# 2017 Los Angeles River Trash TMDL Annual Report for the City of Monterey Park

Prepared for the Los Angeles Regional Water Quality Control Board Submitted as part of the 2016-2017 Individual MS4 NPDES Annual Report

December 15, 2017

# Table of Contents

December 15, 2017

1. Background	2
2. Compliance Status	2
3. Full Capture Systems, Partial Capture Systems, and Institutional Controls	2
4. Daily Generation Rate (DGR) Study	2
4.1 Study method	3
4.2 Collection routes	3
4.3 Field pictures	8
5. Mass Balance Approach	10
6. Trash TMDL Reporting Forms	10

# 1. Background

The City of Monterey Park (City) is complying with the Los Angeles River Trash TMDL (Trash TMDL) through an alternative compliance option, as allowed by the June 11, 2015, Los Angeles Regional Water Quality Control Board (Regional Board) Amendment to the Trash TMDL. The City is employing a combination of full capture systems, partial capture systems, and institutional controls—all properly sized, operated, and maintained—to achieve a reduction in trash discharge of 99% or greater from the baseline load. The percent reduction is determined through a mass balance approach, based on a daily generation rate (DGR) study as described in the Regional Board's August 9, 2007, Trash TMDL Staff Report for the Los Angeles River Watershed.

# 2. Compliance Status

The Regional Board's mass balance worksheets (Reporting Forms) were used to calculate the percent reduction in trash discharge for reporting year 2016-2017. They are discussed in Section 5 and included in Section 6 of this report.

The City will conduct a DGR study in 2018 and will continue to properly maintain its trash capture devices and institutional controls and anticipates loading reductions above 99% in future reporting years. To ensure this level of reduction, the City will install approximately 40 additional full capture systems, with installations scheduled for 2018. After the 2018 study, the City requests the Executive Officer's concurrence to reduce the frequency of DGR studies from annually to once every five years. The City will report annually on the continued implementation at the same level of capture devices and institutional controls and any drastic land use changes that occur.

# 3. Full Capture Systems, Partial Capture Systems, and Institutional Controls

A complete list of trash capture devices is included in Section 6. Institutional controls include littering ordinances, increased catch basin cleaning during rainy seasons, increased street sweeping on city boulevards, public education and stormwater pollution prevention outreach, residential curbside recycling, hazardous and electronic waste roundups, and bulky item collection.

# 4. Daily Generation Rate (DGR) Study

The City's trash discharge for the reporting year was estimated using a mass balance approach based on a trash DGR calculated for land use areas within the City. The representative land use areas studied were commercial, high and low density residential, industrial, public facilities, and open space. The DGR was calculated by weighing trash collected over a 30-day period in the summer along representative street sweeping collection routes within the study areas, then extrapolating that weight across the City. See Figures 1-8 for the designated routes. The results of the DGR study are included as part of the Regional Board Reporting Forms in Section 6.

# 4.1 Study method

Trash<sup>1</sup> was manually picked up with a reaching tool along the collection routes. (See Figure 9.) The manual pickup was conducted one day prior to street sweeping for each route. Catch basins along the study routes were covered to prevent trash from being swept into them. (See Figure 10.) Only trash a quarter of an inch or larger was collected. Collected trash in each area was weighed using a calibrated digital scale. (See Figure 11.) Five gallon buckets were used to estimate the volume. The trash was then separated and quantified by material type. A standard health and safety plan was followed at all times. The health and safety plan is available upon request.

#### 4.2 Collection routes

Figures 1-8 show the collection routes for the DGR Study. Each figure includes a brief description.

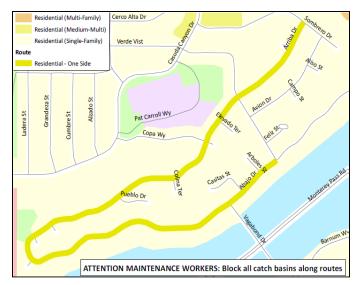


Figure 1. Low Density Residential Area Route. Collection occurred on Tuesday. Includes only the side of the street swept on Wednesday.

<sup>&</sup>lt;sup>1</sup> Following the Los Angeles River Trash TMDL, "trash" is defined in California Government Code Section 68055.1(g) as "...all improperly discarded waste material, including, but not limited to, convenience food, beverage, and other product packages or containers constructed of steel, aluminum, glass, paper, plastic, and other natural and synthetic materials, thrown or deposited on the lands and waters of the state, but not including the properly discarded waste of the primary processing of agriculture, mining, logging, sawmilling or manufacturing."

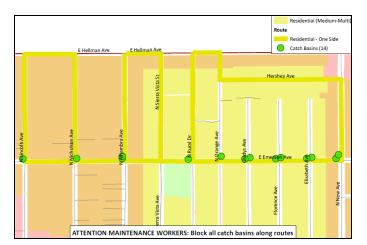


Figure 2. High and Medium Density Residential Area Route. Collection occurred on Tuesday. Route includes only the sides swept on Wednesday.

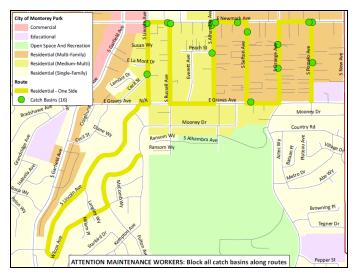


Figure 3. High, Medium, and Low Density Residential Area Routes. Collection occurred on Tuesday. Route includes only the sides swept on Wednesday.

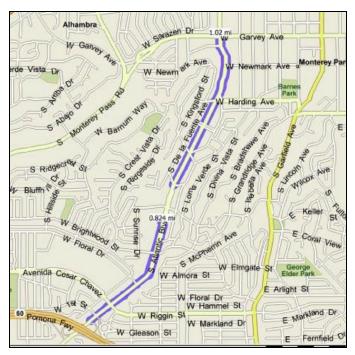


Figure 4. Commercial Area Route. Collection occurred Thursday. Route includes only the side swept on Friday.



Figure 5. Industrial Area Route. Collection occurred Thursday. Route includes only the side swept on Friday.

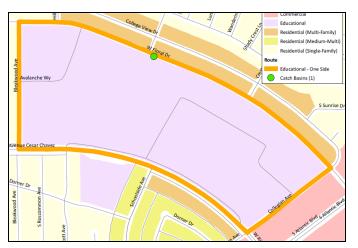


Figure 6. Public/ Educational Area Route. Collection occurred on Thursday. Route includes only the school side, swept on Friday.

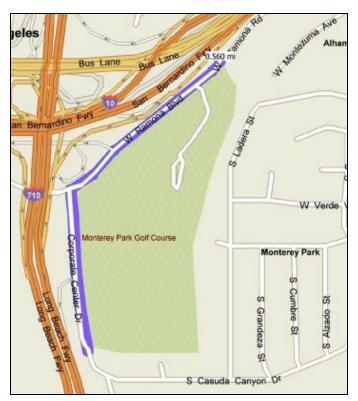


Figure 7. Open Space/Recreational Area Route 1. Collection occurred on Monday. Route runs along the side of the street swept Tuesdays.



