

# Noxious weed survey and mapping

## NDOT Template



This document was created to assist NDOT contractors meet Special Provision Requirements listed in the section 637.01.04 Noxious Weed Management specifically the physical survey and mapping.

### Noxious weed survey

Special provision's section 637.01.04 requires a physical survey of noxious weed species to be included as part of a noxious weed management plan. The plan should state the date the survey took place and list any noxious species that were identified during the survey. Survey's may take place any time prior to the notice to proceed date. A follow up survey may be requested to determine if noxious species have emerged since the previous survey date.

The Five Basic Elements of Invasive Species Inventories:

- What species was documented?
- Where in the landscape was this species documented?
- How large was the area infested by the species documented?
- When was the information on this species infestation documented?
- Who collected the documentation of this species infestation?

Areas that will need to be included in the survey:

- The area surrounding the project site
- Material sites
- Staging areas
- Travel routes that will be used during project construction
- Any area that may be affected by project activities.

Pictures are useful in showing infestations of noxious species and their locations. Referencing the location of where the picture was taken on a map can help show if a project is likely to come in to contact with an infestation of noxious species. Pictures can also be submitted to identify unknown plants. When submitting pictures of unknown plants be sure to get a picture of the entire plant. Pictures of the flower/seed head along with photos of the leaves, stem and root system are also useful. Pictures can be submitted via email to [jvujeva@agri.nv.gov](mailto:jvujeva@agri.nv.gov).

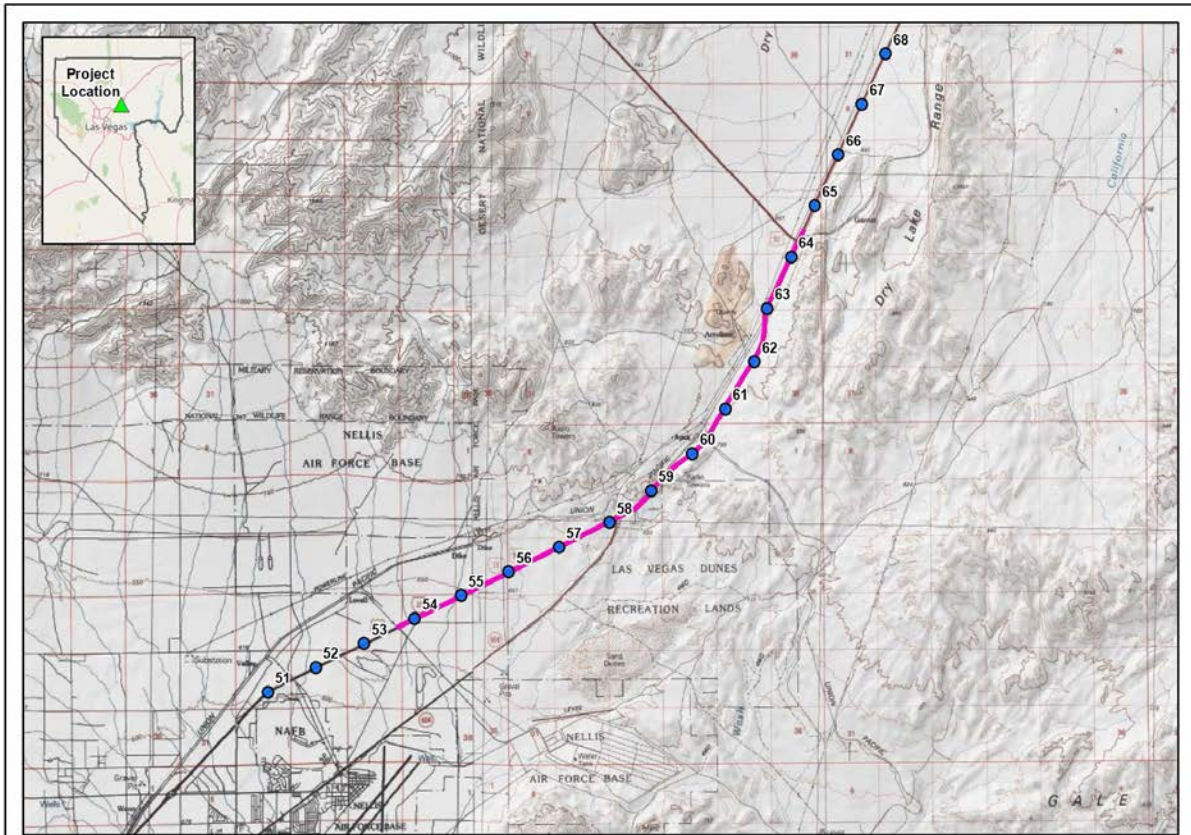
### Mapping

The primary objective of weed surveying and mapping is to identify and delineate land with populations of unwanted plants. These surveys are conducted to predict areas potentially subject to weed invasion; understand the invasion process and determine how weeds spread; develop, implement, and evaluate weed management plans; assess the economic impact of weed invasion; and increase public awareness, education, and weed management efforts. Survey information is collected and compiled into maps showing the distribution and severity of infestations.

