

Attachments

Attachment 1

Tablulated Livestock Information by County

Attachment 1, Table A: Milk Cows (Head) by County

Year	County																		
	Butte	Colusa	Fresno	Glenn	Kern	Kings	Madera	Merced	Placer	Sacramento	San Joaquin	Shasta	Solano	Stanislaus	Sutter	Tehama	Tulare	Yolo	Yuba
1975	2,300	700	48,600	9,500	26,900	50,000	13,200	64,600	800	14,800	52,400	700	1,000	80,400	700	3,500	86,800	500	1,700
1976	2,100	900	48,000	11,100	32,200	41,800	14,500	70,300	700	16,400	53,600	1,000	2,400	87,700	800	4,900	89,600	400	1,900
1977	2,100	700	51,000	12,200	28,600	40,600	12,800	68,200	700	18,500	56,200	1,000	1,500	83,400	800	4,200	89,800	400	1,900
1978	2,200	500	50,500	13,500	25,800	43,000	13,600	73,400	800	20,000	53,200	900	1,600	86,300	700	4,800	102,200	400	2,500
1979	2,200	500	51,000	14,300	22,000	44,500	14,500	78,000	400	21,800	60,000	800	1,200	91,000	1,200	4,800	104,000	300	1,200
1980	2,200	500	53,500	13,000	21,000	50,000	16,000	79,000	450	24,000	59,000	1,000	1,200	94,000	1,000	3,000	104,500	400	1,400
1981	1,900	500	51,500	13,500	20,000	51,000	16,500	82,000	450	21,400	59,000	1,300	1,100	102,000	1,400	3,100	114,000	500	1,400
1982	1,700	500	54,700	13,700	20,000	56,000	17,000	90,000	450	21,600	61,000	1,300	1,100	107,000	1,500	3,100	115,000	400	1,700
1983	1,400	600	54,000	13,300	19,000	58,000	16,000	91,000	550	20,000	59,000	1,300	1,300	104,000	1,300	3,100	121,000	400	1,600
1984	1,500	600	51,000	12,600	18,000	59,000	18,000	98,000	550	21,200	66,000	1,200	1,600	102,000	1,100	3,400	126,000	500	1,200
1985	1,500	600	52,000	13,100	18,000	68,000	20,000	103,000	600	23,500	67,000	1,500	1,700	108,000	1,100	3,800	132,000	500	1,200
1986	1,600	700	53,000	15,000	19,000	78,000	21,000	108,000	400	25,000	69,000	1,600	1,700	113,000	1,200	3,900	147,000	1,200	1,700
1987	1,400	700	53,000	14,000	19,000	76,000	22,000	109,000	700	25,000	66,000	1,650	1,500	110,000	1,200	3,500	154,000	1,200	1,500
1988	1,400	700	53,000	13,100	18,000	76,000	23,000	109,000	700	26,000	64,000	1,650	1,400	111,000	1,400	3,500	165,000	1,000	1,500
1989	1,400	700	55,000	13,000	17,000	77,000	21,000	110,000	1,000	27,000	65,000	1,750	1,500	111,000	1,500	3,500	178,000	900	1,500
1990	1,300	600	59,000	12,900	20,000	77,000	20,000	113,000	750	26,000	66,000	1,600	1,700	114,000	1,300	4,000	185,000	800	1,400
1991	1,400	700	63,000	13,200	23,000	79,000	21,000	116,000	600	25,200	69,000	1,500	2,000	119,000	1,300	4,800	199,000	800	1,600
1992	1,200	600	66,000	13,000	26,000	79,000	20,000	119,000	500	24,000	70,000	1,400	2,100	121,000	1,100	5,300	206,000	800	1,600
2001	1,000		85,000	15,500	72,000	127,000	45,000	212,000		17,000	101,000		1,500	157,000		5,500	376,000	1,800	3,500
2002	800		88,000	15,700	78,000	132,000	48,000	221,000		17,000	105,000		1,500	164,000		5,500	394,000	2,000	3,500
2003	1,300		91,000	17,400	77,000	141,000	49,000	226,000		18,500	105,000	500	4,000	165,000		5,500	420,000	2,000	3,300
2004	1,000		92,000	17,900	88,000	146,000	53,000	225,000		18,000	106,000	500	4,000	173,000		5,300	433,000	2,000	3,300
2005	700		96,000	18,400	121,000	163,000	64,000	238,000		17,800	104,000		4,100	178,000		4,500	443,000	2,000	3,300
2006	500		113,400	17,800	139,200	156,300	67,600	241,500		17,400	106,100		4,100	185,100		5,500	454,400	2,100	3,300
2007			109,500	16,600	154,500	166,000	68,000	245,000		15,800	104,000		4,000	182,000		4,700	468,500	2,300	3,000
2008			118,600	17,700	169,500	175,500	75,300	258,200		16,200	109,500		4,100	183,400		3,800	472,700	2,300	3,100
2009			117,900	18,900	173,100	180,100	78,200	260,300		16,300	109,000		4,300	179,600		3,900	483,500	2,200	3,000

Attachment 1, Table B: Beef Cows (Head) by County

Year	County																		
	Butte	Colusa	Fresno	Glenn	Kern	Kings	Madera	Merced	Placer	Sacramento	San Joaquin	Shasta	Solano	Stanislaus	Sutter	Tehama	Tulare	Yolo	Yuba
1975	19,100	8,400	30,600	18,000	46,200	2,500	41,200	53,400	11,700	28,800	45,400	18,100	12,400	56,600	6,800	39,900	47,200	11,800	22,100
1976	16,200	9,300	33,700	18,400	50,000	2,900	33,500	58,500	12,100	26,800	49,800	19,900	13,500	42,400	6,800	35,500	31,700	11,600	18,800
1977	17,600	8,900	33,700	17,800	50,400	3,100	33,700	58,000	11,700	27,500	49,300	18,900	12,900	41,600	6,300	35,700	31,800	8,900	22,000
1978	16,300	12,200	28,300	18,400	54,900	2,800	32,000	53,400	11,200	34,600	42,500	17,500	17,600	38,500	5,900	34,500	25,400	7,200	17,300
1979	13,300	5,800	33,500	13,500	44,000	4,800	26,000	47,500	12,300	30,200	34,000	26,700	13,000	37,000	5,400	34,000	36,200	9,000	15,800
1980	10,700	8,000	40,500	15,000	40,000	5,500	25,000	52,500	11,700	29,000	32,500	23,400	11,400	32,000	5,400	35,000	27,000	7,000	10,000
1981	15,000	10,000	50,000	16,000	50,000	5,200	27,500	58,500	12,000	33,500	37,500	29,000	11,500	36,500	5,400	36,000	31,000	7,800	13,600
1982	16,000	13,000	53,000	19,000	61,000	6,000	31,000	68,000	12,000	37,000	46,000	34,000	15,000	42,000	6,000	42,000	34,000	10,000	16,000
1983	12,000	10,500	46,000	14,000	47,000	4,000	24,000	58,000	11,000	29,000	40,000	26,000	12,000	36,000	4,500	36,000	36,000	8,000	12,000
1984	13,000	13,000	44,000	11,000	55,000	4,000	17,000	60,000	13,000	27,000	32,000	22,000	10,000	32,000	4,500	38,000	35,000	6,000	9,500
1985	13,000	11,000	39,000	11,000	52,000	5,000	18,000	56,000	14,000	26,000	33,000	20,000	9,000	33,000	4,500	36,000	36,000	6,000	7,500
1986	12,000	12,000	42,000	11,500	52,000	4,000	17,000	48,000	13,000	28,000	33,000	17,000	12,000	34,000	4,500	34,000	31,000	7,000	7,000
1987	11,500	13,000	41,000	12,000	53,000	4,000	16,000	46,000	13,000	28,000	35,000	16,000	13,000	34,000	4,000	33,000	31,000	7,000	6,500
1988	9,900	13,300	37,800	12,300	51,000	3,000	14,500	41,700	12,800	27,700	34,200	16,000	12,300	33,700	3,800	30,300	30,100	6,200	6,200
1989	10,000	14,500	33,000	12,800	51,000	4,000	14,000	41,000	12,500	29,700	32,000	17,000	12,000	34,500	4,400	32,000	30,500	6,600	6,000
1990	11,000	14,300	32,000	14,300	53,000	4,800	17,200	42,000	12,700	29,000	33,000	20,000	12,500	37,500	4,700	34,100	33,500	7,000	7,100
1991	10,800	13,400	28,000	14,200	50,000	4,000	18,000	40,000	11,900	27,200	29,000	19,000	11,500	37,000	4,400	33,400	33,000	6,500	7,600
1992	11,500	12,700	25,000	14,700	46,000	4,000	20,500	38,200	11,700	25,200	27,000	20,100	11,000	36,800	4,400	33,200	35,500	6,000	8,300
2001	8,500	6,500	20,000	19,000	43,000	3,000	16,000	31,000	10,000	15,000	20,000	24,000	7,500	46,000	3,000	33,000	33,000	6,500	7,000
2002	7,000	8,000	20,000	18,000	41,000	4,000	16,000	32,000	10,000	14,000	21,000	22,000	8,000	46,000	3,000	32,000	31,000	8,000	6,000
2003	9,000		24,000	18,000	37,000	5,000	16,000	30,000		16,000	20,000	16,000	15,000	42,000		29,000	31,000	7,000	8,000
2004	9,000		23,000	17,000	36,000	5,000	15,000	29,000		16,000	19,000	16,000	14,000	41,000		28,000	31,000	7,000	7,000
2005	9,000	11,000	22,000	18,000	34,000	5,000	14,000	27,000	9,000	17,000	18,000	16,000	17,000	39,000	5,000	28,000	29,000	8,000	7,000
2006	8,000	10,000	19,000	16,000	30,000	5,000	12,000	22,000	8,000	15,000	15,000	18,000	16,000	33,000	6,000	26,000	24,000	7,000	8,000
2007	8,000	11,000	19,000	17,000	31,000	6,000	14,000	23,000	7,000	15,000	14,000	19,000	18,000	34,000	7,000	25,000	25,000	8,000	8,000
2008			20,000	15,000	32,000	7,000	19,000	30,000		14,000	20,000	18,000		37,000		24,000	28,000		5,000
2009	4,000	5,000		13,000	33,000	7,000	20,000		4,000	12,000	21,000	19,000	10,000	37,000	5,000	20,000	28,000	4,000	5,000

Attachment 1, Table C: Breeding Sheep and Lambs (Head) by County

Year	County																		
	Butte	Colusa	Fresno	Glenn	Kern	Kings	Madera	Merced	Placer	Sacramento	San Joaquin	Shasta	Solano	Stanislaus	Sutter	Tehama	Tulare	Yolo	Yuba
1975	7,200	37,800	93,400	53,800	153,100	29,100	24,000	38,000	3,000	16,500	32,800	2,000	51,600	3,000	40,000	57,200	4,000	25,000	20,000
1976	7,500	30,000	92,900	43,800	152,500	28,000	21,000	32,500	4,000	16,500	36,600	2,000	53,500	3,300	40,000	59,800	3,600	20,600	10,000
1977	7,600	22,000	93,900	32,000	153,600	27,700	25,000	33,000	4,400	16,000	35,000	2,000	45,100	3,000	36,000	68,000	3,000	17,000	5,000
1978	8,000	25,000	100,000	26,600	148,000	30,500	25,000	32,000	6,000	14,000	33,000	1,900	50,000	3,000	40,000	73,400	2,000	25,000	6,000
1979	9,000	20,000	98,000	30,000	150,000	28,000	28,000	35,000	6,800	13,500	37,000	2,500	48,000	4,000	43,000	78,000	2,000	23,000	7,500
1980	9,000	16,500	111,000	37,000	167,000	31,000	29,000	40,000	7,000	13,000	42,000	2,400	49,000	3,400	40,000	74,000	1,900	23,000	4,000
1981	9,800	12,000	125,000	32,500	177,000	30,500	31,000	36,000	7,600	12,600	52,000	2,800	54,000	3,800	37,000	78,000	2,200	20,500	4,500
1982	9,800	11,000	123,000	29,700	187,000	30,000	29,000	33,700	7,700	10,000	50,000	2,300	55,000	5,000	37,000	73,000	2,500	20,000	4,500
1983	8,800	10,800	95,000	30,000	178,000	25,000	25,000	34,700	7,000	10,500	32,000	2,500	53,400	5,000	32,000	68,000	2,300	20,500	4,000
1984	8,800	12,000	60,000	25,000	170,000	16,700	28,000	35,500	8,200	11,000	30,000	1,900	67,000	4,500	37,000	67,000	2,300	24,000	3,200
1985	7,900	10,100	67,000	24,000	168,000	16,000	29,900	32,000	11,200	9,400	27,900	2,600	66,000	5,000	33,300	64,900	2,200	20,900	2,500
1986	6,700	14,400	65,000	18,600	172,000	21,000	30,000	34,000	11,000	10,600	24,200	2,200	75,500	3,500	38,000	58,000	2,300	19,200	3,000
1987	7,600	14,600	80,000	21,000	138,000	18,000	20,000	25,000	11,000	9,800	21,000	2,000	70,000	3,800	40,000	56,000	2,200	16,000	2,000
1988	8,000	14,000	95,000	19,000	155,000	10,000	17,000	44,000	12,000	8,100	25,000	1,700	70,000	3,800	32,000	51,000	3,100	18,000	1,300
1989	7,800	12,000	94,000	19,000	130,000	19,000	15,000	44,000	15,000	11,000	29,000	2,200	77,000	3,400	25,000	38,000	1,800	22,000	3,600
1990	5,500	11,900	94,000	18,800	129,400	18,800	14,900	43,800	14,900	10,900	28,700	2,200	76,800	3,400	24,800	37,800	1,800	21,800	3,500
1991	5,500	8,500	85,000	20,000	128,000	19,000	14,000	29,500	13,000	8,500	26,000	1,800	76,000	3,500	25,000	30,000	16,000	20,000	4,500
1992	5,000	8,000	83,000	19,000	126,000	17,000	13,500	34,000	13,000	8,000	24,000	1,800	73,000	3,000	23,500	28,500	14,500	19,000	4,000

