City of Palo Alto Shallow Groundwater Map

Map created: April 2016
Authors: B. Wendt, L. Ebert, P. Eberpacher, B. Han
Terradex, Inc.

Methodology

Contours: Depth to water (DTW) data is provided by the City of Palo Alto. The locations of wells are shown as black circles on this map. DTW in these wells, where available, is averaged in square grid cells measuring ~300 ft on each side. Spatially averaged DTW is contoured in 5 ft increments shown on map.

Hydrographs: Depth to water (DTW) data is provided by the California State Water Resources Control Board through its GeoTracker-GWMA-groundwater information system, available at http://geoTracker.waterboards.ca.gov/portal. These data are plotted in hydrographs 1-5 of right for a selection of monitored wells, which are also identified by their "Well ID" from GWMA. No attempt is made here to correct DTW data for well clear heights, which may increase DTW by a small but unknown amount.

Recharge zone: Approximate extent of recharge area between limits of the confined zone and the unconfined.
Provided by the Santa Clara Valley Water District

Flood zone: San Francisco Creek and Bay tidal floodplains mapped by FEMA.

Contaminant plumes: Areas of shallow groundwater contamination are approximated based on interpretation of data in the vicinity of the plume. When multiple water bearing bodies are impacted, the zone of impact is projected to the surface. Areas shown as points have not been delineated, and indicate more extensive areas may be impacted. Equally, a given zone does not imply that contamination will actually be encountered.