# Goal

- Evaluation of potential impact of CWF on interconnected groundwater supplies in the South American Subbasin

- Evaluation of Petitioners Analysis and identification of gaps in the information presented

Available tools

- Simple analytical methods
- Complex numerical models

SCWA-48 Errata

Analytical tools

Impact of changes on stream elevation on the surrounding GW system and propagation of the hydraulic response
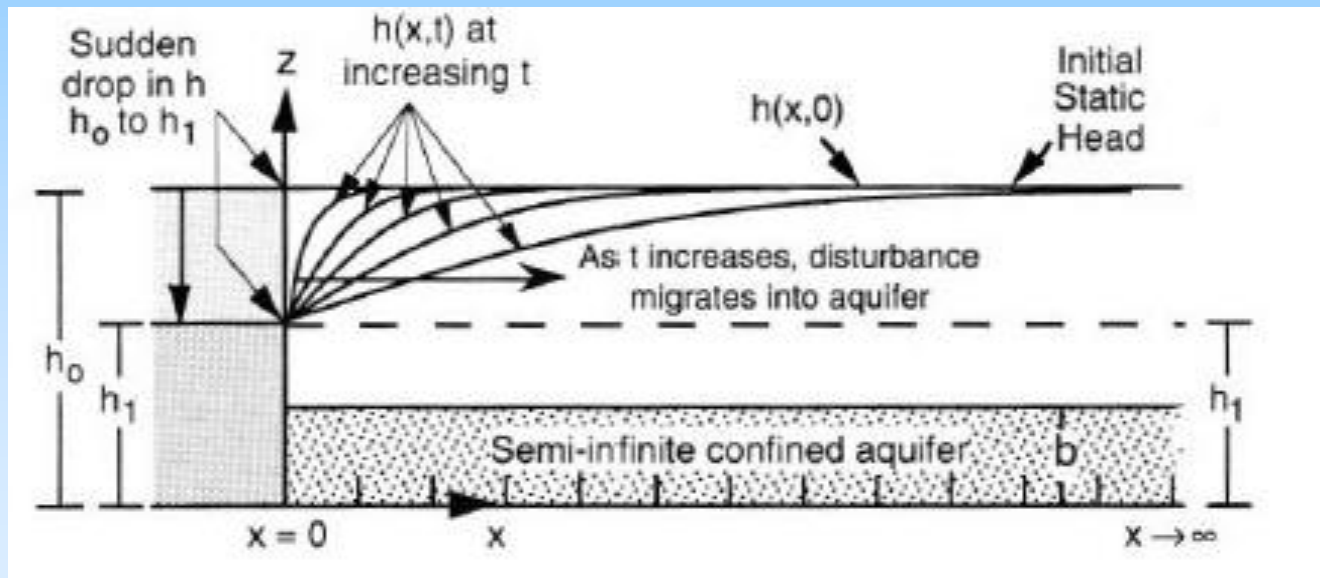
Available modeling tools

- C2VSIM: calibrated integrated SW/GW finite element model developed by DWR for the entire Central Valley. Simulation time includes the period 1921 - 2009.

- CVHM: calibrated integrated SW/GW model developed by USGS. Simulation period from 1961 – 2003 and recognized and approved by the state.

- Sac-IGSM: finite element model built on the Integrated Groundwater and Surface-Water Model (IGSM) platform. The model domain includes the area directly downstream of the diversions

- CVHM-D: refined version of the CVHM in the delta area with a grid resolution of one quarter of a mile. Additional modifications include more detailed representation of the water balance regions, streams and sloughs, and was used to simulate various scenarios of the CWF.