Please see below what complete mapping would look like. Complete mapping should include:

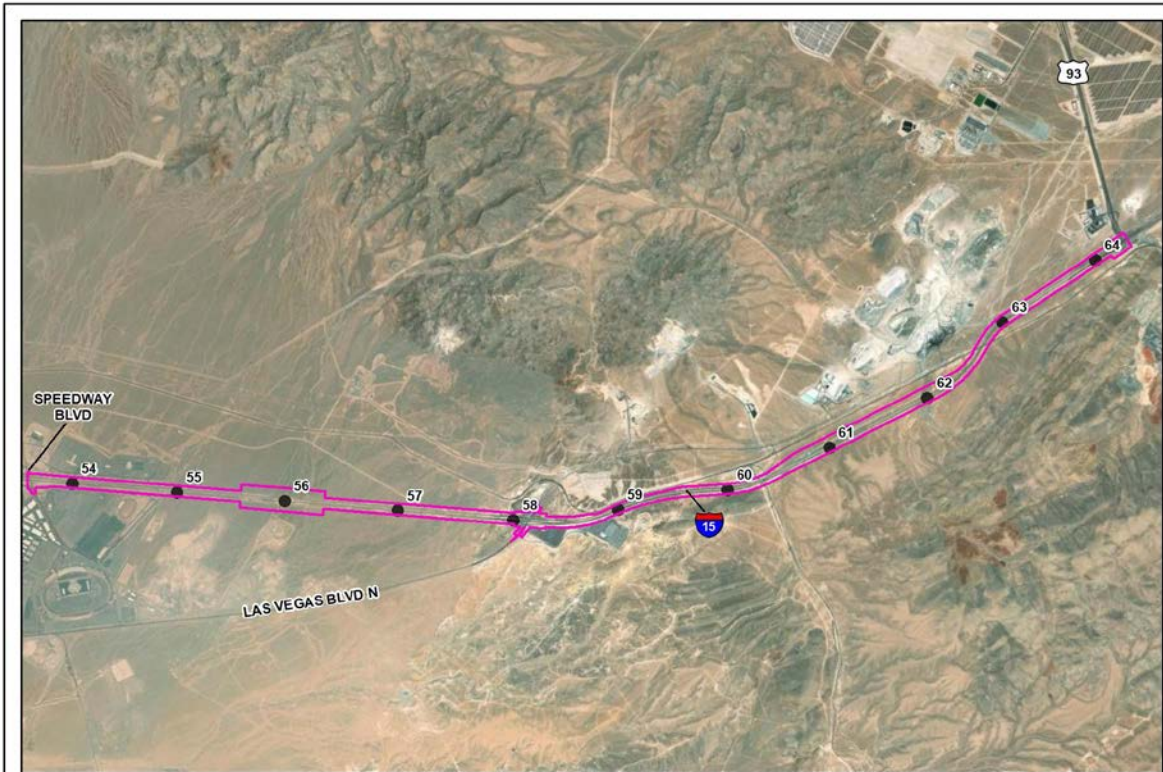
- Location of project
- Noxious weed survey area
- Noxious weed area map

### Location Map

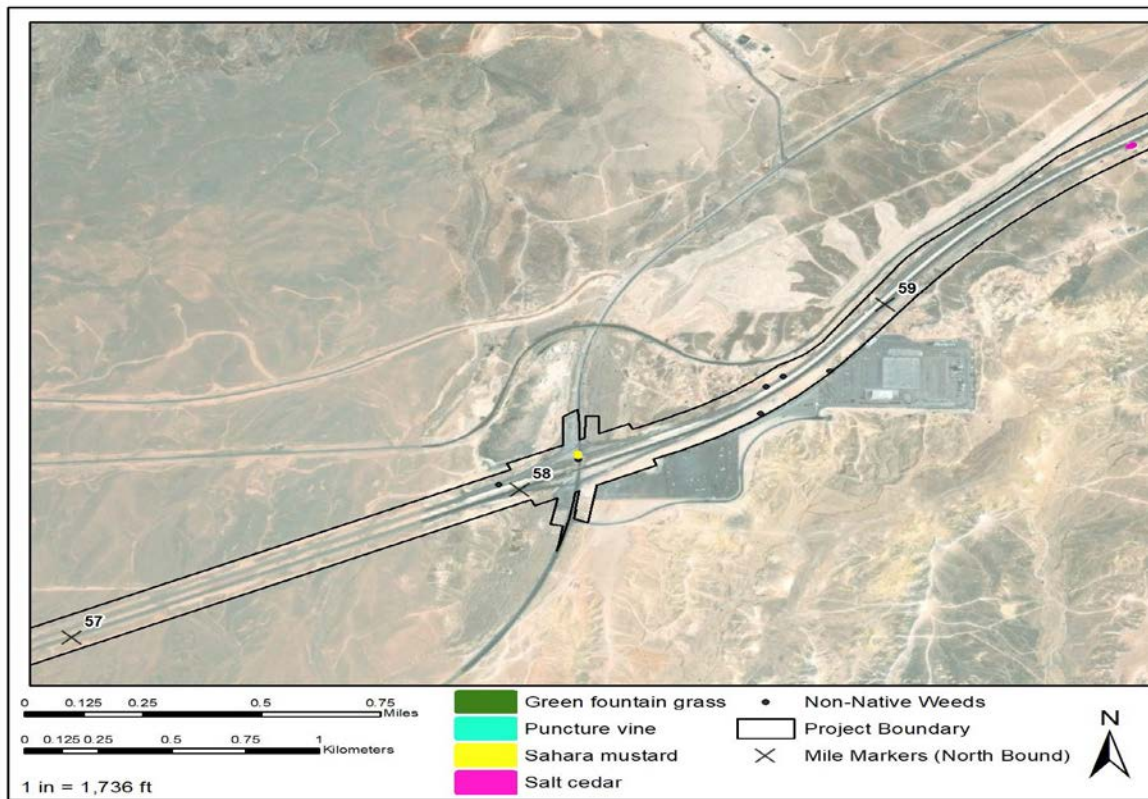




## Weed Survey Area



## Noxious Weed Map



Mapping should be at an appropriate scale to show the location of documented noxious species and their relationship to the project. When appropriate use multiple maps to show mapping details that may be required.