Attachment 1, Table D: Hogs (Head) by County

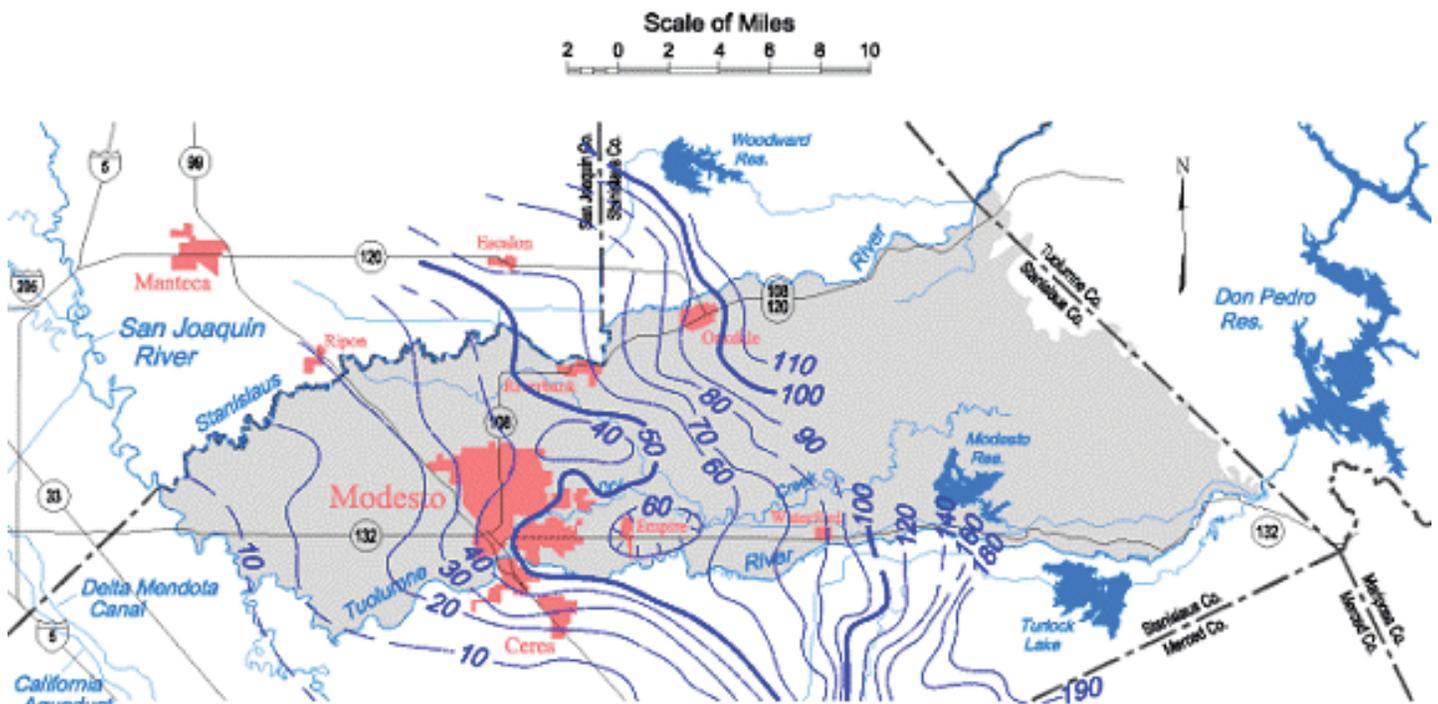
Year	County																		
	Butte	Colusa	Fresno	Glenn	Kern	Kings	Madera	Merced	Placer	Sacramento	San Joaquin	Shasta	Solano	Stanislaus	Sutter	Tehama	Tulare	Yolo	Yuba
1974	3,300	500	8,300	700	5,000	7,800	900	12,600	100	1,000	7,900	1,200	200	7,400	1,500	700	12,700	1,300	1,100
1975	3,200	600	10,100	800	5,400	9,000	1,100	12,900	100	1,000	8,200	1,200	200	8,900	1,600	900	14,300	1,200	1,000
1976	3,500	500	8,300	900	5,000	9,100	900	13,100	100	900	7,600	1,200	200	8,000	1,500	800	13,400	1,400	1,100
1977	6,600	600	8,000	1,200	5,500	11,500	2,000	13,300	400	1,400	7,300	1,100	300	10,900	2,700	1,000	19,500	1,800	1,300
1978	7,200	600	10,000	5,000	5,700	14,000	2,500	16,000	500	1,700	9,200	1,200	300	13,000	3,000	1,200	29,000	2,600	1,700
1979	7,700	600	8,500	5,100	6,000	14,400	2,600	18,000	500	1,700	9,400	1,100	200	11,500	2,600	1,100	27,000	2,300	1,500
1980	8,200	700	8,900	4,000	5,600	4,100	2,400	19,000	400	1,500	9,400	1,000	200	12,000	2,300	500	38,500	2,500	1,200
1981	7,800	600	6,800	4,100	5,000	3,300	1,900	23,000	600	1,200	7,500	800	200	10,500	2,000	400	35,500	2,100	1,000
1982	7,700	700	6,500	3,600	6,000	2,700	1,800	30,000	800	900	7,000	700	200	9,500	1,800	300	34,000	2,000	900
1983	7,400	500	6,400	3,200	5,400	2,600	1,500	31,000	600	800	6,500	700	200	9,000	1,500	300	37,000	1,900	900
1984	7,400	200	5,700	2,900	5,000	2,300	1,500	27,000	400	900	5,800	500	100	8,500	1,300	200	35,000	1,700	800
1985	7,400	700	5,400	2,500	4,300	2,500	2,000	30,000	300	900	6,000	700	200	9,000	1,100	200	40,000	1,600	500
1986	7,100	600	5,200	2,500	4,800	2,600	2,200	32,000	300	800	5,800	700	100	9,000	1,000	200	44,000	1,500	600
1987	7,500	500	5,900	2,000	4,000	500	2,000	29,100	300	800	5,000	600	100	8,500	700	200	39,000	1,800	400
1988	7,500	400	6,700	1,700	3,700	800	1,800	27,500	250	900	4,000	700	100	7,000	300	200	36,500	1,700	200
1989	7,500	100	7,000	1,200	2,900	5,800	1,700	30,000	200	700	3,000	700	100	7,600	200	100	40,000	1,600	300
1990	7,500	100	6,000	700	2,000	5,900	1,000	27,000	200	1,000	2,100	500	200	7,000	100	100	104,000	1,000	300
1991	7,600	300	7,000	800	2,000	6,100	1,300	28,000	300	1,200	2,100	600	200	7,500	100	100	119,000	1,400	300

Attachment 2

Depth to Groundwater Maps
from California Department of Water Resources

Modesto Groundwater Basin

Spring 2000, Lines of Equal Depth to
Water in Wells, Unconfined Aquifer



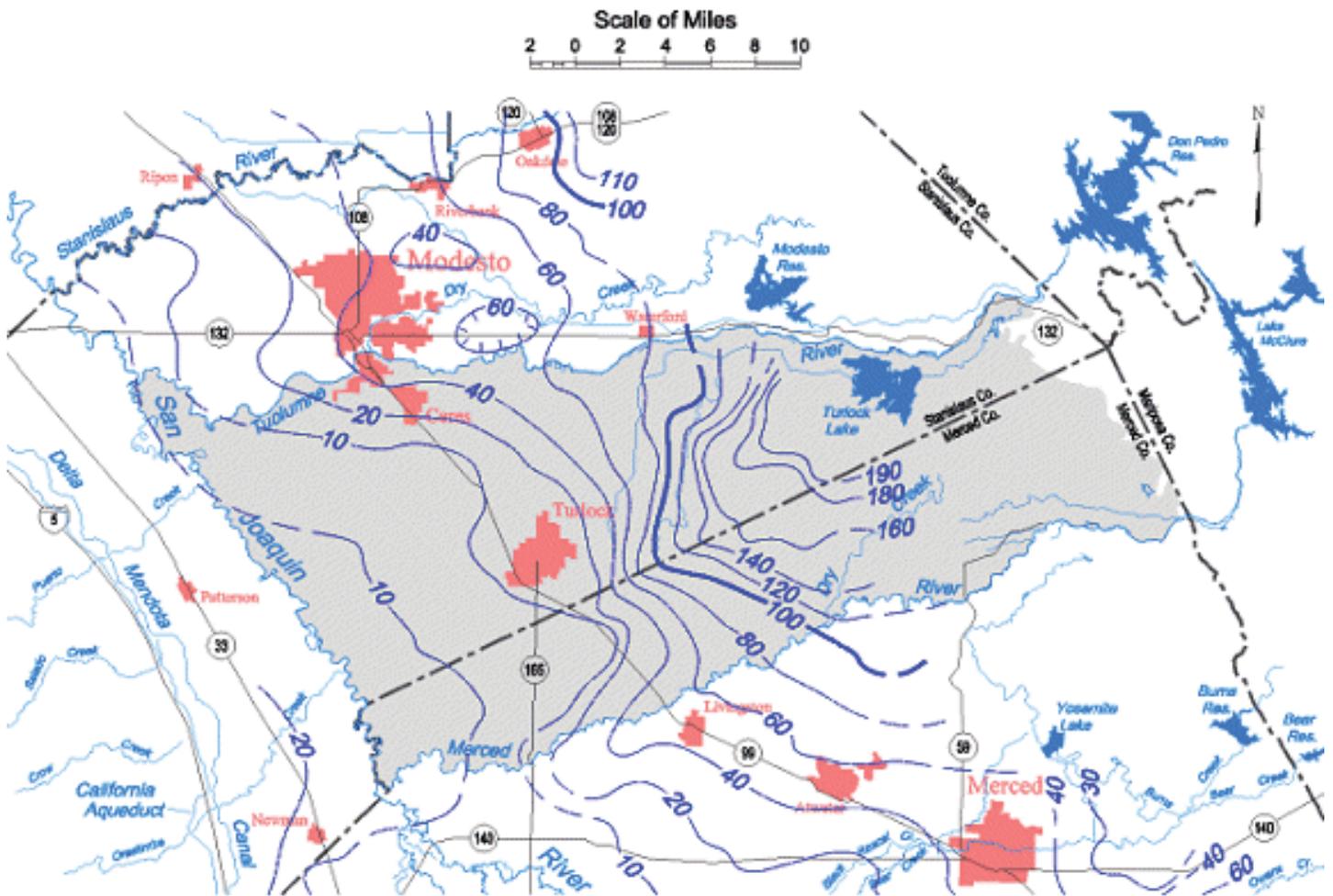
Contours are dashed where inferred. Contour interval is 10 and 20 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

Turlock Groundwater Basin

Spring 2000, Lines of Equal Depth to Water in Wells, Unconfined Aquifer



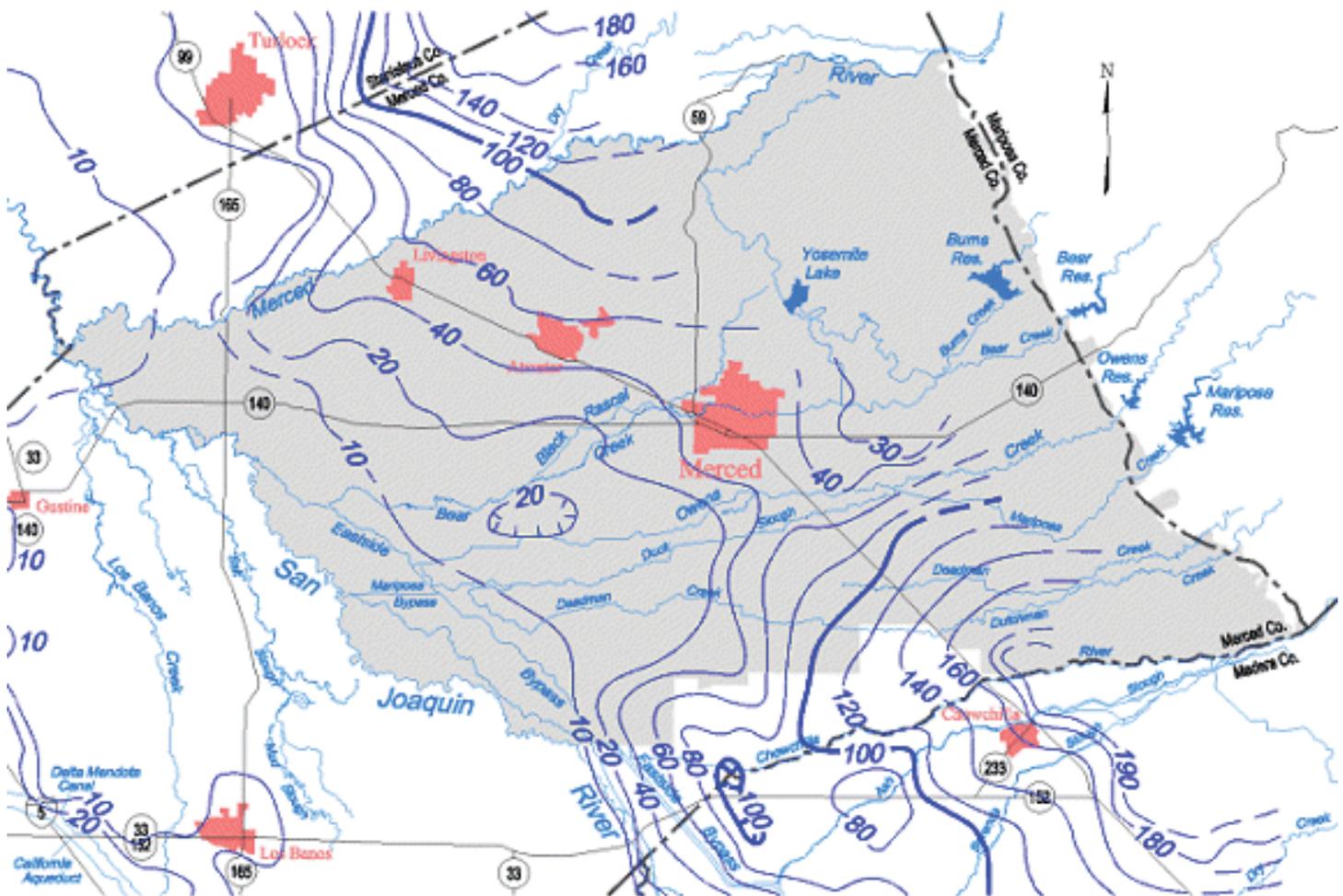
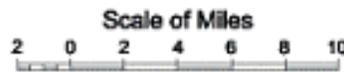
Contours are dashed where inferred. Contour interval is 10 and 20 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

Merced Groundwater Basin

Spring 2000, Lines of Equal Depth to Water in Wells, Unconfined Aquifer



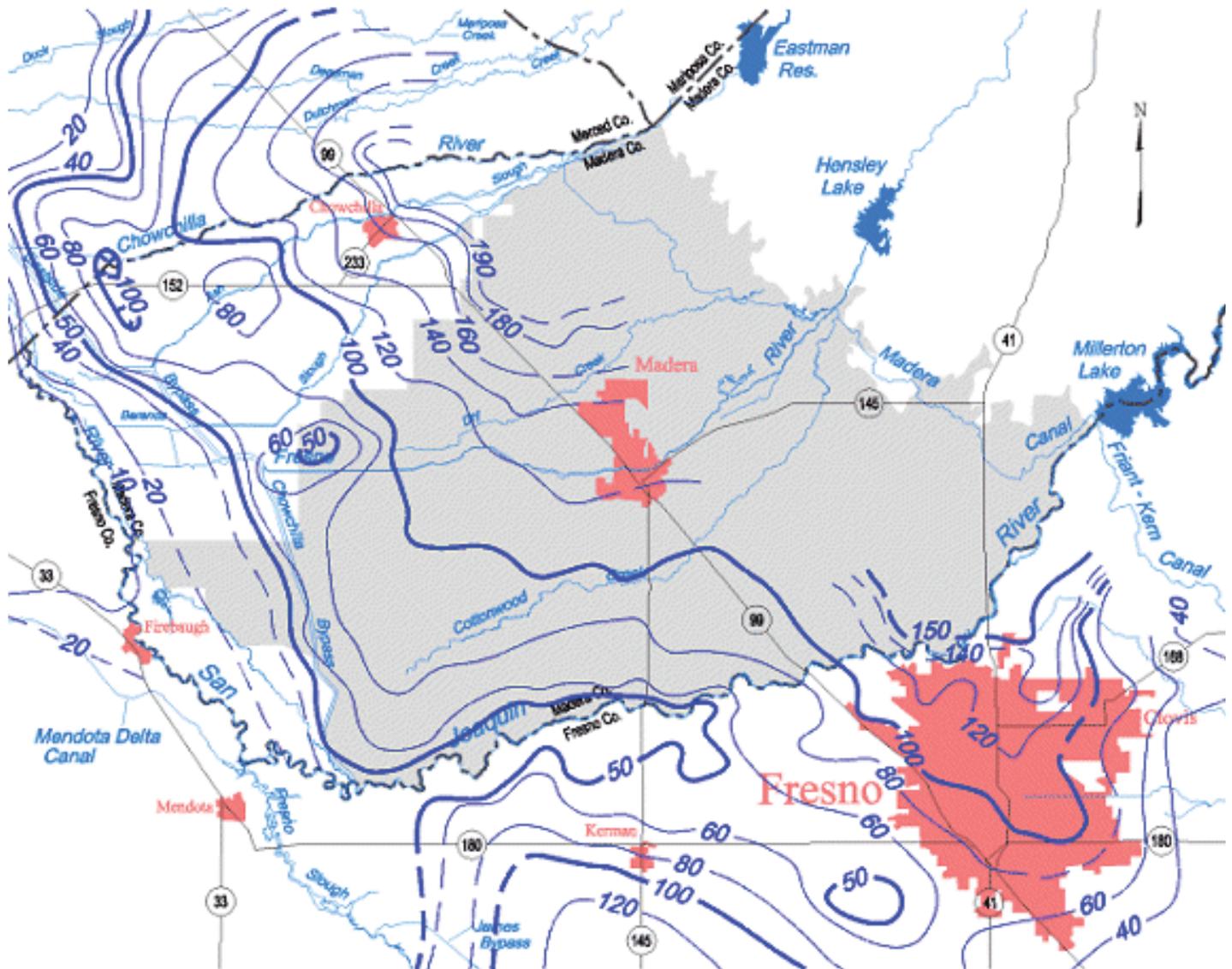
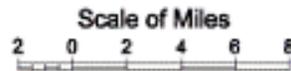
Contours are dashed where inferred. Contour interval is 10 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

