

Total Maximum Daily Load Progress Report

Regional Water Board	Central Valley, Region 5
Beneficial uses affected:	Aquatic Life
Pollutant(s) addressed:	Diazinon
Implemented through:	Irrigated Lands, NPDES Permits
Approval date:	October 17, 2003

Diazinon in the Sacramento and Feather Rivers

STATUS

- Conditions Improving
- Data Inconclusive
- Improvement Needed
- TMDL Achieved/Waterbody Delisted

TMDL Summary

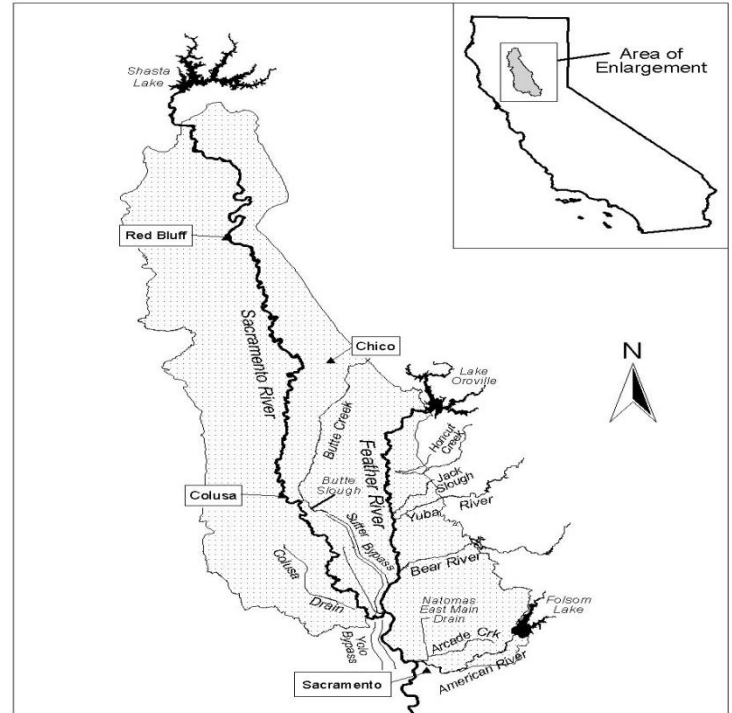
Diazinon is a pesticide that is used on crops in the Sacramento Valley. Diazinon was also used in urban areas until non-agricultural uses were cancelled by USEPA in 2004. In the early 1990's, diazinon was observed in the Sacramento and Feather Rivers at levels that are toxic to aquatic life, and these rivers were listed as impaired by Diazinon in 1994. Since then, efforts have been undertaken by a variety of agricultural dischargers and other stakeholders, researchers and regulatory agencies to reduce diazinon discharges. The Central Valley Water Board adopted a [TMDL for diazinon in the Sacramento and Feather Rivers](#) in 2003.

The TMDL established limits on concentrations of diazinon in discharges to the Sacramento and Feather River. Through the implementation of changes in agricultural practices and reduced urban use, diazinon discharges are now meeting the TMDL allocations, diazinon water quality objectives are being attained and these rivers were de-listed in 2010. The approaches used and lessons learned are helping to address other pesticides in the Central Valley.

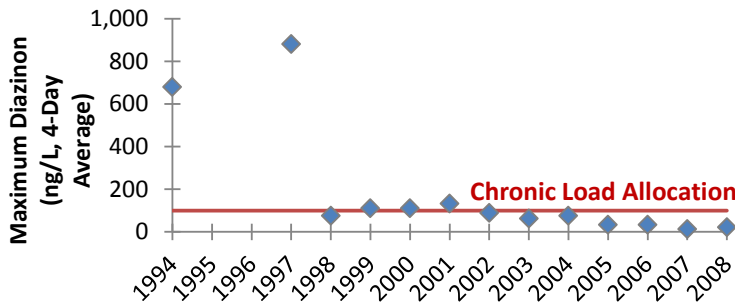
For more information, please see:

<http://epa.gov/region9/water/watershed/measurew/feather-sac/index.html>.

The Lower Sacramento and Feather Rivers



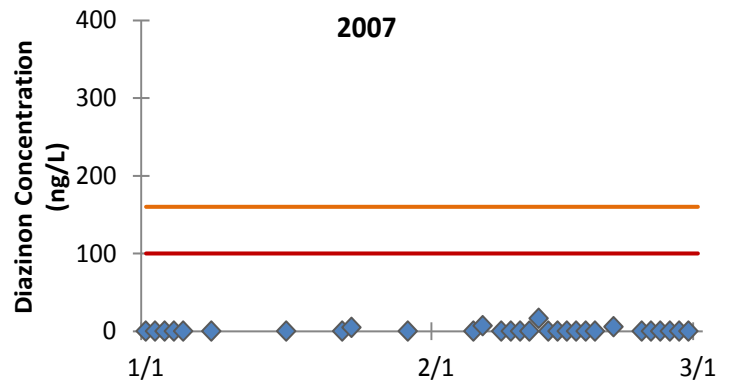
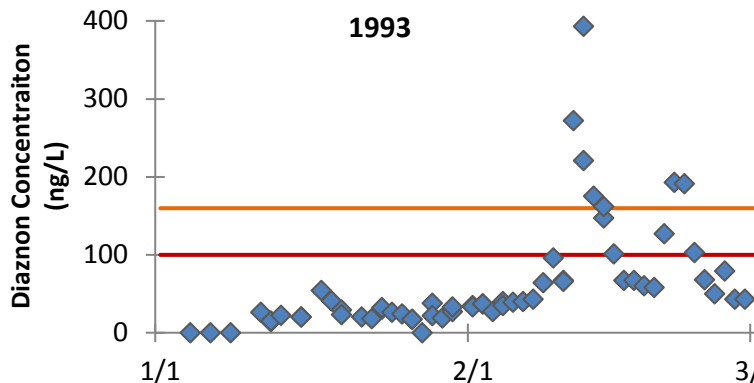
Sacramento Slough TMDL Load Allocations



Water Quality Outcomes

- The Sacramento and Feather Rivers are currently meeting water quality objectives for Diazinon and were [delisted](#) during the 2010 303(d) list update.
- The observed reductions in Sacramento River's diazinon concentrations mean significant reductions in diazinon loads entering the Delta.

Diazinon Concentrations in the Sacramento River near Sacramento



◆ Diazinon

— Acute (1-hr avg.) Water Quality Objective (160ng/L)