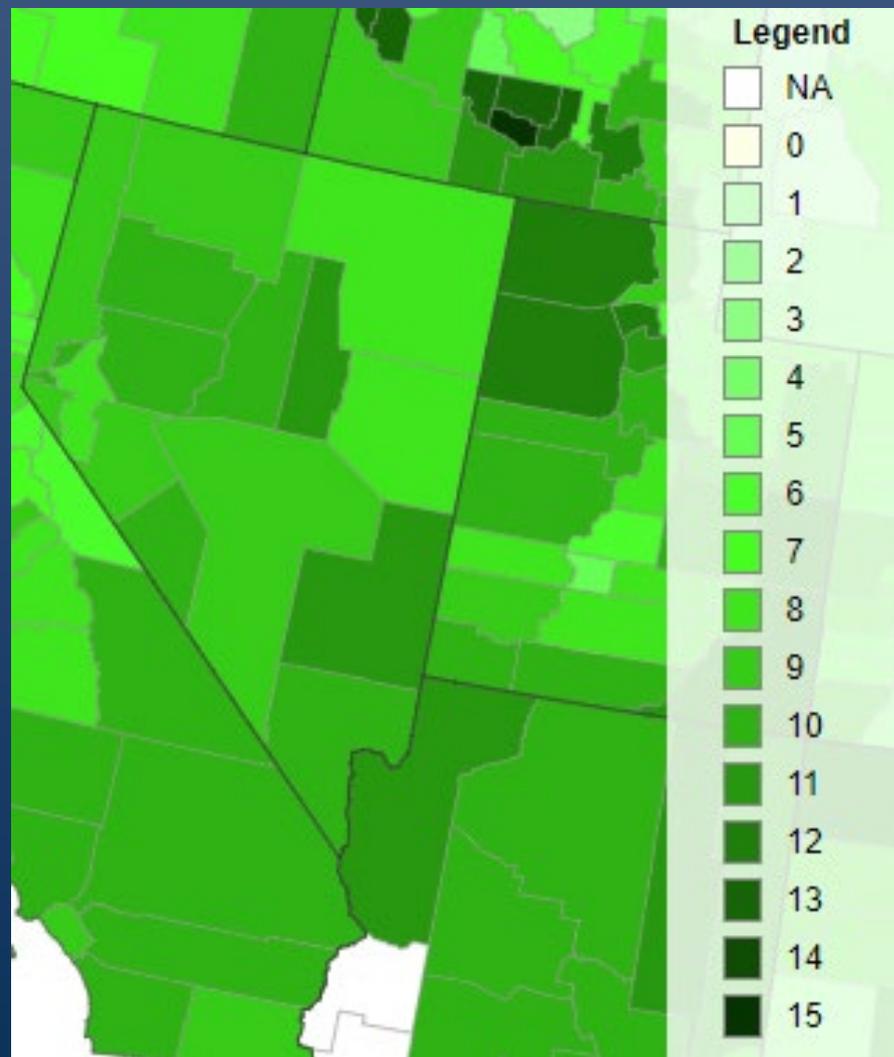
- Current distribution based on reported occurrences
- 40 positive reports in Nevada
- NDA is working with regional partners towards eradication



Eurasian watermilfoil

Future Distribution

- Future habitat abundance based on predictive models by county.



Flowering rush

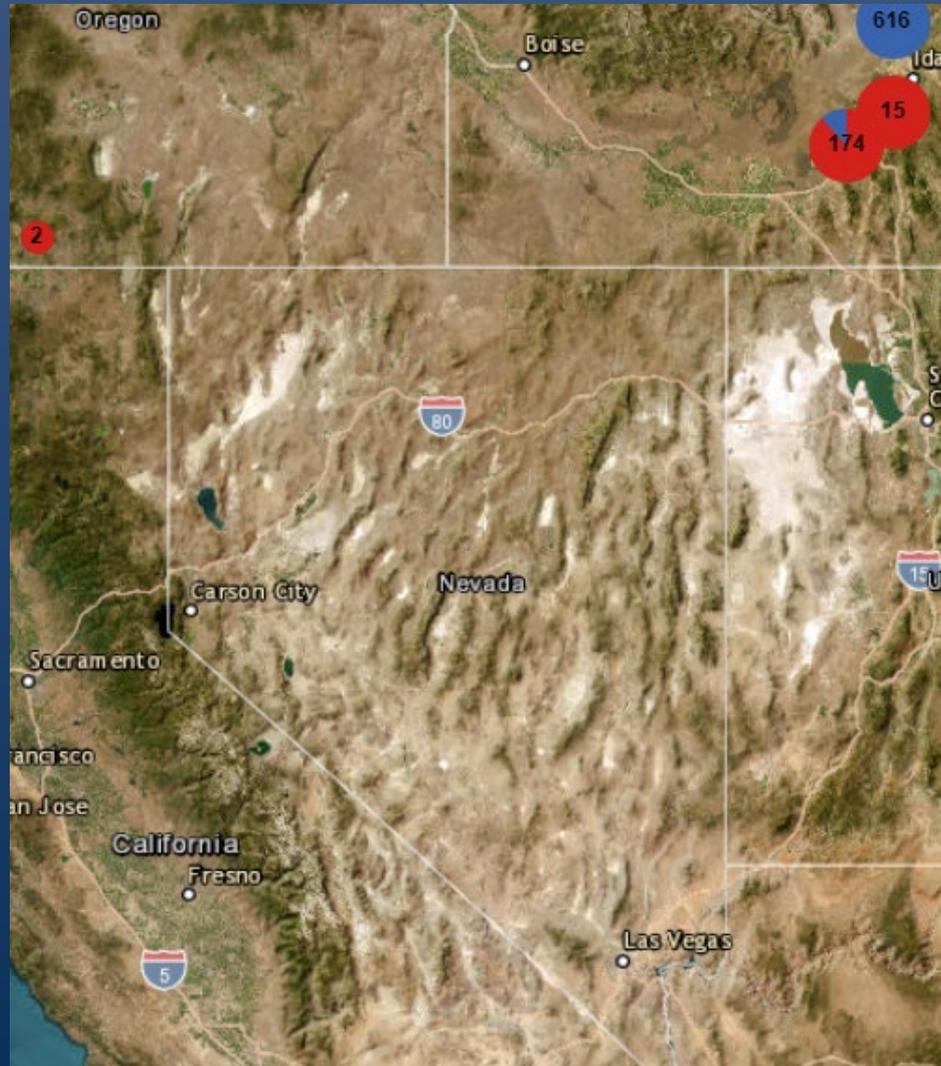
Butomus umbellatus



Flowering rush

Current Distribution

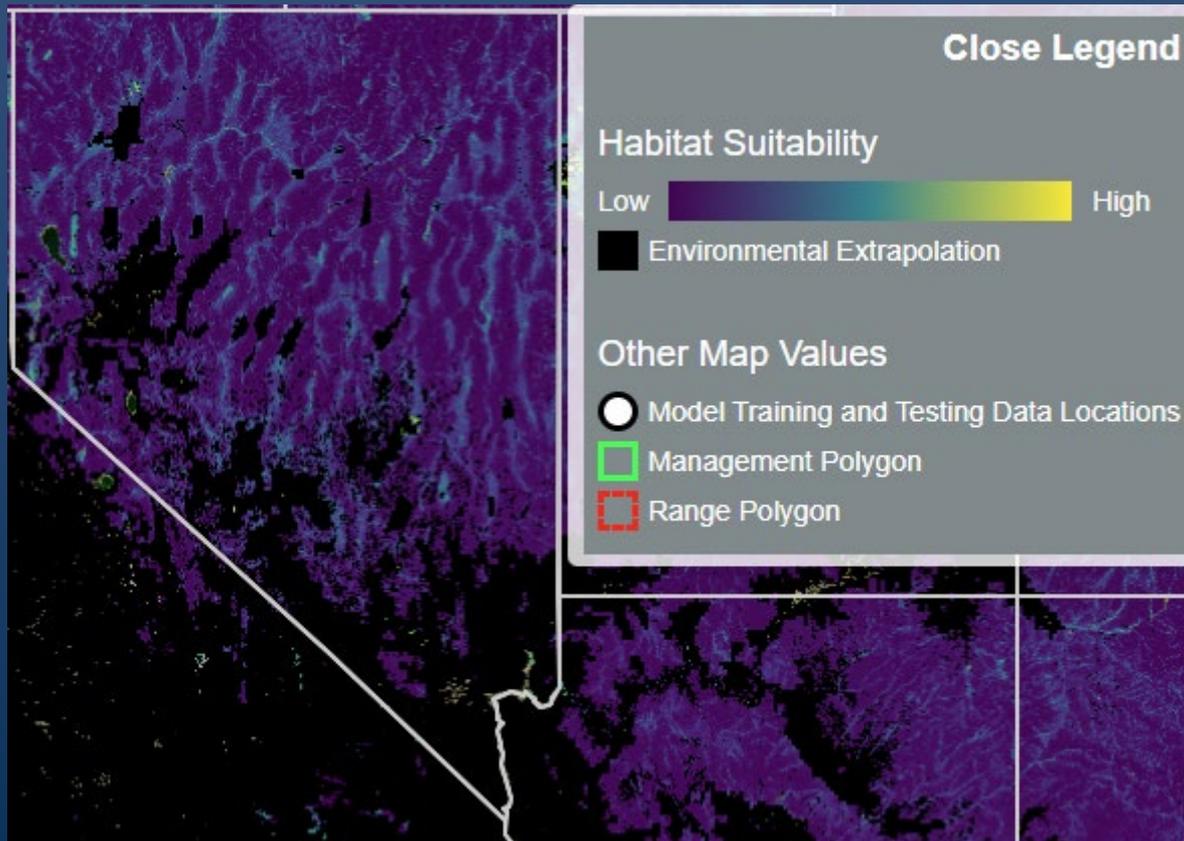
- Current distribution based on reported occurrences
- None observed in Nevada, however multiple observations have been made to the north in Oregon and Idaho



Flowering rush

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Giant salvinia

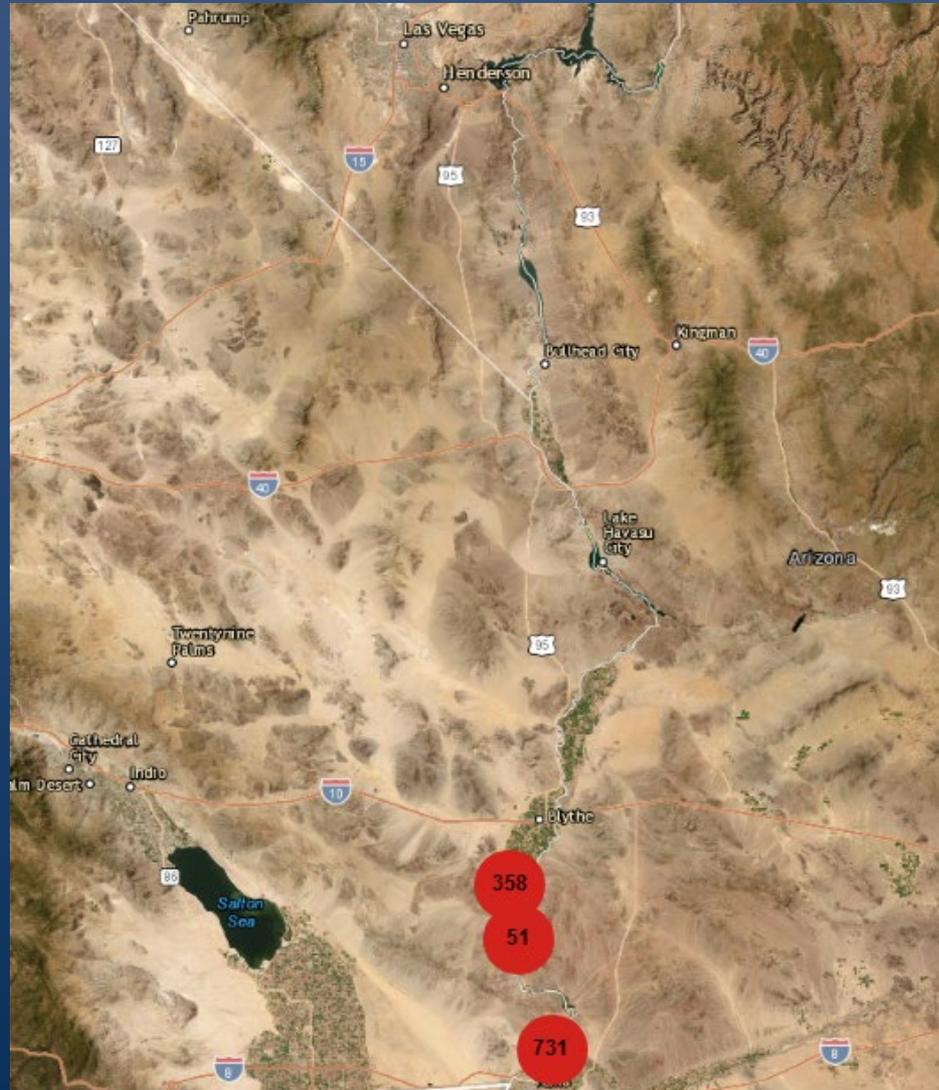
Salvinia molesta



Giant salvinia

Current Distribution

- Current distribution based on reported occurrences
- None observed in Nevada, multiple instances observed in Colorado river corridor to the south in California/Arizona totaling 1,154 documented occurrences.



Giant salvinia

Future Distribution

- There are no future distribution models for this species at this time.



Goats rue

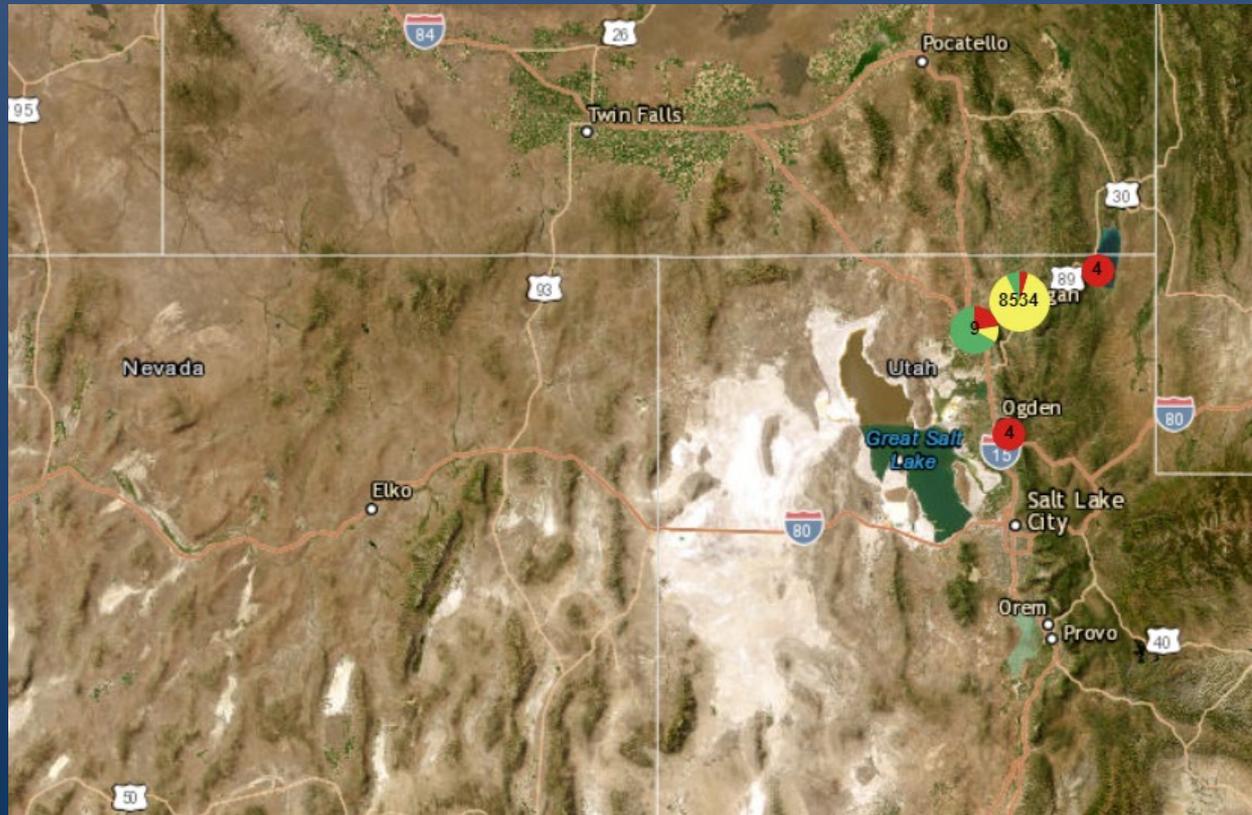
Galega officinalis



Goats rue

Current Distribution

- Current distribution based on reported occurrences
- None observed in Nevada
- Multiple instances observed in other states, the closest being in Utah north of Salt lake City with 7,929 reports.



