4. WASTEWATER DATA

4.1 Major Data Sources

Table 4.1: Summary Table of Data Sources

Source	Item/Data	Website Address	Contact	Phone Number
Central Valley Regional Water Quality Control Board, Fresno	Wastewater treatment facilities information	http://www.waterboards.ca.gov/centralvalley/	Doug Patteson	(559) 445-5156
Central Valley Regional Water Quality Control Board, Fresno	Biosolids information	http://www.waterboards.ca.gov/centralvalley/	Ron Holcomb	(559) 445-6050
California State Water Resources Control Board	CIWQS (California Integrated Water Quality System)	http://www.waterboards.ca.gov/water_issues/programs/ciwqs/index.shtml		
California State Water Resources Control Board	Wastewater Treatment Facilities Database, 2003	http://www.swrcb.ca.gov/cwphome/opcert/docs/wwtp_list.pdf		
California State Association of Counties	Areas of Counties	http://www.csac.counties.org/default.asp?id=398		
California State University, Chico	"Status Report: Onsite Wastewater Treatment Systems in California"	http://www.csuchico.edu/cwtrc/PDFFILES/statusreportdraft.pdf		

Note: The availability of online wastewater data is limited, especially for data with regard to the operation of wastewater treatment facilities. All operational data of wastewater treatment facilities, such as treatment capacity and discharge volume, are located at the respective Regional Water Quality Control Board office. Monitoring for these facilities, in the form of Self-Monitoring Reports, can also be found the Regional Water Quality Control Board.

4.2 Summary of Coverage

Table 4.2 below lists all of the counties located in the Central Valley area and the number of septic systems in each county. The number of septic systems per county is taken from the US EPA document "Status Report: Onsite Wastewater Treatment Systems in California" submitted by California State University, Chico. The area of each county is

based on information from the California State Association of Counties. The septic system density is calculated by simply dividing the number of septic tanks in each county by its respective area. All of these data also include those portions of counties that are outside the Central Valley region as defined by the boundary of the CVRWQCB. For example, a large portion of Kern County is located outside the Central Valley region. We made no attempt to separate the county data into in-region and out-of-region categories.

Table 4.2: Septic Tank Density for all Counties in the Central Valley Region

County	Number of Septic Tanks	Area of County (mi^2)	Density ($tanks/mi^2$)
Alameda	4,489	821.2	5.47
Alpine	636	743.2	0.86
Amador	10,020	604.7	16.57
Butte	44,314	1,677.1	26.42
Calaveras	16,128	1,036.8	15.56
Colusa	2,613	1,156.2	2.26
Contra Costa	11,222	802.1	13.99
El Dorado	33,754	1,788.0	18.88
Fresno	44,126	6,017.4	7.33
Glenn	4,830	1,327.2	3.64
Kern	46,939	8,161.5	5.75
Kings	5,533	1,391.5	3.98
Lake	13,452	1,329.5	10.12
Lassen	6,154	4,720.4	1.30
Madera	18,526	2,153.4	8.60
Mariposa	6,754	1,462.8	4.62
Merced	15,000	1,971.9	7.61
Modoc	3,275	4,203.4	0.78
Napa	9,860	788.2	12.51
Nevada	22,988	974.5	23.59
Placer	23,315	1,502.8	15.51
Plumas	9,724	2,613.5	3.72
Sacramento	19,349	995.5	19.44
San Benito	4,993	1390.8	3.59
San Joaquin	28,800	1,426.3	20.19
Shasta	29,116	3,847.4	7.57
Sierra	1,632	962.0	1.70
Siskiyou	10,433	6,347.5	1.64
Solano	6,069	906.7	6.69
Stanislaus	26,585	1,514.7	17.55
Sutter	11,971	608.5	19.67
Tehama	14,319	2,962.3	4.83

County	Number of Septic Tanks	Area of County (mi^2)	Density ($tanks/mi^2$)
Tulare	34,981	4,839.1	7.23
Tuolumne	16,013	2,274.3	7.04
Yolo	5,384	1,022.9	5.26
Yuba	6,866	643.7	10.67

4.2.1 Wastewater Treatment Facility Locations

Note for Table 4.3: The addresses for the wastewater treatment facilities in the table below were taken from the State Water Resources Control Board's CIWQS database. From the CIWQS Public Reports page, the "Facility-at-a-Glance" link was used to run the query. All the counties in the Central Valley region were selected for the query, and under "Enter a facility name" the term "WWT" was used. This was done because CIWQS does not have the capability of letting the user select was type of facility is being searched. The list generated by CIWQS was then exported to Excel. All of the latitudes and longitudes for each facility were acquired by using a mapping software or online mapping service. Several of the addresses were estimated by using the nearest cross streets, and if those were not available, the center of the city the facility is located in was used.

Table 4.3: Wastewater Treatment Facilities in the Central Valley

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
DUBLIN SAN RAMON SD WWTP	7399 Johnson Dr, Pleasanton, CA 94588	Alameda	37.689	-121.914
Raymond A. Boege Alvarado WWTP	5072 Benson Rd, Union City, CA 94587	Alameda	37.592	-122.090
VALLECITOS NUCLEAR CENTER WWTP	6705 Vallecitos Rd, Sunol, CA 94586	Alameda	37.604	-121.839
BEAR VALLEY WWTP	Bear Valley, CA	Alpine	38.461	-120.038
KIRKWOOD MEADOWS WWTF	Kirkwood, CA	Alpine	38.703	-120.052
Amador Christian Center WWTF	Latrobe Road and Highway 16, Plymouth, CA	Amador	38.453	-120.917
CAMANCHE NORTH SHORE WWTP	2000 Camanche Rd, Ione, CA 95640	Amador	38.293	-120.927
CITY OF IONE WWTP	W Marlette St & Old Stockton Ione Hwy & 5 Mile Dr, Ione, CA 95640	Amador	38.353	-120.958
City of Jackson WWTP	Jackson, CA	Amador	38.349	-120.774
CSA 3-LAKE CAMANCHE WWTP	Camanche Village, Wallace, CA	Amador	38.270	-120.972
GAYLA MANOR WWTP	Pine Grove, California	Amador	38.413	-120.655
Mokelumne Bluffs WWTP	Pine Grove, California	Amador	38.413	-120.655
MULE CREEK STATE PRISON WWTP	4001 State Highway 104, Ione, CA 95640	Amador	38.350	-120.926
RIVER PINES WWTP	River Pines, California	Amador	38.546	-120.742
SUTTER CREEK WWTP	Sutter Creek, CA	Amador	38.392	-120.804
THE OAKS COMMUN ASSOC-WWTF	5607 Jackson Valley Rd, Ione, CA 95640	Amador	38.303	-120.900
Biggs WWTP	Biggs, CA	Butte	39.412	-121.713
Butte College WWTP	3536 Butte Campus Dr, Oroville, CA 95965	Butte	39.650	-121.649
CHICO MOBILE COUNTRY CLUB WWTP	1901 Dayton Rd, Chico, CA 95928	Butte	39.702	-121.848
CHICO REG WWTP CONST DEWATER	Chico River Rd & Alberton Ave, Chico, CA 95928	Butte	39.701	-121.903
GRIDLEY WWTF	E Gridley Rd, Gridley, CA 95948	Butte	39.363	-121.652

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
Oroville WWTP	2880 S 5th Ave, Oroville, CA 95965	Butte	39.486	-121.563
Pheasant Landing III HA WWTP	Garner Ln, Chico, CA 95973	Butte	39.802	-121.891
SIERRA MOON HA WWTF	Chico, CA	Butte	39.759	-121.815
VILLAS, THE AT BUTTE CRK WWTP	549 Mission Santa Fe Cir, Chico, CA 95926	Butte	39.751	-121.864
ARNOLD WWTP	Arnold, CA	Calaveras	38.235	-120.365
BIG TREES COUNTRY HOUSES WWTP	Camp Connell, California	Calaveras	38.308	-120.277
CAMANCHE SOUTH SHORE WWTP	Pattison Rd, Valley Springs, CA 95252	Calaveras	38.215	-120.921
CAMPGROUND WWTF	1071 Avery Sheep Ranch Rd, Mountain Ranch, CA 95246	Calaveras	38.193	-120.437
City of Angels WWTP	Centennial Rd, Angels City, CA 95222	Calaveras	38.060	-120.538
COPPER COVE WWTP	Little John Rd, Copperopolis, CA 95228	Calaveras	37.954	-120.651
DOUGLAS FLAT/VALLECITO WWTP	Douglas Flat, California	Calaveras	38.114	-120.455
EBMUD PARDEE CENTER WWTF	Valley Springs, CA 95252	Calaveras	38.163	-120.830
FOREST MEADOWS WWTP	1040 Forest Meadows Dr, Murphys, CA 95247	Calaveras	38.163	-120.413
INDIAN ROCK VINEYARDS WWTP	Pennsylvania Gulch, Murphys, CA	Calaveras	38.130	-120.439
MILL WOODS WWTF	Arnold, CA	Calaveras	38.235	-120.365
MOKELUMNE HILL WWTF	Mokelumne Hill, CA	Calaveras	38.297	-120.704
MURPHYS WWTF	735 6 Mile Rd, Murphys, CA 95247	Calaveras	38.124	-120.463
NEW HOGAN LAKE WWTP	2713 Hogan Dam Rd, Valley Springs, CA 95252	Calaveras	38.139	-120.809
SAN ANDREAS WWTF	675 Gold Oak Rd, San Andreas, CA 95249	Calaveras	38.199	-120.688
SIERRA RIDGE WWTP	Hwy 49 & Fricot City Rd, San Andreas, CA 95249	Calaveras	38.132	-120.634
SOUTHWORTH RANCH ESTATES WWTF	Wallace, CA	Calaveras	38.194	-120.977
TOYON BUSINESS PARK WWTF	Valley Springs, CA	Calaveras	38.194	-120.815
VALLEY SPRINGS SD WWTF	Hwy 26 & E Hwy 12, Valley Springs, CA 95252	Calaveras	38.211	-120.764
WEST POINT WWTP	Hwy 26 & Sandy Gulch Ln, Wilseyville, CA	Calaveras	38.378	-120.542
ARBUCKLE WWTP	Arbuckle, CA	Colusa	39.020	-122.061
COLUSA WWTP	Will S Green Rd, Colusa, CA 95932	Colusa	39.199	-122.023
MAXWELL PUD WWTF	Maxwell, California	Colusa	39.276	-122.191
PRINCETON WWTP	Princeton, California	Colusa	39.406	-122.009
Ranch Cortina Estates WWTF	Colusa, CA	Colusa	39.207	-122.010
Williams WWTP	Williams, CA	Colusa	39.156	-122.143
BETHEL ISLAND WWTP	Bethel Island, CA	Contra Costa	38.027	-121.640
Brentwood WWTP	325 Sunset Rd, Brentwood, CA 94513	Contra Costa	37.954	-121.688