Madera Groundwater Basin

Spring 2000, Lines of Equal Depth to
Water in Wells, Unconfined Aquifer



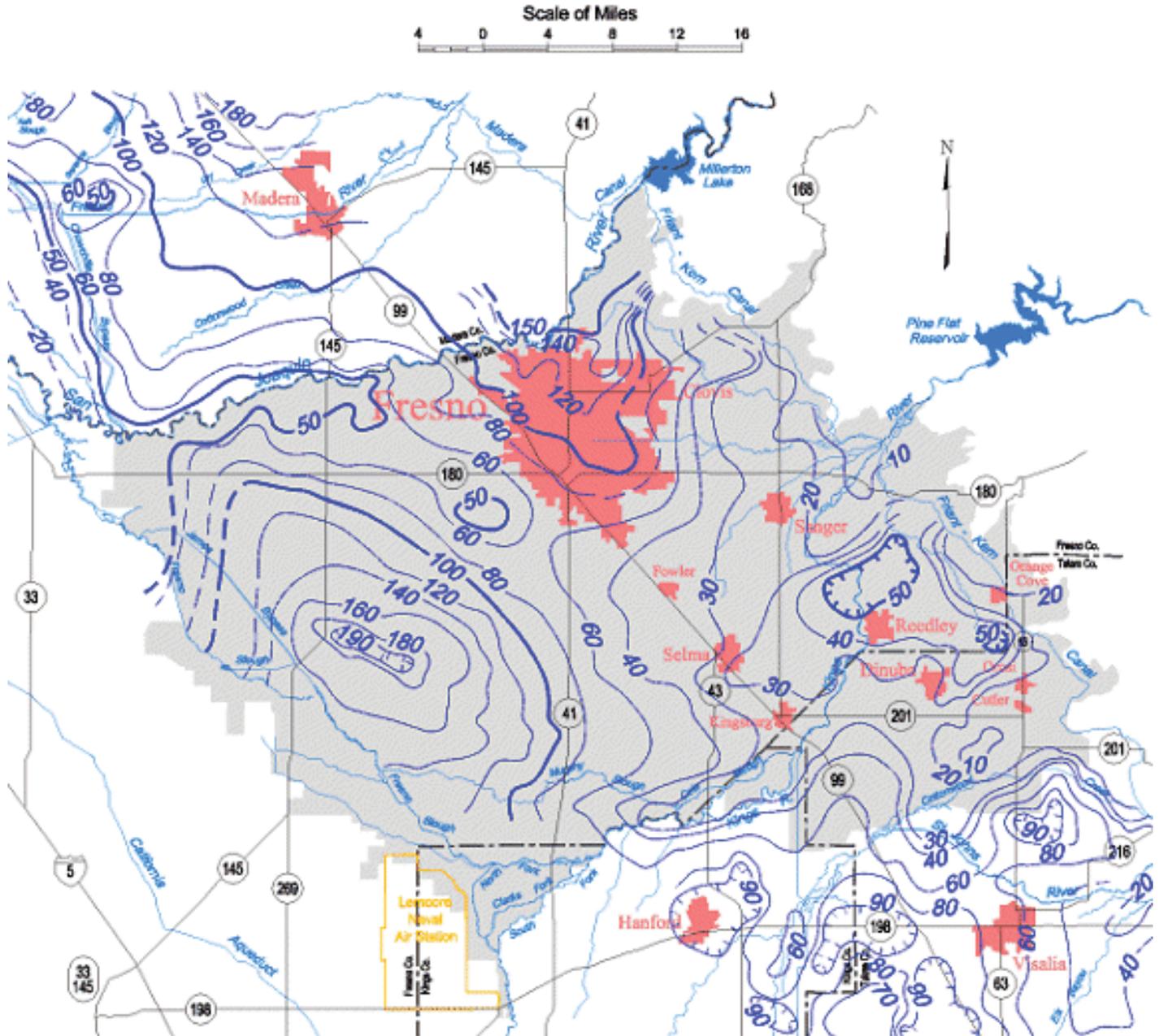
Contours are dashed where inferred. Contour interval is 10 and 20 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

Kings Groundwater Basin

Spring 2000, Lines of Equal Depth to Water in Wells, Unconfined Aquifer



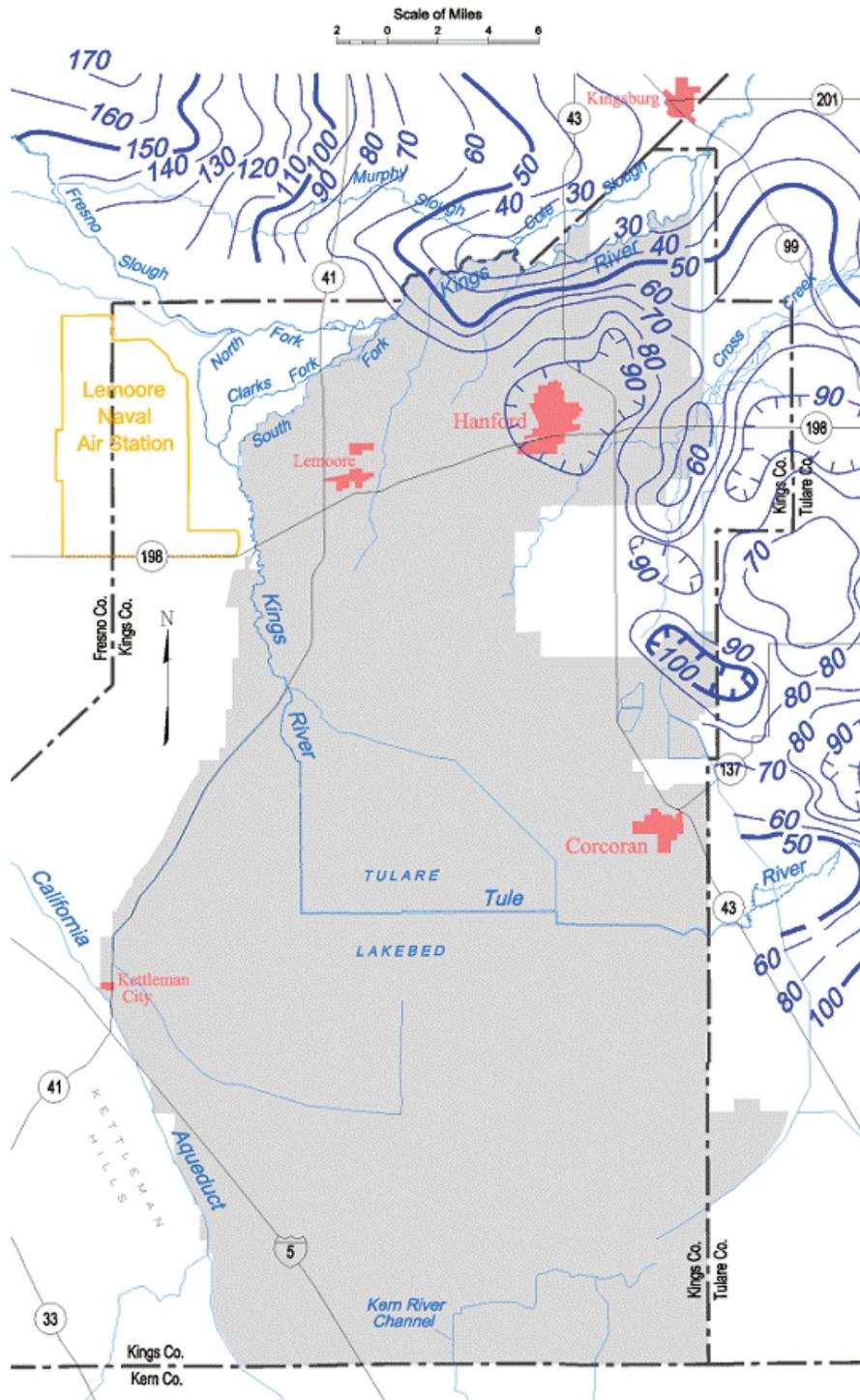
Contours are dashed where inferred. Contour interval is 10 and 20 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

Tulare Lake Groundwater Basin

Spring 2000, Lines of Equal Depth to
Water in Wells, Unconfined Aquifer



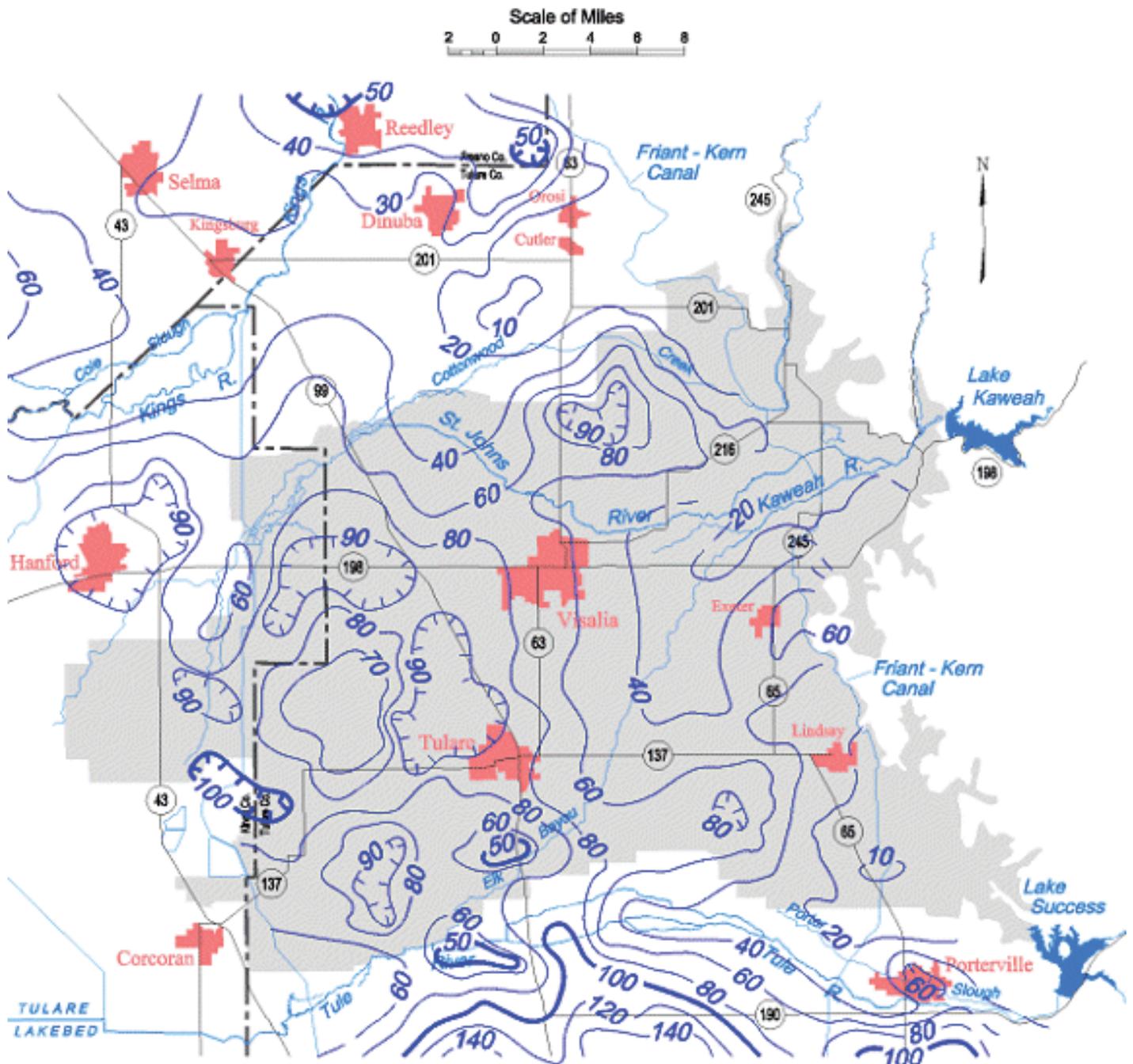
Contours are dashed where inferred. Contour interval is 10 and 20 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

Kaweah Groundwater Basin

Spring 2000, Lines of Equal Depth to
Water in Wells, Unconfined Aquifer



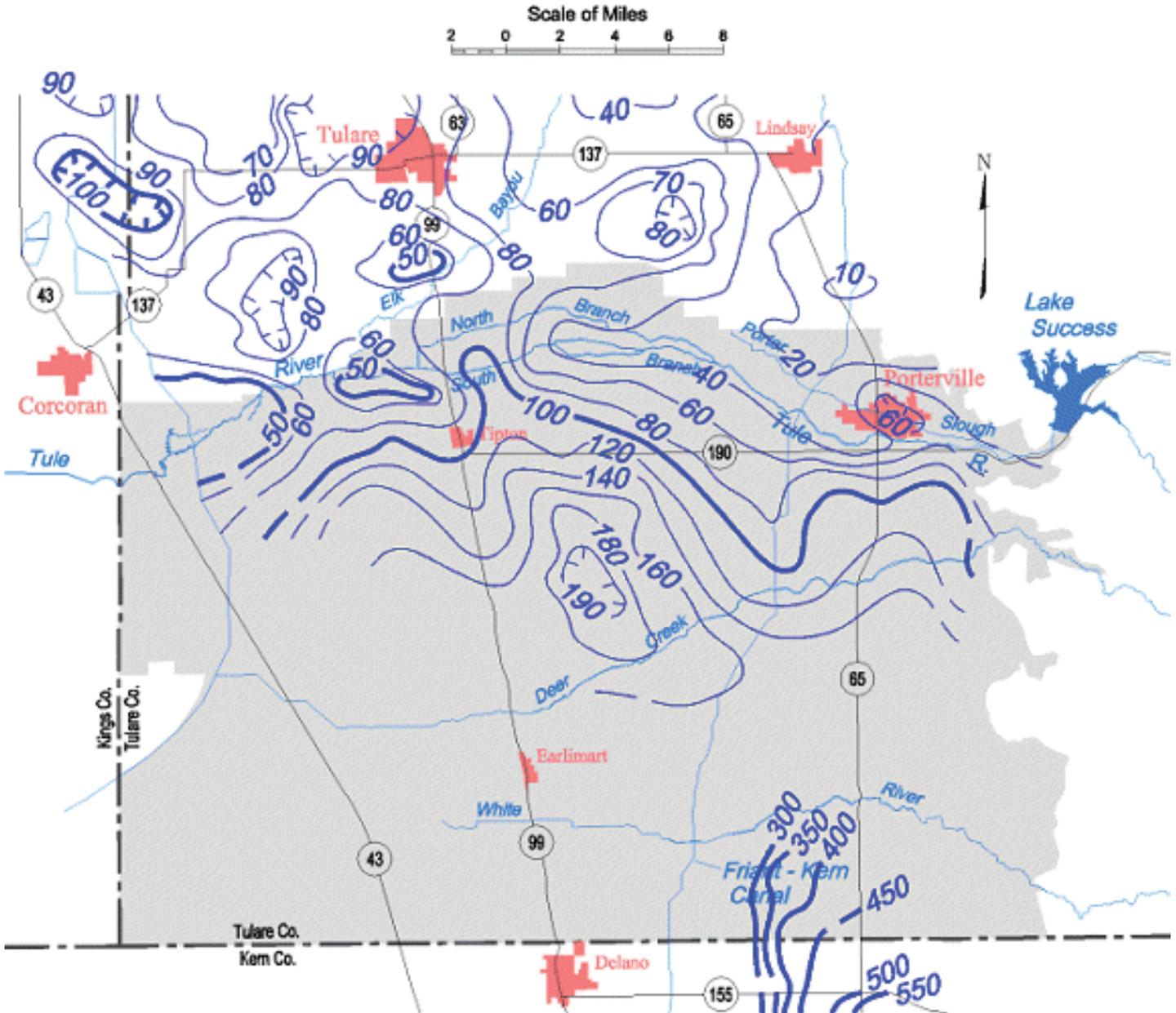
Contours are dashed where inferred. Contour interval is 10 and 20 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

