



Notes:

1. Graph shows drawdown of hydraulic head in the aquifer and increase in chloride concentration for a point near the middle of the aquifer beneath the coastline.
2. Note that drawdown is logarithmic scale.
3. Pumping rate is equal to approximately 75% of groundwater discharge for non-pumping conditions.
4. Increase in chloride concentration occurs for several decades even when pumping only lasts for five years.
5. Aquifer storage coefficient 0.001



**MODEL RESULTS SHOWING TIME LAG BENEATH COASTLINE
IN RESPONSE TO PUMPING 15,000 FEET INLAND**
Nipomo Mesa Water Resource Capacity Study
San Luis Obispo County, California

Figure 20