Goats rue

Future Distribution

- No current predictive models for the future distribution of this species



Green/Crimson Fountain grass

Pennisetum setaceum



Green/Crimson Fountain grass

Current Distribution

- Current distribution based on reported occurrences
- 940 positive reports in Southern Nevada
- NDA is currently coordinating with southern partners and is engaged in outreach and education

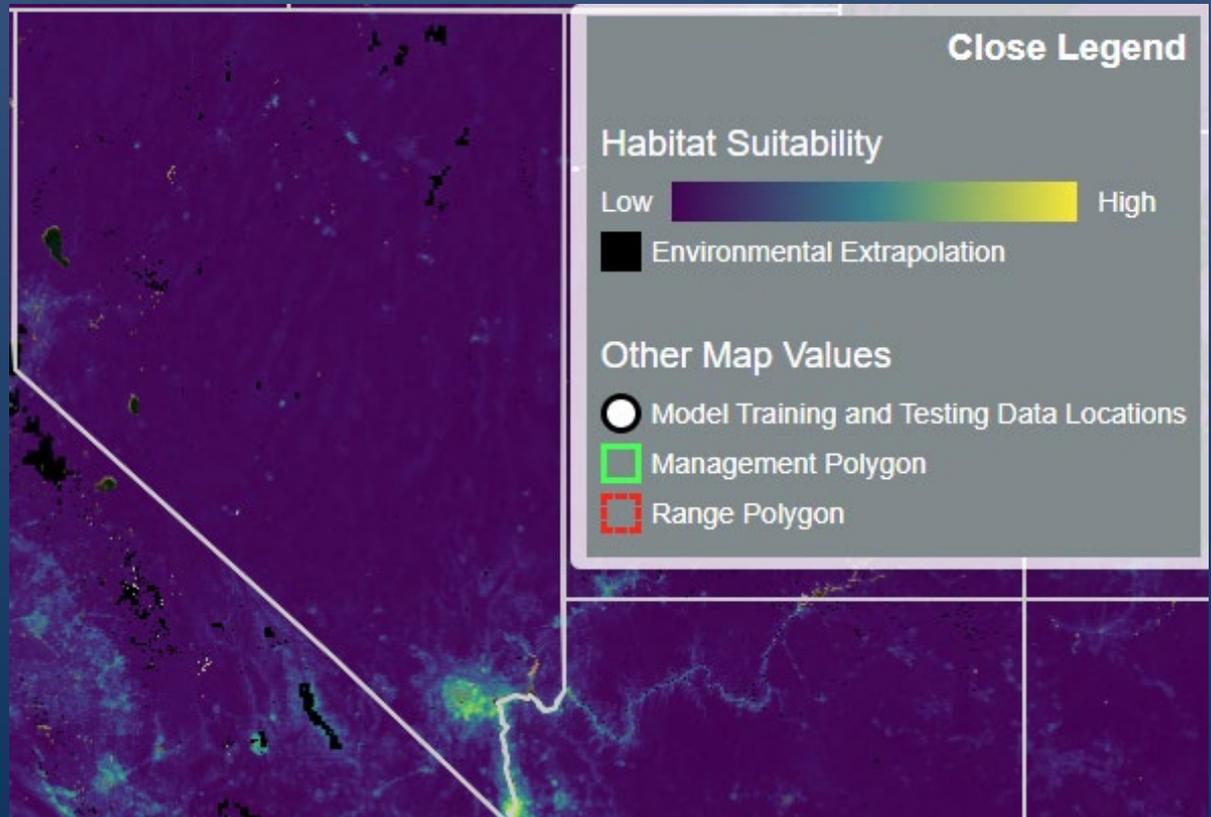
Crimson fountaingrass distribution



Green/Crimson Fountain grass

Future Distribution

- Probable future distribution based on habitat suitability



Houndstongue

Cynoglossum officinale



Houndstongue

Current Distribution

- Current distribution based on reported occurrences
- 353 positive reports in Nevada
- NDA is working with regional partners

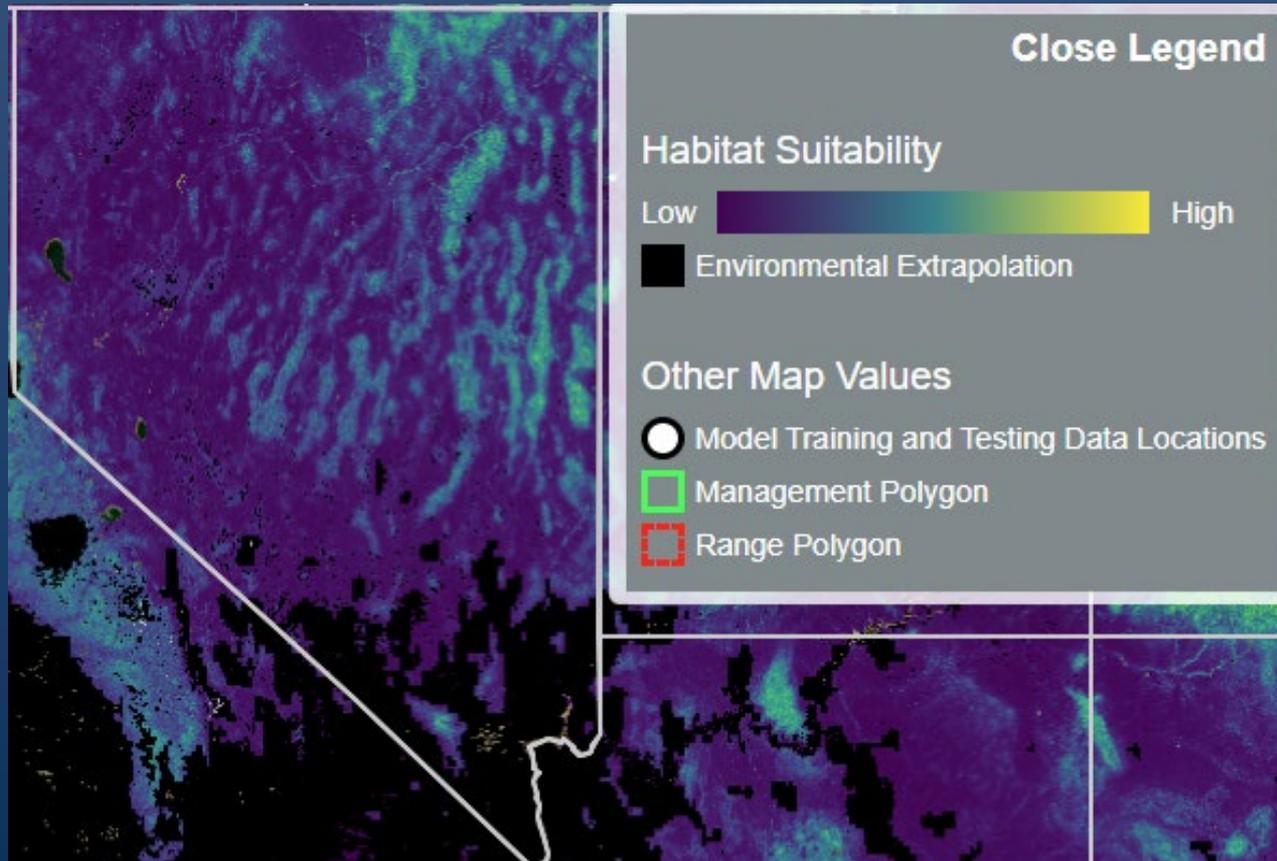
Houndstongue distribution



Houndstongue

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Hydrilla

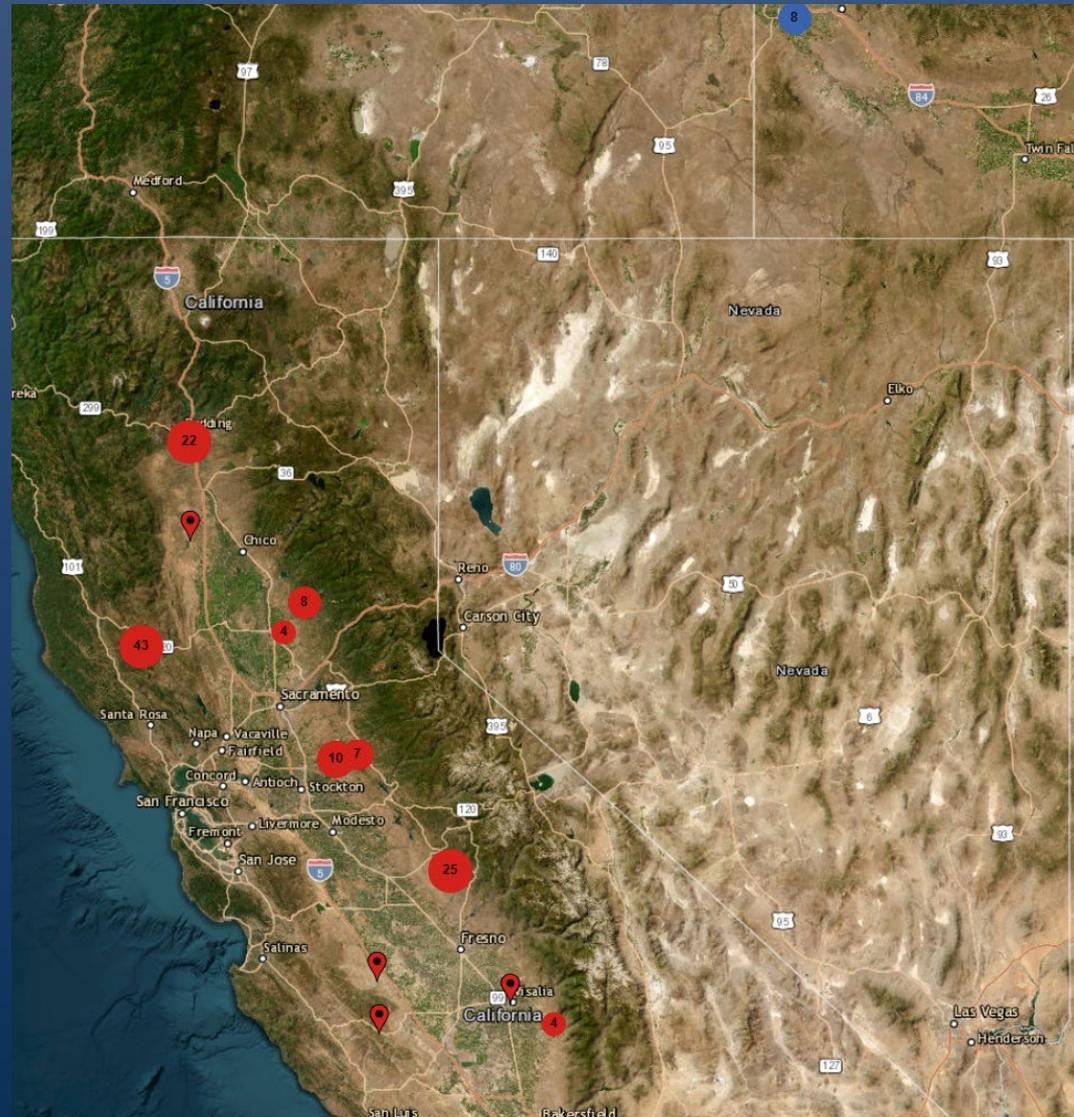
Hydrilla verticillata



Hydrilla

Current Distribution

- Current distribution based on reported occurrences
- No instances of this species have been observed in Nevada
- 199 documented occurrences in California