Figure 8. Open Space/Recreational Area Route 2. Collection occurred on Monday. Route runs along the side of the street swept Tuesdays.

#### 4.3 Field pictures

Figures 9 -12 were taken during the 2017 DGR study. Each picture includes a brief description.



Figure 9. DGR crew member collecting trash using a reaching tool.



Figure 10. Covered catch basin along the High Density Residential Area Study route, on the corner of Lincoln and Newmark, preventing trash from being swept into it.



Figure 11. DGR crew member weighing collected trash using a digital scale.



Figure 12. Sorted trash pile from the High Density Residential Area route on 8-15-17.

### 5. Mass Balance Approach

The mass balance Reporting Forms provided by the Regional Board were used to calculate total trash discharge. (See Section 6.) Deviations from the Reporting Forms are noted and explained in the comments sections. This includes the following:

- The City was unable to obtain catch basin clean-out data for the reporting year. It is possible that 590 lbs of trash or more was recovered from catch basins through this process. If subtracted from the "Storm Year Trash Discharge" weight for the reporting year, this would equate to 99.0% reduction or more.
- The City's streets are not swept in one day. Approximately equal parts are swept Monday through Friday, once a week. Accounting for this effect results in fractional days of trash accumulation for a given storm event.

### 6. Trash TMDL Reporting Forms

The 2017 Trash TMDL Reporting Forms are included on the following pages.

								Trash Collectio	n for Calculation of Daily Gen	eration Rate, DGR
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11
						Trash Collection	within the	Total Amount of Trash		
	Total Area	Representative			Length of	from	Representative	Generated in		
Land Use	within	Area for DGR	Street	Date of DGR				Representative	Total Trash Generated within	<b>2</b> minute
Category Low Density	Jurisdiction 148.33	Calculation 2.82	Sweeping	Sampling	Period	Area (lb. or gal.)	gal.)	area	Representative Area	Comments
Low Density	140.55	2.02	07/31/17	8/1/17	6	1.31	0	1.31		Residential area swept weekly. DGR sampling collected by hand (Tuesday), and prior to street sweeping activities (Wednesday).
			08/02/17	8/8/17	6		0	1.06		· · · · · · · · · · · · · · · · · · ·
			08/09/17	8/15/17	6	1.69	0	1.69		
			08/16/17	8/22/17	6		0	0.81		
			08/23/17	8/29/17	6	0.69	0	0.69	9.75	
Medium Density	20.13	2.35	1	Total Days:	30	1				
Medium Density	20.13	2.33	7/31/2017	8/1/2017	6	7.63	0	7.63		Residential area swept weekly. DGR sampling collected by hand (Tuesday), and prior to street sweeping activities (Wednesday).
			8/2/2017	8/8/2017	6	3.38	0	3.38		residential and shop heeky. Der sampling conclude by hand (raceady), and phone sheeping adapting deliving (recinesday).
			8/9/2017	8/15/2017	6	4.88	0	4.88		
			8/16/2017	8/22/2017	6	4.63	0	4.63		
L			08/23/17	8/29/17	6	1.56	0	1.56	6.30	4
High Dopoity	24.7	2.95	I	Total Days:	30	1			[	
High Density	24.7	2.95	07/31/17	8/1/17	6	16.88	0	16.88	[	Residential area swept weekly. DGR sampling collected by hand (Tuesday), and prior to street sweeping activities (Wednesday).
			08/02/17	8/8/17	6		0	9.38		research and an even when the service and pring concerce of name (necessary), and prior to an even streeping activities (wearlesday).
			08/09/17	8/15/17	6	7.69	0	7.69		
			08/16/17	8/22/17	6		0	9.31		
			08/23/17	8/29/17	6	7.00	0	7.00	14.02	
Commencial	26.52	3.94		Total Days:	30					
Commercial	20.52	3.94	08/04/17	8/10/17	6	6.3	0	6.31	Γ	Commercial area swept weekly. DGR sampling collected by hand (Thursday), and prior to street sweeping activities (Friday).
			08/11/17	8/17/17	6			7.63		Commercial area swept weekly. Dort sampling concrete by hand (musuay), and provide sweeping activities (muay).
			08/18/17	8/24/17	6			10.13		
			08/25/17	8/31/17	6		0	3.75		
			09/01/17	9/7/17	6	5.813	0	5.81	7.54	
				Total Days:	30					
Industrial	4.98	2.7	08/04/17	8/10/17	c	1.38	0	1.38		
			08/04/17	8/10/17	6	0.56	0	0.56		Industrial area swept weekly. DGR sampling collected by hand (Thursday), and prior to street sweeping activities (Friday).
			08/18/17	8/24/17	6		0	1.63		1
			08/25/17	8/31/17	6	8.38	0	8.38		
			09/01/17	9/7/17	6	8.06	0	8.06	1.23	
				Total Days:	30					
Public/Education	4.45	1.65	08/04/17	8/10/17	6	1.63	0	1.63		Public & Educational areas swant weekly, DCR compliance callected by band (Thursday), and prior to street swanping optimities (Eriday)
	1		08/04/17	8/10/17 8/17/17	6	0.69	0	0.69		Public & Educational areas swept weekly. DGR sampling collected by hand (Thursday), and prior to street sweeping activities (Friday).
			08/18/17	8/24/17	6	0.75	ŏ	0.75		1
			08/25/17	8/31/17	6		0	0.44		]
			09/01/17	9/7/17	6	2.81	0	2.81	0.57	
			I	Total Days:	30	I				
Open Space	4.95	1.08	00/04/47	0/7/47	c	2.00		2.62		Open Space & Reprotingel areas weakly, DCR compliance collected by hand (Manday), and prior to strast averaging a striking (Turaday)
F			08/01/17 08/08/17	8/7/17 8/14/17	0 6		0	2.69 1.44		Open Space & Recreational areas weekly. DGR sampling collected by hand (Monday), and prior to street sweeping activities (Tuesday).
			08/15/17	8/21/17	6	1.13	0	1.13		1
	1		08/22/17	8/28/17	6		0	2.50		1 I
			08/29/17	9/4/17	6	1.69	0	1.69	1.44	
			ļ	Total Days:	30					
		45.54					Total Trash			
Total Area	234.06	15.84	ļ				(lbs)	147.3	40.00	
	* Total and	the second second second		(		L	DGR (lbs/day)		40.86	
Notes: Col. 1		ction period must						monitoring group	Alternatively, describe land up	i uno as decignated by the City
Col. 2										e type as designated by the City. approved measurement units, e.g. curb miles.
Col. 3									rea may be accounted for using	
										must be approved by the EO prior to the 30-day collection period.
Col. 4	Date of last	street sweeping								
Col. 5									d and September 22nd	
Col. 6	Length of Co	llection Period in	days - The DO	GR collection p	eriod must b	oe 30 days, total, f	or each represen	tative land use ar	ea	

Col. 7	Trash collection from representative area through street swe	eping or other method, lb. c	r gal.								
Col. 8	Trash cleaned out from catchbasins within the representative area (lb. or gal.). Trash accumulated in the CBs during the DCR collection period must be included in the total trash generated.										
	Where CBs are closed off such that no trash can enter them	for the purpose of DGR sar	npling, this value	will be zero (0).							
Col. 9	Total amount of trash generated in representative area (sur	of Col. 7 and Col. 8), lb. or	gal.								
Col. 10	Total Trash Generated within Representative Area (estimate	d in 30 day period)									
Col. 11	Provide comments, if necessary										
Note: Sampling	ote: Sampling must be conducted during any 30-day period, starting June 22nd through September 22nd of each year.										