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
BYRON WWTF	Bixler Rd & Camino Diablo, Byron, CA	Contra Costa	37.867	-121.623
C & H SUGAR WWTP	830 Loring Ave, Crockett, CA 94525	Contra Costa	38.055	-122.218
CENTRAL CONTRA COSTA SD WWTP	5019 Imhoff Dr, Martinez, CA 94553	Contra Costa	38.000	-122.068
City of PINOLE WWTP	Tennent Ave & Railroad Ave, Pinole, CA 94564	Contra Costa	38.011	-122.295
CLAYTON REGENCY MHP WWTF	16711 Marsh Creek Rd, Clayton, CA 94517	Contra Costa	37.894	-121.795
DELTA DIABLO SAN. DIST. WWTP	2500 Pittsburg Antioch Hwy, Antioch, CA 94509	Contra Costa	38.012	-121.840
GENERAL CHEMICAL- WWTP	501 Nichols Rd, Pittsburg, CA 94565	Contra Costa	38.046	-121.988
Golden Eagle Refinery WWTP	150 Solano Way, Martinez, CA 94553	Contra Costa	38.028	-122.070
HERCULES WWTP	Sycamore Ave, Hercules, CA 94547	Contra Costa	38.012	-122.272
IRONHOUSE WWTF	450 Walnut Meadows Dr, Oakley, CA 94561	Contra Costa	38.003	-121.716
MT. VIEW SANITARY DISTRICT WWTP	Arthur Rd, Martinez, CA 94553	Contra Costa	38.015	-122.090
ORWOOD RESORT WWTF	4451 Orwood Rd, Brentwood, CA 94513	Contra Costa	37.939	-121.612
PORT COSTA WWTP	Canyon Lake Dr, Port Costa, CA 94569	Contra Costa	38.045	-122.186
RODEO Sanitary District WWTP	800 San Pablo Ave, Rodeo, CA 94572	Contra Costa	38.040	-122.263
SHELL MARTINEZ REFINERY WWTP	Marina Vista Ave, Martinez, CA 94553	Contra Costa	38.021	-122.126
WICKLAND OIL- SELBY WWTP	Selby, CA	Contra Costa	38.056	-122.242
AMERICAN RIVER RESORT WWTP	6019 New River Rd, Placerville, CA 95667	El Dorado	38.798	-120.886
CAMINO HEIGHTS WWTP	Camino Heights Dr, Placerville, CA 95667	El Dorado	38.733	-120.715
Cool Village WWTF	Cool, California	El Dorado	38.906	-120.979
DEER CREEK WWTP	Deer Creek, Cameron Park, CA, 95682	El Dorado	38.654	-120.993
El Dorado Irrig Dist Wwtp	4625 Latrobe Rd, El Dorado Hills, CA 95762	El Dorado	38.636	-121.061
FIRST ASSEMBLY OF GOD - WWTP	3500 Missouri Flat Rd, Placerville, CA 95667	El Dorado	38.718	-120.858
GREENSTONE EST MHP - WWTF	4700 Old French Town Rd, Shingle Springs, CA 95682	El Dorado	38.673	-120.887
Hangtown Creek WWTP	2300 Coolwater Creek Rd, Placerville, CA 95667	El Dorado	38.732	-120.848
#18-FRIANT WWTF	Millerton Rd, Friant, CA 93626	Fresno	36.985	-119.675
ACADEMY OF SIERRAS - OWTS	42657 Road 44, Reedley, CA 93654	Fresno	36.565	-119.475
BIG CREEK SCHOOL WWTF	55190 Point Rd, Big Creek, CA 93605	Fresno	37.202	-119.249
BIOLA WWTF	N Howard Ave & W H Ave, Kerman, CA 93630	Fresno	36.801	-120.024
CANYON FORK WWTF	Auberry Rd & Morgan Canyon Rd, Prather, CA 93651	Fresno	37.037	-119.514
CARUTHERS WWTF	W Clemenceau Ave, Caruthers, CA 93609	Fresno	36.536	-119.836
COALINGA STATE HOSPITAL WWTF	24511 West Jayne Avenue, Coalinga, CA 93210	Fresno	36.134	-120.238
COALINGA WWTF	Coalinga, CA	Fresno	36.143	-120.337
COIT COTTON GINNING WWTF	2578 S Lyon Ave, Mendota, CA 93640	Fresno	36.676	-120.478

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
COUNTRY MEADOWS WWTF	20237 Elgin Ave, Dos Palos, CA 93620	Fresno	36.993	-120.635
DEL REY WWTF	11495 E American Ave, Del Rey, CA 93616	Fresno	36.663	-119.583
ELKHORN CORRECTIONAL FACILITY	500 E Elkhorn Ave, Caruthers, CA 93609	Fresno	36.489	-119.796
FARMING D WWTF	S Lassen Ave, Huron, CA 93234	Fresno	36.255	-120.103
FIREBAUGH WWTF	1575 11th St, Firebaugh, CA 93622	Fresno	36.859	-120.456
FOOTHILL MIDDLE SCHOOL WWTF	29147 Auberry Rd, Prather, CA 93651	Fresno	37.013	-119.554
FRESNO CO #18-MIRA BELLA WWTF	Millerton Rd, Friant, CA 93626	Fresno	36.985	-119.675
FRESNO CO #1-TAMARACK ESTATES WWTF	Huntington Lake, California	Fresno	37.230	-119.234
FRESNO CO #30-EL PORVENIR WWTF	W Clarkson Ave & S Derrick Blvd, Cantua Creek, CA 93608	Fresno	36.501	-120.389
FRESNO CO #31B-SHAVER LAKE WWTF	39360 Solitude St, Shaver Lake, CA 93664	Fresno	37.084	-119.344
FRESNO CO #32-CANTUA CREEK WWTF	S San Mateo Ave & W Elkhorn Ave, Cantua Creek, CA 93608	Fresno	36.486	-120.320
FRESNO CO #34-MILLERTON NEW TOWN WWTF	Brighton Crest Dr, Friant, CA 93626	Fresno	36.978	-119.648
FRESNO CO #38-SKY HARBOUR WWTF	Sky Harbour Rd, Friant, CA 9362	Fresno	37.009	-119.641
FRESNO CO #40-SHAVER SPRINGS WWTF	Tollhouse Rd, Shaver Lake, CA 93664	Fresno	37.158	-119.243
FRESNO CO #41-SHAVER LAKE WWTF	Solitude, Shaver Lake, CA 93664	Fresno	37.086	-119.337
FRESNO CO #44A-MILLERTON LAKE MHV WWTF	Millerton Lake	Fresno	37.032	-119.633
FRESNO CO #44-D MONTE VERDE ESTATES WWTF	N Willow Ave & Copper Ave, Clovis, CA 93619	Fresno	36.896	-119.729
FRESNO CO #47-QUAIL LAKE WWTF	E Shaw Ave & N McCall Ave, Fresno, CA	Fresno	36.808	-119.610
FRESNO CO JUVENILE JUSTICE WWTF	3333 E American Ave, Fresno, CA 93725	Fresno	36.663	-119.730
FRESNO REGIONAL WWTF	5607 W Jensen Ave, Fresno, CA 93706	Fresno	36.706	-119.893
HUME LAKE CHRISTIAN CAMP WWTF	64144 Hume Lake Rd, Hume, CA 93633	Fresno	36.809	-118.906
HURON WWTF	36311 S Lassen Ave, Huron, CA 93234	Fresno	36.206	-120.103
I-5 & DORRIS AVE WWTF	S Sonoma Ave & W Dorris Ave, Coalinga, CA 93210	Fresno	36.254	-120.240
I-5 & PANOCHE RD WWTF	Fresno County, CA	Fresno	36.638	-120.624
KERMAN WWTF	15480 W Church Ave, Kerman, CA 93630	Fresno	36.713	-120.069
LAKESHORE RESORT WWTF	Lakeshore, California	Fresno	37.252	-119.174
LATON WWTF	S Fowler Ave, Laton, CA 93242	Fresno	36.459	-119.690
MALAGA CWD WWTF	3749 S Maple Ave, Fresno, CA 93725	Fresno	36.680	-119.745
MENDOTA WWTF	Bass Ave, Mendota, CA 93640	Fresno	36.780	-120.372
NEW AUBERRY WWTF	Wilson Rd, Auberry, CA 93602	Fresno	37.094	-119.497
NORTH FRESNO WWRF	1660 E Copper Ave, Clovis, CA 93619	Fresno	36.895	-119.753

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
ORANGE COVE WWTF	Monson Ave & Parlier Ave, Orange Cove, CA 93646	Fresno	36.610	-119.331
PARLIER WWTF	E Manning Ave & S Bethel Ave, Parlier, CA 93648	Fresno	36.605	-119.574
PLEASANT VALLEY STATE PRISON WWTF	25600 Jayne Ave, Coalinga, CA 93210	Fresno	36.137	-120.256
REEDLEY WWTF	1295 E Olsen Ave, Reedley, CA 93654	Fresno	36.584	-119.461
RIVERDALE WWTF	Riverdale, CA	Fresno	36.430	-119.865
SAN JOAQUIN WWTF	San Joaquin, CA	Fresno	36.607	-120.188
SANGER WWTF	333 North Ave, Sanger, CA 93657	Fresno	36.692	-119.542
SHERWOOD MHP WWTF	2339 S Frankwood Ave, Sanger, CA 93657	Fresno	36.696	-119.448
SIERRA HIGH SCHOOL WWTF	33326 LODGE Rd., Tollhouse, CA 93667	Fresno	37.038	-119.454
SKF CSD WWTF	11301 E Conejo Ave, Kingsburg, CA 93631	Fresno	36.517	-119.587
TRANQUILITY WWTF	James Rd, Tranquillity, CA 93668	Fresno	36.634	-120.263
WISH I AH CARE CENTER WWTF	35680 Wish I Ah Rd, Auberry, CA 93602	Fresno	37.106	-119.498
WOODWARD BLUFFS MHP WWTF	9360 N Blackstone Ave, Fresno, CA 93720	Fresno	36.873	-119.791
WWTF	E Manning Ave & S Zediker Ave, Parlier, CA 93648	Fresno	36.604	-119.520
HAMILTON CITY CSD WWTP	Hamilton City, CA	Glenn	39.746	-122.014
ORLAND, CITY OF WWTP	Orland, CA	Glenn	39.747	-122.187
WILLOWS WWTP	Willows, CA	Glenn	39.514	-122.200
ARVIN WWTF	Arvin, CA	Kern	35.190	-118.823
BAKERSFIELD WWTP #2	1700 E Planz Rd, Bakersfield, CA 93307	Kern	35.324	-118.985
BAKERSFIELD WWTP #3	8101 Ashe Rd, Bakersfield, CA 93313	Kern	35.281	-119.074
BEAR VALLEY CSD WWTF	29951 N Lower Valley Rd, Tehachapi, CA 93561	Kern	35.166	-118.661
BLACK MOUNTAIN WWTF	Keene, CA	Kern	35.239	-118.582
BUTTONWILLOW WWTF	Buttonwillow, CA	Kern	35.399	-119.474
CAMERON POINTE WWTF	Lerdo Hwy & Ralt St, Buttonwillow, CA 93206	Kern	35.499	-119.546
CCI Tehachapi WWTF	24900 Highway 202ND, Tehachapi, CA 93561	Kern	35.117	-118.505
DELANO WWTF	Lytle Ave & W Industry Way, Delano, CA 93215	Kern	35.768	-119.303
ERRO RANCH WWTF	19400 Taft Hwy, Bakersfield, CA 93311	Kern	35.267	-119.247
FIVE AND FORTY SIX WWTF	Hwy 46 & Aloma St, Lost Hills, CA 93249	Kern	35.616	-119.657
GOLDEN HILLS WWTF	Tehachapi, CA	Kern	35.131	-118.441
I-5 AT HWY 58 WWTF	Bowerbank, California	Kern	35.399	-119.408
KERN CO SHERIFF`S LERDO WWTF	Lerdo Hwy & Quality Rd, Bakersfield, CA 93308	Kern	35.499	-119.112
KERN SANITATION AUTHORITY WWTF	4101 Kimber Ave, Bakersfield, CA 93307	Kern	35.352	-118.958
KERN VALLEY HOSPITAL WWTP	6412 Laurel Ave, Lake Isabella, CA 93240	Kern	35.634	-118.405

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
LAKE ISABELLA WWTF	Lake Isabella, CA	Kern	35.619	-118.484
LAMONT WWTF	6525 E Bear Mountain Blvd, Bakersfield, CA 93307	Kern	35.208	-118.928
LOST HILLS WWTF	21331 Hwy 46, Lost Hills, CA 93249	Kern	35.615	-119.686
MARICOPA WWTF	Maricopa, CA	Kern	35.058	-119.401
MCALLISTER RANCH WWTF	14430 Panama Ln, Bakersfield, CA 93311	Kern	35.296	-119.158
MCFARLAND WWTF	Elmo Hwy & Melcher Rd, McFarland, CA 93250	Kern	35.688	-119.276
MULBERRY MANOR MHP WWTF	5000 Pierce Rd, Bakersfield, CA 93308	Kern	35.404	-119.043
NORTH OF RIVER WWTF	28970 7th Standard Rd, Shafter, CA 93263	Kern	35.442	-119.347
SHAFTER AIRPORT WWTF	201 Aviation St, Shafter, CA 93263	Kern	35.503	-119.187
STALLION SPRINGS WWTF	28500 Stallion Springs Dr, Tehachapi, CA 93561	Kern	35.082	-118.636
STOCO WWTF	Stockdale Hwy & Trask St, Bakersfield, CA 93314	Kern	35.354	-119.332
STONYBROOK WWTF	Keene, CA	Kern	35.239	-118.582
Taft City WWTF	Airport Rd & E Ash St, Taft, CA 93268	Kern	35.151	-119.432
TAFT FEDERAL PRISON WWTF	1510 Cadet Rd, Taft, CA 93268	Kern	35.097	-119.408
Tehachapi City Wwtp	Enterprise Way, Tehachapi, CA 93561	Kern	35.137	-118.454
TEHACHAPI CORRECTIONAL INST WWTF	City Dump Rd, Tehachapi, CA 93561	Kern	35.139	-118.461
TEJON INDUSTRIAL COMPLEX WWTF	Lebec, CA	Kern	34.842	-118.865
WASCO STATE PRISON WWTF	15215 Scofield Ave, Wasco, CA 93280	Kern	35.600	-119.402
WASCO WWTF	Wasco, CA	Kern	35.601	-119.344
WWTF	Burbank St & Shafter Ave, Shafter, CA 93263	Kern	35.470	-119.278
ARMONA CSD WWTF	Hume Ave & Oak Ave, Armona, CA 93202	Kings	36.305	-119.702
AVENAL WWTF	Avenal, CA	Kings	36.028	-120.112
CORCORAN STATE PRISON WWTF	4001 King Ave, Corcoran, CA 93212	Kings	36.065	-119.557
CORCORAN WWTF	Pueblo Ave & 5th Ave, Corcoran, CA 93212	Kings	36.079	-119.554
EL DORADO MHP WWTF	9630 Hwy 41, Lemoore, CA 93245	Kings	36.381	-119.809
HANFORD WWTF	10555 Houston Ave, Hanford, CA 93230	Kings	36.298	-119.646
KETTLEMAN CITY WWTF	Kettleman City, CA	Kings	36.008	-119.963
LEMOORE NAS WWTF	25th St & Franklin Ave, Lemoore Station, CA 93245	Kings	36.263	-119.905
LEMOORE WWTF	18 1/2 Ave & W Iona Ave, Lemoore, CA 93245	Kings	36.283	-119.789
STRATFORD WWTF	Stratford, CA	Kings	36.189	-119.822
CLEARLAKE OAKS CO WTR DIS WWTP	Clearlake Oaks, CA	Lake	39.020	-122.675
METEOR RANCH WWTF	2255 W Hwy 20, Upper Lake, CA 95485	Lake	39.174	-122.946
CDC CCWF & VSP WWTF	Avenue 24 & Road 22, Chowchilla, CA 93610	Madera	37.098	-120.147