Hydrilla

Future Distribution

- No predictive models exist for this species



Iberian starthistle

Centaurea iberica



Iberian starthistle

Current Distribution

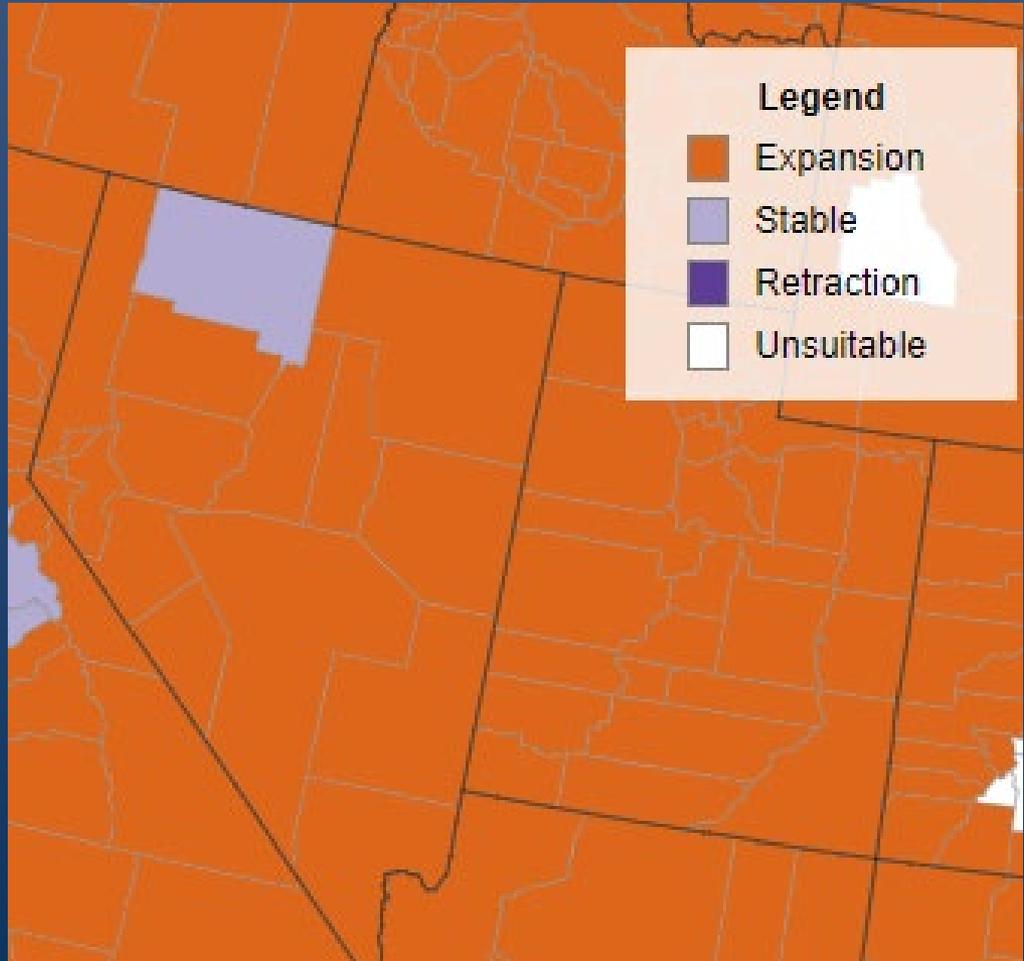
- No documented occurrences in Nevada



Iberian starthistle

Future Distribution

- Probable future distribution based on habitat suitability



Jointed goatgrass

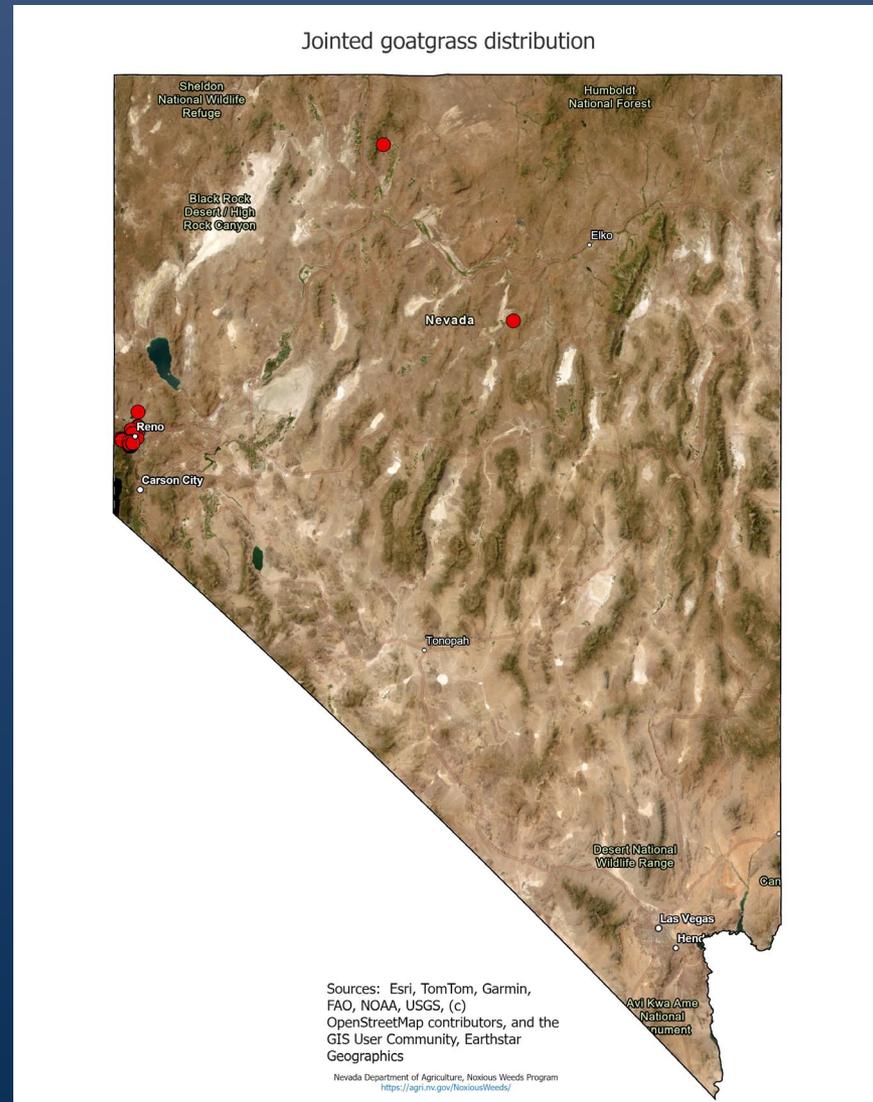
Aegilops cylindrica



Jointed goatgrass

Current Distribution

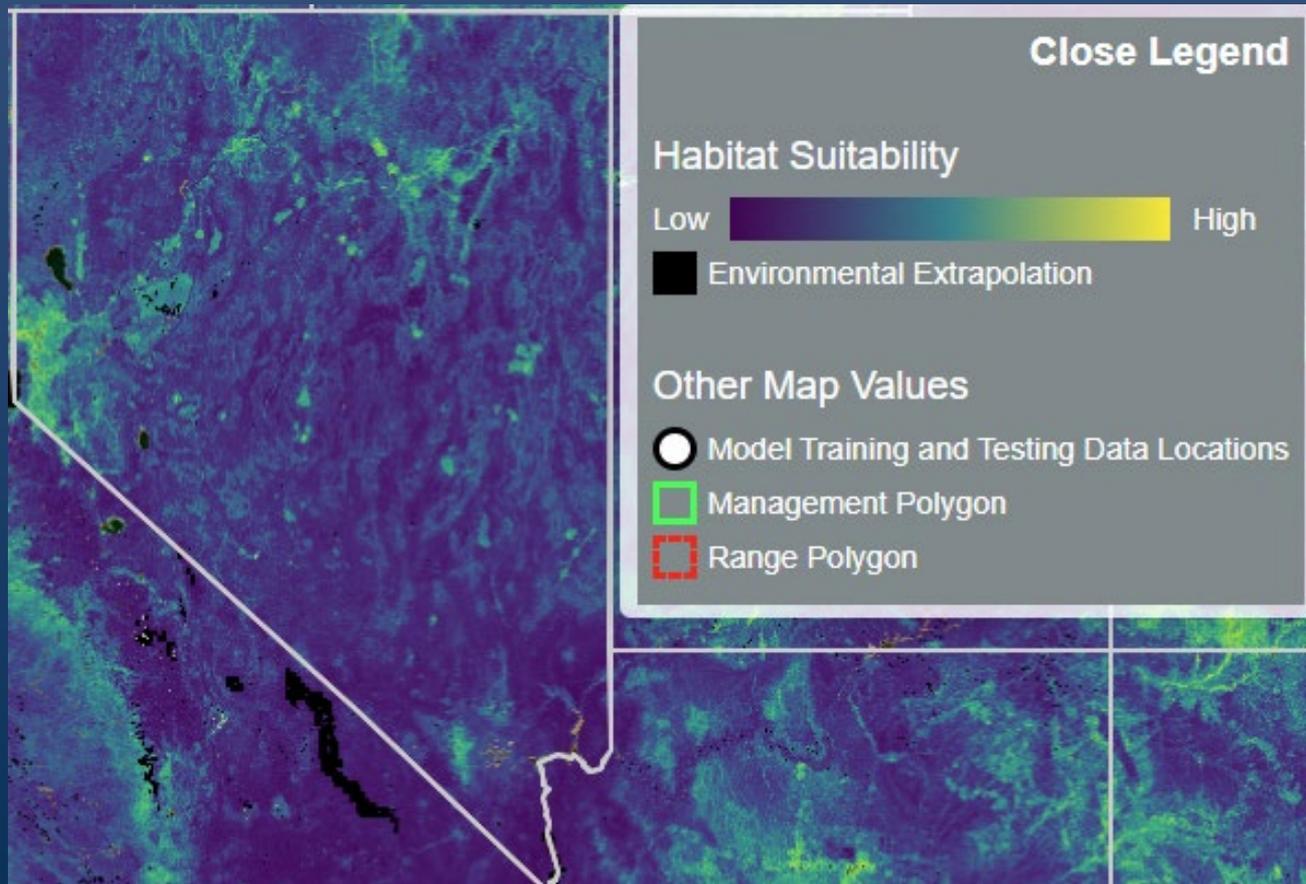
- Current distribution based on reported occurrences
- 326 positive reports in Nevada
- Herbarium records have also placed it in Churchill county in 1965 and Clark county in 1997



Jointed goatgrass

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Leafy spurge

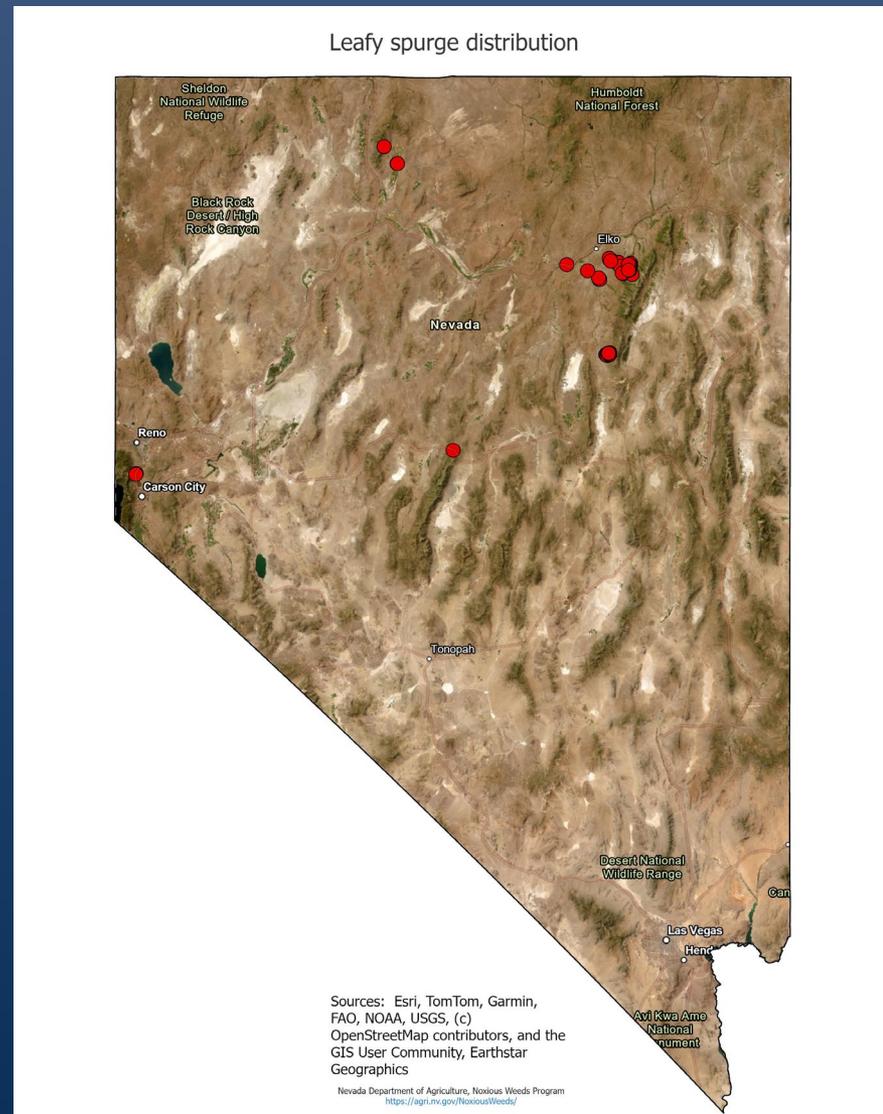
Euphorbia esula



Leafy spurge

Current Distribution

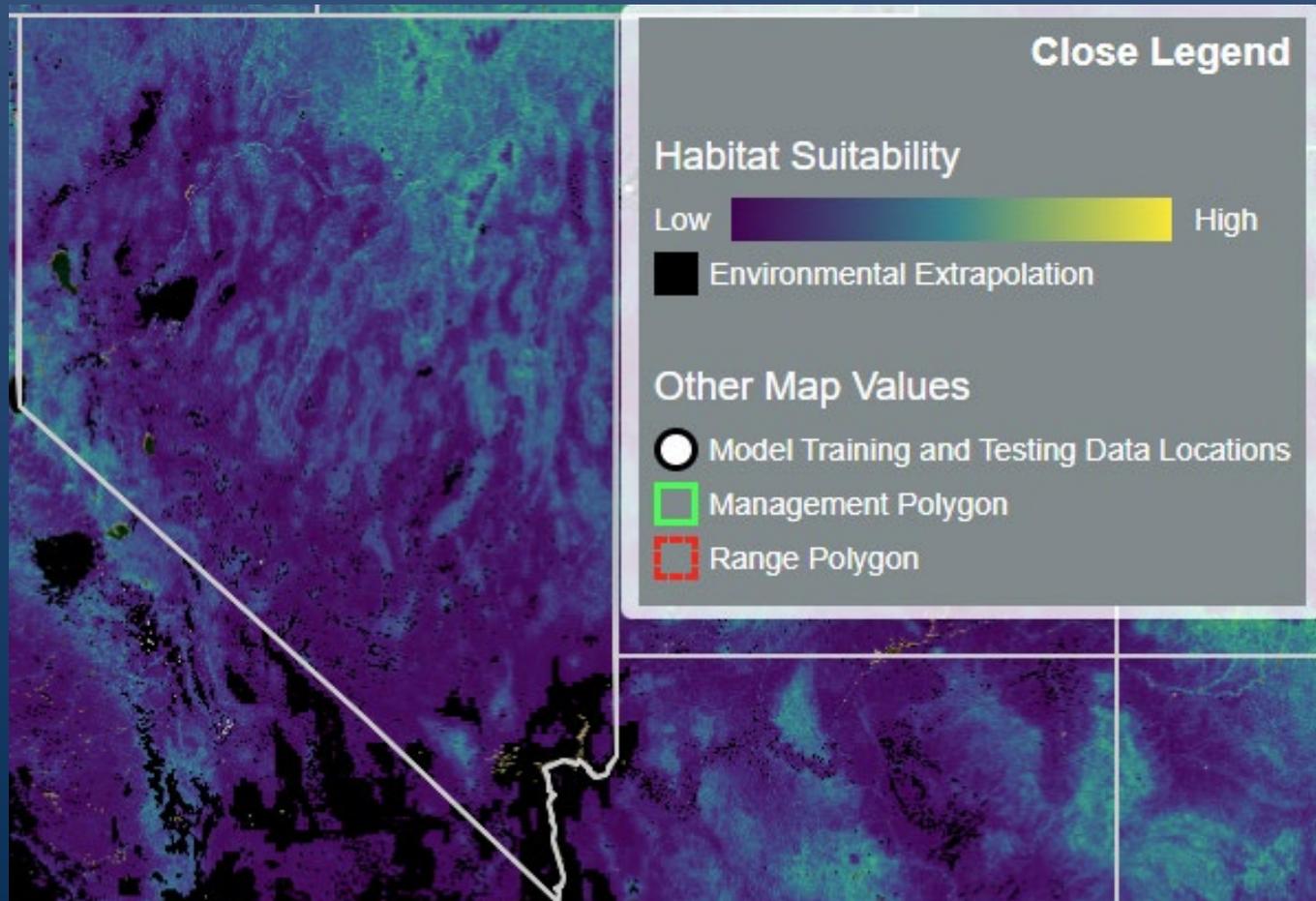
- Current distribution based on reported occurrences
- 1158 positive reports in Nevada
- NDA has biocontrol in place for some populations and is working with regional partners in others.



