

# CONSUMER CONFIDENCE REPORT 2010

## FOR SAN JOAQUIN COUNTY WATER SYSTEMS

**Water System Name:** Walnut Acres Water System

**Report Date:** 07/11

**Type of Water Source(s) in Use:** Groundwater wells

**Name of Source(s) in Use:** Well #1, 2

**Drinking Water Source Assessment Information:** A source water assessment for the well of the Walnut Acres PWS water system was completed in July 2002. The source is considered most vulnerable to the following activities associated with contaminants detected in the water supply: There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source. The source is considered most vulnerable to the following activities not associated with any detected contaminants: Housing (High density), Storm water detention facilities, Wells (water supply).

**Table #1: Sampling Results Showing Detection of Coliform Bacteria 0.**

MICROBIOLOGICAL CONTAMINANTS	HIGHEST NO. of DETECTIONS	NO. of MOS. in VIOLATION	MCL	MCLG	TYPICAL SOURCE OF BACTERIA
Tot. Coliform Bacteria	1 (highest in month)	0	> 1	0	Naturally present in environment
Fecal Coliform and <i>E. coli</i>	0 (year total)	0	> 1	0	Human and animal fecal waste

**Table #2: Sampling Results Showing Detection of Lead and Copper**

LEAD and COPPER	NO. of SAMPLES	90 <sup>TH</sup> Percentile LEVEL	NO. SITES > AL	AL	MCLG	TYPICAL SOURCE OF CONTAMINANT
Lead (ppb)	5	1.5	0	15	2	Internal corrosion of household water plumbing systems; discharge from industrial manufacturers; erosion of natural deposits
Copper (ppb)	5	472	0	1300	170	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives

**Table #3: Sampling Results Showing Detection of Sodium and Hardness**

CHEMICAL OR CONSTITUENT	SAMPLE DATE	LEVEL DETECTED	RANGE OF DETECTIONS	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Sodium (ppm)	2009	23	19–27	none	none	Generally found in ground and surface water
Hardness (ppm)	2009	245	204–286	none	none	Generally found in ground and surface water

**Table #4: Detection of Contaminants with a PRIMARY Drinking Water Standard**

CHEMICAL OR CONSTITUENT	SAMPLE DATE	LEVEL DETECTED	RANGE OF DETECTIONS	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Gross Alpha Activity (pCi/L)	2008	3.51	1.73–6.07	15	N/A	Erosion of natural deposits
Radium 228 (pCi/L)	2006	0.31	0.12–0.60	5	N/A	Erosion of natural deposits
Uranium (pCi/L)	2008	4.42	0.77–9.63	20	N/A	Erosion of natural deposits
Arsenic (ppb)	2009	2	2–2	10	N/A	Erosion of natural deposits; run-off from orchards; glass and electronics production wastes
Barium (ppb)	2009	181	152–210	1000	2	Oil drilling and metal refinery waste discharge; erosion of natural deposits
Chromium (ppb)	2009	6.0	5–7	50	2.5	Discharge from steel & pulp mills & chrome plating; erosion of natural deposits
Lead (ppb)	2009	0.3	0.2–0.4	50	2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Nickel (ppb)	2006	2.5	2–5	100	100	Erosion of natural deposits; discharge from metal factories
Nitrate (ppm)	2010	26.4*	22.5 – 30.1	45	45	Run-off and leaching from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Selenium (ppb)	2009	1	ND–2	50	50	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; run-off from livestock lots (feed additive)
Turbidity (units)	2009	0.2	ND–0.4	5 units	N/A	Soil run-off

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Turbidity (units)	2009	0.2	ND–0.4	5 units	N/A	Soil run-off