#### Institutional Controls Individual Storm Event Total Storm Year Trash Discharge

I Trash Disch	arged by Storm Eve	ent					
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
DGR	Date of Last Street Sweeping	Date of Storm Event	Precipitation Depth *	Days **	Amount of Trash Recovered from Catchbasins	Storm Event Trash Discharge	Comments
40.86	11/16/16	11/20/16	0.44	4.00		-	* Rainfall data was collected from the
40.86	11/20/16	11/21/16	0.27	0.90		36.77	closest rainfall station.
40.86	12/12/16	12/15/16	0.88	3.00		122.57	
40.86	12/15/16	12/16/16	0.60	0.90		36.77	** The entire City of Monterey Park is
40.86	12/18/16	12/21/16	0.34	2.90		118.49	swept in one day. Approximately equa
40.86	12/21/16	12/23/16	1.24	1.60		65.37	parts of the City are swept Monday
40.86	12/27/16	12/30/16	0.37	2.50		102.14	through Friday. As such during any gi
40.86	01/01/17	01/04/17	0.28	2.90		118.49	rain event, different parts of the City
40.86	01/05/17	01/09/17	0.51	3.70		151.17	were swept between 1 to 7 days
40.86	01/09/17	01/11/17	0.35	1.60		65.37	previously. Accounting for this effect
40.86	01/11/17	01/12/17	1.13	0.90		36.77	results in fractional days of trash
40.86	01/14/17	01/18/17	0.32	3.30		134.83	accumulation for a given storm event.
40.86	01/18/17	01/19/17	0.64	0.90		36.77	
40.86	01/19/17	01/20/17	1.19	0.90		36.77	
40.86	01/20/17	01/22/17	2.20	2.00		81.72	
40.86	01/22/17	01/23/17	0.42	0.90		36.77	
40.86	02/01/17	02/06/17	0.42	4.50		183.86	
40.86	02/07/17	02/10/17	0.29	2.4		98.06	
40.86	02/14/17	02/17/17	1.80	2.5		102.14	
							-
I Storm Yea	r Trash Discharg	e				1,728.28	

#### Institutional Controls Individual Storm Event Total Storm Year Trash Discharge

Rainfall Statio	n SAN GABRIEL	FIRE DEP, CA	US								
Total Trash Dis	charged by Storm Ev	ent									
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8				
DGR	Date of Last Street Sweeping	Date of Storm Event	Precipitation Depth *	Days **	Amount of Trash Recovered from Catchbasins	Storm Event Trash Discharge	Comments				
Notations:											
Form	Add additional rows	for storm events, i	f necessary								
Rainfall Station	Name of rainfall sta	tion used, indicate	only the L.A. Cou	nty station numb	ber						
Total Storm Year	Trash Discharge = Su	im of individual stor	m event discharg	es for reporting	period (October 1 - September 30	D).					
Col. 1	DGR for Jurisdiction	DGR for Jurisdiction from DGR Sampling Data worksheet									
Col. 2	Date of last street s	weeping									
Col. 3	Date of storm event	t with 0.25 inch or n	nore of rainfall								
Col. 4	Depth of rainfall tak	en from nearest rai	nfall station (in.)								
Col. 5	Number of days bet	ween date of last s	treet sweeping ar	nd storm event.	For each day of a storm event tha	t generates precipit	ation greater				
	than 0.25 inch, the l	Permittee shall calc	ulate a storm eve	ent discharge. W	hen more than one storm event o	occurs prior to the n	ext street				
	sweeping the discha	arge shall be calcul	ated from the dat	e of the last stor	m event discharge calculation.						
Col. 6	Amount of trash rec	overed from catch	basins, if any (lb.	or gal.)							
Col. 7	Storm Event Discha	arge = Col. 1 x Col.	5 - Col. 7 [trash c	discharged by the	e storm event], lbs. or gal.						
Col. 8	Provide comments,	if necessary									

Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10
Institutio	onal Control	Measure	Structural Control	ol Measure				
				% of CBs	Required			
Total Trash			Total # CBs	served by	Trash			
Discharged	Effluent			FCDs /				
(lbs.)	Limitation	Compliance	and PCDs	PCDs	. ,			Comments
5450.00	28182.40							
1535.00	7045.60							
2,274	2325	96.8%			96.7%	96.8%	Yes	
2,071	705	97.1%	Total FCDs = 154		99.0%	98.2%	Within 0.8%	
				00.001		00 50/4		* The City was unable to obtain catch basin clean-out data for the reporting year. It is possible that 590 lbs of trash or more was recovered from catch basins through this process. If subtracted from the "Storm Year Trash Discharge" weight for the reporting year, this would equate to 99.0% reduction or
	Institutio Total Trash Discharged (lbs.) 5450.00 5982.00 6875.00 1535.00 2,274 2,071	Institutional Control           Total Trash           Discharged           (lbs.)           5450.00           28182.40           5982.00           21136.80           6875.00           1535.00           7045.60           2,274           2325	Institutional Control MeasureTotal Trash Discharged (lbs.)Effluent LimitationEquivalent Compliance5450.0028182.4092.3%5982.0021136.8091.5%6875.0014091.2090.2%1535.007045.6097.8%2,274232596.8%2,07170597.1%	Institutional Control MeasureStructural ControlTotal Trash Discharged (lbs.)Effluent LimitationEquivalent Compliance and PCDs5450.0028182.4092.3%5982.0021136.8091.5%6875.0014091.2090.2%1535.007045.6097.8%2,274232596.8%2,07170597.1%Total PCDs = 151	Institutional Control MeasureStructural Control MeasureTotal Trash DischargedEffluent LimitationEquivalent Compliance and PCDsServed by FCDs / PCDs5450.0028182.4092.3%92.3%5982.0021136.8091.5%6875.006875.0014091.2090.2%11535.007045.6097.8%22,274232596.8%12,07170597.1%Total PCDs = 1542,07170597.1%Total PCDs = 15138.6%38.6%38.6%	Institutional Control MeasureStructural Control MeasureTotal Trash DischargedEffluent LimitationEquivalent Compliance and PCDs% of CBs served by FCDs / PCDs / PCDs / PCDsRequired Trash Abatement (%)5450.0028182.4092.3%60.0%5982.0021136.8091.5%70.0%6875.0014091.2090.2%80.0%1535.007045.6097.8%90.0%2,274232596.8%96.7%2,07170597.1%Total PCDs = 1542,07170597.1%Total PCDs = 15138.6%99.0%	Institutional Control MeasureStructural Control Measure% of CBs served by FCDsRequired Trash AbatementTotal Trash DischargedEffluent LimitationEquivalent Compliance and PCDsFCDs / PCDsRequired Trash AbatementTotal Combined Compliance5450.0028182.4092.3%90.0%92.3%60.0%92.3%5982.0021136.8091.5%70.0%91.5%6875.0014091.2090.2%1535.007045.6097.8%90.0%90.2%90.0%97.8%2,274232596.8%70tal FCDs = 15470tal FCDs = 15470tal FCDs = 15138.6%99.0%98.2%2,07170597.1%Total PCDs = 15138.6%99.0%98.2%	Institutional Control MeasureStructural Control MeasureRequiredTotal Trash DischargedEffluent (bs.)Equivalent EquivalentTotal # CBs served by FCDsRequired Trash AbatementTotal Combined Compliance5450.0028182.4092.3%90.0%60.0%92.3% Yes5982.0021136.8091.5%70.0%91.5% Yes5982.0014091.2090.2%80.0%90.2% Yes535.007045.6097.8%90.0%97.8% Yes2,274232596.8%96.7%96.8% Yes2,07170597.1%Total PCDs = 151 Total PCDs = 15138.6%99.0%98.2% Within 0.8%