Leafy spurge

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Klamath weed

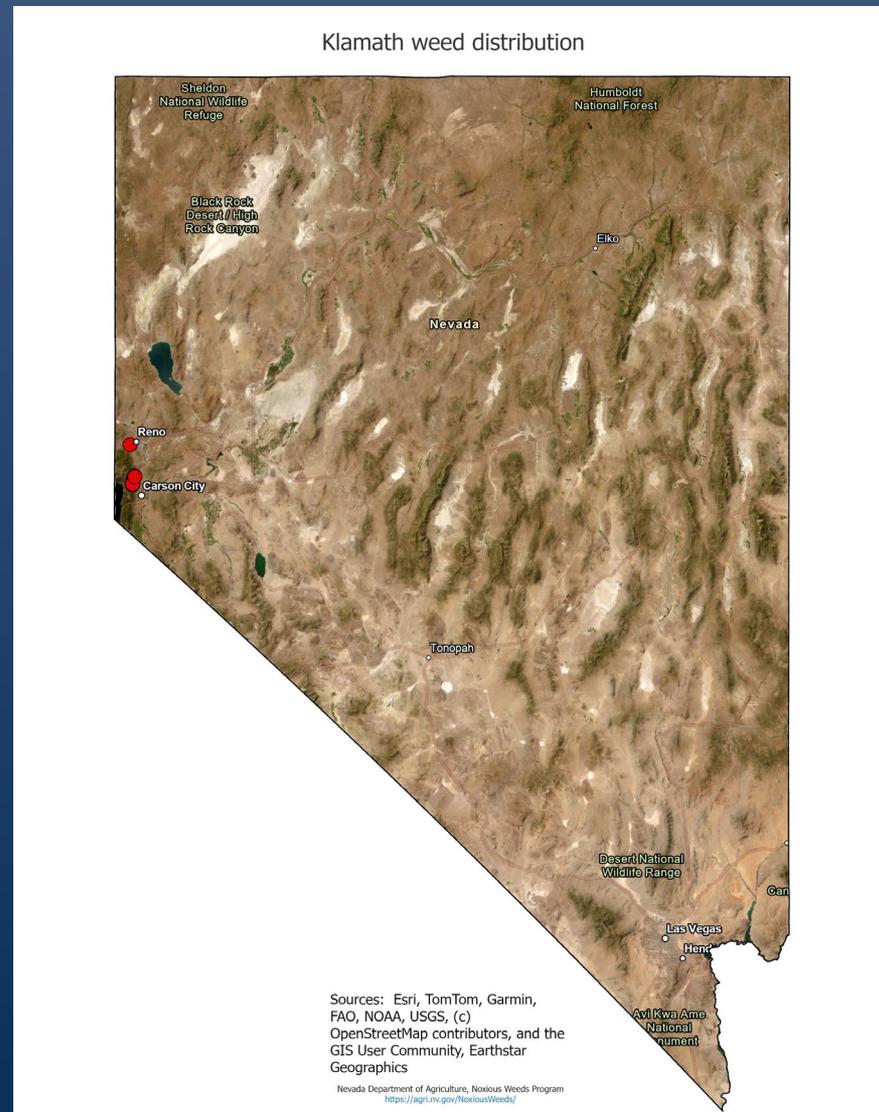
Hypericum perforatum



Klamath weed

Current Distribution

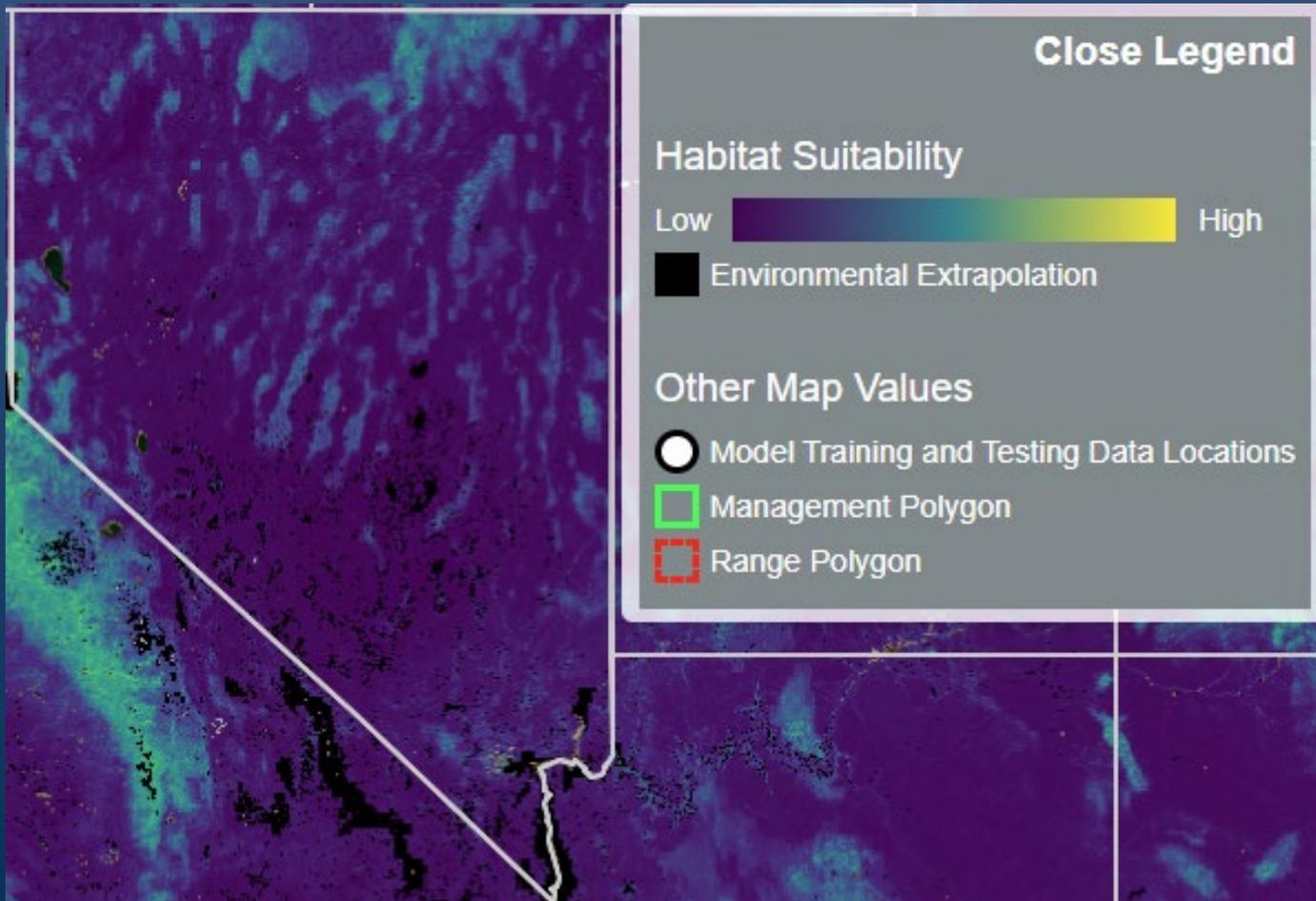
- Current distribution based on reported occurrences
- 32 positive reports in Nevada
- NDA is working with regional partners towards eradication
- Herbarium records have also placed it in Clark county in 2005 and Lander county in 1980.



Klamath weed

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Malta starthistle

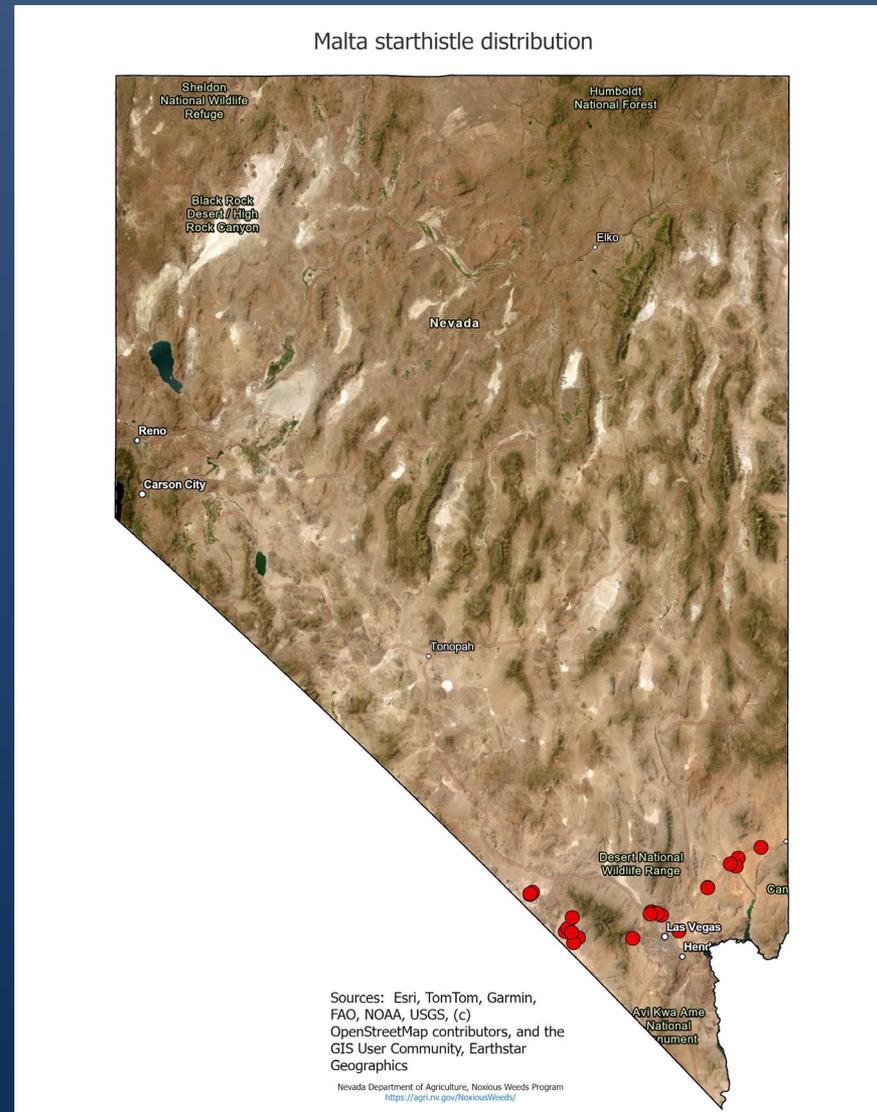
Centaurea melitensis



Malta starthistle

Current Distribution

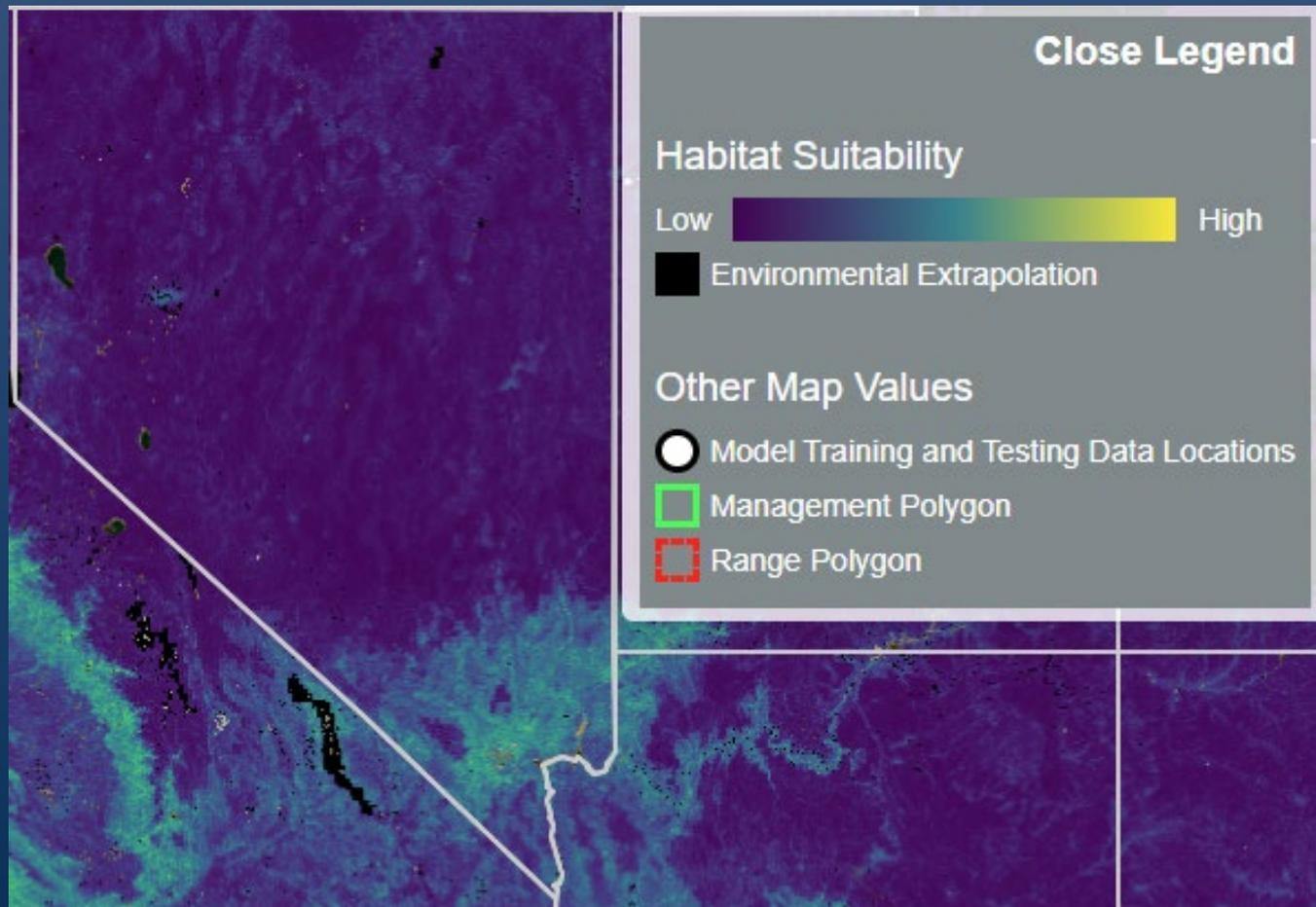
- Current distribution based on reported occurrences
- 351 positive reports in Nevada
- NDA is coordinating with Southern partners.



Malta starthistle

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Mediterranean sage

Salvia aethiopsis



Mediterranean sage

Current Distribution

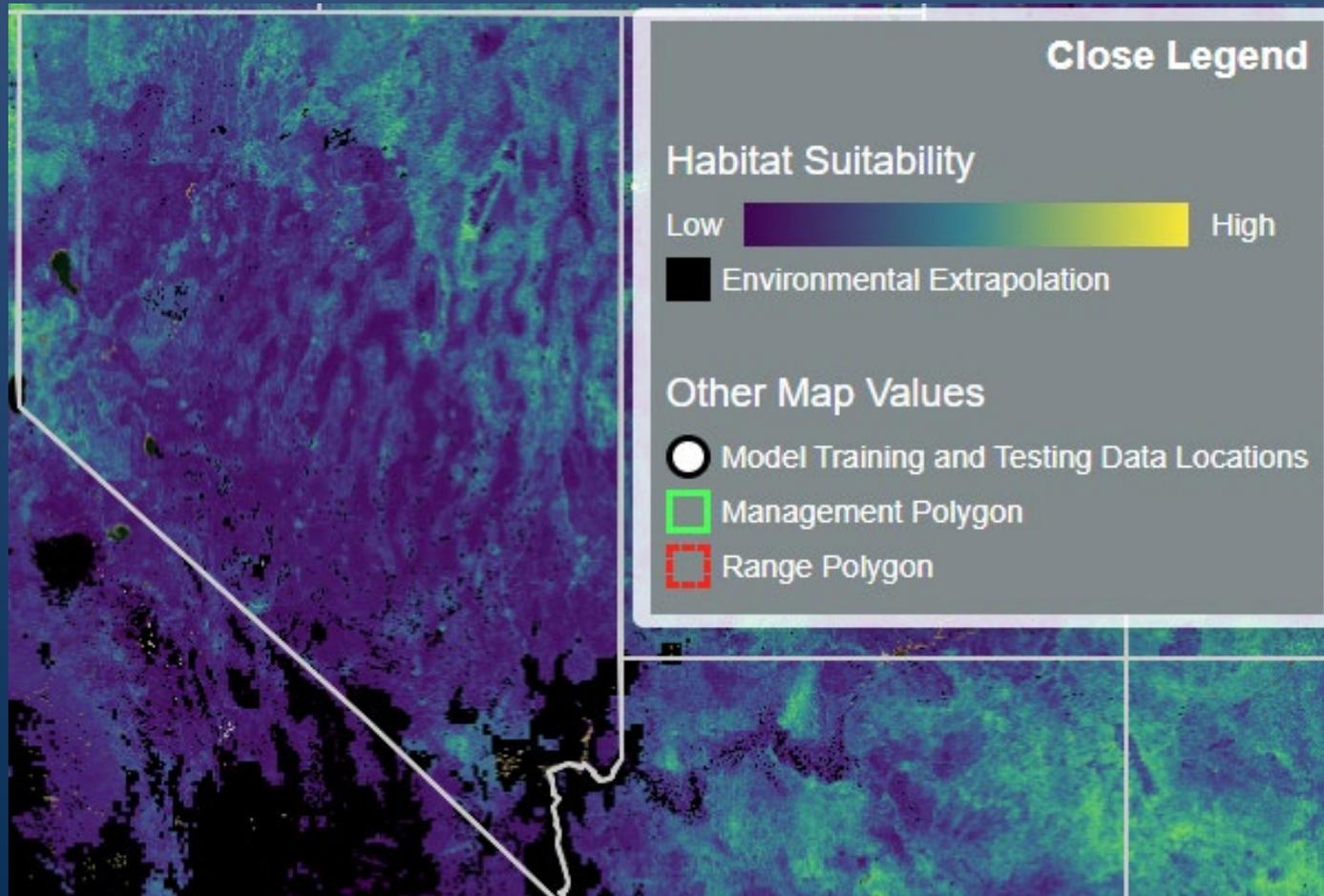
- No documented occurrences in the state
- Older point in Sheldon Wildlife refuge has been confirmed to have been eradicated by USFWS