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
CHILDREN`S HOSPITAL WWTF	9300 Valley Childrens Pl, Madera, CA 93636	Madera	36.886	-119.802
CHOWCHILLA WWTF	Road 16 & Avenue 24 1/2, Chowchilla, CA 93610	Madera	37.105	-120.256
DMP DEV CORP OAKHURST WWTP	Oakhurst, CA	Madera	37.332	-119.650
GATEWAY VILLAGE WWTF	Hwy 41 & Avenue 12, Madera, CA 93636	Madera	36.923	-119.798
GUNNER RANCH WWTF	Avenue 9 & Road 40, Madera, CA 93636	Madera	36.879	-119.821
LIBERTY HIGH SCHOOL WWTF	Avenue 12 & Road 36, Madera, CA 93636	Madera	36.922	-119.894
MADERA CO #14-CHUKCHANSE WWTF	Road 28 1/2 & Western Way, Madera, CA 93638	Madera	37.034	-120.029
MADERA CO #19-PARKWOOD WWTF	Avenue 12 & Road 27 1/2, Madera, CA 93637	Madera	36.923	-120.046
MADERA CO #22A-OAKHURST WWTF	48382 Black Oak River Rd, Oakhurst, CA 93644	Madera	37.329	-119.664
MADERA CO #24 TEAFORD MEADOW LAKES WWTF	North Fork, California	Madera	37.229	-119.509
MADERA CO #27-GOLDSIDE ESTATES WWTF	Beechwood Way, Madera, CA 93637	Madera	36.975	-120.087
MADERA CO #28 RIPPERDAN WWTF	Avenue 7 & Madera Ave, Madera, CA 93637	Madera	36.851	-120.055
MADERA CO #2-BASS LAKE WWTF	Road 274, Bass Lake, CA	Madera	37.298	-119.526
MADERA CO #37-LA VINA WWTF	La Vina, California	Madera	36.880	-120.110
MADERA CO #6-LAKE SHORE PARK WWTF	Lake Point Dr, Bass Lake, CA 93604	Madera	37.313	-119.537
MADERA CO #7 MARINA VIEW HEIGHTS WWTF	Road 274, Bass Lake, CA	Madera	37.308	-119.535
MADERA CO #8A-NORTH FORK WWTF	North Fork, California	Madera	37.229	-119.509
MADERA WWTF	Avenue 13 & Road 21 1/2, Madera, CA 93637	Madera	36.938	-120.156
Minarets High School WWTP	North Fork, California	Madera	37.229	-119.509
NORTH FORK VILLAGE WWTF	17305 Road 206, Friant, CA 93626	Madera	36.998	-119.729
OAK CREEK MHP WWTF	46041 Road 415, Coarsegold, CA 93614	Madera	37.262	-119.709
QUAIL MEADOWS VILLAGES WWTF	Oakhurst, CA	Madera	37.332	-119.650
RIVER RANCH ESTATES WWTP	10388 Highway 41, Madera, CA 93636	Madera	36.910	-119.793
SIERRA MEADOWS WWTF	41709 Road 600, Ahwahnee, CA 93601	Madera	37.349	-119.734
BADGER PASS WWTF	Yosemite National Park, CA	Mariposa	37.650	-119.716
CEDAR LODGE WWTF	9966 Highway 140, El Portal, CA 95318	Mariposa	37.676	-119.777
COULTERVILLE WWTF	Old Hwy 49, Coulterville, CA 95311	Mariposa	37.696	-120.197
COUTERVILLE WWTF	Coulterville, California	Mariposa	37.710	-120.196
EL PORTAL WWTF	El Portal, California	Mariposa	37.674	-119.781
GLACIER PT WWTF	Glacier Point, Yosemite Valley, CA	Mariposa	37.728	-119.571
MARIPOSA PINES WWTF	Mariposa, CA	Mariposa	37.483	-119.963
MARIPOSA WWTP	4956 Miller Rd, Mariposa, CA 95338	Mariposa	37.471	-119.952

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
SILVERTIP RESORT WWTF	Fish Camp Ln Forest, Fish Camp, CA 93623	Mariposa	37.467	-119.645
SOUTH SHORE RANCHES WWTF	9729 Merced Falls Rd, La Grange, CA 95329	Mariposa	37.647	-120.311
WAWONA WWTF	Wawona, California	Mariposa	37.535	-119.656
YOSEMITE WEST MD WWTF	Wawona, California	Mariposa	37.535	-119.656
YOSEMITE-MARIPOSA KOA WWTF	6323 State Highway 140, Midpines, CA 95345	Mariposa	37.542	-119.919
ATWATER WWTF	550 Commerce Ave, Atwater, CA 95301	Merced	37.341	-120.605
CITY OF MERCED WWTF	Gove Rd, Merced, CA 95341	Merced	37.262	-120.528
DELHI WWTF	South Ave & Canal Dr, Delhi, CA 95315	Merced	37.426	-120.745
DOS PALOS WWTF	Swift Ave, Dos Palos, CA 93620	Merced	37.011	-120.680
Foster Poultry Farms IWWTF	1333 Swan St, Livingston, CA 95334	Merced	37.391	-120.721
FOX HILLS WWTF	Los Banos, CA	Merced	37.066	-120.842
FRANKLIN WWTF	Drake Ave, Merced, CA 95348	Merced	37.323	-120.523
GUSTINE WWTF	Carnation Rd, Gustine, CA 95322	Merced	37.252	-120.978
HILMAR CWD WWTF	Griffith Ave & Williams Ave, Hilmar, CA 95324	Merced	37.386	-120.813
LE GRAND WWTF	13038 Jefferson St, Le Grand, CA 95333	Merced	37.228	-120.251
LIVINGSTON DOMESTIC WWTF	Gallo Rd, Livingston, CA 95334	Merced	37.389	-120.754
LIVINGSTON INDUSTRIAL WWTF	Livingston, CA	Merced	37.386	-120.723
LOS BANOS WWTF	Henry Miller Rd, Los Banos, CA 93635	Merced	37.099	-120.877
PLANADA WWTF	Plainsburg Rd & Toews Ave, Le Grand, CA 95333	Merced	37.277	-120.324
SAN LUIS HILLS WWTF	Santa Nella, California	Merced	37.251	-120.994
SANDY MUSH WWTF	Sandy Mush Rd & S Combs Rd, Merced, CA	Merced	37.185	-120.546
SANTA NELLA WWTF	Santa Nella, California	Merced	37.251	-120.994
SNELLING WWTF	Snelling, California	Merced	37.518	-120.440
WINTON WWTF	8753 Walnut Ave, Winton, CA 95388	Merced	37.389	-120.645
Alturas Municipal WWTP	Alturas, CA	Modoc	41.490	-120.549
BERRYESSA PINES WWTF	4326 Knoxville Rd, Napa, CA 94558	Napa	38.533	-122.227
Calistoga City Dunaweal WWTP	1185 Dunaweal Ln, Calistoga, CA 94515	Napa	38.565	-122.557
CAMPGROUND WWTF	Monticello Rd & Capell Valley Rd, Napa, CA 94558	Napa	38.445	-122.196
CAPELL VALLEY MHP WWTF	6018 Steele Canyon Rd, Napa, CA 94558	Napa	38.446	-122.194
CIRCLE OAKS WWTF	380 Circle Oaks Dr, Napa, CA 94558	Napa	38.413	-122.217
LAKE BERRYESSA RESORT WWTF	5800 Knoxville Rd, Napa, CA 94558	Napa	38.577	-122.253
Meadowood Resort WWTP & Reuse	Saint Helena, CA	Napa	38.503	-122.466
NAPA SD WWTP	950 W Imola Ave, Napa, CA 94559	Napa	38.281	-122.280

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PACIFIC UNION COLLEGE WWTP	Angwin, CA	Napa	38.577	-122.451
Spanish Flat WWT & Disposal Facility	4340 Spanish Flat Loop Rd, Napa, CA 94558	Napa	38.535	-122.225
ST. HELENA CITY WWTP	Saint Helena, CA	Napa	38.503	-122.466
BITNEY SPRINGS WWTF	12398 Bitney Springs Rd, Nevada City, CA 95959	Nevada	39.255	-121.156
CASCADE SHORES WWTF	12515 Artic Close, Nevada City, CA 95959	Nevada	39.265	-120.915
CASCADE SHORES WWTP	14326 Gas Canyon Rd, Nevada City, CA 95959	Nevada	39.256	-120.906
DARKHORSE SUBDIVISION WWTF	13450 Combie Rd, Auburn, CA 95602	Nevada	39.042	-121.093
DONNER SUMMIT WWTP	Soda Springs, CA	Nevada	39.024	-123.314
KINGSBURY GREENS CSD WWTP	15460 Kingsbury Cir, Grass Valley, CA 95949	Nevada	39.145	-121.040
Lake of the Pines WWTP	Lake of the Pines, CA	Nevada	39.040	-121.066
Lake Wildwood WWTP	12622 Pleasant Valley Rd, Penn Valley, CA 95946	Nevada	39.231	-121.218
LK COMBIE MOBILE HOME VLG WWTF	10251 Combie Rd, Auburn, CA 95602	Nevada	39.020	-121.053
Nevada City WWTP	Jordan St, Nevada City, CA 95959	Nevada	39.259	-121.023
PENN VALLEY WWTP	12382 Spenceville Rd, Penn Valley, CA 95946	Nevada	39.175	-121.196
TTSA WWTF	Joerger Dr, Truckee, CA 96161	Nevada	39.329	-120.140
AUBURN RANCHERIA CASINO WWTP	1200 Athens Ave, Lincoln, CA 95648	Placer	38.839	-121.306
Auburn Valley Country Club WWT	Bell Rd & Lone Star Rd & Auburn Valley Rd, Auburn, CA 95602	Placer	39.000	-121.135
AUBURN WWTP	10441 Ophir Rd, Auburn, CA 95603	Placer	38.882	-121.108
Colfax WWTP	Colfax, CA	Placer	39.096	-120.950
Lincoln City Wwtp	2701 Nicolaus Rd, Lincoln, CA 95648	Placer	38.897	-121.333
Placer Cnty SMD No 1 WWTP	11755 Joeger Rd, Auburn, CA 95602	Placer	38.963	-121.109
PLEASANT GROVE WWTP	Phillip Rd, Roseville, CA 95747	Placer	38.795	-121.400
Roseville City Wwtp	1800 Booth Rd, Roseville, CA 95747	Placer	38.736	-121.313
Weimar Institute WWTP	20601 Paoli Ln, Colfax, CA 95713	Placer	39.035	-120.975
ALMANOR LAKESIDE VILLAS WWTF	Lake Almanor, California	Plumas	40.255	-121.154
BAILEY CREEK WWTF	Walker Rd, Westwood, CA 96137	Plumas	40.278	-121.138
Dellecker WWTP	73821 Industrial Way, Portola, CA 96122	Plumas	39.815	-120.362
Gold Mountain WWTF	Blairsden, CA	Plumas	39.781	-120.613
Graeagle WWTP	Blairsden-Graeagle Rd, Graeagle, CA 96103	Plumas	39.771	-120.616
GRIZZLY CREEK RANCH WWTF	5900 Grizzly Rd, Portola, CA 96122	Plumas	39.825	-120.421
Plumas Eureka Estates WWTF	Blairsden, CA	Plumas	39.781	-120.613
Portola WWTP	120 Main St, Portola, CA 96122	Plumas	39.805	-120.471

