

Observations regarding water flow and availability in the Former Fort Ord area.

The observations are based on data contained in the Study of the Deep Aquifers by Marina Coast Water District Investigative Study 1994. Also various other studies and tests done in conjunction with the Army's effort to clean up of the Fort Ord Superfund Site. The observations are not based on what has been reported and will attempt to draw some additional conclusions.

For a long time there has been some confusion regarding the nomenclature of the various water layers or aquifers. Different names have been given to them dependent upon the report describing them. So to make an attempt to label them the following applies. The various aquifers are described in the SALINAS VALLEY INTEGRATED GROUND AND SURFACE WATER study

#### Upper Aquifers

Upper Aquifer

Aquifer A

Layer 1

180 foot Aquifer

Aquitard a more or less impervious clay layer that separates the one above from those below.

Depth

Aquifer B

Layer 2

400 foot Aquifer

Aquitard a more or less impervious clay layer that separates those above and those below.

Lower or Deep Aquifers: 4.6 million acre-feet of usable groundwater and estimated a recharge rate of 65,500 acre-feet per 950-2000 feet. Geologic deposit of Pliocene-aged sediments (5.332 million to 2.588 million years before present)

Upper Deep

Layer 3

Paso Robles Formation

**Source of Fort Ord** water. Marina Coast Water District well No 32

Source of Marina Coast Water District wells No.s 10 and 11

extractions from the Paso Robles Formation also appear to be primarily supported by leakage from the overlying shallow aquifer system.

Aquitard of unknown composition that separates the above from the layer below

Layer 4

Lower Deep

Purisima Formation

Source of Marina Coast Water District well #12

Recharge for the Purisima Formation(well 12) is primarily leakage from overlying aquifers.

Water allocations:

Marina Coast Water District for non Fort Ord customers: 2400 Acre/ft per year. Actually pumped approx 2,000 Acre ft/yr

Marina Coast Water District specifically for Fort Ord allocated to US Army: 4200 Acre/ft per year. Actually pumped?

All three of MCWD wells show a similar water level history: a rapid decline as local storage is depleted, then a stabilization as extractions equilibrate with leakage.