Mediterranean sage

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Medusahead

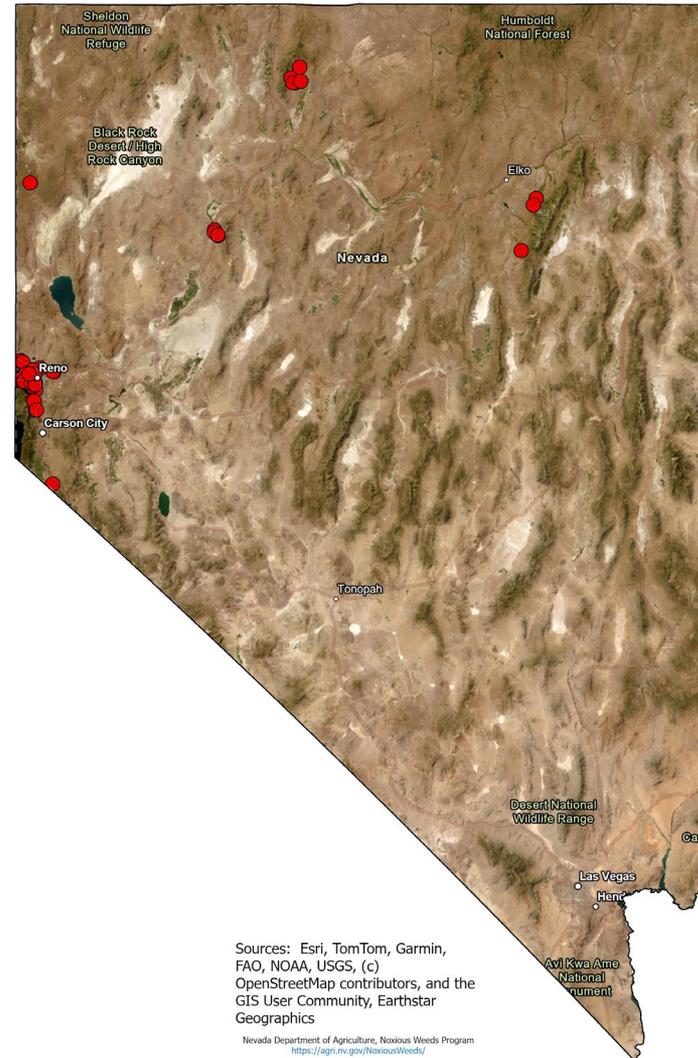
Taeniatherum caput-medusae



Medusahead Current Distribution

- 1772 positive reports in Nevada

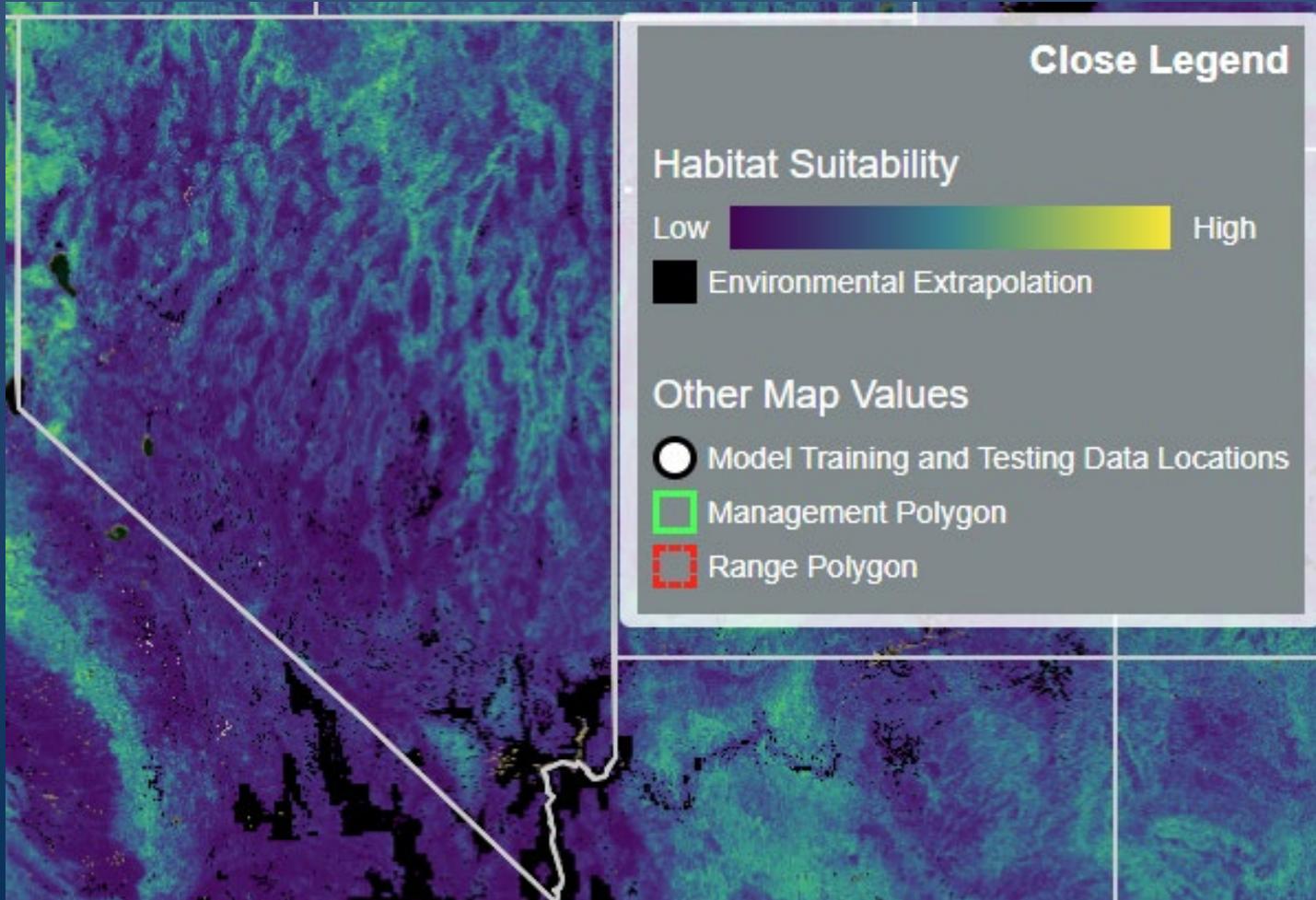
Medusahead distribution



Medusahead

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Purple Loosestrife

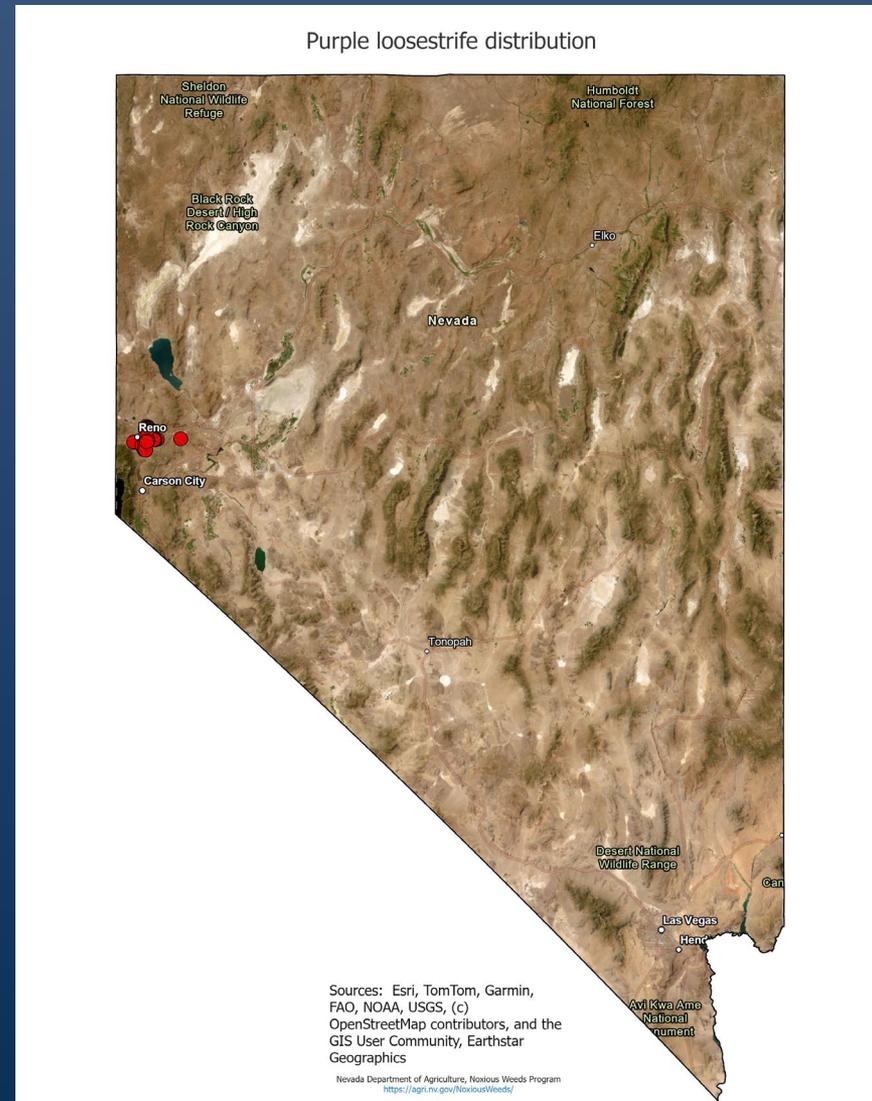
Lythrum salicaria/virgatum



Purple Loosestrife

Current Distribution

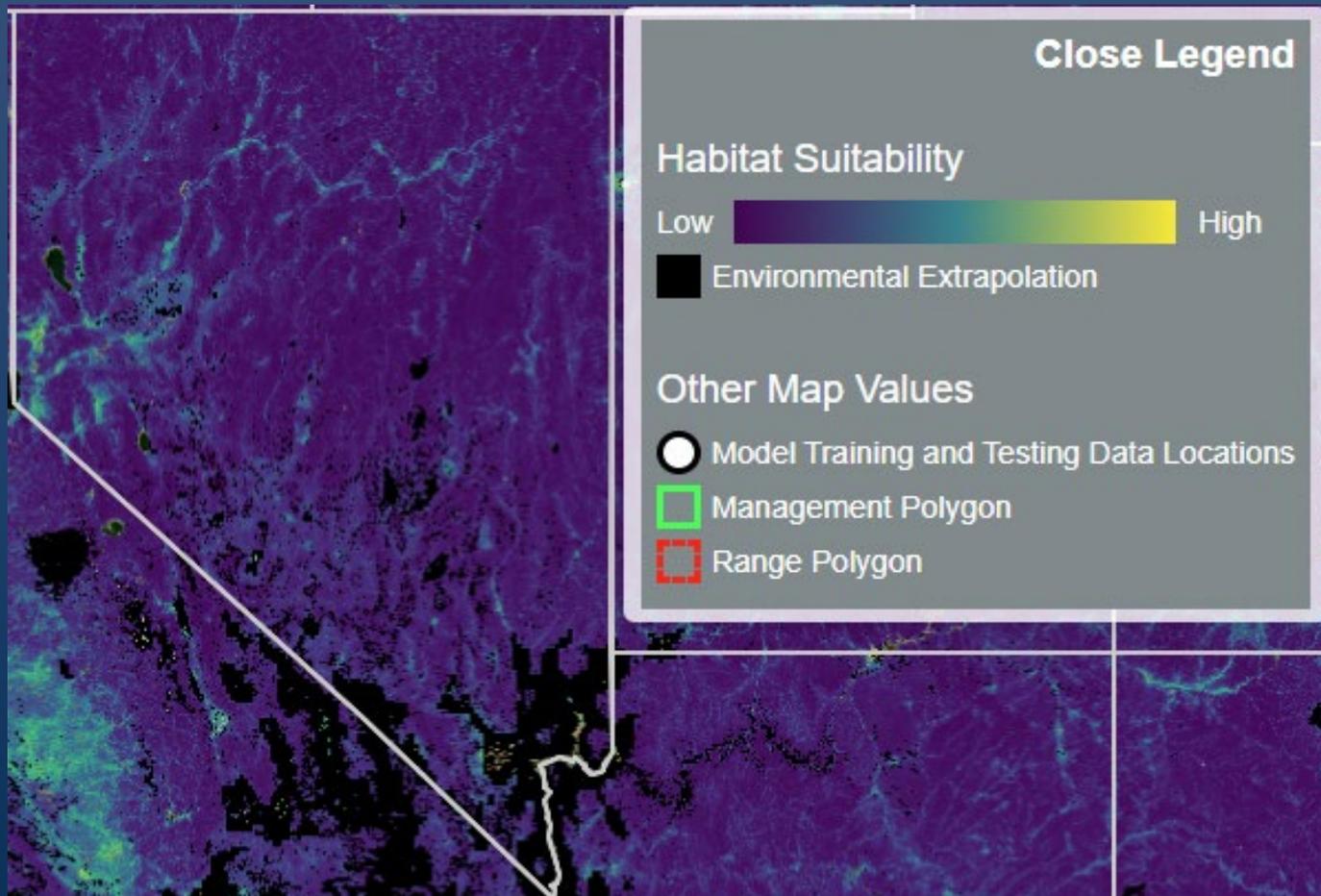
- Current distribution based on reported occurrences
- 112 positive reports in Nevada