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
Quincy WWTP & Collection System	900 Spanish Creek Rd, Quincy, CA 95971	Plumas	39.953	-120.933
WHITEHAWK RANCH WWTP	Clio, CA	Plumas	39.745	-120.574
BOYS RANCH WWTF	Sloughhouse, California	Sacramento	38.496	-121.194
COURTLAND WWTF	Courtland, California	Sacramento	38.332	-121.568
DOMESTIC WWTF (SAC CO SD 1)	Mather, CA	Sacramento	37.882	-119.854
ISLETON WWTP	Jackson Blvd, Isleton, CA 95641	Sacramento	38.159	-121.613
PROCTER & GAMBLE CO WWTP	Fruitridge Rd & Power Inn Rd, Sacramento, CA	Sacramento	38.525	-121.409
RANCHO MURIETA CSD WWT & REC	15160 Jackson Rd, Rancho Murieta, CA 9568	Sacramento	38.490	-121.088
RIVER CITY WWTF	Alta Mesa Rd, Galt, CA 95632	Sacramento	38.305	-121.226
SAC EQUESTRIAN CENTER WWTF	Elkhorn Blvd & Lone Tree Rd, Sacramento, CA 95835	Sacramento	38.685	-121.557
SACRAMENTO INTL AIRPORT WWTP	6900 Airport Blvd, Sacramento, CA 95837	Sacramento	38.693	-121.591
SACRAMENTO REGIONAL WWTP	8521 Laguna Station Rd, Elk Grove, CA 95758	Sacramento	38.444	-121.463
WALNUT GROVE WWTP (CSD1)	Walnut Grove, CA	Sacramento	38.243	-121.512
HOLLISTER DOMESTIC WWTP	Hollister, CA	San Benito	36.856	-121.402
HOLLISTER INDUSTRIAL WWTP	South St & Summer Dr, Hollister, CA 95023	San Benito	36.848	-121.419
RANCHO LARIOS WWTP	Avenida del Piero, San Juan Bautista, CA 95045	San Benito	36.848	-121.572
RIDGEMARK ESTATES WWTP	Southside Rd, Hollister, CA 95023	San Benito	36.830	-121.393
SAN BENITO CO WWTP	3200 Southside Rd, Hollister, CA 95023	San Benito	36.819	-121.388
SAN JUAN BAUTISTA WWTP	3rd St & North St, San Juan Bautista, CA 95045	San Benito	36.848	-121.542
TRES PINOS WWTP	8511 Southside Rd, Hollister, CA 95023	San Benito	36.788	-121.327
Apricot Acres WWTF, CSA 44, Zone E	Fair Oaks, Stockton, CA	San Joaquin	37.955	-121.257
LATHROP INDUSTRIAL WWTP	Howland Rd, Lathrop, CA 95330	San Joaquin	37.795	-121.282
Linne Estates WWTF	San Joaquin, CA	San Joaquin	36.607	-120.188
Lockeford CSD WWTP	N Tully Rd, Lockeford, CA 95237	San Joaquin	38.155	-121.141
MANTECA WWTF	Spreckels Ave, Manteca, CA 95336	San Joaquin	37.792	-121.196
MOUNTAIN HOUSE WWTP	Mount House, CA	San Joaquin	37.783	-121.541
Mountain House WWTP - 1	17300 W Bethany Rd, Tracy, CA 95391	San Joaquin	37.780	-121.522
MOUNTAIN HOUSE WWTP -2	222 E Weber Ave, Stockton, CA 95202	San Joaquin	37.953	-121.288
MOUNTAIN HOUSE WWTP -3	Tracy, CA	San Joaquin	37.739	-121.436
MUSCO WWT & LAND DISPOSAL FACILITY	17950 Via Nicolo, Tracy, CA 95377	San Joaquin	37.712	-121.530
Oakwood Lake WWTP	874 E Woodward Ave, Manteca, CA 95337	San Joaquin	37.775	-121.202
RANCHO ENCINO WWTF	E Acampo Rd & N Clements Rd, Clements, CA	San Joaquin	38.177	-121.078
TINSLEY ISLAND WWTF	Tinsley Island, California	San Joaquin	38.038	-121.496

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
TOWER PARK MARINA/VILLAGE WWTF	149 W Hwy 12, Lodi, CA 95242	San Joaquin	38.115	-121.317
Tracy WWTP	3900 Holly Dr, Tracy, CA 95304	San Joaquin	37.765	-121.426
CLEAR CREEK WWTP	2220 Metz Rd, Anderson, CA 96007	Shasta	40.500	-122.371
COTTONWOOD WWTP	Black Ln & Live Oak Rd, Cottonwood, CA 96022	Shasta	40.389	-122.266
LAKE CALIFORNIA WWTP	22099 River View Dr, Cottonwood, CA 96022	Shasta	40.367	-122.191
Palo Cedro WWTF	Charolais Way, Palo Cedro, CA 96073	Shasta	40.526	-122.251
Shasta Lake WWTF	Shasta Lake, CA	Shasta	40.660	-122.356
SHASTA MILL WWTP	Anderson, CA	Shasta	40.451	-122.291
Stillwater WWTF	Airport Rd & Dersch Rd, Anderson, CA	Shasta	40.480	-122.293
CITY OF LOYALTON WWTP	Loyalton, CA	Sierra	39.675	-120.245
CDF&G IRONGATE HATCHERY WWTS	Copco Rd, Hornbrook, CA 96044	Siskiyou	41.938	-122.445
FORT JONES CITY WWTP	Scott River Rd, Fort Jones, CA 96032	Siskiyou	41.640	-122.988
HAPPY CAMP WWTP	Happy Camp, California	Siskiyou	41.792	-123.376
McCloud WWTF	Squaw Valley Rd, McCloud, CA 96057	Siskiyou	41.219	-122.144
MOUNT SHASTA WWTP	1551 S Old Stage Rd, Mt Shasta, CA 96067	Siskiyou	41.284	-122.310
TULELAKE CITY WWTP	Tulelake, CA	Siskiyou	41.953	-121.473
WEED WWTP	Weed, CA	Siskiyou	41.413	-122.381
Yreka City Wwtp	856 N Main St, Yreka, CA 96097	Siskiyou	41.741	-122.633
BENICIA WWTP	614 E 5th St, Benicia, CA 94510	Solano	38.045	-122.150
DIXON MIGRANT CENTER WWTF	7290 Radio Station Rd, Dixon, CA 95620	Solano	38.387	-121.777
DIXON WWTF	6915 Pedrick Rd, Dixon, CA 95620	Solano	38.395	-121.804
Fairfield Suisun Wwtp	1010 Chadbourne Rd, Fairfield, CA 94534	Solano	38.228	-122.083
Rio Vista WWTF	1000 Beach Dr, Rio Vista, CA 94571	Solano	38.150	-121.695
Trilogy WWTP/Northwest WWTP	6001 Airport Rd, Rio Vista, CA 94571	Solano	38.194	-121.713
Vacaville City Easterly Wwtp	Vaca Station Rd, Vacaville, CA 95687	Solano	38.343	-121.906
Vacaville City Industrial WWTP	7050 Leisure Town Rd, Vacaville, CA 95688	Solano	38.403	-121.933
VALLEJO SFCD WWTP	450 Ryder St, Vallejo, CA 94590	Solano	38.091	-122.251
CERES WWTP	4200 Morgan Rd, Ceres, CA 95307	Stanislaus	37.577	-120.975
DEL RIO CSD WWTF	Del Rio, CA	Stanislaus	37.746	-121.014
DEL RIO EAST HOA WWTP	7500 Del Cielo Way, Modesto, CA 95356	Stanislaus	37.748	-121.003
HUGHSON WWTF	Leedom Rd, Hughson, CA 95326	Stanislaus	37.620	-120.879
MODESTO RESERVOIR WWTP	18143 Reservoir Rd, Waterford, CA 95386	Stanislaus	37.657	-120.660
NEWMAN WWTF	2600 Hills Ferry Rd, Newman, CA 95360	Stanislaus	37.332	-120.991

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OAKDALE WWTF	N Liberini Ave, Oakdale, CA 95361	Stanislaus	37.775	-120.867
PATTERSON WWTF	14901 Poplar Ave, Patterson, CA 95363	Stanislaus	37.498	-121.094
RIVERBANK WWTP	Riverbank, CA	Stanislaus	37.732	-120.942
Turlock WWTP	901 S Walnut Rd, Turlock, CA 95380	Stanislaus	37.481	-120.867
WATERFORD WWTP	335 S Western Ave, Waterford, CA 95386	Stanislaus	37.635	-120.767
CITY OF LIVE OAK WWTP	Live Oak, CA	Sutter	39.276	-121.662
DELL WAYNE ESTATES MHP WWTP	3120 Live Oak Blvd, Yuba City, CA 95991	Sutter	39.174	-121.624
ROBBINS WWTF	Riggins Rd, Robbins, CA 95645	Sutter	38.865	-121.718
STONEGATE VILLAGE WWTF	3070 Stonegate Dr, Yuba City, CA 95993	Sutter	39.146	-121.672
SYSCO DISTRIBUTION CENTER WWTP	7062 Pacific Ave, Pleasant Grove, CA 95668	Sutter	38.774	-121.525
Yuba City WWTF	302 Burns Dr, Yuba City, CA 95991	Sutter	39.108	-121.612
BELL CARTER INDUSTRIAL WWTP	Gardiner Ferry Rd & Kopta Rd, Corning, CA 96021	Tehama	39.913	-122.100
CORNING WWTP	Corning, CA	Tehama	39.927	-122.179
MINERAL WWTP	Mineral, CA	Tehama	40.347	-121.597
ASH MOUNTAIN WWTF	Hwy 198, Three Rivers, CA 93271	Tulare	36.388	-118.946
BUCKEYE WWTF	Yosemite National Park, CA	Tulare	38.229	-119.387
CALIF HOT SPRINGS WATER CO WWTF	California Hot Springs, California	Tulare	35.880	-118.677
CEDAR GROVE WWTF	Cedar Grove, CA	Tulare	36.790	-118.669
CLOVER CR WWTF	Miramonte, CA	Tulare	36.605	-118.733
CUTTLER-OROSI WWTF	40401 Road 120, Cutler, CA 93615	Tulare	36.523	-119.304
DELFT COLONY WWTF	Delft Colony, California	Tulare	36.517	-119.440
DINUBA WWTF	6675 Avenue 412, Dinuba, CA 93618	Tulare	36.538	-119.428
EARLIMART WWTF	Howard Rd, Earlimart, CA 93219	Tulare	35.849	-119.285
EXETER WWTF	Road 184 & W Myer Ave, Exeter, CA 93221	Tulare	36.275	-119.163
FACILITY PARTNERS WWTF	1030 N Anderson Rd, Exeter, CA 93221	Tulare	36.304	-119.171
FARMERSVILLE WWTF	Farmersville, CA	Tulare	36.304	-119.207
GIANT FOREST WWTF	47050 Generals Hwy, Three Rivers, CA 93271	Tulare	36.488	-118.835
GRANT GROVE WWTF	Three Rivers, CA	Tulare	36.437	-118.905
IVANHOE WWTF	Ivanhoe, CA	Tulare	36.392	-119.220
LEMON COVE WWTF	Lemon Cove, CA	Tulare	36.371	-119.030
LINDSAY WWTF	23611 Road 196, Lindsay, CA 93247	Tulare	36.224	-119.136
LONDON WWTF	Avenue 376 & Road 60, Dinuba, CA	Tulare	36.473	-119.438
PIXLEY WWTF	Pixley, CA	Tulare	35.973	-119.292