Tule Groundwater Basin

Spring 2000, Lines of Equal Depth to Water in Wells, Unconfined Aquifer



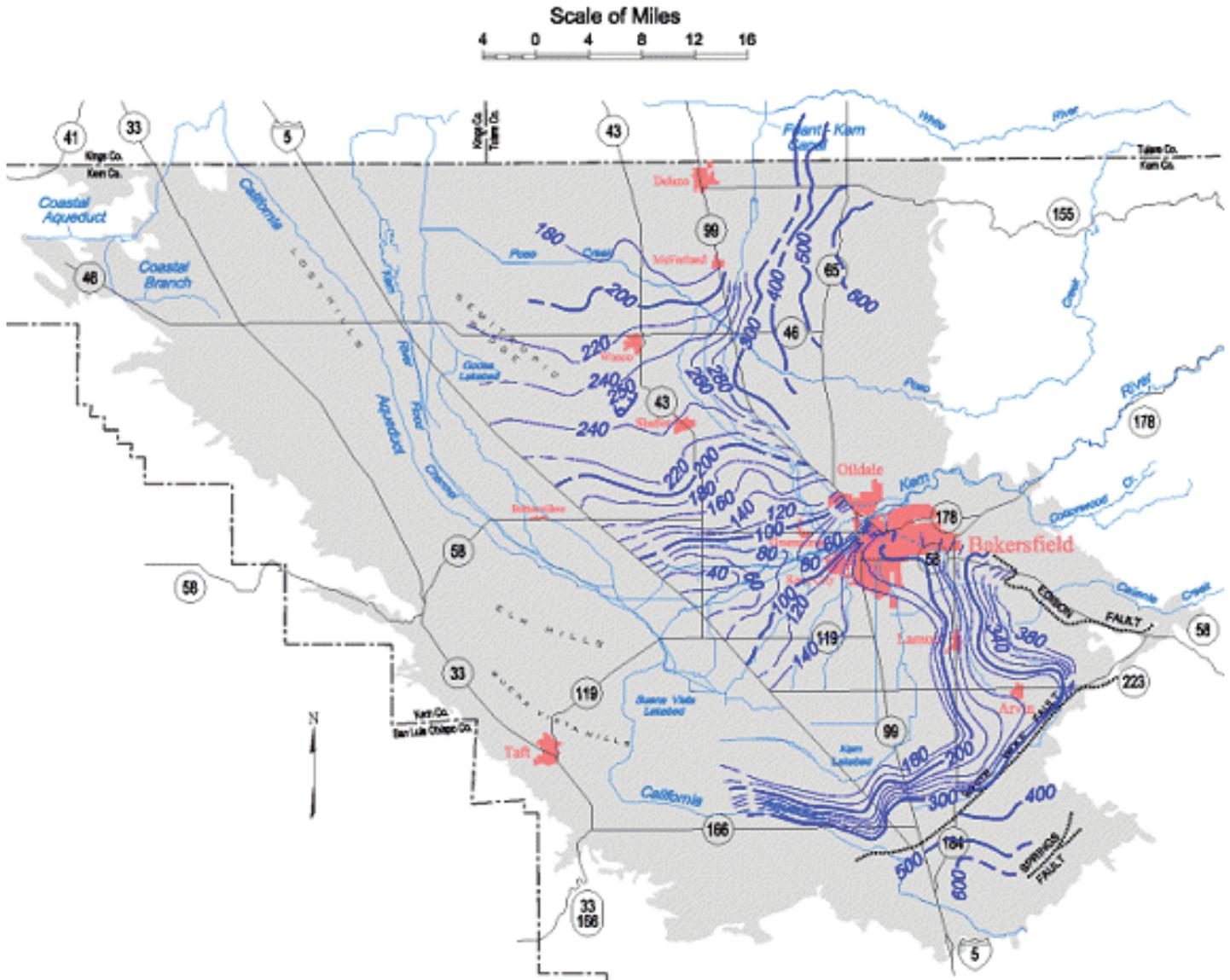
Contours are dashed where inferred. Contour interval is 10, 20 and 50 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

Kern Groundwater Basin

Spring 2000, Lines of Equal Depth to Water in Wells, Unconfined Aquifer



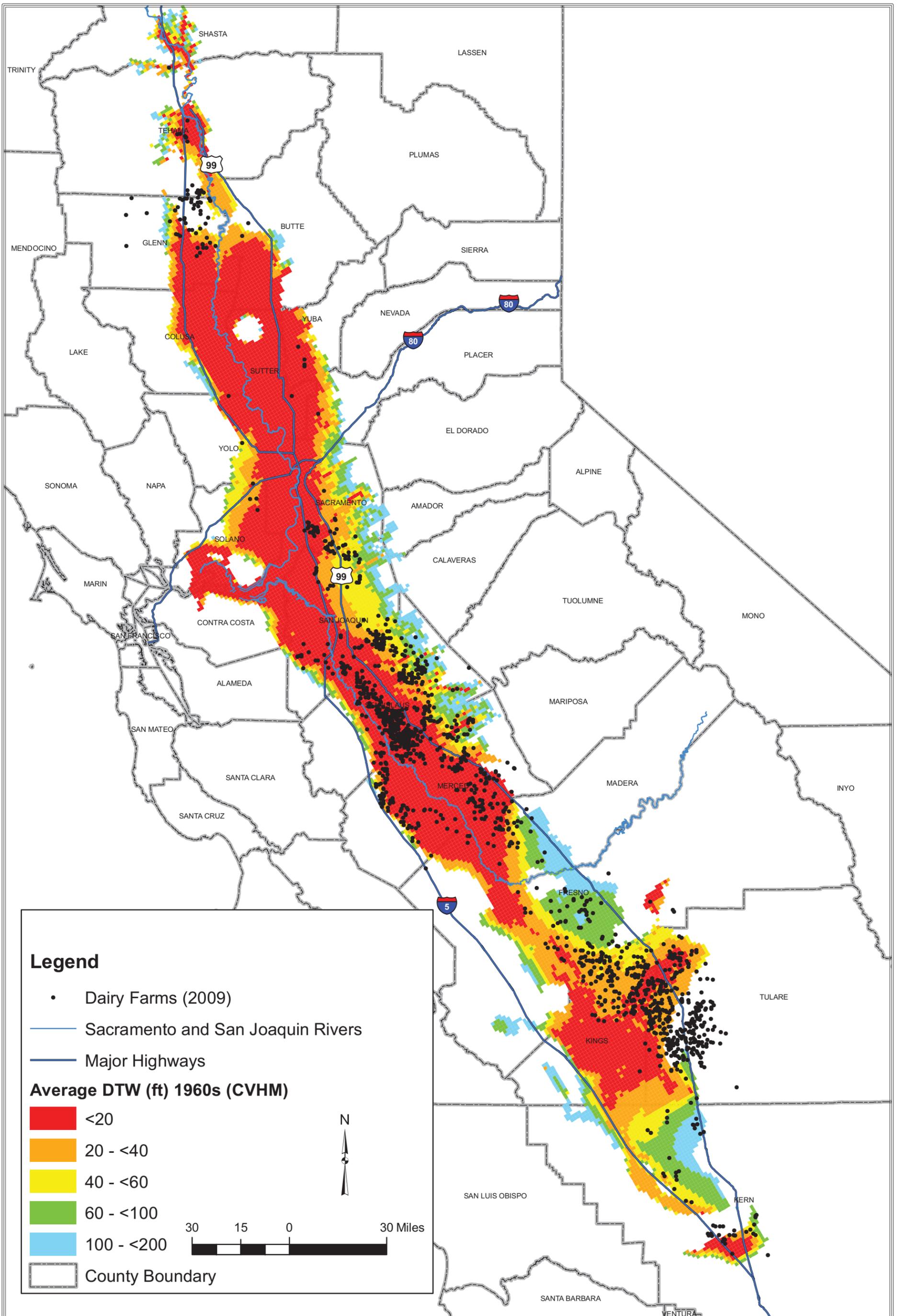
Contours are dashed where inferred. Contour interval is 10, 20 and 100 feet.

Source: http://www.sjd.water.ca.gov/groundwater/basin_maps/index.cfm

(accessed 3/1/2010)

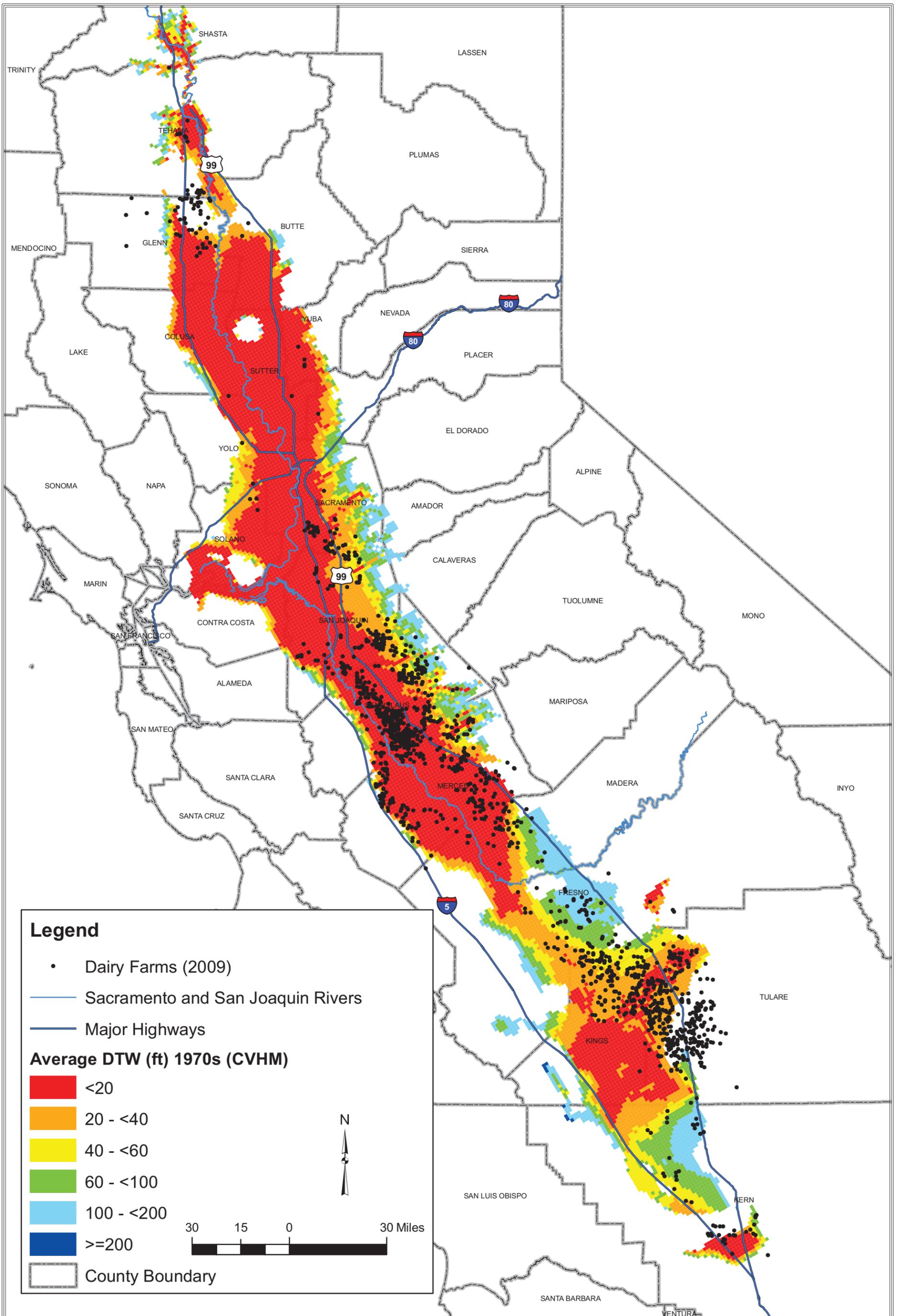
Attachment 3

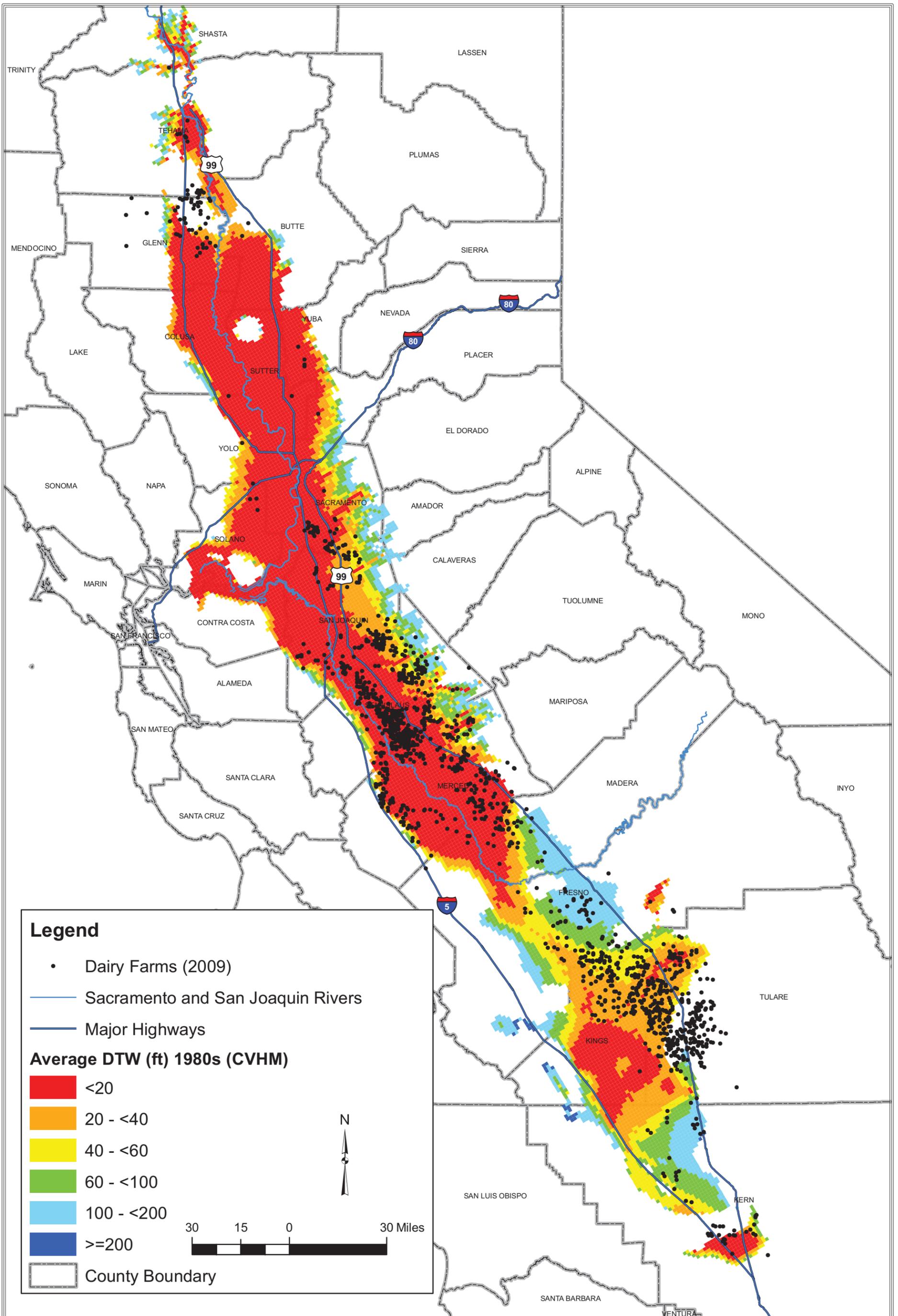
Decadal Average Depth to Groundwater
Computed from CVHM Output
(1960s, 1970s, and 1980s)