Purple Loosestrife

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Purple starthistle

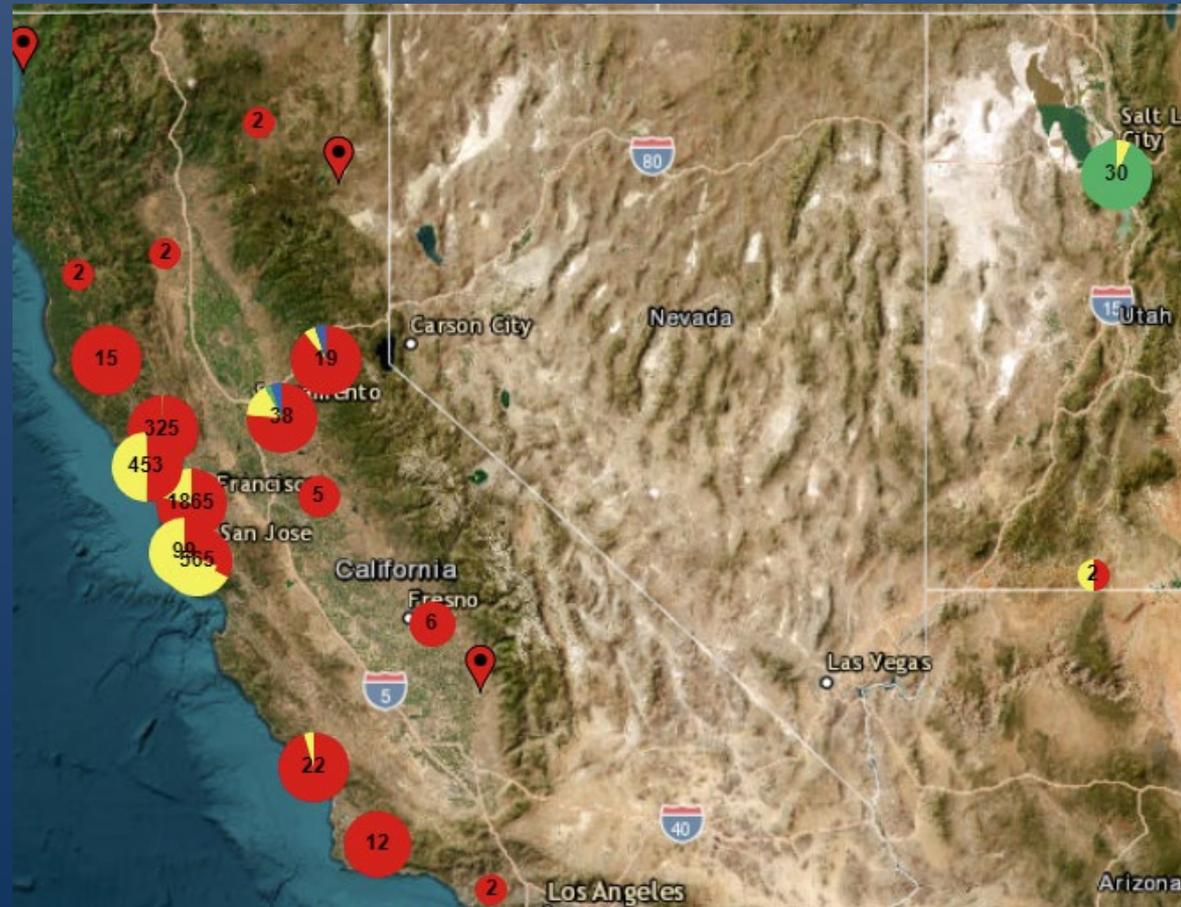
Centaurea calcitrapa



Purple starthistle

Current Distribution

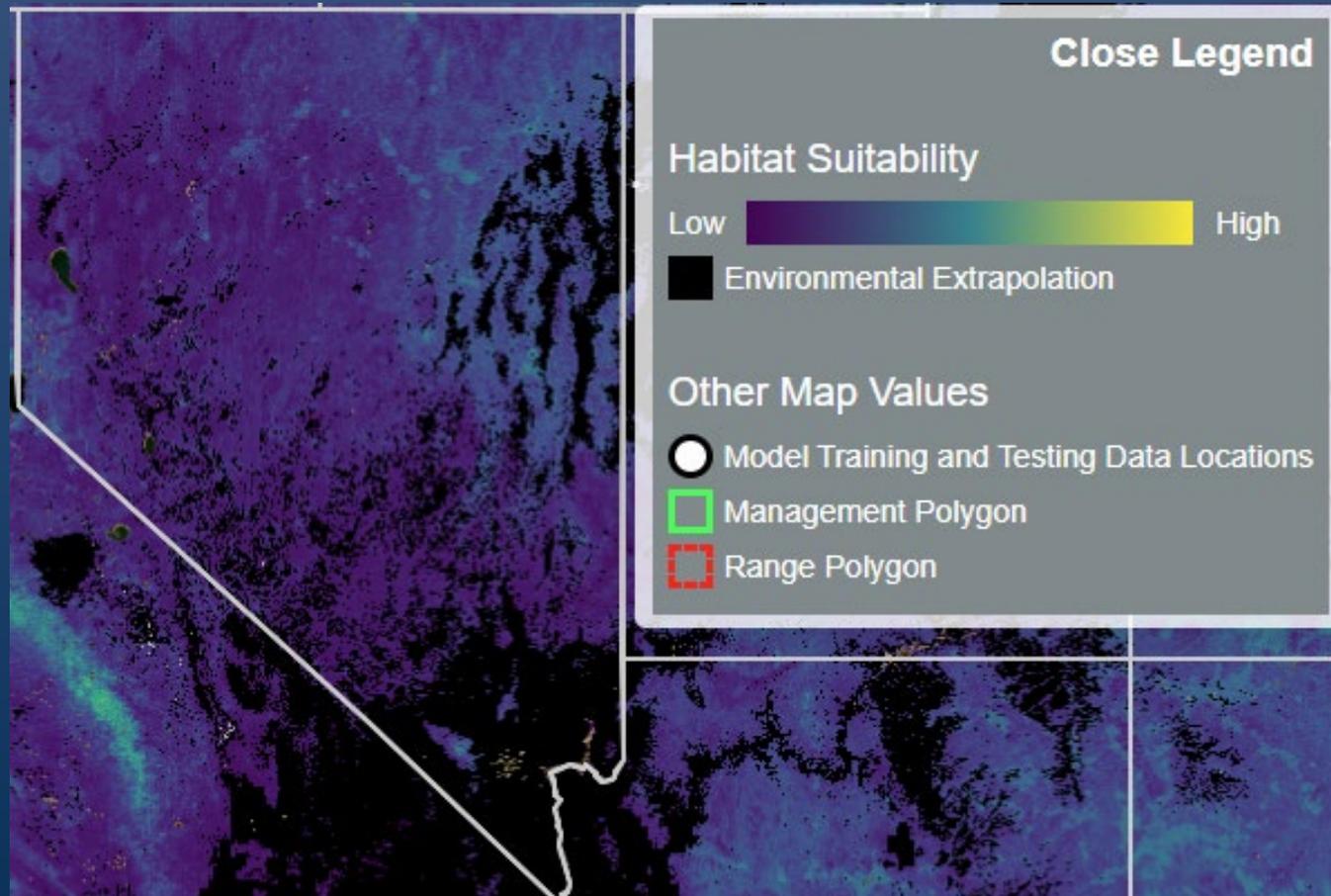
- Current distribution based on reported occurrences
- None currently observed in Nevada
- 3578 documented occurrences in California
- Herbarium records have placed a 1963 point in Elko county



Purple starthistle

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Rush skeletonweed

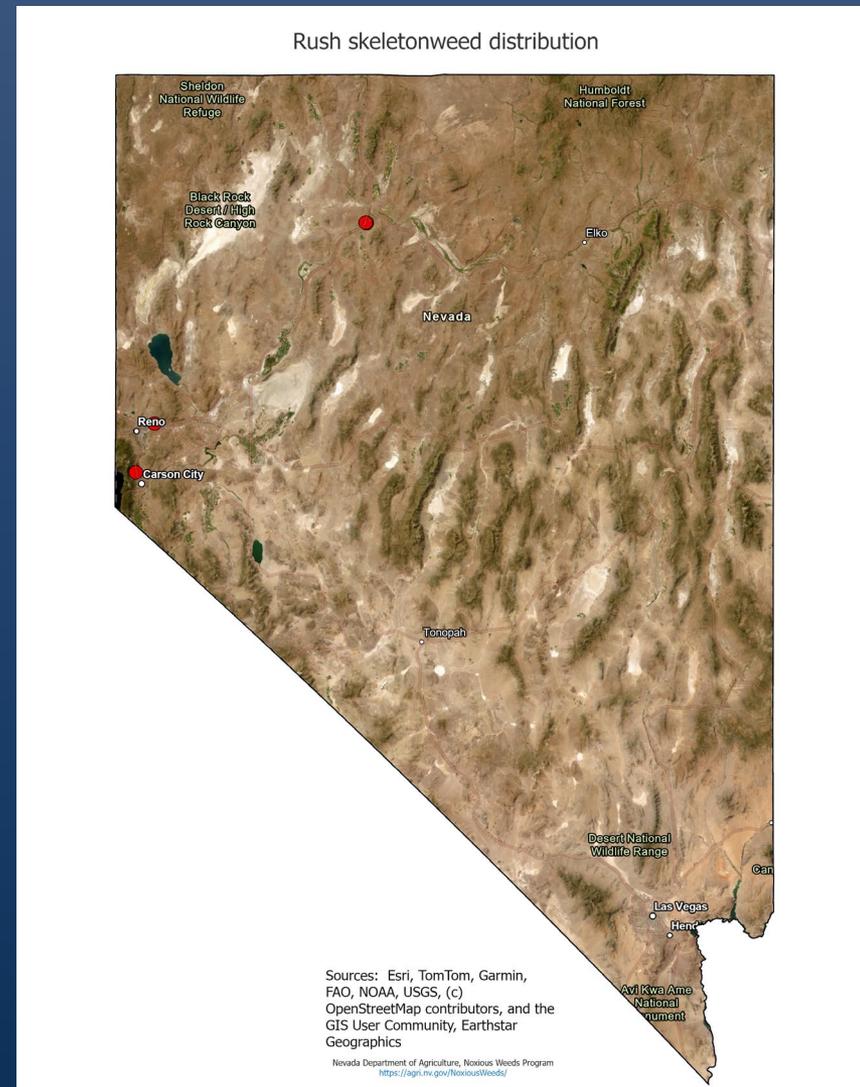
Chondrilla juncea



Rush skeletonweed

Current Distribution

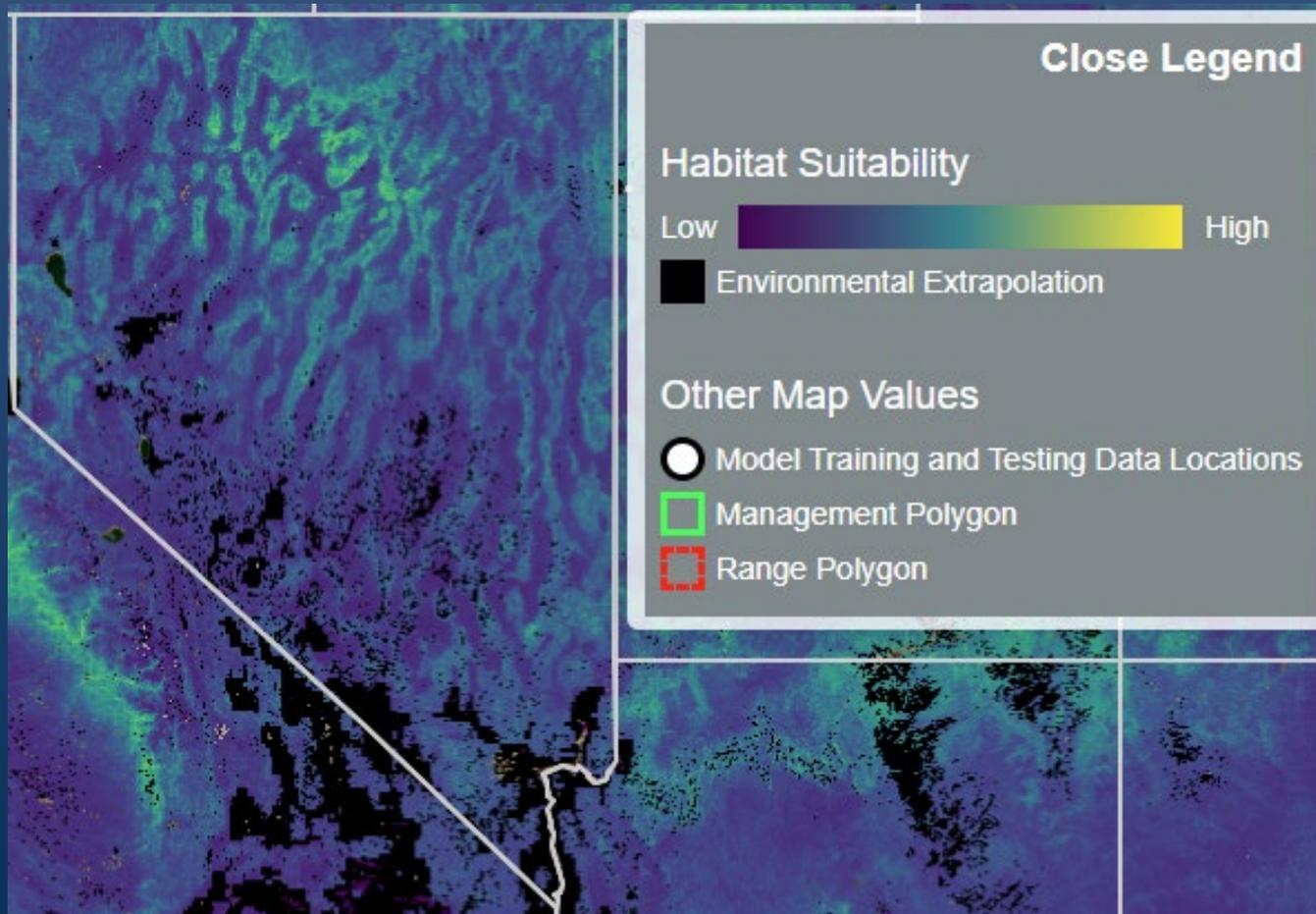
- Current distribution based on reported occurrences
- Discovered in Nevada in 2025 in three locations
- 7 positive reports in Nevada
- NDA is working with regional and federal partners towards eradication
- Herbarium records have placed it in Douglas county in 2020.



Rush skeletonweed

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Squarrose knapweed

Centaurea virgata



Squarrose knapweed

Current Distribution

- Current distribution based on reported occurrences
- 46 positive reports in Nevada
- NDA is coordinating with regional and federal partners towards eradication