#### Notations:

**Form** Structural Control Measure: Report compliance using land area served by FCD/PCDs or number of catchbasins served by FCD/PCDs.

Column 1: Reporting Period: Part 7.1.(C)(1) of Order No. 01-182 as amended by Order No. R4-2009-0130

Column 2: As calculated pursuant to Part 7.1.(B)(1)(b)(2) of Order No. 01-182 as amended by Order No. R4-2009-0130

Date: 12/15/2017 Prepared by City of Monterey Park

Alternative approaches per Part 7.1.(B)(1)(b)(3) must be approved in advance by the Executive Officer

Column 3: Effluent Limitation per Part 7.1, Appendix 7-1, Table 1a or 1b, of Order No. 01-182 as amended by Order No. R4-2009-0130

Column 4: Compliance = 1-(Col. 2 / Baseline Waste Load Allocation)

Column 5: Total number of catchbasins, total number of (CBs) served by FCD/PCDs within jurisdiction

Column 6: Percentage of CBs served by FCD/PCDs within jurisdiction

Column 7: Required Trash Abatement: Part 7.1, Appendix 7-1 of Order No. 01-182 as amended by Order No. R4-2009-0130

Column 8: Total Combined Compliance = (Col. 6) + (1.0-Col.6)\*(Col.4)