FILE: \\server_pe2900\Clerical\2009 Job Files\09-075\GIS\CVHM_avgDTWs.mxd Date: 3/29/2010

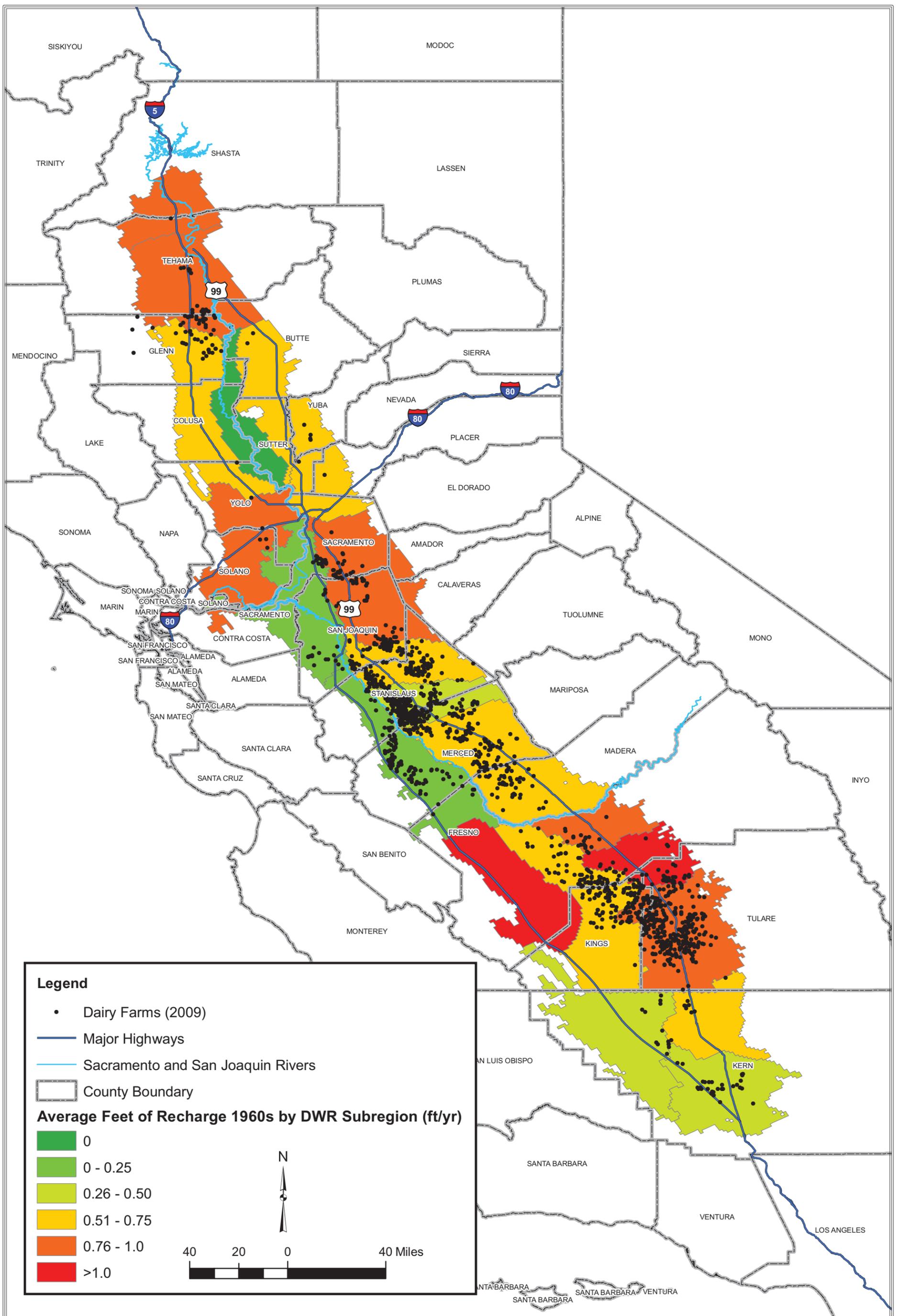
DATE: 2/17/2006 1:18:55 PM

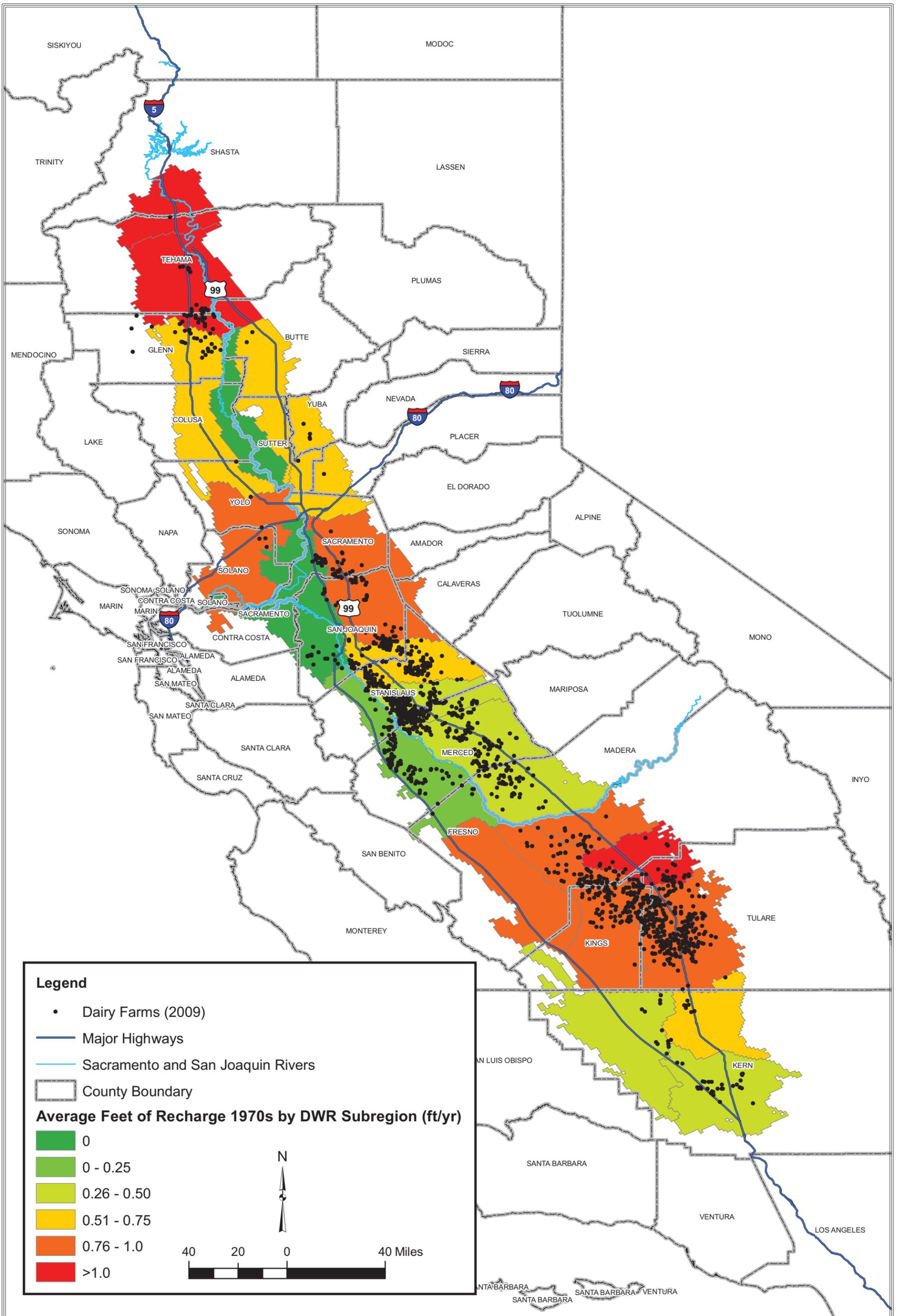


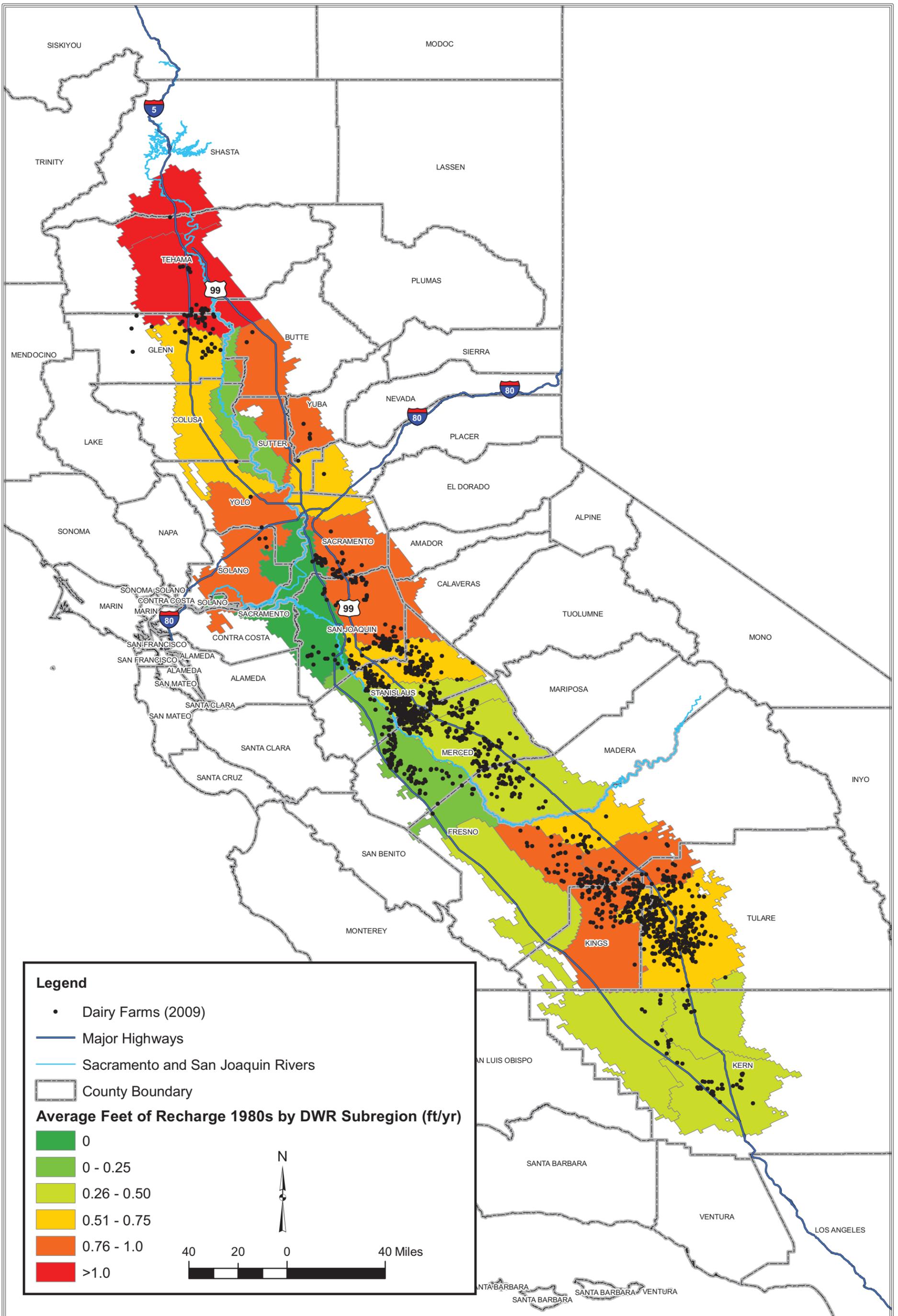


Attachment 4

Decadal Annual Groundwater Recharge
by DWR Subregion - Computed from CVHM Output
(1960s, 1970s, and 1980s)







FILE: \\server_pe2900\Clerical\2009 Job Files\09-075\GIS\CVHM_RechargeData.mxd Date: 3/29/2010

DATE: 2/17/2006 1:18:55 PM

Attachment 5

Soil Texture Classes and Relative Permeability

Texture

Relative Permeability

Clay loam, gravelly clay loam, gravelly loam, very gravelly clay loam, very gravelly loam, loam	Low
Clay loam, Gravelly clay loam, Gravelly sandy clay loam	Low
Clay loam, gravelly clay loam, silty clay loam, silt loam	Low
Clay loam, Gravelly clay, Gravelly clay loam	Low
Clay loam, gravelly loam	Low
Clay loam, gravelly loam, loam	Low
Clay loam, gravelly sandy clay loam, loam, sandy clay loam	Low
Clay loam, loam	Low
Clay loam, loam, sandy clay loam	Low
Clay loam, loam, sandy clay loam, silty clay	Low
Clay loam, loam, sandy clay loam, silty clay loam	Low
Clay loam, loam, sandy loam	Low
Clay loam, loam, silt loam	Low
Clay loam, loam, silty clay loam	Low
Clay loam, loam, silty clay loam, silt loam	Low
Clay loam, loam, silty clay, silty clay loam, silt loam	Low
Clay loam, Sandy clay	Low
Clay loam, sandy clay loam	Low
Clay loam, silt loam	Low
Clay loam, silty clay	Low
Clay loam, silty clay loam	Low
Clay loam, silty clay loam, silt loam	Low
Clay loam, silty clay loam, very fine sandy loam	Low
Clay loam, silty clay, silty clay loam	Low
Clay, bedrock	Low
Clay, bedrock, clay loam, bedrock, silty clay, bedrock	Low
Clay, clay loam	Low
Clay, clay loam, coarse sand, gravelly clay, gravelly clay loam, gravelly coarse sand, gravelly loam, gravelly sand, gravelly sand, gravelly sandy clay loam, gravelly sandy loam	Low
Clay, clay loam, coarse sand, gravelly clay, gravelly clay loam, gravelly coarse sand, gravelly loam, gravelly sand, gravelly sandy clay loam, gravelly sandy loam, loam, sand	Low

Texture

Relative Permeability

Clay, clay loam, fine sandy loam, loamy coarse sand, silty clay, sandy loam	Low
Clay, Clay loam, Gravelly clay	Low
Clay, clay loam, gravelly clay loam, gravelly silty clay loam, silty clay, silty clay loam	Low
Clay, clay loam, gravelly sandy clay loam, sandy clay, sandy clay loam	Low
Clay, clay loam, loam, silt loam	Low
Clay, clay loam, sandy clay	Low
Clay, Clay loam, Sandy clay loam	Low
Clay, clay loam, silty clay	Low
Clay, clay loam, silty clay loam	Low
Clay, clay loam, silty clay, silty clay loam	Low
Clay, clay, clay loam	Low
Clay, cobbly clay loam, clay loam, gravelly clay, gravelly clay loam, very gravelly clay, sandy clay, sandy clay loam	Low
Clay, cobbly clay loam, cobbly sandy clay, very cobbly clay, very cobbly clay loam, clay loam, gravelly clay loam, gravelly sandy clay, gravelly sandy clay loam, very gravelly	Low
Clay, cobbly clay, cobbly clay loam, very cobbly clay loam, very cobbly silty clay loam, clay loam, gravelly clay, gravelly clay loam, gravelly silty clay, very gravelly silty clay	Low
Clay, cobbly clay, gravelly clay	Low
Clay, cobbly clay, gravelly clay, silty clay	Low
Clay, cobbly clay, very cobbly clay, extremely cobbly clay, gravelly clay	Low
Clay, cobbly clay, very cobbly clay, extremely cobbly clay, gravelly clay, gravelly clay loam, gravelly silty clay, very gravelly clay loam, very gravelly silty clay loam, extremely	Low
Clay, cobbly clay, very cobbly clay, gravelly clay	Low
Clay, cobbly loam, clay loam, gravelly clay, gravelly clay loam, loam	Low
Clay, gravelly clay	Low
Clay, gravelly clay, gravelly clay loam, gravelly loam, gravelly sandy clay loam, loam, loam, sandy clay loam	Low
Clay, gravelly clay, silty clay	Low
Clay, gravelly silty clay, silty clay	Low
Clay, Sandy clay	Low
Clay, silty clay	Low
Clay, silty clay loam	Low
Clay, silty clay, silty clay loam	Low
Coarse sand, fine sandy loam, loam, loamy coarse sand, loamy sand, sandy loam	High