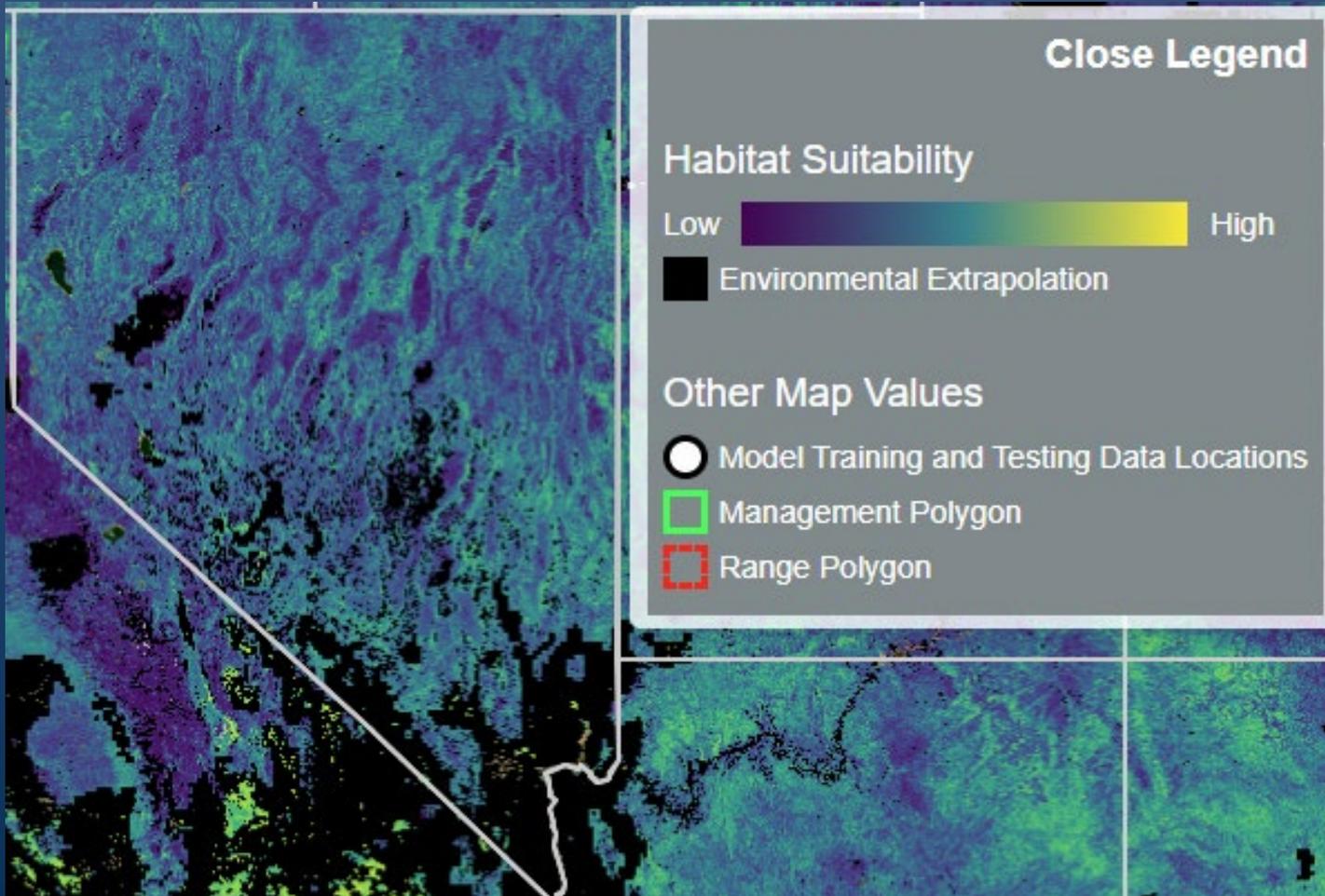
Squarrose knapweed distribution



Squarrose knapweed

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Sulfur Cinquefoil

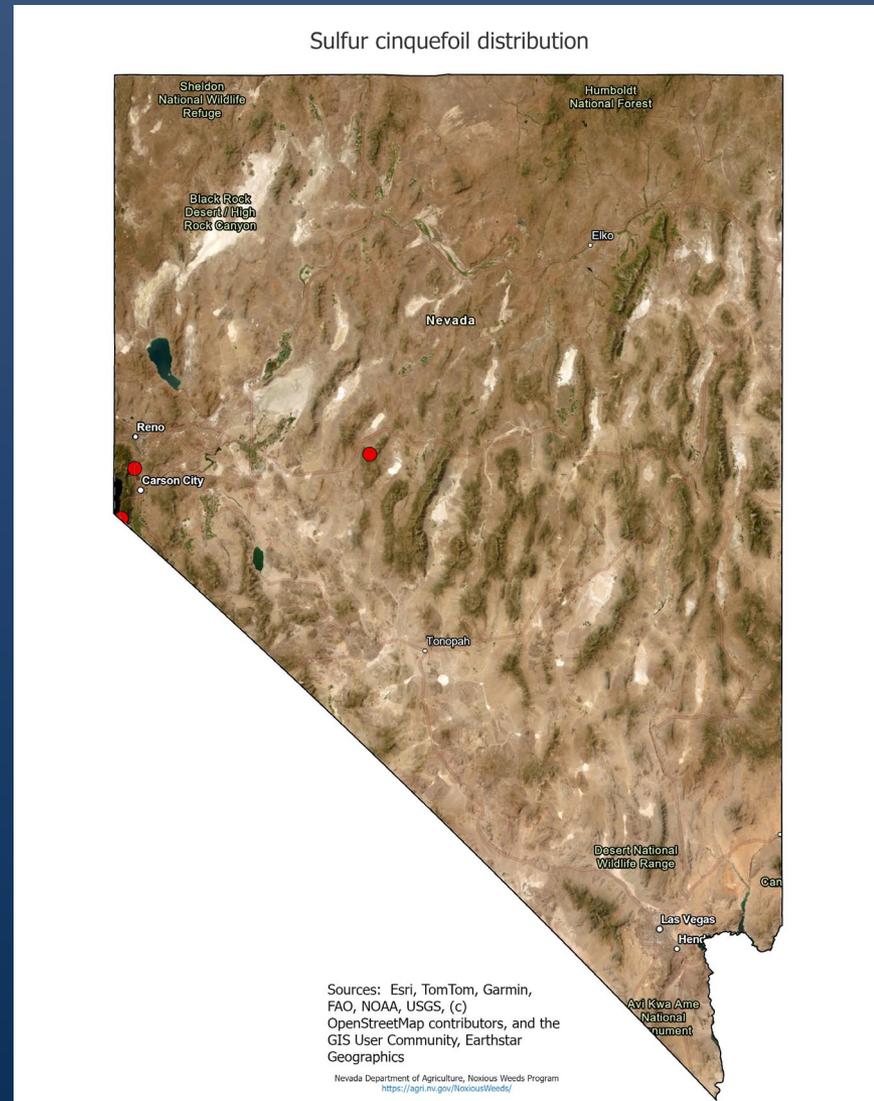
Potentilla recta



Sulfur Cinquefoil

Current Distribution

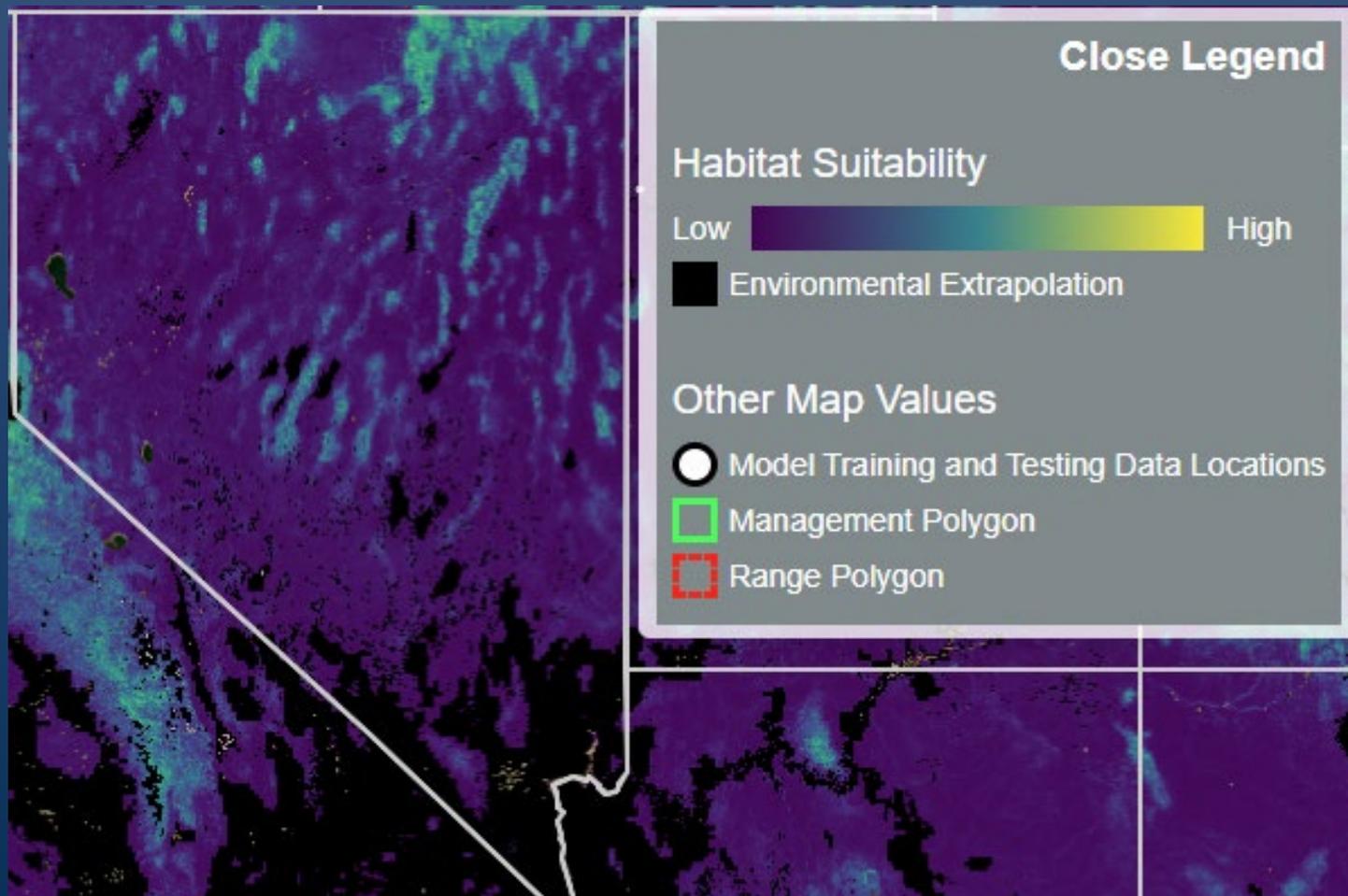
- Current distribution based on reported occurrences
- 17 positive reports in Nevada
- Herbarium records have placed it in Elko county in 2025 as well



Sulfur Cinquefoil

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Syrian Bean Caper

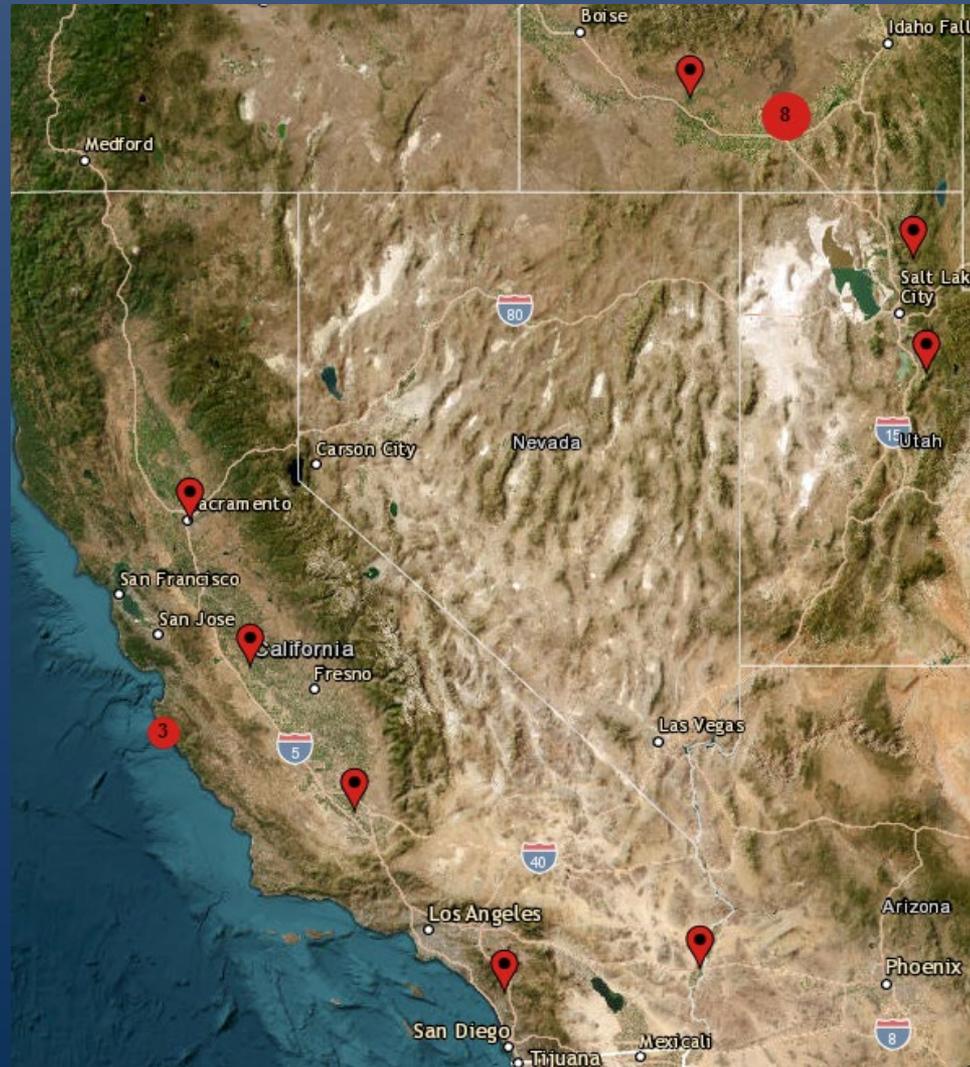
Zygophyllum fabago



Syrian Bean Caper

Current Distribution

- No documented occurrences in the state
- Herbarium records have placed it in Churchill and Pershing counties



Syrian Bean Caper

Future Distribution

- No predictive models exist for this species



Ventenata

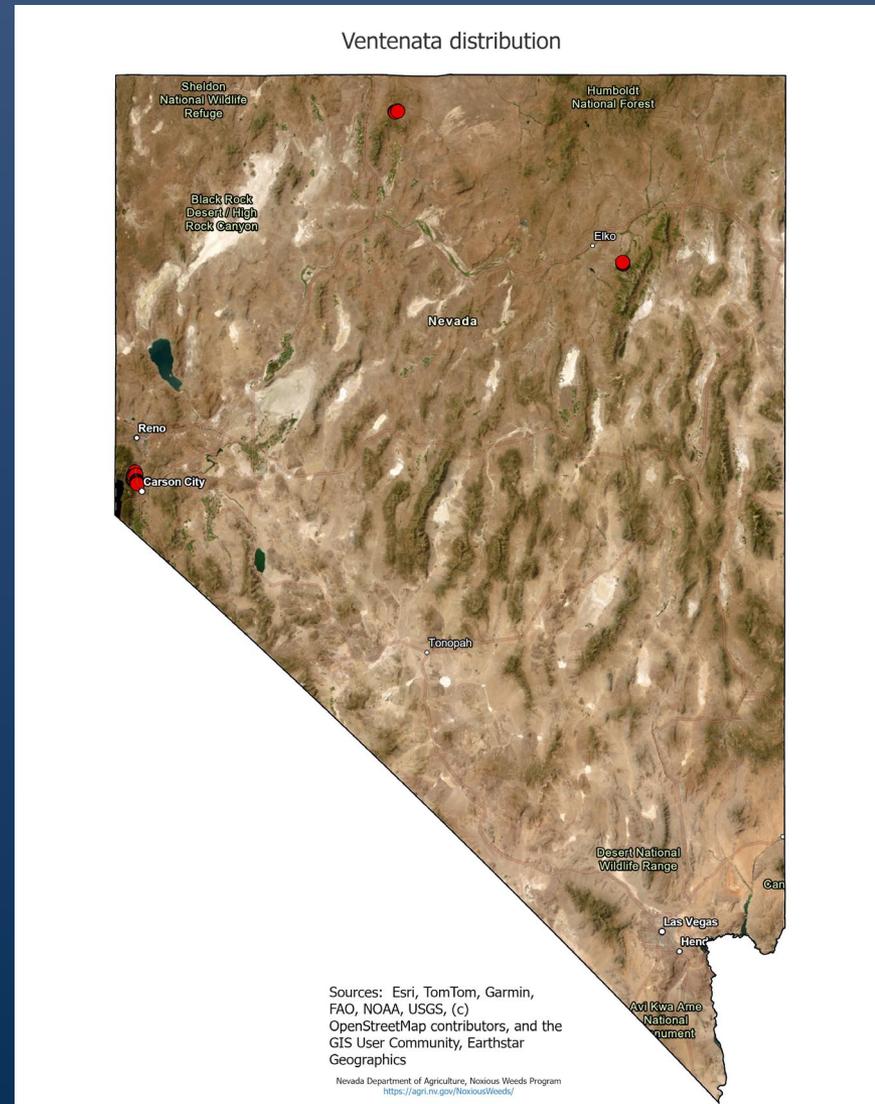
Ventenata dubia



Ventenata

Current Distribution

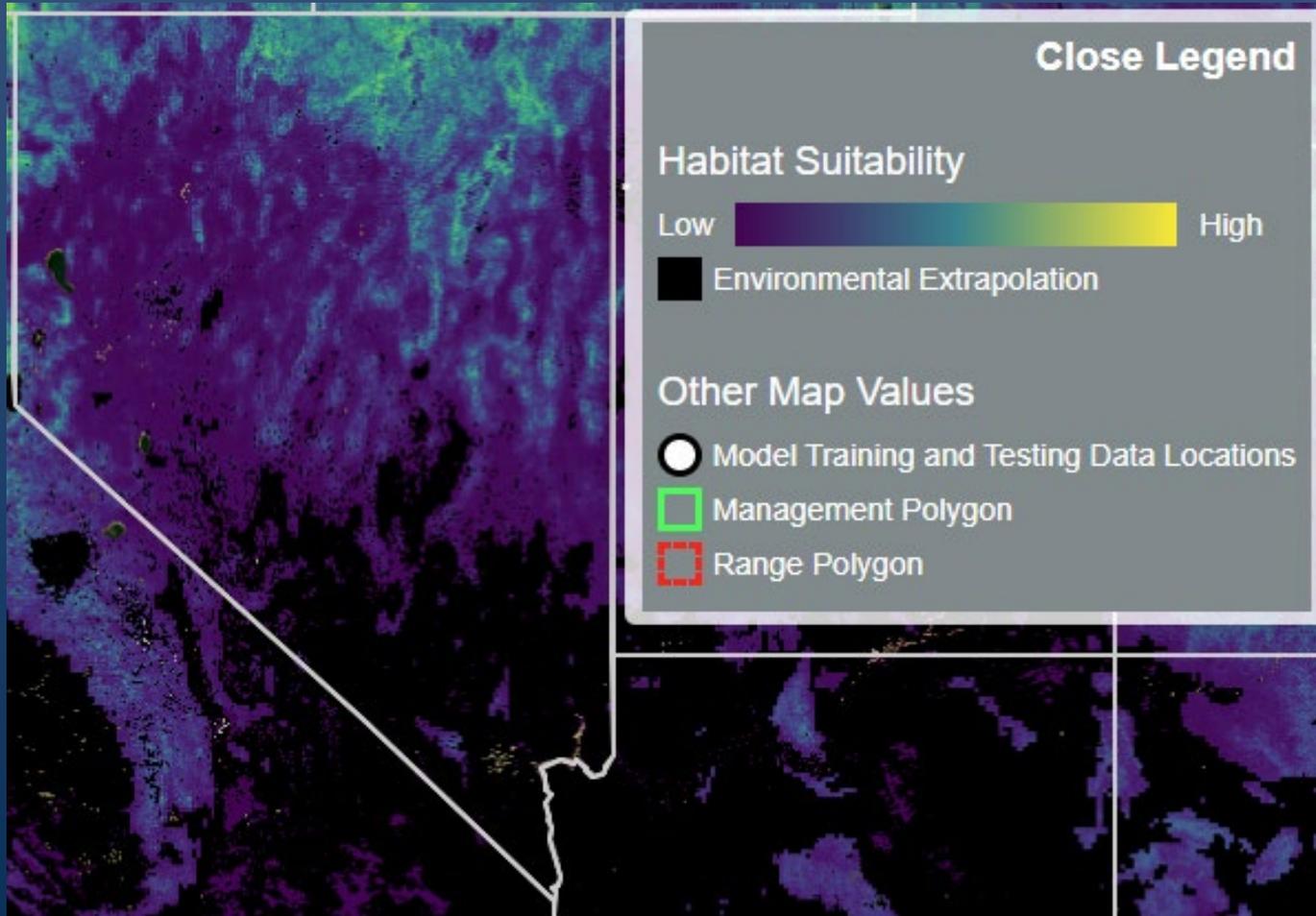
- Current distribution based on reported occurrences
- 94 positive reports in Nevada
- NDA is working towards eradication on known populations.
- Federal partners are dealing with up to 20,000 infested acres in the North-east part of the state



