Stonyford Town Area Groundwater Basin

- Groundwater Basin Number: 5-63
- County: Glenn, Colusa
- Surface Area: 6,440 acres (10 square miles)

Basin Boundary and Hydrology

The Stonyford Town Area Groundwater Basin consists of Quaternary stream terrace deposits and may be bounded on several sides by faulting of the Stony Creek Fault System. The basin is bounded to the west by Mesozoic Franciscan volcanic and metavolcanic rocks, to the north by metasedimentary rocks of the Franciscan Formation and Mesozoic ultrabasic intrusive rocks, and to the south and east by Mesozoic ultrabasic intrusive rocks and the Knoxville Formation (Jennings 1960). Annual precipitation ranges between 21- to 23-inches.

Hydrogeologic Information

Hydrologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

Groundwater Budget (Type B)

The estimate of groundwater extraction for the Stonyford Town Area Basin is based on a1993 survey conducted by the California Department of Water Resources. The survey included land use and sources of water. Groundwater extraction for municipal and industrial uses is estimated to be 35 acre-feet. Deep percolation of applied water is estimated to be 400 acre-feet.

Groundwater Quality

Water Quality in Public Supply Wells

Constituent Group[1]	Number of wells sampled[2]	Number of wells with a concentration above an MCL[3]
Inorganics – Primary	2	0
Radiological	2	0
Nitrates	2	0
Pesticides	2	0
VOCs and SVOCs	2	0
Inorganics – Secondary	2	0

[1] A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in *California's Groundwater – Bulletin 118* by DWR (2003).
[2] Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.
[3] Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the

types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

Well Characteristics

	Well yields (gal/min)	
Irrigation	NKD	
	Total depths (ft)	
Domestic	Range: 30 – 220	Average: 108 (40 Well Completion Reports)
Irrigation		76 (1 Well Completion Report)

NKD – No Known Data

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
	Miscellaneous water quality	NKD

NKD – No Known Data

Basin Management

Groundwater management:	Glenn County adopted a groundwater management ordinance in 2000. Colusa County adopted a groundwater management ordinance in 1998.
Water agencies	
Public	
Private	

Selected References

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Errata

Changes made to the basin description will be noted here.