Column 9: FCD Compliance: Yes, if Col. 8 is greater than Col. 7

Column 10: Provide comments, if necessary

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
ARS Only	34.04436	-118.162529	Unknown	Unknown	1914040			CITY	Annually
	34.068658	-118.124416	Unknown	Unknown	1966281	300-2	LACFCD	CITY	*same as above
	34.068678	-118.12456	Unknown	Unknown	1966280	300-2	LACFCD	CITY	*same as above
	34.040046	-118.107578	Unknown	Unknown	1968142	300-2	LACFCD	CITY	*same as above
	34.039416	-118.108086	Unknown	Unknown	1968145	300-2	LACFCD	CITY	*same as above
	34.062037	-118.152234	Unknown	Unknown	1913052	300-2	LACFCD	CITY	*same as above
	34.062227	-118.152343	Unknown	Unknown	1913053	300-2	LACFCD	CITY	*same as above
	34.061793	-118.152998	Unknown	Unknown	1913050	300-2	LACFCD	CITY	*same as above
	34.061867	-118.152138	Unknown	Unknown	1913051	300-2	LACFCD	CITY	*same as above
	34.038499	-118.119947	Unknown	Unknown	1968028		LACFCD	CITY	*same as above
	34.037245	-118.125364	Unknown	Unknown	1968052	300-2	LACFCD	CITY	*same as above
	34.034543	-118.122736	Unknown	Unknown	1968100	300-2	LACFCD	CITY	*same as above
	34.037517	-118.120032	Unknown	Unknown	1968036		LACFCD	CITY	*same as above
ARS Only	34.037626	-118.120036	Unknown	Unknown	1968033		LACFCD	CITY	*same as above
CPS Only	34.036599	-118.120723	Unknown	Unknown	1968237	303-2	LACFCD	CITY	*same as above
	34.036436	-118.120612	Unknown	Unknown	1968221	303-2	LACFCD	CITY	*same as above
	34.037569	-118.119435	Unknown	Unknown	1968139		LACFCD	CITY	*same as above
	34.034543	-118.122856	Unknown	Unknown	1968099	300-2	LACFCD	CITY	*same as above
	34.03872	-118.119903	Unknown	Unknown	1968022		LACFCD	CITY	*same as above
	34.033648	-118.130346	Unknown	Unknown	1968111		LACFCD	CITY	*same as above
	34.033757	-118.130011	Unknown	Unknown	1968108		LACFCD	CITY	*same as above
ARS & CPS	34.037669	-118.120216	Unknown	Unknown	1968034	300-2	LACFCD	CITY	*same as above
	34.03365	-118.13051	Unknown	Unknown	1968112		LACFCD	CITY	*same as above
	34.055276	-118.114364	Unknown	Unknown	1967201	300-2	LACFCD	CITY	*same as above
	34.057266	-118.112338	Unknown	Unknown	1967057	300-2	LACFCD	CITY	*same as above
	34.057261	-118.112484	Unknown	Unknown	1967056	300-2	LACFCD	CITY	*same as above
	34.04137	-118.12364	Unknown	Unknown	1968065	300-2	LACFCD	CITY	*same as above
	34.038453	-118.12596	Unknown	Unknown	1968058	300-2	LACFCD	CITY	*same as above
	34.040057	-118.124601	Unknown	Unknown	1968062	300-2	LACFCD	CITY	*same as above
	34.038462	-118.126095	Unknown	Unknown	1968055	302-2	LACFCD	CITY	*same as above
	34.055382	-118.114283	Unknown	Unknown	1967200	300-2	LACFCD	CITY	*same as above
	34.035812	-118.140755	Unknown	Unknown	1914026	300-2	LACFCD	CITY	*same as above
	34.036682	-118.141141	Unknown	Unknown	1914020	300-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.034419	-118.140973	Unknown	Unknown	1914219	300-2	LACFCD	CITY	*same as above
	34.036862	-118.140871	Unknown	Unknown	1914014	300-2	LACFCD	CITY	*same as above
	34.035809	-118.141094	Unknown	Unknown	1914024	300-2	LACFCD	CITY	*same as above
	34.033548	-118.142431	Unknown	Unknown	1914211	300-2	LACFCD	CITY	*same as above
	34.036812	-118.139068	Unknown	Unknown	1914012	302-2	LACFCD	CITY	*same as above
	34.039895	-118.107301	Unknown	Unknown	1968144	300-2	LACFCD	CITY	*same as above
	34.034219	-118.140734	Unknown	Unknown	1914216	300-2	LACFCD	CITY	*same as above
	34.035702	-118.140755	Unknown	Unknown	1914027	300-2	LACFCD	CITY	*same as above
	34.033563	-118.140629	Unknown	Unknown	1914214	300-2	LACFCD	CITY	*same as above
	34.035148	-118.140981	Unknown	Unknown	1914028	300-2	LACFCD	CITY	*same as above
	34.036828	-118.138025	Unknown	Unknown	1914003	300-2	LACFCD	CITY	*same as above
	34.06197	-118.153067	Unknown	Unknown	1913049	300-2	LACFCD	CITY	*same as above
	34.034478	-118.125199	Unknown	Unknown	1968104	303-2	LACFCD	CITY	*same as above
	34.038716	-118.120186	Unknown	Unknown	1968027	301-2	LACFCD	CITY	*same as above
CPS Only	34.03659	-118.120642	Unknown	Unknown	1968038	300-2	LACFCD	CITY	*same as above
	34.035226	-118.124982	Unknown	Unknown	1968044	300-2	LACFCD	CITY	*same as above
	34.035166	-118.12493	Unknown	Unknown	1968043	303-2	LACFCD	CITY	*same as above
ARS & CPS	34.036505	-118.120568	Unknown	Unknown	1968037	300-2	LACFCD	CITY	*same as above
	34.036608	-118.1252	Unknown	Unknown	1968046	300-2	LACFCD	CITY	*same as above
	34.035216	-118.122693	Unknown	Unknown	1968041	300-2	LACFCD	CITY	*same as above
	34.0365	-118.125348	Unknown	Unknown	1968048	303-2	LACFCD	CITY	*same as above
	34.038844	-118.126207	Unknown	Unknown	1968057		LACFCD	CITY	*same as above
ARS & CPS	34.044424	-118.162672	Unknown	Unknown	1914041		LACFCD	CITY	*same as above
	34.038383	-118.12621	Unknown	Unknown	1968054		LACFCD	CITY	*same as above
	34.046637	-118.146591	Unknown	Unknown	1913115	301-2	LACFCD	CITY	*same as above
	34.059837	-118.132905	Unknown	Unknown	1967003		LACFCD	CITY	*same as above
	34.045537	-118.158	Unknown	Unknown	1913089	302-2	LACFCD	CITY	*same as above
	34.045573	-118.162073	Unknown	Unknown	1913075	300-2	LACFCD	CITY	*same as above
	34.045656	-118.156481	Unknown	Unknown	1913093	301-2	LACFCD	CITY	*same as above
	34.045502	-118.159583	Unknown	Unknown	1913084	302-2	LACFCD	CITY	*same as above
	34.045695	-118.158084	Unknown	Unknown	1913088	301-2	LACFCD	CITY	*same as above
	34.045761	-118.16207	Unknown	Unknown	1913074	300-2	LACFCD	CITY	*same as above
	34.061086	-118.142481	Unknown	Unknown	1913047		LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.044647	-118.162663	Unknown	Unknown	1914042		LACFCD	CITY	*same as above
	34.03679	-118.131374	Unknown	Unknown	1968071	302-2	LACFCD	CITY	*same as above
	34.036665	-118.131759	Unknown	Unknown	1968068	300-2	LACFCD	CITY	*same as above
	34.036874	-118.131618	Unknown	Unknown	1968069	300-2	LACFCD	CITY	*same as above
	34.036152	-118.130572	Unknown	Unknown	1968202	302-2	LACFCD	CITY	*same as above