Texture

Relative Permeability

Coarse sand, gravelly coarse sand, sand	High
Coarse sand, Loamy coarse sand, Loamy sand	High
Coarse sand, Loamy sand	High
Coarse sandy loam	High
Coarse sandy loam, fine sandy loam, gravelly coarse sandy loam, gravelly fine sandy loam, gravelly fine sandy loam, gravelly loam, gravelly loamy sand, gravelly sandy loam	High
Coarse sandy loam, fine sandy loam, gravelly fine sandy loam, gravelly sandy loam, sandy loam	High
Coarse sandy loam, fine sandy loam, loam, loamy fine sand, loamy sand, sand, silt loam, sandy loam, very fine sandy loam	High
Coarse sandy loam, fine sandy loam, loam, sandy loam	High
Coarse sandy loam, fine sandy loam, loamy sand, sandy loam	High
Coarse sandy loam, fine sandy loam, sandy loam	High
Coarse sandy loam, gravelly coarse sandy loam, gravelly loamy coarse sand, gravelly sandy loam, loamy coarse sand, sandy loam	High
Coarse sandy loam, gravelly coarse sandy loam, gravelly loamy coarse sand, gravelly sandy loam, sandy loam	High
Coarse sandy loam, gravelly coarse sandy loam, gravelly loamy sand, loamy sand	High
Coarse sandy loam, gravelly coarse sandy loam, gravelly sandy loam, sandy loam	High
Coarse sandy loam, gravelly sandy loam	High
Coarse sandy loam, gravelly sandy loam, extremely gravelly loam, loam, sandy clay loam, silty clay loam	High
Coarse sandy loam, Loam, Loamy coarse sand	High
Coarse sandy loam, loam, sandy loam	High
Coarse sandy loam, Loamy coarse sand	High
Coarse sandy loam, loamy sand, sandy loam	High
Coarse sandy loam, sandy clay loam	High
Coarse sandy loam, sandy loam	High
Coarse sandy loam, sandy loam, very fine sandy loam	High
Cobbly clay	Medium
Cobbly clay loam	Medium
Cobbly clay loam, clay loam, gravelly clay loam	Medium
Cobbly clay loam, cobbly loam	Medium
Cobbly clay loam, cobbly loam, very cobbly clay loam, clay loam, gravelly clay loam, gravelly loam, very gravelly clay loam, loam, very stony clay loam	Medium
Cobbly clay loam, cobbly loam, very cobbly clay loam, very cobbly loam, clay loam, gravelly clay loam, gravelly loam, gravelly sandy clay loam, very gravelly clay loam, ver	Medium

Texture

Relative Permeability

Cobbly clay loam, Gravelly clay loam, Gravelly loam	Medium
Cobbly clay loam, gravelly clay loam, gravelly sandy clay loam, very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam, extremely gravelly clay loam	Medium
Cobbly clay loam, stony clay loam	Medium
Cobbly clay loam, very cobbly clay	Medium
Cobbly clay loam, very cobbly clay, very cobbly clay loam, very cobbly silty clay, very gravelly clay loam, extremely gravelly clay	Medium
Cobbly clay, cobbly clay loam	Medium
Cobbly clay, cobbly clay loam, very cobbly clay, very cobbly clay loam, clay loam, gravelly clay loam, very gravelly clay loam	Medium
Cobbly clay, cobbly clay loam, very cobbly clay, very cobbly clay loam, extremely cobbly clay, extremely cobbly clay loam, gravelly clay, gravelly clay loam, very gravelly clay loam	Medium
Cobbly clay, extremely cobbly clay loam, gravelly clay, gravelly clay loam, very gravelly clay loam, extremely gravelly sandy clay loam, very stony clay loam, extremely stony clay loam	Medium
Cobbly clay, Stony clay	Medium
Cobbly clay, very cobbly clay, extremely cobbly clay, gravelly clay, very gravelly clay, very gravelly clay loam, very gravelly sandy clay loam	Medium
Cobbly coarse sand, cobbly loamy sand, cobbly sand, cobbly sandy loam, very cobbly coarse sand, very cobbly loamy sand, very cobbly sand, very cobbly sandy loam, extremely cobbly sand	High
Cobbly loam	High
Cobbly loam, gravelly clay loam, gravelly loam, very gravelly clay loam, loam	High
Cobbly loam, very cobbly clay loam, very cobbly loam, extremely cobbly clay loam, gravelly loam, very gravelly loam, extremely gravelly loam	High
Cobbly loam, very cobbly loam, gravelly loam, very gravelly loam	High
Cobbly loam, very cobbly loam, gravelly loam, very gravelly loam, loam	High
Cobbly loamy coarse sand, extremely cobbly coarse sandy loam, extremely cobbly sandy loam, gravelly loamy sand, very gravelly loamy sand, extremely stony sandy loam	High
Cobbly medial loam, cobbly medial sandy loam, very cobbly medial loam, very cobbly medial sandy loam, extremely cobbly medial sandy loam, gravelly medial loam, gravelly medial sandy loam	High
Cobbly sandy clay loam	High
Cobbly sandy loam	High
Cobbly sandy loam, gravelly sandy loam, very gravelly sandy loam, sandy loam	High
Cobbly sandy loam, very cobbly sandy loam, extremely cobbly sandy loam, gravelly sandy loam, very gravelly sandy loam, extremely gravelly sandy loam, very stony sandy loam	High
Cobbly sandy loam, very cobbly sandy loam, extremely cobbly sandy loam, gravelly sandy loam, very gravelly sandy loam, sandy loam, stony sandy loam, very stony sandy loam	High
Cobbly silty clay loam, very cobbly silty clay loam, very gravelly silty clay, very gravelly silty clay loam	Medium
Duripan	Low
Extremely bouldery clay, very cobbly clay, very cobbly clay loam, very gravelly clay loam, extremely stony clay loam	Medium
Extremely bouldery sandy clay loam, Extremely stony loam, Extremely stony sandy clay loam	High
Extremely cobbly clay loam, extremely cobbly loam	High

Texture

Relative Permeability

Extremely cobbly clay loam, extremely cobbly loam, cemented extremely gravelly sand, extremely gravelly clay loam, extremely gravelly sandy clay	Medium
Extremely cobbly coarse sandy loam, extremely gravelly coarse sandy loam, extremely gravelly loamy sand	High
Extremely cobbly fine sandy loam, very gravelly sandy loam, extremely gravelly sandy loam	High
Extremely cobbly fragmental material	High
Extremely cobbly loam, extremely cobbly sandy clay loam, extremely cobbly sandy loam, extremely gravelly loam, extremely gravelly sandy clay loam, extremely gravelly	High
Extremely cobbly loam, extremely gravelly loam, extremely gravelly sandy clay loam, extremely gravelly silt loam	High
Extremely cobbly loamy sand, Extremely gravelly loamy sand	High
Extremely cobbly medial fine sandy loam, extremely cobbly medial sandy loam, very gravelly medial sandy loam, extremely gravelly medial sandy loam	High
Extremely cobbly medial sandy loam, very gravelly medial sandy loam, extremely gravelly medial coarse sandy loam, extremely gravelly medial sandy loam, extremely sto	High
Extremely cobbly medial sandy loam, very gravelly medial sandy loam, extremely gravelly medial sandy loam, extremely stony medial fine sandy loam	High
Extremely gravelly clay, extremely gravelly clay loam	High
Extremely gravelly coarse sandy loam, extremely gravelly loamy coarse sand	High
Extremely gravelly coarse sandy loam, Extremely gravelly sandy loam	High
Extremely gravelly loam	High
Extremely gravelly loam, extremely gravelly sandy loam	High
Extremely gravelly loamy coarse sand	High
Extremely gravelly sand	High
Extremely gravelly sandy clay loam	High
Extremely gravelly sandy clay, extremely gravelly sandy clay loam	High
Extremely gravelly sandy clay, sandy clay loam, sandy loam	High
Extremely gravelly sandy loam	High
Extremely paragravelly loam	High
Extremely paragravelly loam, extremely paragravelly silt loam	High
Fine sand	High
Fine sand, loamy fine sand	High
Fine sand, loamy sand	High
Fine sand, loamy sand, sand	High
Fine sand, Sand	High
Fine sandy loam	High

Texture

Relative Permeability

Fine sandy loam, extremely gravelly loamy coarse sand, extremely gravelly loamy sand, loamy coarse sand, loamy sand, sandy loam	High
Fine sandy loam, gravelly coarse sandy loam, gravelly sandy loam, sandy loam	High
Fine sandy loam, gravelly fine sandy loam, gravelly loam, gravelly sandy loam, very gravelly loam, very gravelly sandy loam, loam, sandy loam	High
Fine sandy loam, gravelly fine sandy loam, gravelly sandy loam, very gravelly fine sandy loam, very gravelly sandy loam, sandy loam	High
Fine sandy loam, gravelly sandy loam	High
Fine sandy loam, loam	High
Fine sandy loam, loam, loamy fine sand, sand, silt loam	High
Fine sandy loam, loam, sandy clay loam, sandy loam	High
Fine sandy loam, loam, sandy loam	High
Fine sandy loam, loam, sandy loam, very fine sandy loam	High
Fine sandy loam, loam, silt loam	High
Fine sandy loam, sandy loam	High
Fine sandy loam, Silty clay loam, Silt loam	High
Fine sandy loam, Very fine sandy loam	High
Fragmental material	High
Gravelly clay	Medium
Gravelly clay loam	Medium
Gravelly clay loam, gravelly coarse sandy loam, gravelly sandy clay loam, very gravelly loamy sand, very gravelly sandy clay loam, extremely gravelly coarse sand, extremely gravelly sandy clay loam	Medium
Gravelly clay loam, gravelly loam	Medium
Gravelly clay loam, gravelly loam, gravelly sandy clay loam	Medium
Gravelly clay loam, gravelly loam, gravelly sandy clay loam, gravelly sandy loam, very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam, very gravelly silty clay loam	Medium
Gravelly clay loam, gravelly loam, gravelly sandy clay loam, very gravelly clay loam	Medium
Gravelly clay loam, gravelly loam, gravelly silty loam	Medium
Gravelly clay loam, gravelly loam, gravelly silty clay loam	Medium
Gravelly clay loam, gravelly loam, very gravelly clay loam, very gravelly loam	Medium
Gravelly clay loam, gravelly sandy clay loam	Medium
Gravelly clay loam, gravelly sandy clay loam, gravelly silty clay loam	Medium
Gravelly clay loam, gravelly sandy loam, very gravelly clay loam, very gravelly sandy loam	Medium
Gravelly clay loam, gravelly silty clay loam	Medium

Texture

Relative Permeability

Gravelly clay loam, very gravelly clay loam	Medium
Gravelly clay loam, very gravelly clay loam, very gravelly loam, very gravelly silty clay loam	Medium
Gravelly clay loam, Very gravelly clay, Very gravelly clay loam	Medium
Gravelly clay, gravelly clay loam	Medium
Gravelly clay, Gravelly clay loam, Gravelly sandy clay	Medium
Gravelly clay, gravelly clay loam, very gravelly clay loam	Medium
Gravelly clay, Gravelly sandy clay	Medium
Gravelly clay, very gravelly clay, very gravelly clay loam, very gravelly sandy clay, very gravelly sandy clay loam, extremely gravelly clay loam	Medium
Gravelly coarse sandy loam	High
Gravelly coarse sandy loam, gravelly fine sandy loam, gravelly loam, gravelly sandy loam, very gravelly coarse sandy loam, very gravelly fine sandy loam, very gravelly loam	High
Gravelly coarse sandy loam, gravelly fine sandy loam, gravelly sandy loam	High
Gravelly coarse sandy loam, gravelly loam, gravelly sandy loam	High
Gravelly coarse sandy loam, Gravelly loamy coarse sand	High
Gravelly coarse sandy loam, gravelly loamy coarse sand, gravelly loamy sand, gravelly sandy loam, very gravelly sandy loam, loamy sand, sandy loam	High
Gravelly coarse sandy loam, Gravelly sandy loam	High
Gravelly coarse sandy loam, gravelly sandy loam, very gravelly coarse sandy loam, very gravelly sandy loam, loam, sandy loam	High
Gravelly fine sand, gravelly loamy sand, gravelly sand	High
Gravelly fine sandy loam	High
Gravelly fine sandy loam, gravelly loam	High
Gravelly fine sandy loam, gravelly loam, gravelly sandy loam	High
Gravelly fine sandy loam, gravelly sandy loam	High
Gravelly fine sandy loam, loam	High
Gravelly fine sandy loam, very gravelly fine sandy loam, very gravelly sandy clay loam, very gravelly sandy loam, very stony sandy clay loam, extremely stony sandy clay loam	High
Gravelly loam	High
Gravelly loam, gravelly sandy clay loam	High
Gravelly loam, gravelly sandy clay loam, loam, sandy clay loam	High
Gravelly loam, gravelly sandy clay loam, very gravelly loam, very gravelly sandy loam, loam, sandy loam	High
Gravelly loam, Gravelly sandy loam	High
Gravelly loam, Gravelly sandy loam, Sandy loam	High

Texture

Gravelly loam, gravelly silt loam, silt loam

Gravelly loam, loam

Gravelly loam, very gravelly loam

Gravelly loamy coarse sand

Gravelly loamy coarse sand, gravelly sandy loam, loamy coarse sand, loamy sand, sandy loam

Gravelly loamy sand

Gravelly loamy sand, gravelly sandy loam

Gravelly loamy sand, gravelly sandy loam, sandy loam

Gravelly material

Gravelly sand and gravel

Gravelly sand, very gravelly coarse sand, very gravelly coarse sandy loam, very gravelly loamy coarse sand, very gravelly sand, extremely gravelly coarse sand

Gravelly sandy clay

Gravelly sandy clay loam

Gravelly sandy clay loam, gravelly sandy loam, sandy clay loam, sandy loam

Gravelly sandy clay loam, sandy clay loam

Gravelly sandy clay loam, sandy clay loam, sandy loam

Gravelly sandy loam

Gravelly sandy loam, extremely gravelly coarse sandy loam, extremely gravelly sandy clay loam, loamy sand, sandy clay loam

Gravelly sandy loam, sandy loam

Gravelly sandy loam, very gravelly loam, very gravelly sandy loam

Gravelly sandy loam, Very gravelly sandy loam

Gravelly sandy loam, very gravelly sandy loam, extremely gravelly sandy loam, sandy loam

Gravelly silt loam, loam, silt loam

Gravelly silty clay loam, very gravelly silty clay loam

Indurated

Loam

Loam, sandy clay loam

Loam, sandy clay loam, sandy loam

Loam, sandy clay loam, silt loam, sandy loam

Relative Permeability

High

Medium

Medium

Medium

Medium

Medium

High

High

High

High

High

High

Medium

Medium

High

High

High

High

High

Texture

Peat
Sand
Sand and gravel
Sand, g
Sandy clay
Sandy clay loam
Sandy clay loam, sandy loam
Sandy loam
Sandy loam, material
Shaly loam
Silt loam
Silt loam, very fine sandy loam
Silt, silty clay loam, silt loam
Silty clay
Silty clay loam
Silty clay loam, silt loam
Silty clay loam, silt loam, very fine sandy loam
Silty clay, silty clay loam
Sr to gravelly sand to extremely gravelly coarse sand
Sr to sand to g
Sr to sandy loam to loam
Sr to sandy loam to silt loam
Sr to very gravelly sandy loam to gravelly sandy loam
Stony clay
Stony clay loam, stony loam
Stony clay loam, stony loam, stony silt loam
Stony clay loam, stony sandy clay loam
Stony clay loam, very stony loam
Stony loam