Ventenata

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Yellow starthistle

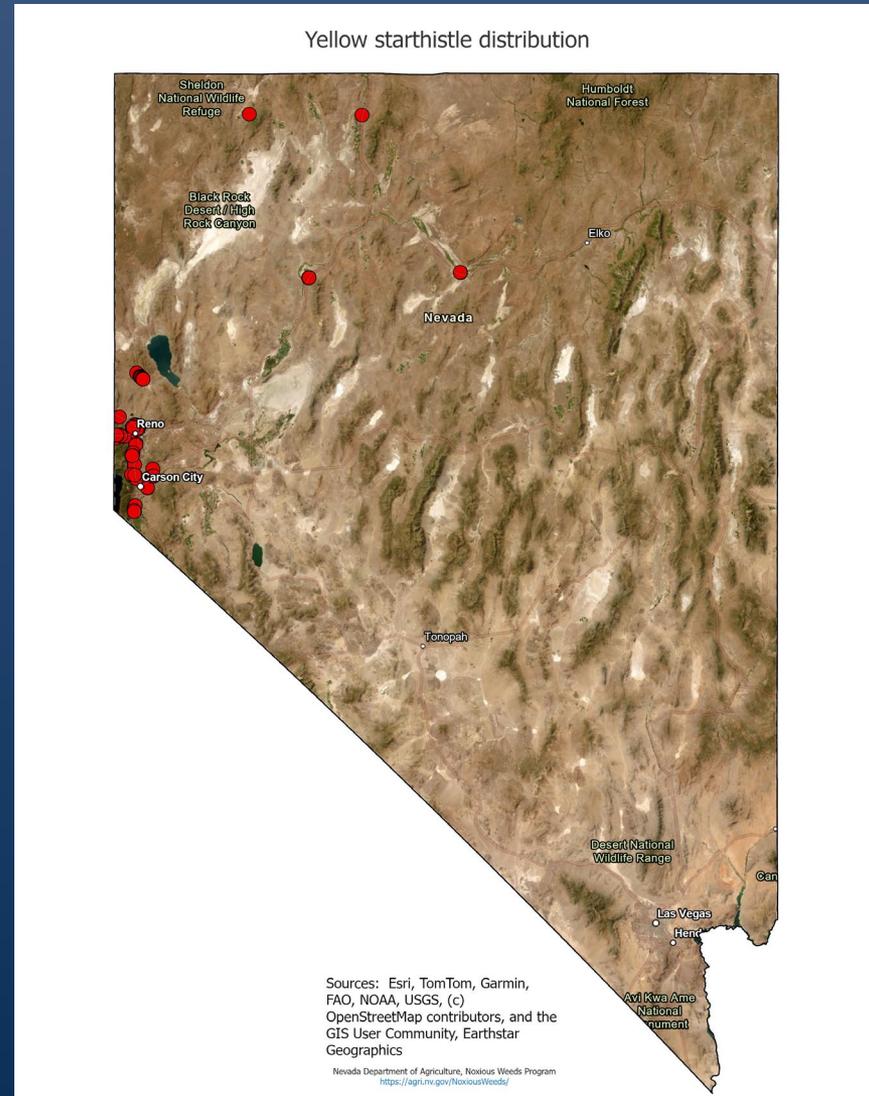
Centaurea solstitialis



Yellow starthistle

Current Distribution

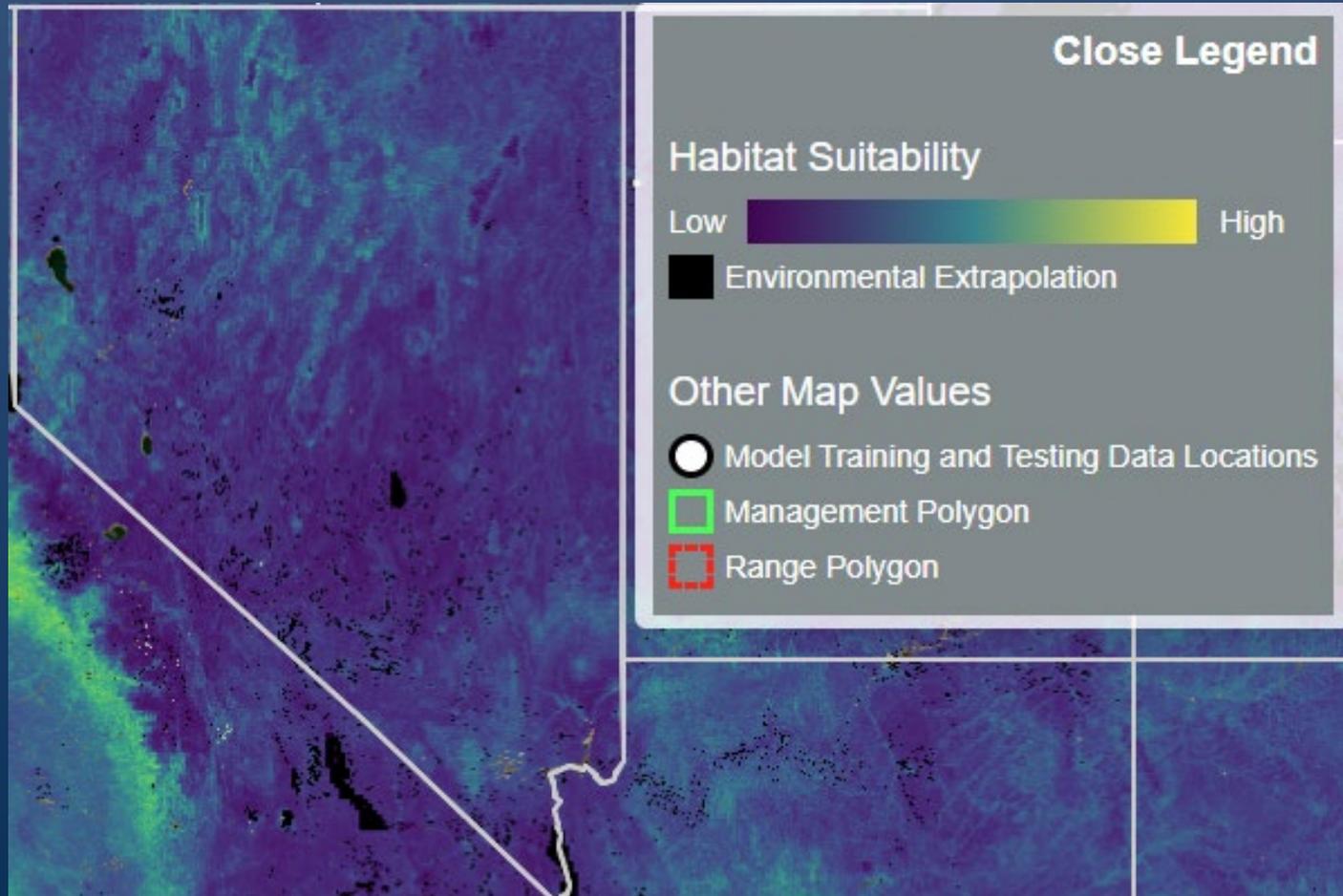
- Current distribution based on reported occurrences
- 775 positive reports in Nevada
- NDA is working towards containment in the western edge of Nevada
- Working towards eradication on other populations in the state.
- Herbarium records have placed it in Churchill county in 1929 and 1977 as well



Yellow starthistle

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Yellow toadflax

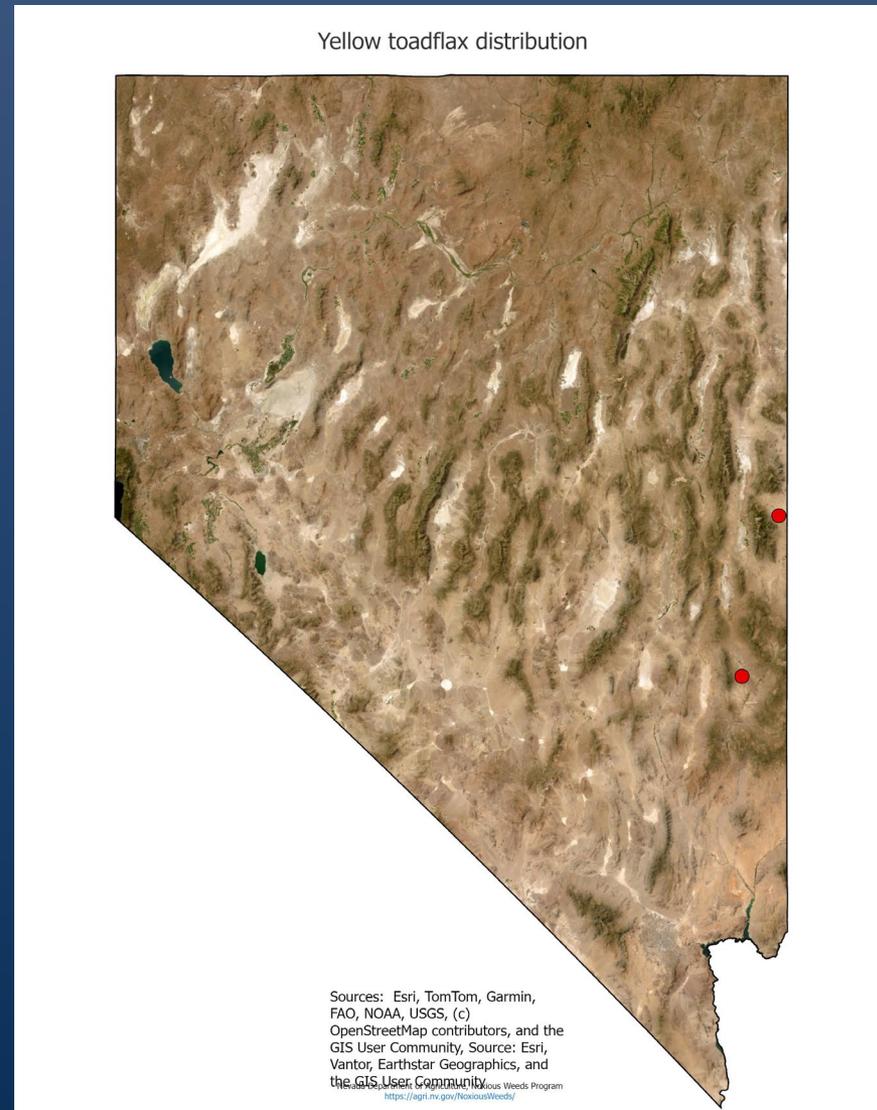
Linaria vulgaris



Yellow toadflax

Current Distribution

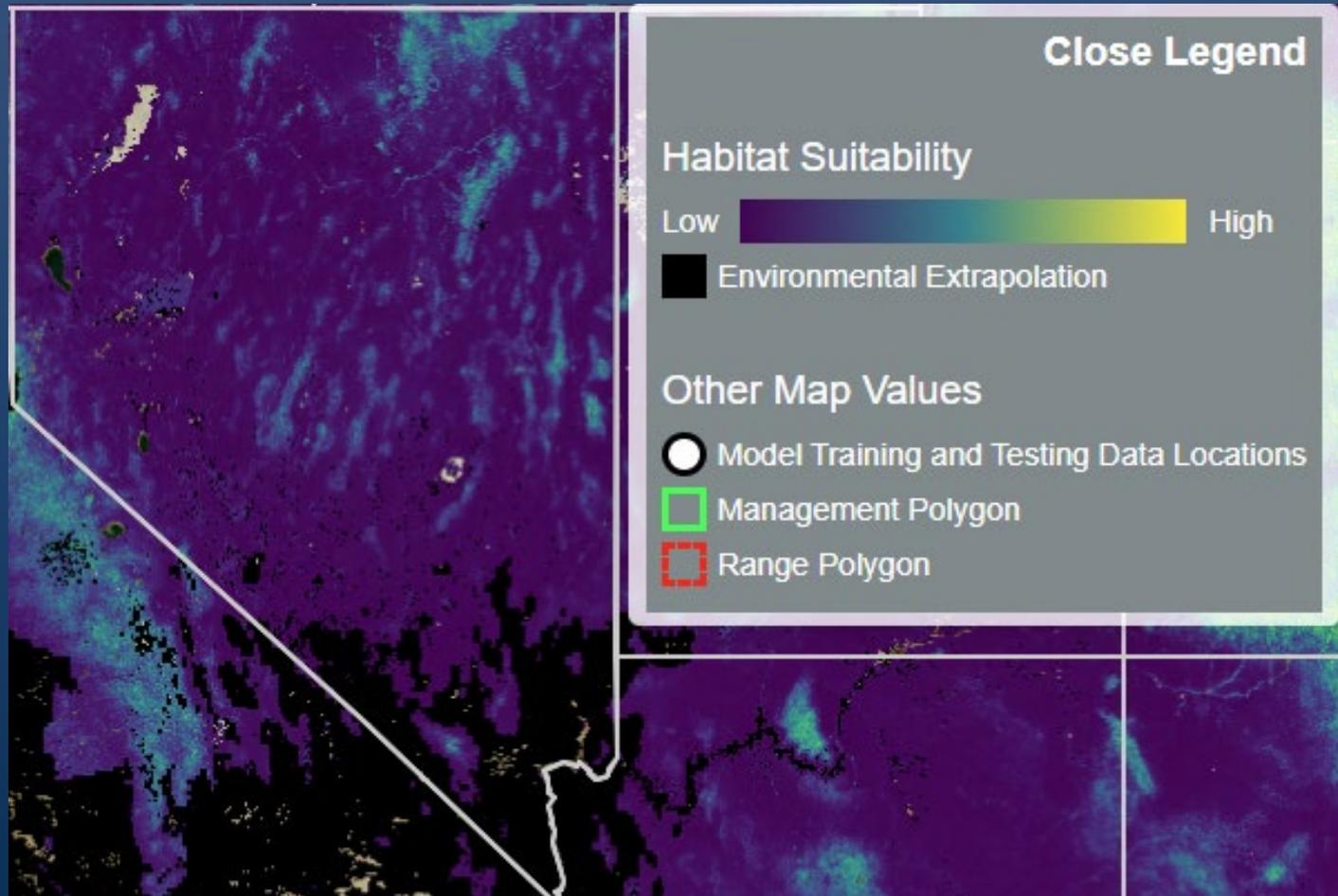
- Current distribution based on reported occurrences
- 26 positive reports in Nevada
- Herbarium records have placed it in Douglas county in 1925



Yellow toadflax

Future Distribution

- Possible future distribution based on habitat suitability and assumption of no control measures.



Sources

- EDDMapS. 2024. Early Detection & Distribution Mapping System. The University of Georgia - Center for Invasive Species and Ecosystem Health. Available online at <http://www.eddmaps.org/>; last accessed December 10, 2024
- Jarnevich, C.S., Engelstad, P., Williams, D.A., Shadwell, K.S., Reimer, C.J., Henderson, G.C., Prev y, J.S., & Pearse, I.S. (2024). INHABIT species potential distribution across the contiguous United States (ver. 4.0, June 2024): U.S. Geological Survey data release, <https://doi.org/10.5066/P14HNEJF>
- Inaturalist, 2024. Observations of Tubular Knapweed. Available online at https://www.inaturalist.org/observations?subview=map&taxon_id-497940
- Tieh, A. & J. Nachlinger. 2025. *Nevada plants: An Annotated Checklist of the State's Botanical Diversity*. Sida, Bot. Misc. 67. BRIT Press, Fort Worth Botanic Garden | Botanical research institute of Texas, U.S.A



Questions?