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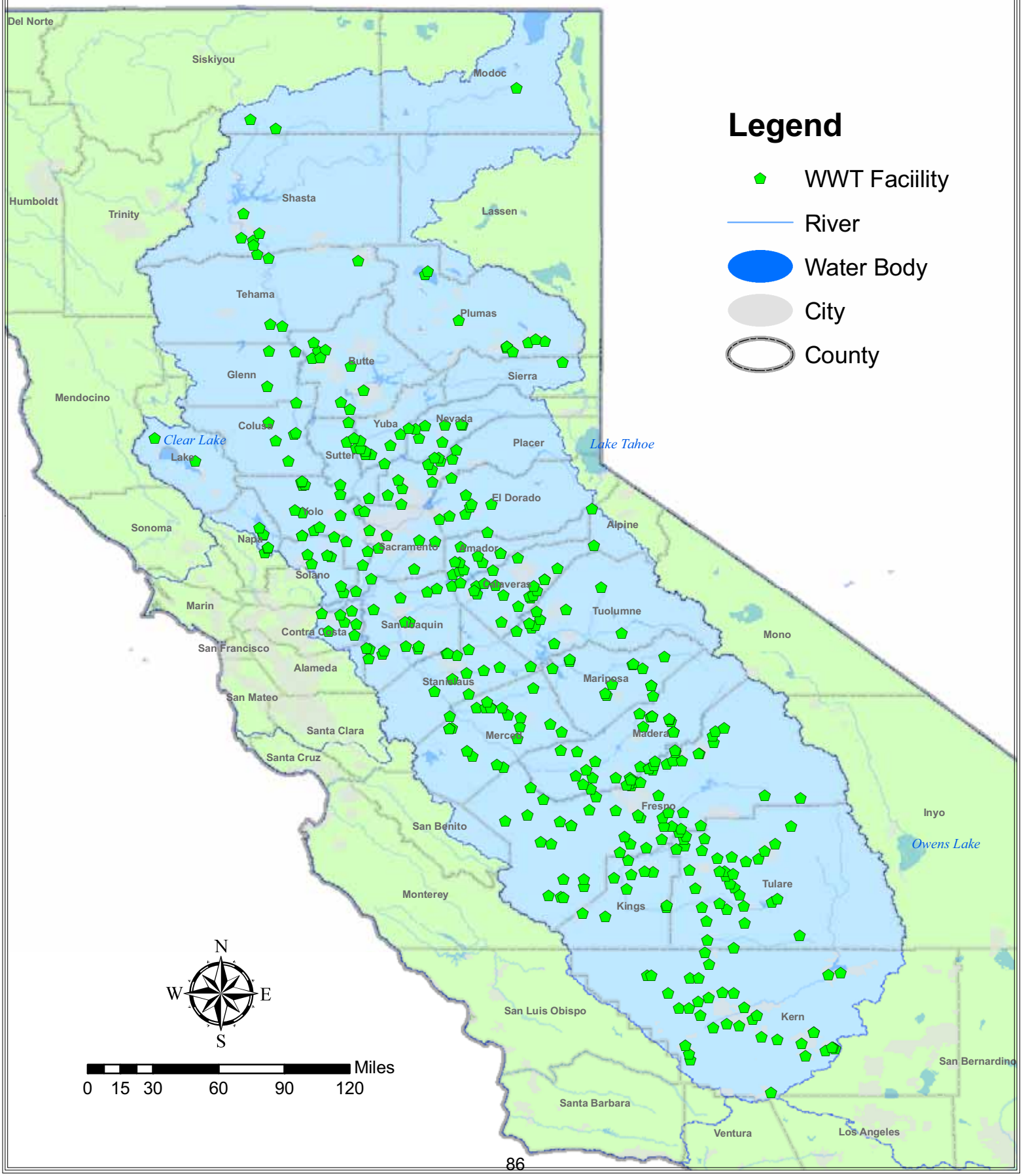
POPLAR WWTF	18453 Avenue 144, Porterville, CA 93257	Tulare	36.051	-119.159
PORTERVILLE WWTF	555 N Prospect St, Porterville, CA 93257	Tulare	36.075	-119.044
RICHGROVE WWTF	Richgrove, CA	Tulare	35.797	-119.110
RIVER ISLAND EAST WWTF	31989 River Island Dr, Springville, CA 93265	Tulare	36.101	-118.859
SEQUOIA FIELD WWTF	36000 Road 112, Visalia, CA 93291	Tulare	36.443	-119.322
SIERRA SHADOWS WWTF	1269 W Lindmore St, Lindsay, CA 93247	Tulare	36.196	-119.106
SPRINGVILLE WWTF	Tule River Dr, Springville, CA 93265	Tulare	36.122	-118.822
STRATHMORE WWTF	Avenue 196 & Hwy 65, Strathmore, CA 93267	Tulare	36.145	-119.072
TERRA BELLA WWTF	Terra Bella, CA	Tulare	35.962	-119.040
TIPTON WWTF	Avenue 152 & S I St, Tipton, CA	Tulare	36.065	-119.321
TOOLEVILLE WWTF	Toolville, California	Tulare	36.287	-119.117
TRAVER WWTF	Traver, CA	Tulare	36.452	-119.490
TULARE WWTF	1875 S West St, Tulare, CA 93274	Tulare	36.190	-119.366
VISALIA WWTF	7579 Avenue 288, Visalia, CA 93277	Tulare	36.312	-119.404
WOODLAKE WWTF	10th Ave N, Woodlake, CA 93286	Tulare	36.399	-119.125
WOODVILLE WWTF	Woodville, CA	Tulare	36.091	-119.204
HACIENDA WWTP	La Grange, California	Tuolumne	37.661	-120.455
KISTLER'S K ARROW RANCH WWTF	Sonora Pass Hwy & Montezuma Rd, Jamestown, CA 95327	Tuolumne	37.919	-120.451
O SHAUGHNESSY WWTP	Moccasin, California	Tuolumne	37.808	-120.301
PINECREST WWTP	Pinecrest, California	Tuolumne	38.188	-119.990
RAWHIDE MOBILE HOME PARK WWTF	8400 Old Melones Rd, Jamestown, CA 95327	Tuolumne	37.948	-120.466
ROLL-IN MHP WWTF	22466 S Airport Rd, Sonora, CA 95370	Tuolumne	38.024	-120.416
SIERRA CONSERVATION CTR-WWTP-1 (NON15)	5100 Obyrnes Ferry Rd, Jamestown, CA 95327	Tuolumne	37.892	-120.550
SONORA REGIONAL WWTF	Southgate Dr, Sonora, CA 95370	Tuolumne	37.975	-120.391
Sonora Regional WWTP/Jamestown Sanitary District WWTP	Karlee Ln, Jamestown, CA 95327	Tuolumne	37.932	-120.426
TWAIN HARTE WWTP	Twain Harte, CA	Tuolumne	38.036	-120.224
BILL/KATHY' S WWTF	Road 89, Dunnigan, CA 95937	Yolo	38.885	-121.970
DAVIS MIGRANT CENTER WWTF	31150 County Road 105, Dixon, CA 95620	Yolo	38.485	-121.676
Davis WWTP	Old Davis Rd & Levee Rd, Dixon, CA 95620	Yolo	38.520	-121.757
D-Q UNIVERSITY WWTF	33250 County Rd. 31, Davis, CA 95617	Yolo	38.561	-121.888
DUNNIGAN ROADSIDE REST WWTF	Interstate 5, Dunnigan, CA 95937	Yolo	38.883	-121.974

Facility Name	Facility Address	County	Latitude (degrees)	Longitude (degrees)
DUNNIGAN WATER WORKS WWTF	5160 County Road 99W, Dunnigan, CA 95937	Yolo	38.864	-121.951
ERNIE GADDINI WWTF	Winters, CA	Yolo	38.525	-121.970
ESPARTO CSD WWTF	Esparto, CA	Yolo	38.693	-122.017
Knights Landing CSD WWTP	Knights Landing, California	Yolo	38.799	-121.717
MADISON WWTF	Madison, California	Yolo	38.681	-121.967
PILOT TRAVEL CENTER 168 WWTF	County Road 8, Dunnigan, CA 95937	Yolo	38.861	-121.965
SKY DIVING FACILITY WWTP	24390 Aviation Ave, Davis, CA 95616	Yolo	38.584	-121.852
West Sac City WWTP	1991 S River Rd, West Sacramento, CA 95691	Yolo	38.563	-121.523
WINTERS WWTF	Winters, CA	Yolo	38.525	-121.970
WOODLAND WWTP	42929 County Road 24, Woodland, CA 95776	Yolo	38.662	-121.714
WWTF, CLARKSBURG	Willow Ave, Clarksburg, CA 95612	Yolo	38.421	-121.533
BEALE AFB WWTP	6451 B St, Beale AFB, CA 95903	Yuba	39.125	-121.385
CITY OF WHEATLAND WWTP	Malone Ave, Wheatland, CA 95692	Yuba	39.006	-121.422
ENGLEBRIGHT LAKE WWTF	Englebright Dam Rd, Smartville, CA 95977	Yuba	39.236	-121.264
HAMMONTON GOLD VILLAGE WWTP	Hammonton Smartville Rd, Smartville, CA 95977	Yuba	39.197	-121.319
Linda Cnty W D Wwtp	909 Myrna Ave, Marysville, CA 95901	Yuba	39.101	-121.583
MARYSVILLE WWTP	Marysville, CA	Yuba	39.154	-121.583
OLIVEHURST WWTP	3908 Mary Ave, Marysville, CA 95901	Yuba	39.067	-121.550
PLUMAS LAKE WWTP	Olivehurst, CA	Yuba	39.084	-121.551
YUBA CO MOTORPLEX WWTF	2793 Forty Mile Rd, Marysville, CA 95901	Yuba	39.066	-121.513

Waste Water Treatment Facility Site Locations
STORET Legacy Database



4.3 Data on Biosolids

Information for all biosolids was gathered at the Fresno office of the Central Valley Regional Water Quality Control Board. The contact person for this information is Mr. Ronald Holcomb. This information was gathered was by examining Self-Monitoring Reports that were submitted by each individual facility. These Self-Monitoring Reports are a requirement of each facility, but they vary in terms of the types of information included and the frequency of submittal. These reports are publicly available but they are not available online. Files may be viewed by appointment at the Regional Water Quality Control Board. The purpose of gathering information about biosolids for the Valley's composting sites is to account for the amount of salt movement via the importation of biosolids into the Central Valley that might not be accounted for by only counting the wastewater treatment facilities in the region.

Table 4.4 below contains data from the Liberty Composting site, also known as San Joaquin Composting. The facility is located Kern County. The Los Angeles biosolids come from the Carson City wastewater treatment facility. All other biosolids are from a wide variety of different places, ranging from Carmel City to cities in the Los Angeles area. The amounts of other biosolids also include biosolids from sites inside the Central Valley region, such as Porterville. The compost shipped is the total reported by the facility. These amounts include amounts shipped to locations within and out of the Central Valley region.

Table 4.4: San Joaquin Composting/Liberty Composting Inbound Biosolids and Compost Shipped

Month	Los Angeles Biosolids (tons)	Other Biosolids (tons)	Total Biosolids (tons)	Compost Shipped (tons)
Jan-05	26944.59	7442.04	34386.63	1874.26
Feb-05	21466.13	10674.06	32140.19	6857.38
Mar-05	23810.96	11387.92	35198.88	11154.45
Apr-05	25588.91	9785.61	35374.52	16885.57
May-05	25457.23	7558.78	33016.01	13568.49
Jun-05	23671	8632.67	32303.67	15830.21
Jul-05	24301.76	7846.17	32147.93	17158.77
Aug-05	25667.06	7336.27	33003.33	19101.92
Sep-05	22093.72	8875.14	30968.86	15716.69
Oct-05	23141.83	10506.04	33647.87	24758.54
Nov-05	21614.67	11209.22	32823.89	19973.16
Dec-05	22960.2	12973.12	35933.32	12942.2
Jan-06	20237.42	15901.11	36138.53	6326.78
Feb-06	18465.2	12668.03	31133.23	10579.05
Mar-06	23058.72	13845.56	36904.28	5211.11
Apr-06	23913.79	13355.89	37269.68	3680.97
May-06	26541.35	15582.45	42123.8	17592.95
Jun-06	24577.51	12518.46	37095.97	21591.66
Jul-06	25068.04	11741.56	36809.6	29025.09
Aug-06	24638.74	14717.06	39355.8	19408.87
Sep-06	24131.43	14479.03	38610.46	21035.12

Month	Los Angeles Biosolids (tons)	Other Biosolids (tons)	Total Biosolids (tons)	Compost Shipped (tons)
Oct-06	22234.39	15683.46	37917.85	20183.92
Nov-06	22813.49	13884.95	36698.44	16296.89
Dec-06	23226.17	13465.17	36691.34	11153.8
Jan-07	17537.52	13480.65	31018.17	9591.65
Feb-07	14540.92	11578.53	26119.45	7037.27
Mar-07	15940.09	13981.75	29921.84	11639.59
Apr-07	14149.1	16634.24	30783.34	12118.68
May-07	13979.73	13041.83	27021.56	13002.45
Jun-07	13627.28	12674.09	26301.37	10653.69
Jul-07	12741.69	11118.66	23860.35	18899.18
Aug-07	12397.38	14432.24	26829.62	16864.64
Sep-07	12265.7	10300.83	22566.53	16563.68
Oct-07	12012.07	15986.69	27998.76	17910.97
Nov-07	13368.53	13927.38	27295.91	11816.79
Dec-07	14897.1	13810.26	28707.36	7023.4

Table 4.5 contains information from the El Nido/Synagro Composting site. El Nido Composting site is located in Merced County. Composting operations at the site began only in recent years, and information prior to 2006 is not available. The information for inbound biosolids as well as compost shipped includes all amounts to locations within and out of the Central Valley region. The sources of biosolids for this site are as follows: City of Fresno, Union Sanitary District, San Francisco Airport Treatment Plant, City of Madera, and San Francisco Public Utilities Commission – Southeast and Oceanside Treatment Plants.