Relative Permeability

Medium
High
High
High
Medium
Medium
Medium
High
High
Low
Low
Low
Low
Low
Low
Low
Low
High
High
High
High
High
Low
Low
Low
Low
Low
Low
Low
Low
Medium

Texture

Stratified gravelly coarse sand to sandy loam

Stratified gravelly coarse sandy loam to fine sandy loam

Stratified gravelly coarse sandy loam to gravelly sandy clay loam

Stratified gravelly fine sandy loam to gravelly loam

Stratified gravelly loam to clay loam

Stratified gravelly loam to extremely gravelly sandy clay loam

Stratified gravelly loamy sand to gravelly sandy loam

Stratified gravelly sand to extremely gravelly sand

Stratified gravelly sand to gravelly loam

Stratified gravelly sand to gravelly loamy sand

Stratified gravelly sandy clay loam to very gravelly clay

Stratified gravelly sandy loam to cobbly sandy loam

Stratified gravelly sandy loam to gravelly clay loam

Stratified gravelly sandy loam to gravelly loam

Stratified gravelly sandy loam to loam

Stratified loam to clay

Stratified loam to clay loam

Stratified loam to silt loam

Stratified loam to silty clay loam

Stratified loamy coarse sand to loam

Stratified loamy fine sand to fine sandy loam

Stratified loamy fine sand to loam

Stratified loamy fine sand to silt loam

Stratified loamy fine sand to silty clay

Stratified loamy sand to clay loam

Stratified loamy sand to fine sandy loam

Stratified loamy sand to fine sandy loam to silt loam

Stratified loamy sand to loam

Stratified loamy sand to sandy clay loam to clay loam

Relative Permeability

High

High

High

High

Medium

High

High

High

High

High

Medium

High

Medium

High

High

Low

Low

Low

Low

High

High

High

Medium

Medium

High

High

High

High

Medium

Texture

Stratified loamy sand to sandy loam
Stratified loamy sand to silt loam
Stratified loamy sand to very fine sandy loam
Stratified muck to silty clay loam
Stratified mucky peat to fine sandy loam to loam to silt loam to silty clay loam
Stratified mucky silty clay loam to mucky clay
Stratified sand to clay
Stratified sand to clay loam
Stratified sand to fine sandy loam
Stratified sand to loam
Stratified sand to loamy fine sand
Stratified sand to loamy sand
Stratified sand to silt loam
Stratified sand to silty clay loam
Stratified sandy clay loam to clay
Stratified sandy clay loam to clay loam
Stratified sandy clay loam to silty clay loam
Stratified sandy loam to clay
Stratified sandy loam to clay loam
Stratified sandy loam to fine sandy loam
Stratified sandy loam to gravelly loam
Stratified sandy loam to gravelly sand
Stratified sandy loam to loam
Stratified sandy loam to sandy clay loam
Stratified sandy loam to silt loam
Stratified sandy loam to silty clay loam
Stratified sandy loam to very gravelly clay loam
Stratified silt loam
Stratified silt loam to clay

Relative Permeability

High
High
High
Medium
Medium
Low
Medium
Medium
High
High
High
High
Medium
Medium
Low
Low
Low
Medium
Medium
High
High
High
High
Medium
High
Medium
Medium
Low
Low

Texture

Stratified silt loam to clay loam

Stratified silt loam to silty clay loam

Stratified silt to silt loam

Stratified silty clay loam to clay

Stratified silty clay loam to loam

Stratified silty clay loam to silty clay

Stratified silty clay to clay

Stratified very cobbly sand to very gravelly loamy sand

Stratified very cobbly sandy loam to very gravelly sandy loam

Stratified very fine sand to silt loam

Stratified very fine sandy loam to silt loam

Stratified very fine sandy loam to silty clay loam

Stratified very gravelly coarse sand to gravelly sand

Stratified very gravelly coarse sand to gravelly sandy loam

Stratified very gravelly coarse sand to gravelly silt loam

Stratified very gravelly coarse sand to very gravelly loamy coarse sand

Stratified very gravelly loam to extremely gravelly sandy clay loam

Stratified very gravelly loamy coarse sand to gravelly loam

Stratified very gravelly loamy coarse sand to gravelly sandy loam

Stratified very gravelly loamy sand to clay loam

Stratified very gravelly loamy sand to very gravelly loam

Stratified very gravelly sand to loam

Stratified very gravelly sand to very cobbly loamy sand

Stratified very gravelly sand to very gravelly loamy sand

Stratified very gravelly sand to very gravelly sandy clay loam

Stratified very gravelly sandy clay loam to gravelly clay loam

Stratified very gravelly sandy loam to gravelly sandy loam

Stratified very gravelly sandy loam to very gravelly clay loam

Stratified very gravelly sandy loam to very gravelly sandy clay loam

Relative Permeability

Low

Low

Low

Low

Low

Low

Low

High

High

Medium

Medium

Medium

High

Texture

Relative Permeability

Unweathered bedrock	Low
Variable	Medium
Very bouldery sandy loam, extremely bouldery coarse sandy loam, extremely bouldery loamy coarse sand, cobbly sandy loam, very cobbly sandy loam, extremely cobbly	High
Very bouldery sandy loam, extremely bouldery sandy loam, sandy loam	High
Very channery clay loam, very channery sandy clay loam	Medium
Very cobbly clay	Medium
Very cobbly clay loam	Medium
Very cobbly clay loam, extremely cobbly clay loam	Medium
Very cobbly clay loam, extremely cobbly clay loam, extremely cobbly loam, very gravelly clay loam, very gravelly loam, extremely gravelly clay loam, very stony clay loam,	Medium
Very cobbly clay loam, extremely cobbly clay loam, extremely cobbly sandy clay loam, clay loam, gravelly loam, very gravelly loam, extremely gravelly sandy clay loam, lo	Medium
Very cobbly clay loam, extremely cobbly clay loam, gravelly clay loam, very gravelly clay, very gravelly clay loam, very gravelly sandy clay, very gravelly sandy clay loam, e	Medium
Very cobbly clay loam, very cobbly loam	Medium
Very cobbly clay loam, very cobbly loam, extremely cobbly clay loam, extremely cobbly loam, extremely gravelly clay loam, extremely gravelly loam	Medium
Very cobbly clay loam, very cobbly loam, extremely cobbly clay loam, extremely cobbly loam, very gravelly clay loam, very gravelly loam, extremely gravelly clay loam	Medium
Very cobbly clay loam, very cobbly loam, very cobbly sandy clay loam, very cobbly sandy loam, gravelly clay loam, gravelly loam, gravelly sandy clay loam, gravelly sandy	Medium
Very cobbly clay, very cobbly sandy clay	Medium
Very cobbly fragmental material	High
Very cobbly loam	High
Very cobbly loam, extremely cobbly loam	High
Very cobbly loam, gravelly clay loam, gravelly loam, very gravelly clay loam, very gravelly loam, extremely gravelly clay loam	High
Very cobbly loam, very cobbly sandy loam	High
Very cobbly loam, very cobbly sandy loam, extremely cobbly sandy loam, gravelly sandy clay loam, gravelly sandy loam, very gravelly loam, very gravelly sandy loam, exti	High
Very cobbly loam, very cobbly sandy loam, gravelly sandy clay loam, gravelly sandy loam, very gravelly loam, very gravelly sandy clay loam, very gravelly sandy loam, san	High
Very cobbly loam, very gravelly clay loam, very gravelly loam	High
Very cobbly loam, very gravelly clay loam, very gravelly loam, extremely gravelly clay loam, extremely gravelly loam	High
Very cobbly loam, very gravelly sandy loam	High
Very cobbly loamy sand	High
Very cobbly loamy sand, stratified cobbly sand to gravelly loamy sand	High
Very cobbly loamy sand, very cobbly sand, very cobbly sandy loam, extremely cobbly loamy sand, extremely cobbly sand, extremely cobbly sandy loam	High

Texture

Relative Permeability

Very cobbly loamy sand, very gravelly loamy sand	High
Very cobbly sandy clay loam, extremely cobbly sandy clay loam, extremely gravelly sandy clay, extremely gravelly sandy clay loam	High
Very cobbly sandy loam	High
Very cobbly sandy loam, extremely stony sandy loam	High
Very cobbly sandy loam, Very gravelly sandy loam	High
Very fine sandy loam	High
Very gravelly clay	Medium
Very gravelly clay loam	Medium
Very gravelly clay loam, Extremely gravelly clay loam	Medium
Very gravelly clay loam, very gravelly loam	Medium
Very gravelly clay loam, very gravelly loam, extremely gravelly clay loam	Medium
Very gravelly clay loam, very gravelly loam, very gravelly sandy clay loam	Medium
Very gravelly clay loam, very gravelly sandy clay loam	Medium
Very gravelly clay loam, very gravelly sandy clay loam, extremely gravelly clay loam	Medium
Very gravelly clay, very gravelly clay loam	Medium
Very gravelly coarse sand, extremely gravelly coarse sand, extremely gravelly sand	High
Very gravelly coarse sand, Very gravelly sand, Extremely gravelly coarse sand	High
Very gravelly coarse sandy loam	High
Very gravelly coarse sandy loam, very gravelly fine sandy loam, very gravelly sandy clay loam, very gravelly sandy loam, extremely gravelly sandy loam	High
Very gravelly fine sandy loam, extremely gravelly coarse sandy loam, extremely gravelly sandy loam, very stony loam	High
Very gravelly fine sandy loam, very gravelly sandy clay loam, very gravelly sandy loam, extremely gravelly fine sandy loam, extremely gravelly sandy clay loam, extremely	High
Very gravelly loam	High
Very gravelly loam, very gravelly sandy clay loam, very gravelly sandy loam, very stony loam	High
Very gravelly loam, very gravelly sandy loam	High
Very gravelly loam, Very gravelly sandy loam, Extremely gravelly sandy loam	High
Very gravelly loam, very gravelly silt loam	High
Very gravelly loamy coarse sand	High
Very gravelly loamy coarse sand, very gravelly loamy sand, very gravelly sand, very gravelly sandy loam, extremely gravelly loamy coarse sand, extremely gravelly loamy	High
Very gravelly loamy sand, very gravelly sandy loam	High

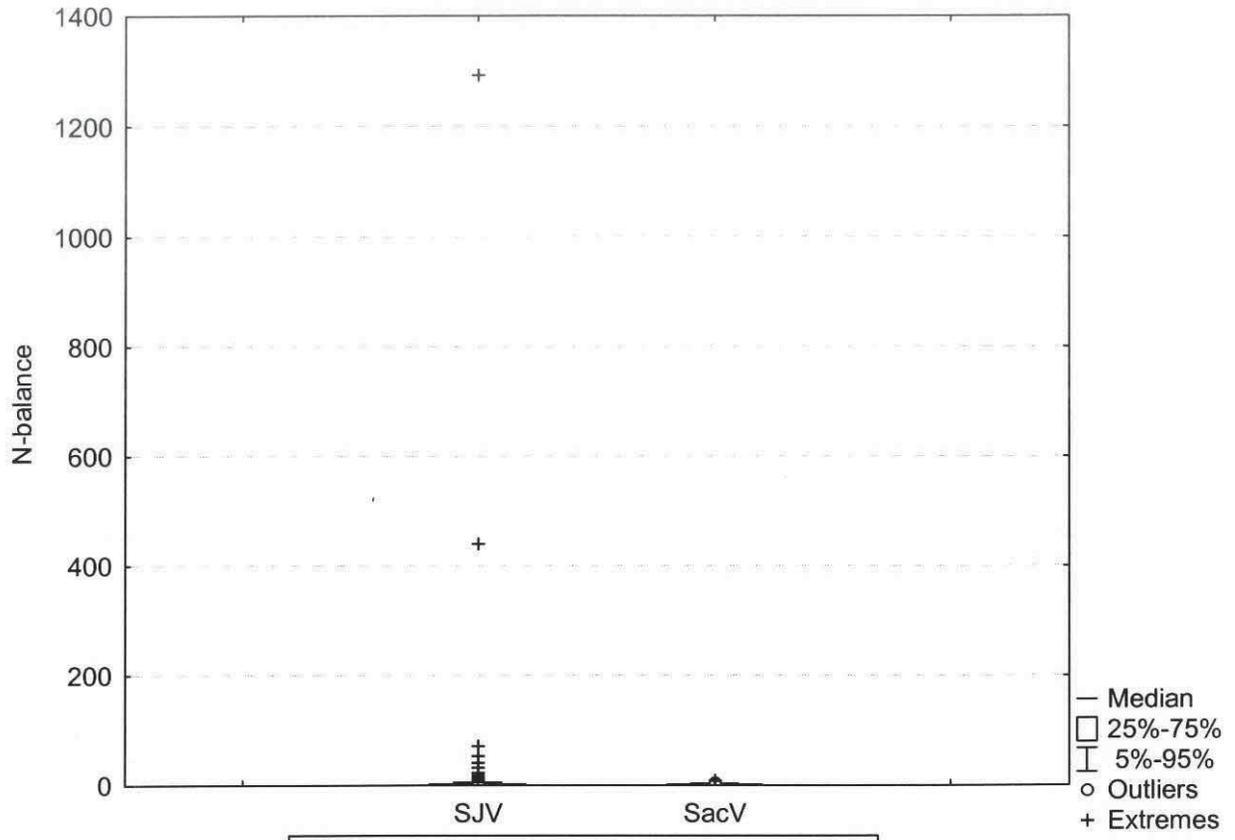
Texture

<u>Texture</u>	<u>Relative Permeability</u>
Very gravelly loamy sand, very gravelly sandy loam, extremely gravelly loamy sand, extremely gravelly sandy loam	High
Very gravelly loamy sand, very gravelly sandy loam, extremely gravelly sandy loam, extremely gravelly sandy loam	High
Very gravelly medial sandy loam, extremely gravelly medial coarse sandy loam, extremely gravelly medial loamy coarse sand	High
Very gravelly sand	High
Very gravelly sand, extremely gravelly loamy sand	High
Very gravelly sand, extremely gravelly sand	High
Very gravelly sandy clay	High
Very gravelly sandy clay loam	High
Very gravelly sandy clay loam, extremely gravelly clay loam, extremely gravelly sandy clay loam	High
Very gravelly sandy clay loam, extremely gravelly sandy clay loam	High
Very gravelly sandy clay loam, very gravelly sandy loam	High
Very gravelly sandy clay loam, very gravelly sandy loam, extremely gravelly sandy clay loam, extremely gravelly sandy loam	High
Very gravelly sandy loam	High
Very gravelly sandy loam, extremely gravelly sandy loam	High
Very gravelly sandy loam, stratified sandy loam to clay loam	High
Very gravelly silt loam	Medium
Very stony clay loam	Low
Very stony clay loam, very stony loam	Medium
Very stony coarse sandy loam, Very stony sandy loam	High
Very stony loam	High
Very stony silt loam	Medium
Weathered bedrock	Medium