	34.052329	-118.138395	Unknown	Unknown	1913128	300-2	LACFCD	CITY	*same as above
	34.052748	-118.138263	Unknown	Unknown	1913135	302-2	LACFCD	CITY	*same as above
	34.052183	-118.135746	Unknown	Unknown	1913133	300-2	LACFCD	CITY	*same as above
	34.052449	-118.138456	Unknown	Unknown	1913129	300-2	LACFCD	CITY	*same as above
	34.051946	-118.138099	Unknown	Unknown	1913130	304-2	LACFCD	CITY	*same as above
	34.052554	-118.138428	Unknown	Unknown	1913131	301-2	LACFCD	CITY	*same as above
	34.052612	-118.138216	Unknown	Unknown	1913134	300-2	LACFCD	CITY	*same as above
	34.052269	-118.135935	Unknown	Unknown	1913132	300-2	LACFCD	CITY	*same as above
	34.053925	-118.116454	Unknown	Unknown	1967196	300-2	LACFCD	CITY	*same as above
	34.038319	-118.132134	Unknown	Unknown	1968080	300-2	LACFCD	CITY	*same as above
	34.043052	-118.135134	Unknown	Unknown	1968096	300-2	LACFCD	CITY	*same as above
	34.038404	-118.131922	Unknown	Unknown	1968078	300-2	LACFCD	CITY	*same as above
	34.042112	-118.134782	Unknown	Unknown	1968095	300-2	LACFCD	CITY	*same as above
	34.041183	-118.1341	Unknown	Unknown	1968091	300-2	LACFCD	CITY	*same as above
	34.038329	-118.131181	Unknown	Unknown	1968076	300-2	LACFCD	CITY	*same as above
	34.043662	-118.135446	Unknown	Unknown	1914032	300-2	LACFCD	CITY	*same as above
	34.041892	-118.134962	Unknown	Unknown	1968093	300-2	LACFCD	CITY	*same as above
	34.039098	-118.133242	Unknown	Unknown	1968082	300-2	LACFCD	CITY	*same as above
	34.040452	-118.134196	Unknown	Unknown	1968087	300-2	LACFCD	CITY	*same as above
	34.037477	-118.131637	Unknown	Unknown	1968072	300-2	LACFCD	CITY	*same as above
	34.038276	-118.131307	Unknown	Unknown	1968077	300-2	LACFCD	CITY	*same as above
	34.043641	-118.135287	Unknown	Unknown	1914031	300-2	LACFCD	CITY	*same as above
	34.043431	-118.135469	Unknown	Unknown	1914034	300-2	LACFCD	CITY	*same as above
ARS & CPS	34.04432	-118.163266	Unknown	Unknown	1914043		LACFCD	CITY	*same as above
	34.045678	-118.15356	Unknown	Unknown	1913100	301-2	LACFCD	CITY	*same as above
	34.059645	-118.116877	Unknown	Unknown	1967047	300-2	LACFCD	CITY	*same as above
	34.059919	-118.112554	Unknown	Unknown	1967055	302-2	LACFCD	CITY	*same as above
	34.057657	-118.11033	Unknown	Unknown	1967058	300-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.059906	-118.116987	Unknown	Unknown	1967050	300-2	LACFCD	CITY	*same as above
	34.057572	-118.110182	Unknown	Unknown	1967059	300-2	LACFCD	CITY	*same as above
	34.05992	-118.110218	Unknown	Unknown	1967061	302-2	LACFCD	CITY	*same as above
	34.05997	-118.116878	Unknown	Unknown	1967051	300-2	LACFCD	CITY	*same as above
	34.055021	-118.115206	Unknown	Unknown	1967199	300-2	LACFCD	CITY	*same as above
	34.054025	-118.116689	Unknown	Unknown	1967193	300-2	LACFCD	CITY	*same as above
	34.053527	-118.116585	Unknown	Unknown	1967195	300-2	LACFCD	CITY	*same as above
	34.05398	-118.11659	Unknown	Unknown	1967194	300-2	LACFCD	CITY	*same as above
	34.054478	-118.149027	Unknown	Unknown	1913181	300-2	LACFCD	CITY	*same as above
	34.060002	-118.145883	Unknown	Unknown	1913015		LACFCD	CITY	*same as above
	34.058904	-118.144775	Unknown	Unknown	1913175	300-2	LACFCD	CITY	*same as above
	34.056348	-118.146625	Unknown	Unknown	1913007	300-2	LACFCD	CITY	*same as above
	34.056047	-118.146689	Unknown	Unknown	1913008	300-2	LACFCD	CITY	*same as above
	34.055529	-118.147491	Unknown	Unknown	1913220	300-2	LACFCD	CITY	*same as above
	34.057467	-118.145228	Unknown	Unknown	1913012	300-2	LACFCD	CITY	*same as above
	34.049049	-118.146066	Unknown	Unknown	1913123	300-2	LACFCD	CITY	*same as above
	34.048959	-118.146078	Unknown	Unknown	1913122	300-2	LACFCD	CITY	*same as above
	34.055525	-118.13332	Unknown	Unknown	1967023	300-2	LACFCD	CITY	*same as above
	34.058865	-118.125387	Unknown	Unknown	1967017	300-2	LACFCD	CITY	*same as above
	34.051797	-118.134765	Unknown	Unknown	1967027	300-2	LACFCD	CITY	*same as above
	34.055158	-118.131539	Unknown	Unknown	1967021	300-2	LACFCD	CITY	*same as above
	34.056668	-118.130456	Unknown	Unknown	1967015		LACFCD	CITY	*same as above
	34.06231	-118.108189	Unknown	Unknown	1967113	302-2	LACFCD	CITY	*same as above
	34.045693	-118.160618	Unknown	Unknown	1913080	301-2	LACFCD	CITY	*same as above
	34.045657	-118.155681	Unknown	Unknown	1913095	302-2	LACFCD	CITY	*same as above
	34.04558	-118.155513	Unknown	Unknown	1913097	303-2	LACFCD	CITY	*same as above
	34.045545	-118.161816	Unknown	Unknown	1913077	300-2	LACFCD	CITY	*same as above
	34.045609	-118.159694	Unknown	Unknown	1913083	301-2	LACFCD	CITY	*same as above
	34.045645	-118.160618	Unknown	Unknown	1913079	302-2	LACFCD	CITY	*same as above
	34.058092	-118.118309	Unknown	Unknown	1967041	300-2	LACFCD	CITY	*same as above
	34.041182	-118.134563	Unknown	Unknown	1968090	300-2	LACFCD	CITY	*same as above
	34.062809	-118.108212	Unknown	Unknown	1967119	300-2	LACFCD	CITY	*same as above
	34.053892	-118.132529	Unknown	Unknown	1967024	301-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.057892	-118.127591	Unknown	Unknown	1967030	300-2	LACFCD	CITY	*same as above
	34.05648	-118.129983	Unknown	Unknown	1967011	300-2	LACFCD	CITY	*same as above
	34.056464	-118.130344	Unknown	Unknown	1967010		LACFCD	CITY	*same as above
	34.058841	-118.125567	Unknown	Unknown	1967016	300-2	LACFCD	CITY	*same as above
	34.053871	-118.134024	Unknown	Unknown	1967033	300-2	LACFCD	CITY	*same as above
	34.055625	-118.133322	Unknown	Unknown	1967022	300-2	LACFCD	CITY	*same as above
	34.055664	-118.130795	Unknown	Unknown	1967018	300-2	LACFCD	CITY	*same as above
	34.055152	-118.131312	Unknown	Unknown	1967020	300-2	LACFCD	CITY	*same as above
	34.055745	-118.130622	Unknown	Unknown	1967007	300-2	LACFCD	CITY	*same as above
	34.055572	-118.130578	Unknown	Unknown	1967019	300-2	LACFCD	CITY	*same as above
	34.05385	-118.132403	Unknown	Unknown	1967025	301-2	LACFCD	CITY	*same as above
	34.059974	-118.116698	Unknown	Unknown	1967052	300-2	LACFCD	CITY	*same as above
	34.05982	-118.110428	Unknown	Unknown	1967062	302-2	LACFCD	CITY	*same as above