Table 4.5: El Nido Composting Inbound Biosolids and Compost Shipped

	Inbound Biosolids (wet tons)	**Compost Shipped (wet tons)**
Jan-06	4915	
Feb-06	4379	
Mar-06	4718	
Apr-06	4941	
May-06	6289	145
Jun-06	5785	1125
Jul-06	5757	173
Aug-06	6282	931
Sep-06	6432	47
Oct-06	6342	3829
Nov-06	4963	8437
Dec-06	4849	6247
Jan-07	6725	3201
Feb-07	5789	1328
Mar-07	6268	691
Apr-07	5637	446
May-07	6942	289
Jun-07	4838	2009

The data in Table 4.6 below are from the South Kern Industrial Composting site. This site is located in Kern County. The facility began operations in 2007 and only began shipping compost offsite in April 2007. The amount of inbound biosolids reported were from Elsinore Valley Municipal Water District, located in Riverside County; Santa Margarita Water District – Chiquita Water Reclamation Plant, located in Orange County; South Orange County Wastewater Authority; Orange County Sanitation District – Reclamation Plant #1 and Reclamation Plant #2; and County Sanitation Districts of Los Angeles County – Joint Water Pollution Control Plant.

Table 4.6: South Kern Composting Inbound Biosolids and Compost Shipped

	Inbound Biosolids (wet tons)	**Outbound Compost (wet tons)**
Jan-07	7794.36	
Feb-07	13724.37	
Mar-07	16407.5	
Apr-07	15982.99	4184.33
May-07	17595.25	7382.93
Jun-07	16192.7	9481.56
Jul-07	16442.28	10516.86
Aug-07	16765.89	17892.65
Sep-07	15304.57	15776.99
Oct-07	16795.99	14414.76
Nov-07	16069.88	15179.8
Dec-07	16217.99	12593.98

4.4 Examples of Data Coverage

Below are the graphs showing temporal coverage based on data collected from the Self-Monitoring Reports that each facility submits according to their respective Waste Discharge Requirements set forth by the Regional Water Quality Control Board. Waste Discharge Requirements for each facility can be found either on the Central Valley Regional Water Quality Control Board website or by contacting the Regional Water Quality Control Board. These Waste Discharge Requirements specify a Monitoring and Reporting Program for each facility that states what data needs to be monitored and reported and the frequency for each submittal of a Self-Monitoring Report.

Figure 4.1 shows the amounts of biosolids brought to the Liberty Composting/San Joaquin Composting facility. Not all biosolids that are brought to the facility are from sources within the Central Valley region. Only a small percentage of these amounts is from sources within the Central Valley. Examples of sources of biosolids for this site include City of Carson, City of Carmel, among many other cities out of the region.

Figure 4.2 shows a comparison of inbound biosolids and compost shipped offsite. The amount of compost shipped includes all compost shipped to locations within and out of the Central Valley region.

Figure 4.3 shows biosolids brought to the El Nido Composting site from various sources. Biosolids brought to this site include sources from within and out of the Central Valley region. Amounts were reported in wet tons. The term "wet tons" refers to the amount of material or product in its natural state before the water is removed.

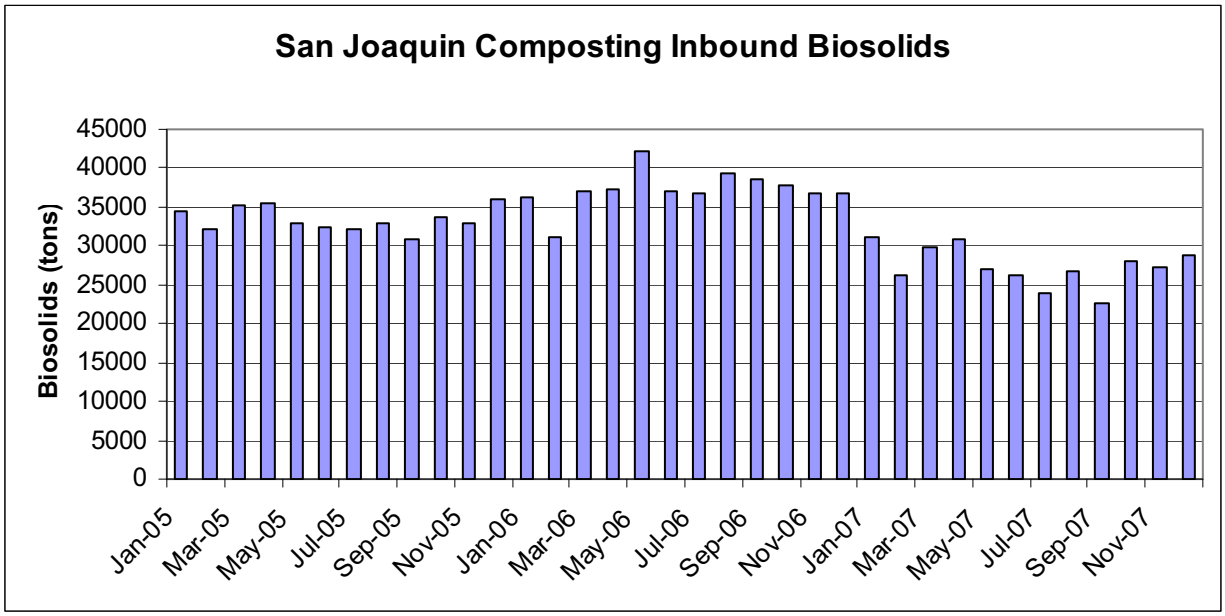


Figure 4.1: Graph . San Joaquin Composting Inbound Biosolids

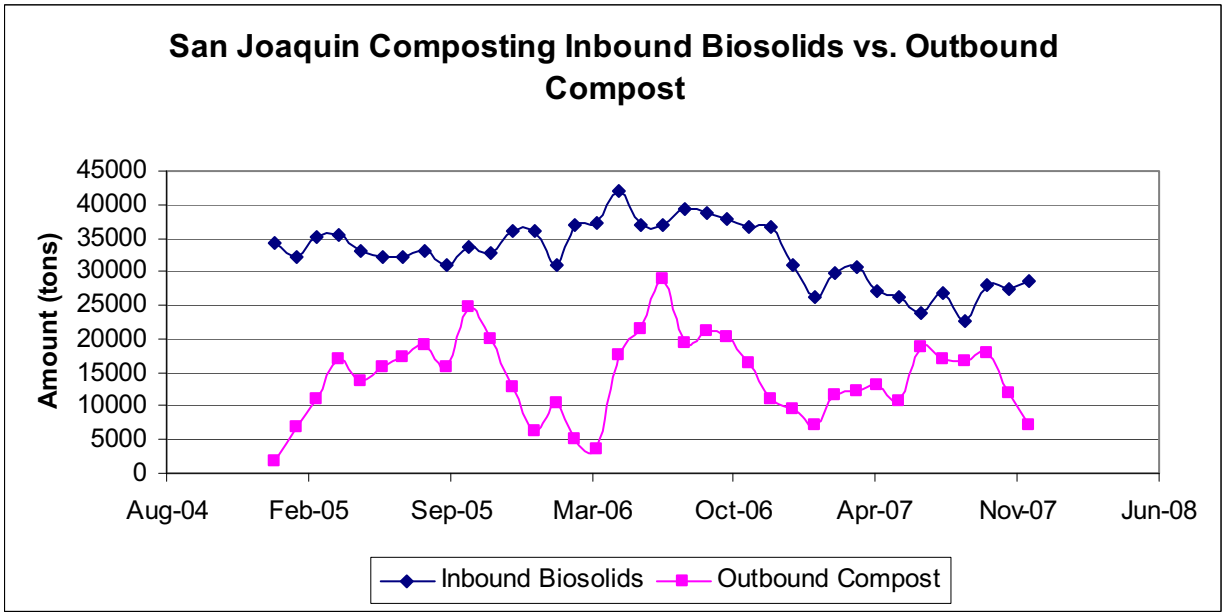


Figure 4.2: San Joaquin Composting Comparison of Inbound Biosolids and Compost Shipped

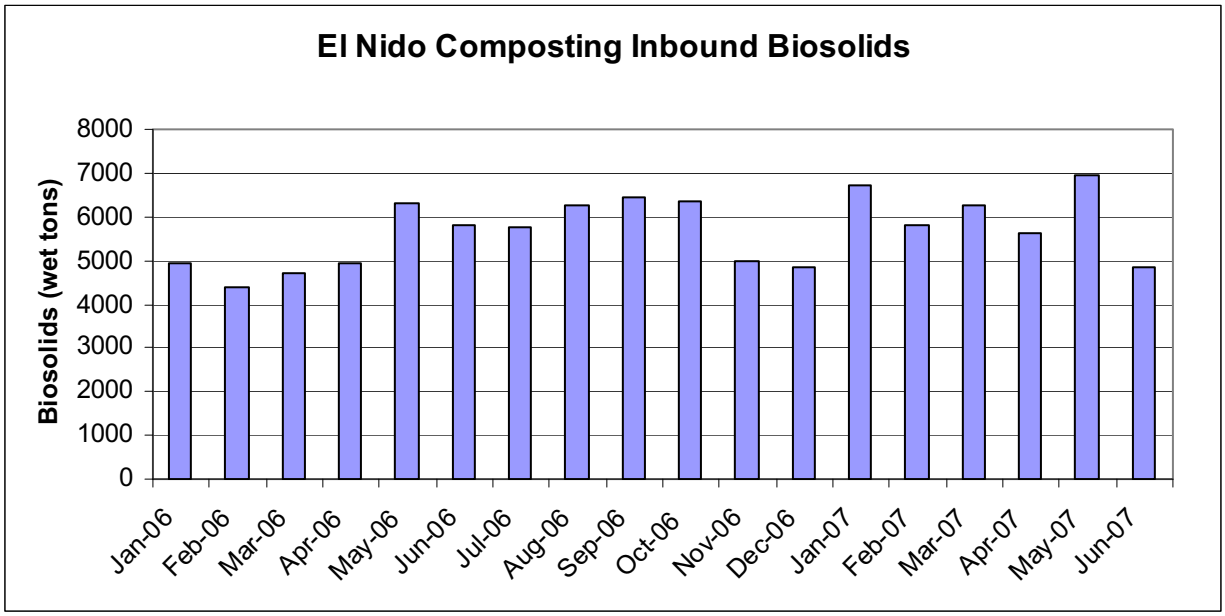


Figure 4.3: El Nido Composting Inbound Biosolids

Figure 4.4 shows the comparison between the inbound biosolids and the compost shipped from the El Nido Composting facility. These amounts include to and from locations within and out of the Central Valley region.

Figure 4.5 shows the inbound biosolids imported from locations out of the Central Valley region to the South Kern Industrial Composting site. Data are only available for 2007.

Figure 4.6 shows the difference between inbound biosolids and the compost shipped offsite to and from the South Kern Industrial Composting site. The amounts for the compost shipped include those shipped to locations within and out of the Central Valley region.