Attachment 6

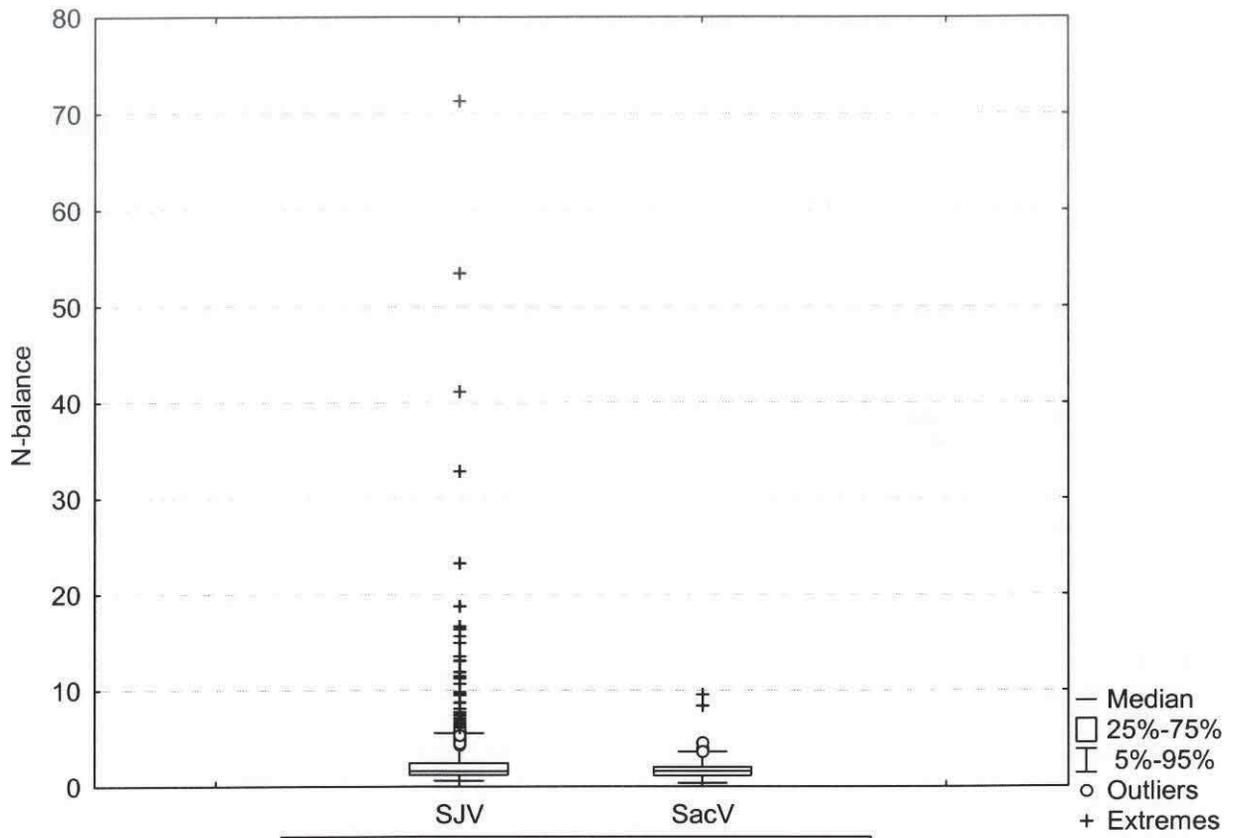
Comparison of Whole Farm Nitrogen Balances

Box Plot (cows and nitrogen balance.sta 5v*1479c)



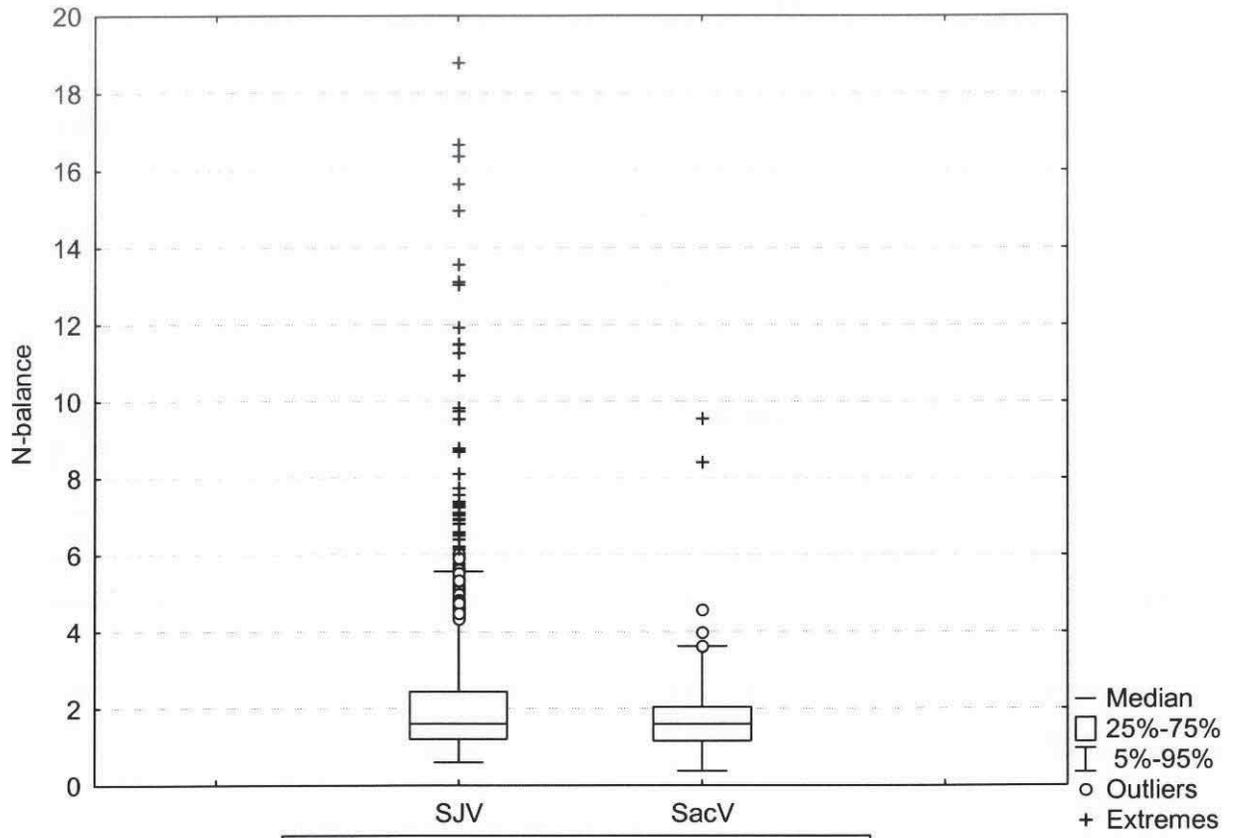
N-balance: KW-H(1,1311) = 1.8473, p = 0.1741

Box Plot (cows and nitrogen balance.sta 5v*1479c)



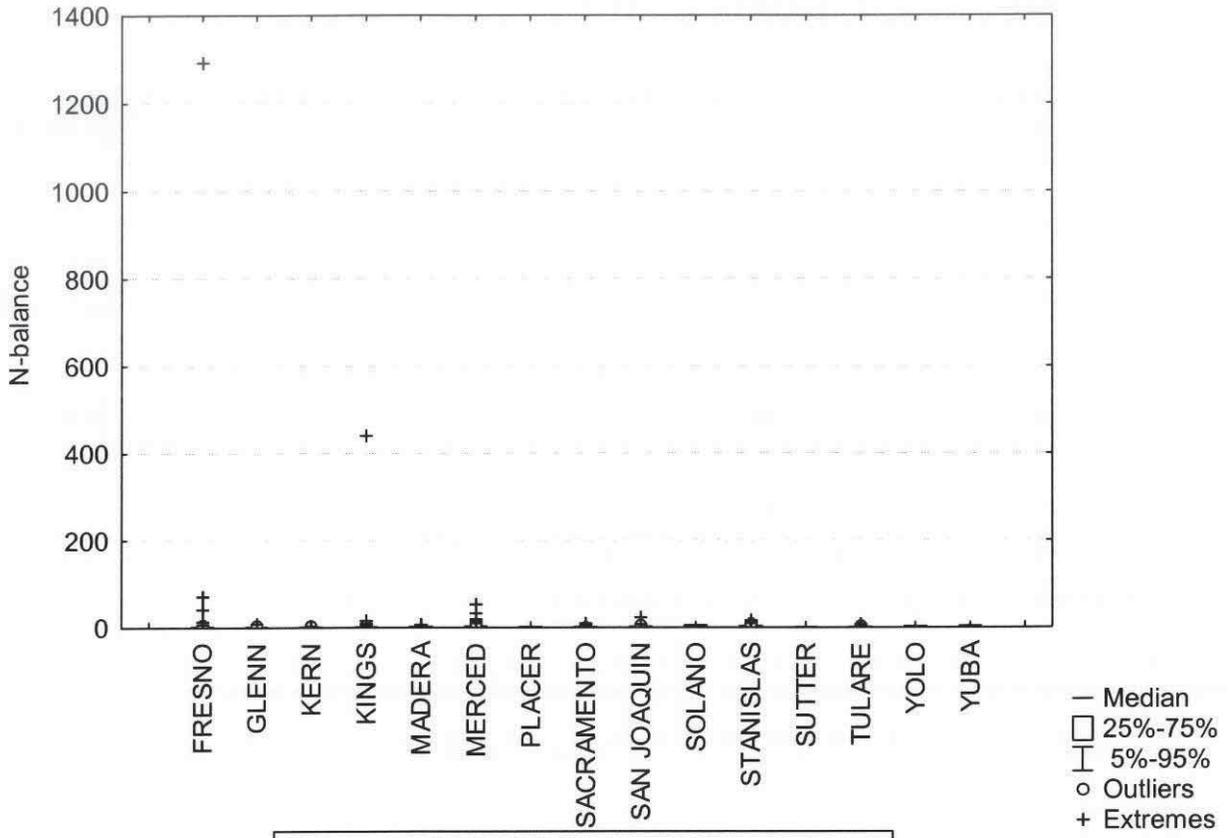
N-balance: KW-H(1,1311) = 1.8473, p = 0.1741

Box Plot (cows and nitrogen balance.sta 5v*1479c)



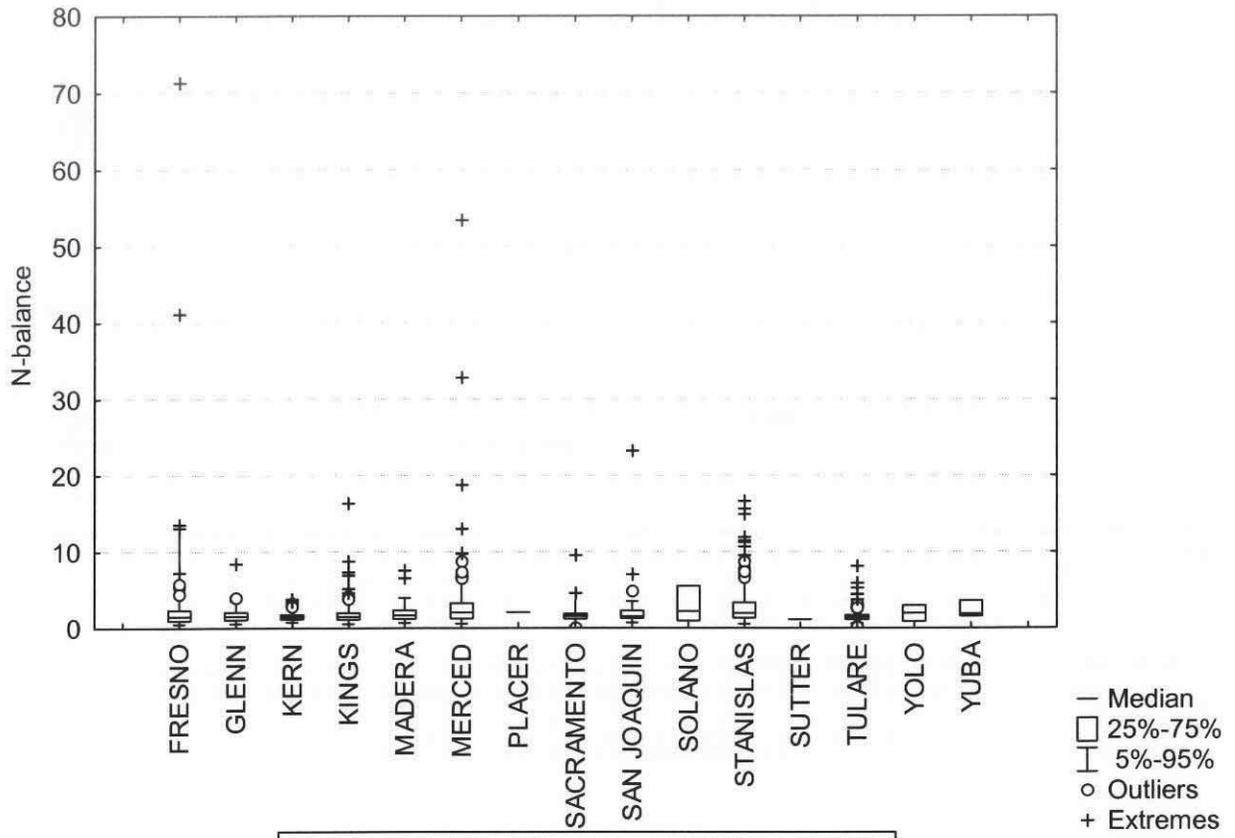
N-balance: KW-H(1,1311) = 1.8473, p = 0.1741

Box Plot (cows and nitrogen balance.sta 5v*1479c)



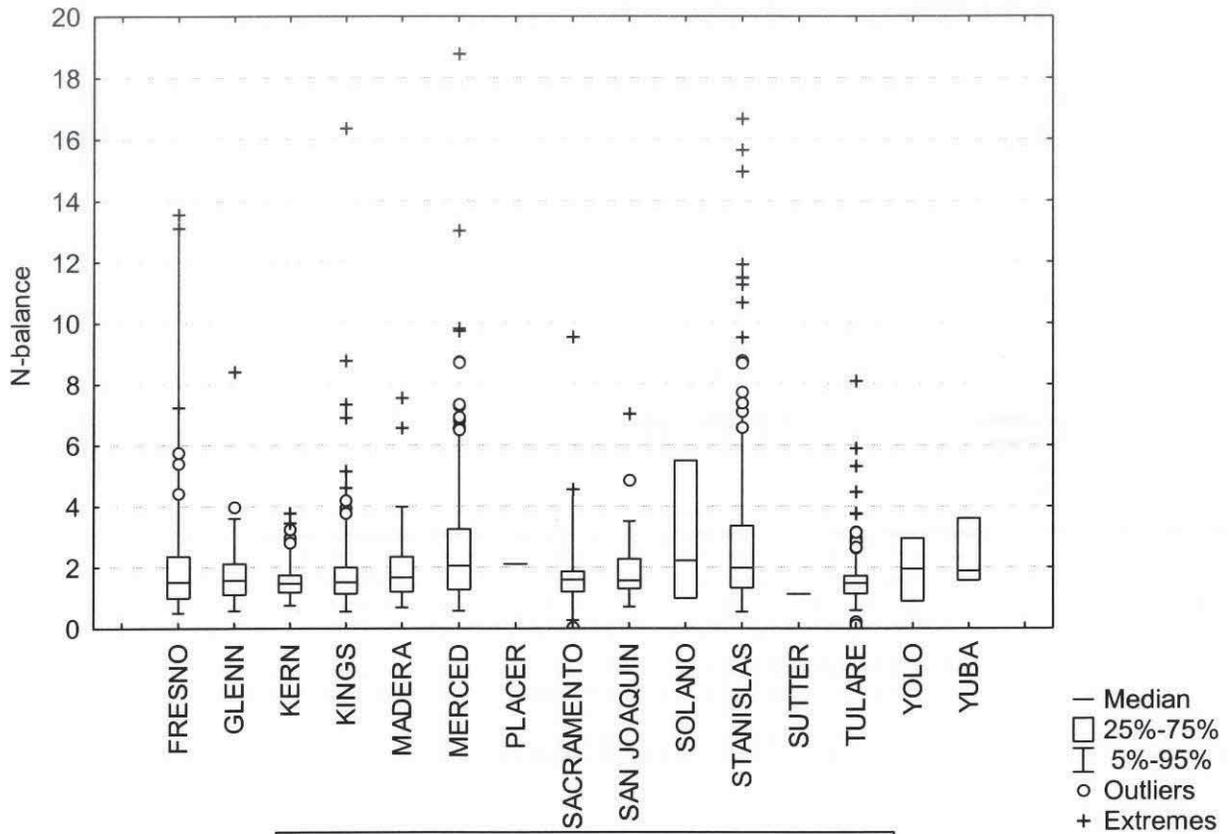
N-balance: KW-H(14,1311) = 88.8707, p = 0.0000

Box Plot (cows and nitrogen balance.sta 5v*1479c)



N-balance: KW-H(14,1311) = 88.8707, p = 0.0000

Box Plot (cows and nitrogen balance.sta 5v*1479c)



N-balance: KW-H(14,1311) = 88.8707, p = 0.0000