	34.059748	-118.116877	Unknown	Unknown	1967046	300-2	LACFCD	CITY	*same as above
	34.059783	-118.116921	Unknown	Unknown	1967048	300-2	LACFCD	CITY	*same as above
	34.059744	-118.11671	Unknown	Unknown	1967049	303-2	LACFCD	CITY	*same as above
	34.052516	-118.133943	Unknown	Unknown	1967026	301-2	LACFCD	CITY	*same as above
	34.045665	-118.157283	Unknown	Unknown	1913090	301-2	LACFCD	CITY	*same as above
	34.03958	-118.133849	Unknown	Unknown	1968084	300-2	LACFCD	CITY	*same as above
	34.036179	-118.131459	Unknown	Unknown	1968067	302-2	LACFCD	CITY	*same as above
	34.036139	-118.131573	Unknown	Unknown	1968066	302-2	LACFCD	CITY	*same as above
	34.036872	-118.13148	Unknown	Unknown	1968070	300-2	LACFCD	CITY	*same as above
	34.044398	-118.15359	Unknown	Unknown	1914275		LACFCD	CITY	*same as above
	34.03912	-118.152983	Unknown	Unknown	1914088	300-2	LACFCD	CITY	*same as above
	34.058093	-118.116862	Unknown	Unknown	1967044	300-2	LACFCD	CITY	*same as above
	34.044479	-118.153758	Unknown	Unknown	1914272		LACFCD	CITY	*same as above
	34.058094	-118.11816	Unknown	Unknown	1967042	300-2	LACFCD	CITY	*same as above
	34.044804	-118.153482	Unknown	Unknown	1914271		LACFCD	CITY	*same as above
	34.061365	-118.109257	Unknown	Unknown	1967063	300-2	LACFCD	CITY	*same as above
	34.058145	-118.116927	Unknown	Unknown	1967043	300-2	LACFCD	CITY	*same as above
	34.037062	-118.152836	Unknown	Unknown	1914091	300-2	LACFCD	CITY	*same as above
	34.040367	-118.152347	Unknown	Unknown	1914087	303-2	LACFCD	CITY	*same as above
	34.040547	-118.152872	Unknown	Unknown	1914309	300-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.066313	-118.110707	Unknown	Unknown	1966310	300-2	LACFCD	CITY	*same as above
	34.037226	-118.152835	Unknown	Unknown	1914090	300-2	LACFCD	CITY	*same as above
	34.04431	-118.164557	Unknown	Unknown	1914045		LACFCD	CITY	*same as above
	34.062734	-118.113079	Unknown	Unknown	1967129		LACFCD	CITY	*same as above
	34.062735	-118.112925	Unknown	Unknown	1967130		LACFCD	CITY	*same as above
	34.044405	-118.153744	Unknown	Unknown	1914273		LACFCD	CITY	*same as above
	34.053519	-118.150893	Unknown	Unknown	1913005	300-2	LACFCD	CITY	*same as above
	34.053321	-118.150769	Unknown	Unknown	1913006	300-2	LACFCD	CITY	*same as above
	34.056212	-118.118324	Unknown	Unknown	1967039	300-2	LACFCD	CITY	*same as above
	34.044805	-118.15383	Unknown	Unknown	1914270		LACFCD	CITY	*same as above
	34.058287	-118.116685	Unknown	Unknown	1967045	300-2	LACFCD	CITY	*same as above
	34.04852	-118.152441	Unknown	Unknown	1913104	301-2	LACFCD	CITY	*same as above
	34.05815	-118.118376	Unknown	Unknown	1967233	300-2	LACFCD	CITY	*same as above
	34.044473	-118.153577	Unknown	Unknown	1914274		LACFCD	CITY	*same as above
	34.04561	-118.153387	Unknown	Unknown	1913101		LACFCD	CITY	*same as above
	34.054027	-118.115422	Unknown	Unknown	1967197	300-2	LACFCD	CITY	*same as above
	34.048517	-118.152569	Unknown	Unknown	1913105	300-2	LACFCD	CITY	*same as above
	34.045618	-118.153886	Unknown	Unknown	1913098		LACFCD	CITY	*same as above
	34.039012	-118.152988	Unknown	Unknown	1914089	300-2	LACFCD	CITY	*same as above
	34.048351	-118.152266	Unknown	Unknown	1913102		LACFCD	CITY	*same as above
CPS Only	34.044399	-118.161824	Unknown	Unknown	1914037	302-2	LACFCD	CITY	*same as above
	34.04846	-118.152297	Unknown	Unknown	1913103	301-2	LACFCD	CITY	*same as above
	34.062709	-118.109286	Unknown	Unknown	1967120	300-2	LACFCD	CITY	*same as above
	34.055031	-118.115357	Unknown	Unknown	1967198	300-2	LACFCD	CITY	*same as above
	34.062706	-118.110677	Unknown	Unknown	1967124	300-2	LACFCD	CITY	*same as above
	34.062737	-118.111918	Unknown	Unknown	1967131	300-2	LACFCD	CITY	*same as above
	34.062572	-118.133215	Unknown	Unknown	1967001	300-2	LACFCD	CITY	*same as above
	34.062675	-118.132128	Unknown	Unknown	1967152	300-2	LACFCD	CITY	*same as above
	34.062576	-118.131928	Unknown	Unknown	1967154	300-2	LACFCD	CITY	*same as above
	34.062348	-118.131838	Unknown	Unknown	1967155	300-2	LACFCD	CITY	*same as above
	34.062344	-118.13316	Unknown	Unknown	1967002	300-2	LACFCD	CITY	*same as above
	34.062824	-118.11053	Unknown	Unknown	1967123	300-2	LACFCD	CITY	*same as above
	34.0627	-118.11177	Unknown	Unknown	1967132	300-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.062791	-118.109438	Unknown	Unknown	1967121	300-2	LACFCD	CITY	*same as above
	34.062615	-118.13199	Unknown	Unknown	1967153	300-2	LACFCD	CITY	*same as above
	34.062209	-118.134108	Unknown	Unknown	1967035	303-2	LACFCD	CITY	*same as above
	34.059777	-118.14561	Unknown	Unknown	1913013		LACFCD	CITY	*same as above
	34.059925	-118.145782	Unknown	Unknown	1913014		LACFCD	CITY	*same as above
	34.06076	-118.14235	Unknown	Unknown	1913045		LACFCD	CITY	*same as above
	34.045687	-118.153717	Unknown	Unknown	1913099		LACFCD	CITY	*same as above
	34.053616	-118.138948	Unknown	Unknown	1913138		LACFCD	CITY	*same as above
	34.040724	-118.156926	Unknown	Unknown	1914086		LACFCD	CITY	*same as above
	34.045636	-118.158084	Unknown	Unknown	1913087	302-2	LACFCD	CITY	*same as above
	34.045674	-118.160496	Unknown	Unknown	1913081	301-2	LACFCD	CITY	*same as above
	34.045359	-118.160409	Unknown	Unknown	1914289	302-2	LACFCD	CITY	*same as above
	34.045627	-118.158889	Unknown	Unknown	1913085	301-2	LACFCD	CITY	*same as above
	34.045632	-118.158192	Unknown	Unknown	1913086	301-2	LACFCD	CITY	*same as above
	34.045561	-118.157126	Unknown	Unknown	1913091	300-2	LACFCD	CITY	*same as above
	34.045053	-118.161811	Unknown	Unknown	1914277	300-2	LACFCD	CITY	*same as above
	34.045489	-118.160408	Unknown	Unknown	1913082	302-2	LACFCD	CITY	*same as above
	34.045727	-118.15568	Unknown	Unknown	1913096	301-2	LACFCD	CITY	*same as above
	34.045651	-118.155784	Unknown	Unknown	1913094	301-2	LACFCD	CITY	*same as above
	34.045759	-118.16182	Unknown	Unknown	1913076	300-2	LACFCD	CITY	*same as above
	34.045643	-118.156586	Unknown	Unknown	1913092	301-2	LACFCD	CITY	*same as above