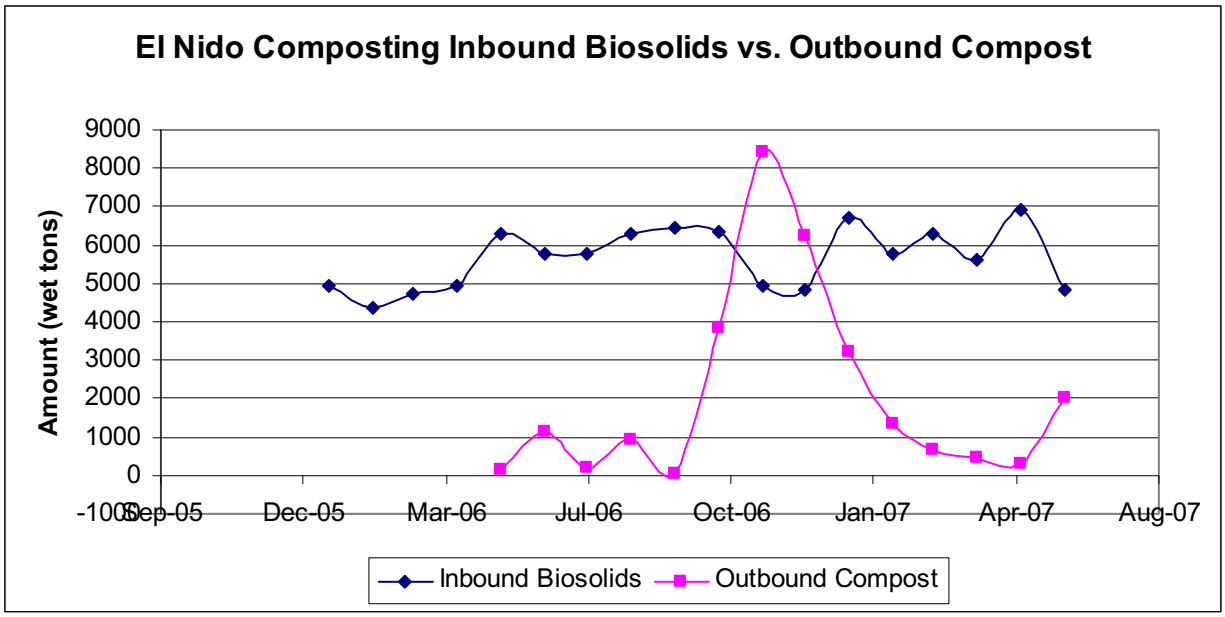


Figure 4.4: El Nido Composting Comparison of Inbound Biosolids and Compost Shipped

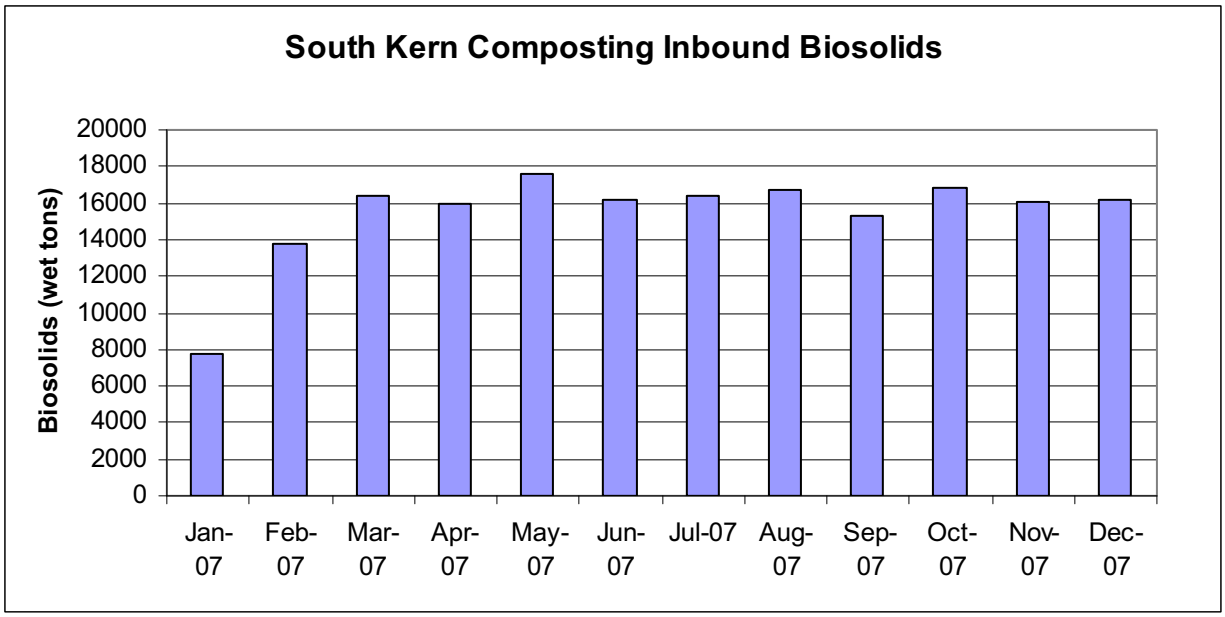


Figure 4.5: South Kern Industrial Composting Inbound Biosolids

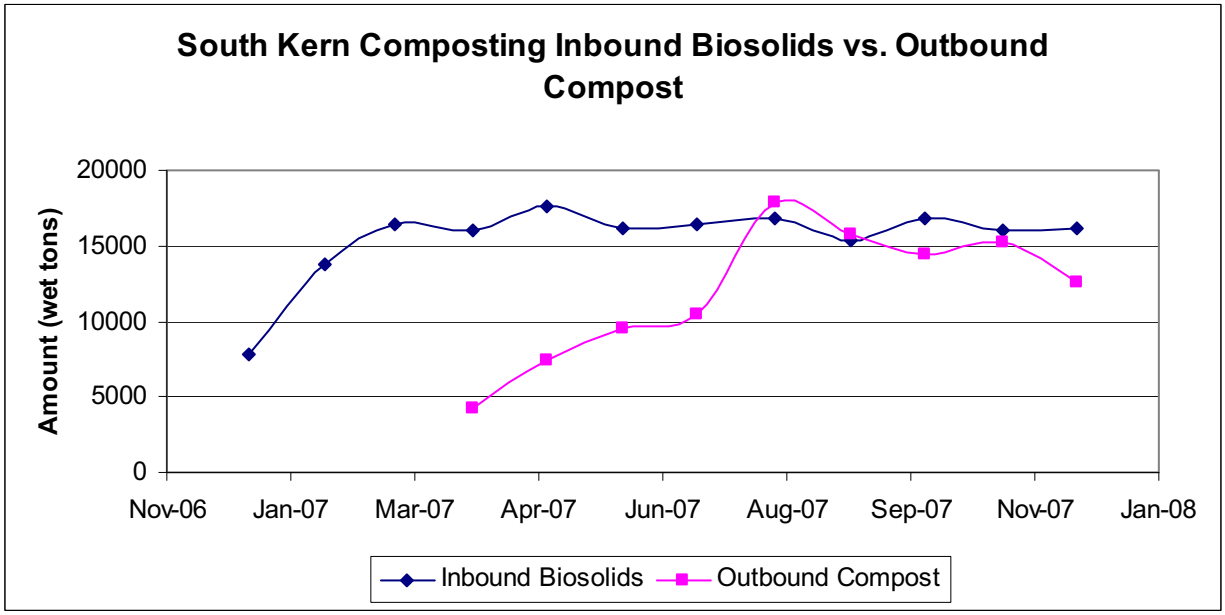


Figure 4.6: South Kern Industrial Composting Comparison of Inbound Biosolids and Compost Shipped

4.5 Data Gaps

- Only the biosolids data from three composting sites were examined. They are San Joaquin Composting/Liberty Composting located in Kern County, El Nido Composting located in Merced County, and South Kern Industrial Composting located in Kern County. Because monitoring data for sites that accept biosolids are not digitized and unavailable online, only sites regulated by the Fresno office of the Central Valley Regional Water Quality Control Board were examined. Monitoring data for these sites must be gathered manually by going through the respective physical files of each facility.

- Data for groundwater monitoring for wastewater treatment facilities is not available online. However, these data is available in physical files at the Regional Water Quality Control Boards. Regional Water Board staff indicated that data might be available as far back as 1995. Parameters monitored and reported vary by facility in accordance to their respective Waste Discharge Requirements.

4.6 Comments on Spatial Coverage (see maps in this chapter)

- The number of septic systems and the area of each county include portions of some counties that are located outside the Central Valley region.

- The exact location coordinates of many wastewater treatment facilities cannot be accurately determined, and therefore, their locations are approximate.

4.7 Notes and Some Limitations

- The data on the numbers of septic systems are taken from the 2003 document entitled "Status Report: Onsite Wastewater Treatment Systems in California" by California State University, Chico. The numbers in this document were originally supplied by the counties.

- Groundwater monitoring data for septic systems are not available. This is due to the fact that most septic systems are located on private property as are the wells near the system. Wells located on private property are not required to be monitored.

- GIS (Geographic Information System) maps of septic systems are available in most counties, but are not available to the public.

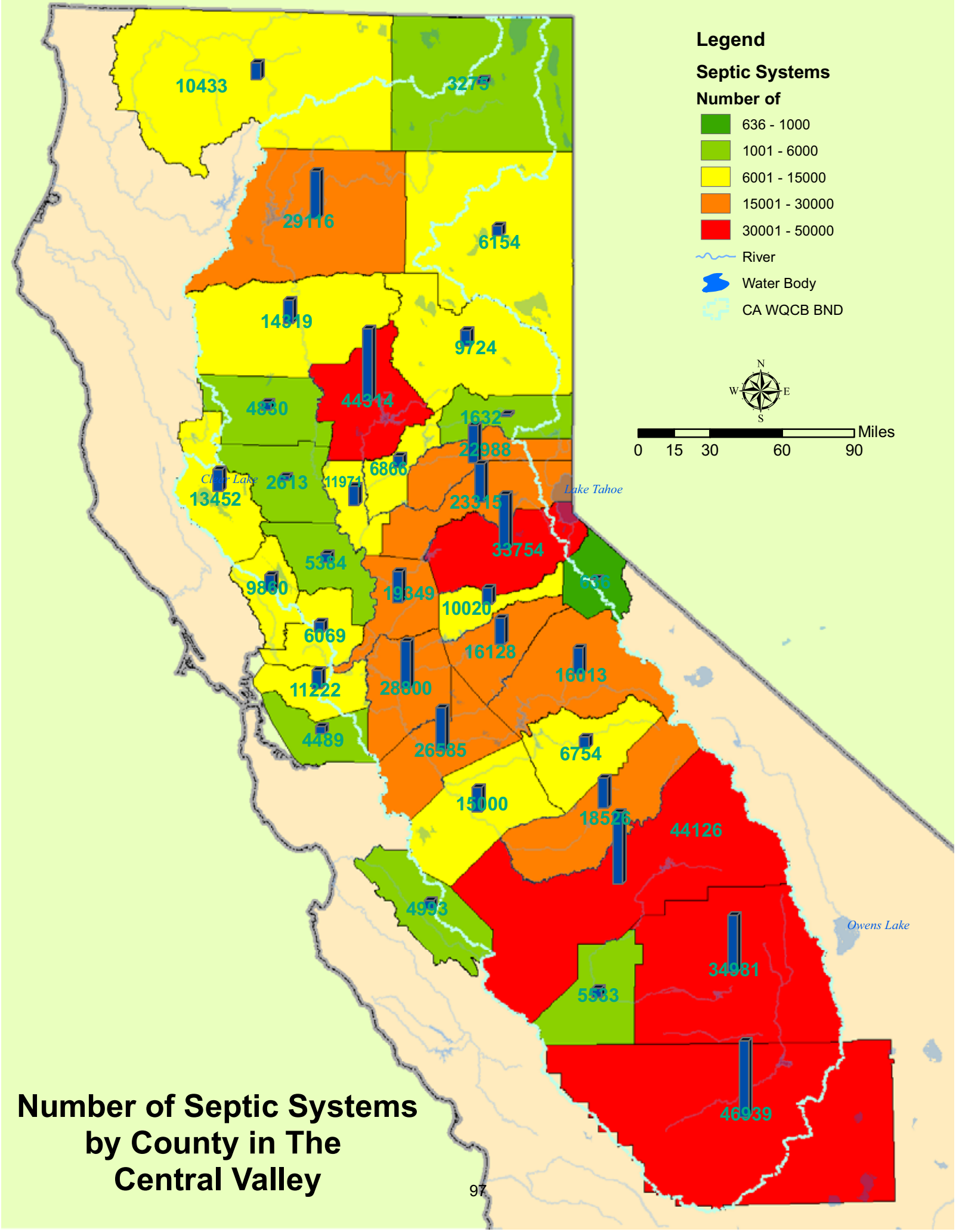
- Information for wastewater treatment facilities, such as addresses, might not be up-to-date. A list of wastewater treatment facilities with addresses might be available upon request from the Regional Water Quality Control Board. Users can also search for wastewater treatment facilities through the State Water Resources Control Board's CIWQ.

