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