

**SPECIES CONSERVATION MEASURE RECOMMENDATIONS FOR
ACHIEVING SPECIES PRESCRIPTIONS**

Species Name: delta smelt and Sacramento splittail Date: February 8, 1999

Preparer Name and Affiliation: Matthew D. Vandenberg USFWS

Applicable NCCP Habitat Types: _____

Recommended Additional Conservation Measure
<ol style="list-style-type: none">1. Retire agricultural land in the south Delta to minimize the need for Barrier installation.2. Provide operational flexibility at the CVP/SWP to eliminate need for barrier installation in the south Delta.3. Set back levees in the south Delta to increase shallow water habitat.4. Expand IEP monitoring in the south Delta for delta smelt.5. Provide realistic incentives to landowners to allow sampling of 100% of the water diverted through agricultural diversions throughout the Delta.6. Provide realistic incentives to landowners for the consolidation and screening of diversions.7. Research feasibility to buy-out south Delta ag. interests8. Initiate implementation of the Service's "Rainbow Report" or similar documentation to provide increased water quality in the south Delta and eliminate the need for barrier installation.9. Develop and implement a management plan to reduce total salt load to the San Joaquin Valley.10. Initiate programs for desalinization to reduce Delta exports.11. Avoid using hard structures (i.e., rip rap) for bank stabilization.12. Develop and implement studies to determine if artificial substrates are used by delta smelt for spawning.13. Increase public awareness of the importance of Delta native fishes and their habitat.14. Increase public awareness of the destruction to native fish and its habitat caused by exotic species.15. The above measures may be applied to the Sacramento splittail to aid in its recovery.
Rationale and Documentation
<p>The Delta Native Fishes Recovery Plan does not include the south Delta as an area needed for the recovery of these two species. This is a big over-sight. More attention on restoring the south Delta is needed. Most have "written" south Delta off because of the affects of the pumping plants. Because the export facilities have such an effect, more work is needed to protect this valuable area.</p>

SPECIES PRESCRIPTION RECOMMENDATIONS

Species Name: Shasta snow wreath Date: 2/17/99

Reviewer Name(s) and Affiliation: Ken Fuller, U.S. Fish & Wildlife Service

Species Goal (circle one): R r m

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Recommended Species Prescription:

Shasta snow wreath (*Neviusia cliftoni*) is recommended for "m" goal status.

Justification and Documentation for Recommending the Species Prescription:

The Shasta Dam enlargement may adversely affect extant occurrences of Shasta snow wreath. All 8 extant populations occur on the selected quads for the proposed dam enlargement. The species is very limited in its distribution and is very rare in California and

SPECIES DESCRIPTION RECOMMENDATIONS

Species Name: Riparian brush rabbit/San Joaquin woodrat
Date: 10 Feb. 1999
Reviewer Name(s) and Affiliation: Laurissa Hamilton, Endangered Species Recovery Program (ESRP)
CSU Stanislaus Biology Dept. 801 W. Monte Vista Ave. Turlock CA 95382 (209) 667-3550

Species Goal (circle one): R I M

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Recommended Species Prescription:
Implementation of the recovery objectives for riparian brush rabbits and San Joaquin woodrats as outlined in US Fish and Wildlife Services Recovery Plan for upland species of the San Joaquin Valley.

Justification and Documentation for Recommending the Species Prescription:
For justification and documentation for the recommended species prescription please refer to US Fish and Wildlife Services Recovery Plan for Upland Species of the San Joaquin Valley. For additional information, please feel free to contact me at the above address or contact:
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