



#### Total Nitrogen Sources

- Geologic phosphorus from stream channels and upland areas (kg)
  - Phosphorus loads from urban land (kg)
  - Phosphorus loads from grazing cattle manure applied to pasture and range land (kg)
  - Phosphorus loads from fertilizer and livestock manure applied to crop land (kg)
  - Nitrogen and Phosphorus from wastewater treatment discharge (kg)
- 1 ● Sacramento River near Freeport
- 2 ● San Joaquin River at Vernalis
- Waste Water Treatment Facility