4.8 Data Sources

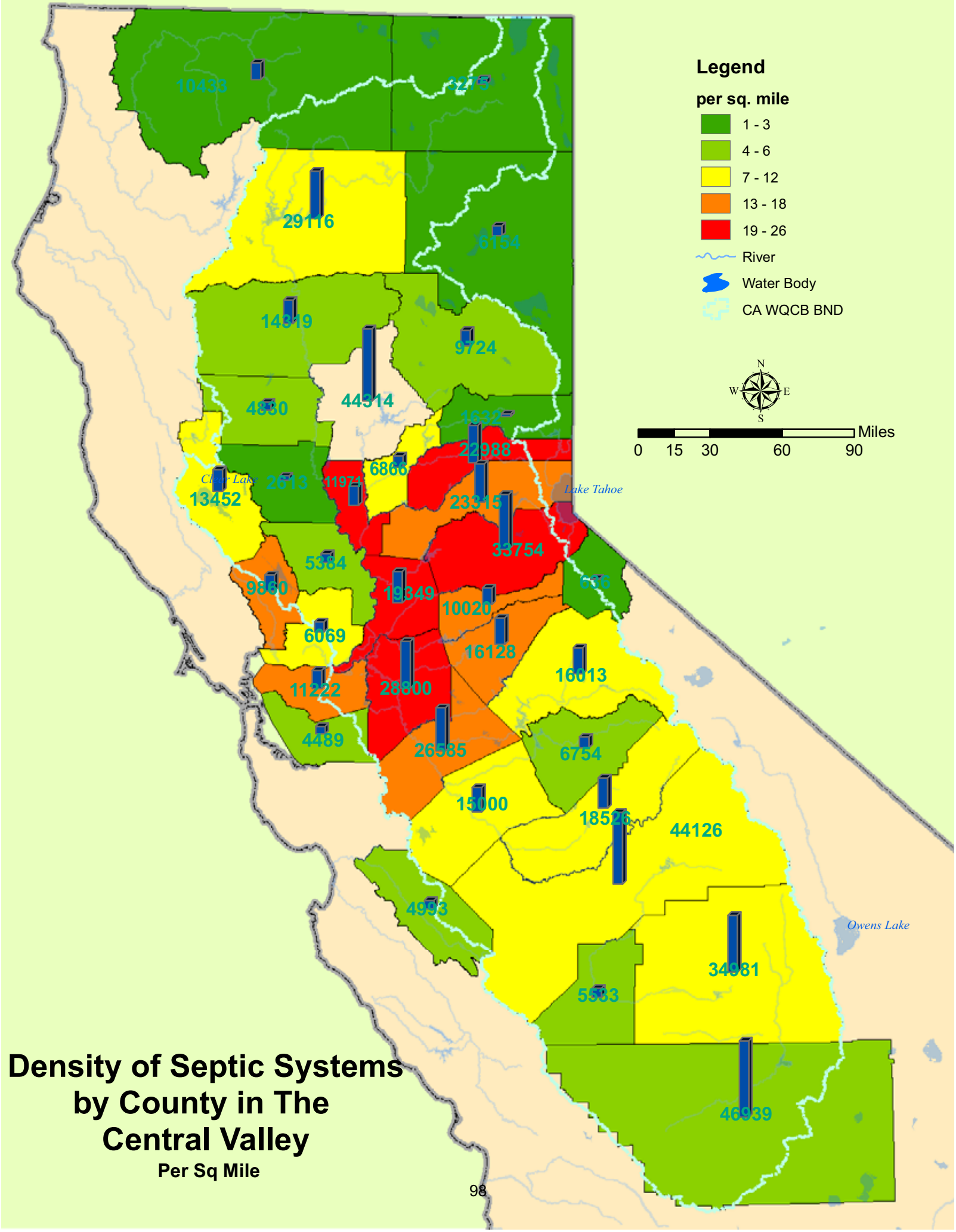
- The report from which the number of septic tanks was gathered includes data that were originally provided by the counties. The report was put together by the California Wastewater Training and Research Center at California State University, Chico in conjunction with US EPA Region 9 Ground Water Office.

- The wastewater treatment facility list from the State Water Resources Control Board was put together February 2001 ("California Wastewater Treatment Facilities Database", 22-Feb-01, State Water Resources Control Board, Division of Clean Water Programs). It only contains facilities that are publicly owned. This document was used to aid in finding the addresses for some of the facilities.

- Sample Waste Discharge Requirements for a wastewater treatment facility are included. These include information about the facility and its operations. A sample of the Monitoring and Reporting program for this same facility is also included. The Monitoring and Reporting Program specifies what parameters are required to be monitored, how often they need to be monitored, and how often this information must be reported to the Regional Water Quality Control Board. The sample is for the City of Tulare Wastewater Treatment Facility.

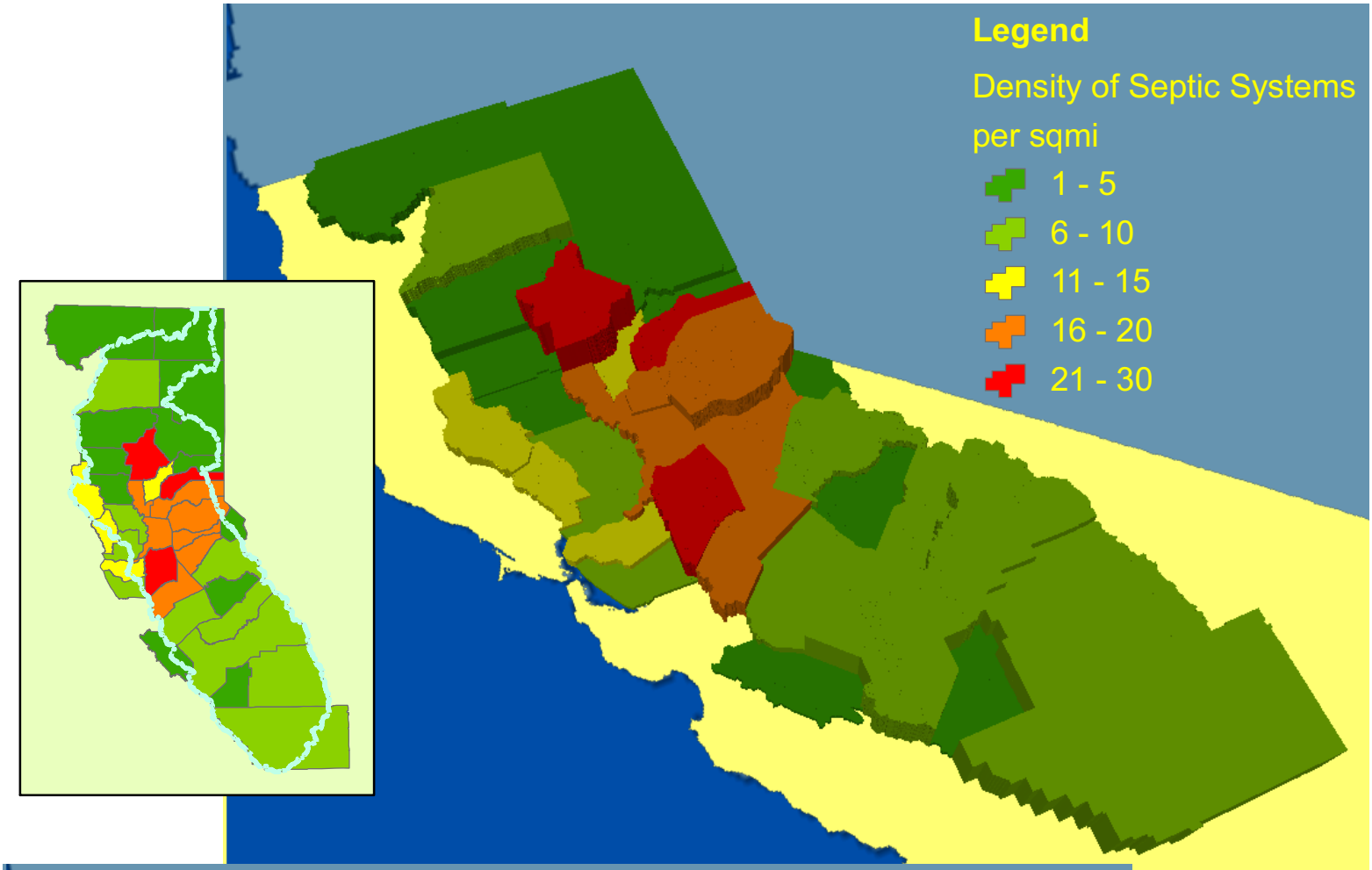


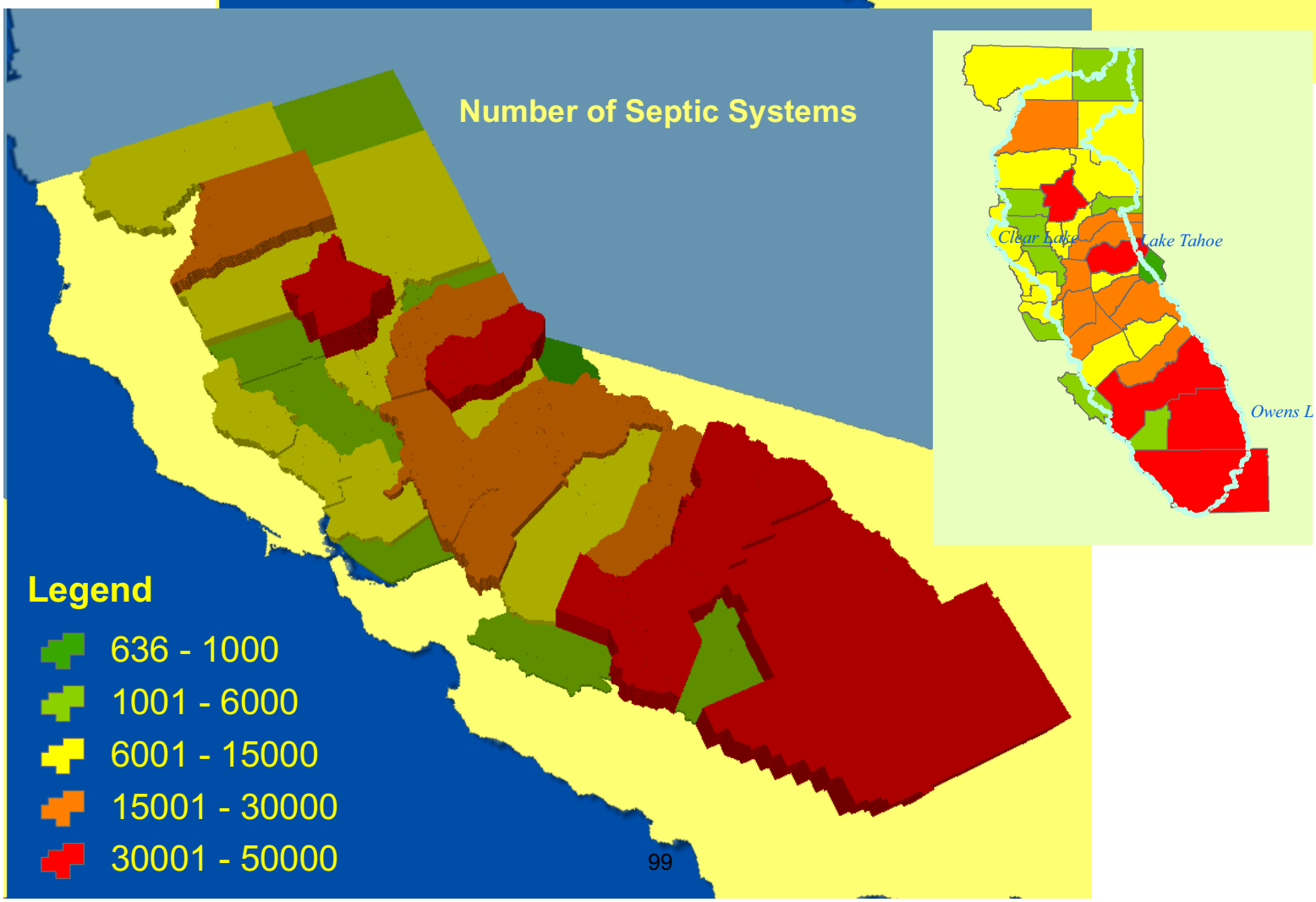
Number of Septic Systems by County in The Central Valley



Density of Septic Systems by County in The Central Valley

Per Sq Mile


Legend
Density of Septic Systems per sqmi
1 - 5
6 - 10
11 - 15
16 - 20
21 - 30


Number of Septic Systems
Clear Lake
Lake Tahoe
Owens L
Legend
636 - 1000
1001 - 6000
6001 - 15000
15001 - 30000
30001 - 50000

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