

Delta Tule Pea (Lathyrus jepsonii var. jepsonii)

Addendum to Appendix A:
REVISED DRAFT FWCA REPORT
of the
NAPA RIVER / NAPA CREEK FLOOD REDUCTION PROJECT
**FINAL SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT/
ENVIRONMENTAL IMPACT REPORT**

This Addendum is added to the Revised Draft FWCA Report of the Napa River / Napa Creek Flood Reduction Project because in the original work, the Delta Tule Pea (*Lathyrus jepsonii var. jepsonii*) was not discussed. Since the completion of the FWCA Report, the Delta Tule Pea has been found within the Maxwell Bridge project, and will therefore be discussed in this addendum.

The Delta Tule Pea is not listed by the State of California but is indicated as a Species of Concern by the U.S. Fish and Wildlife Service. Species of Concern are plants that are currently not listed but which may become listed in the future. It is Caltrans' policy to mitigate for Species of Concern plants that are taken as a result of project work.

The Delta Tule Pea is a native perennial herb that is endemic in California. It is mostly found in the Delta region of the Central Valley, and in salt marshes and on tidal river banks of the San Francisco Bay Region. It is a climbing plant which generally grows up through and spreads over the top of other vegetation. It is easily seen in the spring by the pink to pink-purple flowers, but is identified mainly by the large wings on the branches, the number of leaflets, and the lack of hairs on the stems and leaflets.

The location of the Delta Tule Pea within the Maxwell Bridge Project is on the east bank of the Napa River beginning at the north outside edge of the present Maxwell Bridge and extending along the river bank northward another 75 feet (see included map). The total area of the occurrence is 675 square feet. Since the Pea is growing up through shrubby plant species it is difficult to count the number of individual plants, but is estimated to be between 15 and 30 plants. (See Table 1 for a list of associate species)

About 145 feet northeast of this occurrence of Delta Tule Pea, also on the east bank of the Napa River, is the California Tule Pea (*Lathyrus jepsonii var. californicus*). The California Tule Pea is also found on the south side of the Maxwell Bridge. The only obvious difference between the two varieties is that the Delta Tule Pea is glabrous (has no hairs on the leaflets and stems) and the California Tule Pea is pubescent (has short hairs on the leaflets and stems). The California Tule Pea is more common than, and has a larger range than the Delta Tule Pea. Both species can be found in estuarine salt marshes and tidal influenced river banks, but the California Tule Pea is also found in upland habitats such as forest openings and brushy slopes.

The impacts to the Delta Tule Pea from the construction of the new Maxwell Bridge and the removal of the old bridge will completely remove this occurrence of the Pea. As a mitigation measure, the Delta Tule Pea will be replanted in the appropriate habitat within the Napa River/Napa Creek Flood Protection Project. The proposal will call for planting an area ten times the size of the removed occurrence. This would amount to a total area of 6750 square feet. Since this plant's usual habitat is on the river bank or at the edge of the marsh, the most likely planting will be in a long narrow strip or a number of shorter strips at various locations within the Napa River/Napa Creek Flood Protection Project. The 6750 square feet would equal a strip 1350 feet long by 5 feet wide. The details of the mitigation plan will be worked out at a future date in cooperation with Caltrans, the US Army Corps of Engineers, the U.S. Fish and Wildlife Service, and the California Department of Fish and Game.

Table 1. List of Plant Species associated with the Delta Tule Pea at Maxwell Bridge site.

SPECIES	COMMON NAME	PLANT FAMILY NAME	NATIVE/?
<i>Rubus ursinus</i>	Calif. Blackberry	Rosaceae	Calif
<i>Brassica nigra</i>	Black Mustard	Brassicaceae	Eur
<i>Carex barbarae</i>	Santa Barbara Sedge	Cyperaceae	Calif
<i>Foeniculum vulgare</i>	Sweet fennel	Apiaceae	s Eur
<i>Galium aparine</i>	Goose Grass	Rubiaceae	Calif
<i>Raphanus sativus</i>	Wild Radish	Brassicaceae	Medit/Eur
<i>Rosa californica</i>	Calif. Wild Rose	Rosaceae	Calif
<i>Scirpus acutus</i>	Common Tule	Cyperaceae	Calif
<i>Symphoricarpos albus laevigatus</i>	Snowberry	Caprifoliaceae	Calif