	34.045337	-118.161518	Unknown	Unknown	1914276	302-2	LACFCD	CITY	*same as above
	34.062694	-118.122929	Unknown	Unknown	1967236	301-2	LACFCD	CITY	*same as above
	34.062699	-118.122734	Unknown	Unknown	1967237	301-2	LACFCD	CITY	*same as above
	34.059691	-118.1211	Unknown	Unknown	1967176	302-2	LACFCD	CITY	*same as above
	34.059926	-118.122708	Unknown	Unknown	1967160	302-2	LACFCD	CITY	*same as above
	34.059755	-118.123108	Unknown	Unknown	1967169	300-2	LACFCD	CITY	*same as above
	34.059577	-118.1229	Unknown	Unknown	1967171	303-2	LACFCD	CITY	*same as above
	34.059759	-118.122578	Unknown	Unknown	1967174	300-2	LACFCD	CITY	*same as above
	34.044022	-118.150286	Unknown	Unknown	1914268	301-2	LACFCD	CITY	*same as above
	34.044718	-118.15006	Unknown	Unknown	1914256	301-2	LACFCD	CITY	*same as above
	34.043979	-118.150495	Unknown	Unknown	1914267	303-2	LACFCD	CITY	*same as above
	34.045	-118.150691	Unknown	Unknown	1914254	301-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.043866	-118.150134	Unknown	Unknown	1914269	301-2	LACFCD	CITY	*same as above
	34.044723	-118.149837	Unknown	Unknown	1914258	301-2	LACFCD	CITY	*same as above
	34.04525	-118.151433	Unknown	Unknown	1914251	301-2	LACFCD	CITY	*same as above
	34.043946	-118.150414	Unknown	Unknown	1914266	301-2	LACFCD	CITY	*same as above
	34.045004	-118.150568	Unknown	Unknown	1914255	301-2	LACFCD	CITY	*same as above
	34.043936	-118.15021	Unknown	Unknown	1914283	301-2	LACFCD	CITY	*same as above
	34.059661	-118.122899	Unknown	Unknown	1967170	302-2	LACFCD	CITY	*same as above
	34.067475	-118.124541	Unknown	Unknown	1966277	300-2	LACFCD	CITY	*same as above
	34.066145	-118.111997	Unknown	Unknown	1966305	300-2	LACFCD	CITY	*same as above
ARS Only	34.066208	-118.123008	Unknown	Unknown	1966267	300-2	LACFCD	CITY	*same as above
	34.066412	-118.108026	Unknown	Unknown	1966333	300-2	LACFCD	CITY	*same as above
	34.066273	-118.110754	Unknown	Unknown	1966309	300-2	LACFCD	CITY	*same as above
	34.06613	-118.114278	Unknown	Unknown	1966298	300-2	LACFCD	CITY	*same as above
	34.066281	-118.109513	Unknown	Unknown	1966313	300-2	LACFCD	CITY	*same as above
	34.066085	-118.108226	Unknown	Unknown	1966335	303-2	LACFCD	CITY	*same as above
ARS & CPS	34.066266	-118.122962	Unknown	Unknown	1966265	301-2	LACFCD	CITY	*same as above
	34.066274	-118.118751	Unknown	Unknown	1966257	300-2	LACFCD	CITY	*same as above
	34.066248	-118.124378	Unknown	Unknown	1966269	300-2	LACFCD	CITY	*same as above
	34.066143	-118.113164	Unknown	Unknown	1966301	300-2	LACFCD	CITY	*same as above
	34.066173	-118.108327	Unknown	Unknown	1966336	303-2	LACFCD	CITY	*same as above
	34.066122	-118.116679	Unknown	Unknown	1966293	300-2	LACFCD	CITY	*same as above
	34.066278	-118.116917	Unknown	Unknown	1966296	300-2	LACFCD	CITY	*same as above
	34.06631	-118.111948	Unknown	Unknown	1966306	300-2	LACFCD	CITY	*same as above
	34.06626	-118.114271	Unknown	Unknown	1966299	300-2	LACFCD	CITY	*same as above
	34.069714	-118.124316	Unknown	Unknown	1966285	300-2	LACFCD	CITY	*same as above
	34.066354	-118.114033	Unknown	Unknown	1966300	300-2	LACFCD	CITY	*same as above
	34.066322	-118.109316	Unknown	Unknown	1966315	300-2	LACFCD	CITY	*same as above
	34.06631	-118.111799	Unknown	Unknown	1966307	300-2	LACFCD	CITY	*same as above
ARS & CPS	34.066347	-118.122963	Unknown	Unknown	1966266	301-2	LACFCD	CITY	*same as above
	34.066233	-118.11895	Unknown	Unknown	1966259	300-2	LACFCD	CITY	*same as above
	34.045209	-118.151332	Unknown	Unknown	1914252	301-2	LACFCD	CITY	*same as above
	34.062631	-118.116966	Unknown	Unknown	1967126	300-2	LACFCD	CITY	*same as above
	34.062817	-118.11672	Unknown	Unknown	1967128	300-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.062718	-118.116898	Unknown	Unknown	1967127	300-2	LACFCD	CITY	*same as above
	34.055245	-118.118614	Unknown	Unknown	1967182	300-2	LACFCD	CITY	*same as above
	34.055196	-118.119607	Unknown	Unknown	1967183	300-2	LACFCD	CITY	*same as above
	34.059887	-118.120166	Unknown	Unknown	1967163	302-2	LACFCD	CITY	*same as above
	34.059927	-118.119037	Unknown	Unknown	1967167	300-2	LACFCD	CITY	*same as above
	34.059728	-118.119626	Unknown	Unknown	1967181	302-2	LACFCD	CITY	*same as above
	34.059932	-118.118879	Unknown	Unknown	1967168	300-2	LACFCD	CITY	*same as above
	34.059692	-118.122685	Unknown	Unknown	1967172	302-2	LACFCD	CITY	*same as above
	34.05992	-118.122899	Unknown	Unknown	1967159	302-2	LACFCD	CITY	*same as above
	34.059592	-118.12268	Unknown	Unknown	1967173	303-2	LACFCD	CITY	*same as above
	34.044755	-118.149943	Unknown	Unknown	1914257	301-2	LACFCD	CITY	*same as above
	34.059903	-118.143106	Unknown	Unknown	1913016	305-2	LACFCD	CITY	*same as above
	34.045816	-118.146766	Unknown	Unknown	1913109	301-2	LACFCD	CITY	*same as above
	34.049097	-118.145842	Unknown	Unknown	1913124	301-2	LACFCD	CITY	*same as above
	34.049129	-118.145811	Unknown	Unknown	1913127	301-2	LACFCD	CITY	*same as above
	34.047511	-118.146742	Unknown	Unknown	1913117	301-2	LACFCD	CITY	*same as above
	34.048319	-118.146449	Unknown	Unknown	1913121	301-2	LACFCD	CITY	*same as above
	34.048996	-118.145736	Unknown	Unknown	1913125	301-2	LACFCD	CITY	*same as above
	34.048161	-118.146614	Unknown	Unknown	1913119	301-2	LACFCD	CITY	*same as above
	34.046581	-118.146847	Unknown	Unknown	1913113	301-2	LACFCD	CITY	*same as above
	34.04604	-118.146715	Unknown	Unknown	1913111	300-2	LACFCD	CITY	*same as above
	34.046662	-118.146756	Unknown	Unknown	1913114	301-2	LACFCD	CITY	*same as above
	34.046494	-118.146851	Unknown	Unknown	1913112	301-2	LACFCD	CITY	*same as above
	34.053969	-118.121518	Unknown	Unknown	1967192	301-2	LACFCD	CITY	*same as above
	34.049035	-118.145699	Unknown	Unknown	1913126	301-2	LACFCD	CITY	*same as above
	34.045281	-118.146462	Unknown	Unknown	1914265	301-2	LACFCD	CITY	*same as above
	34.045381	-118.146009	Unknown	Unknown	1914278	301-2	LACFCD	CITY	*same as above
	34.045868	-118.146887	Unknown	Unknown	1913110	301-2	LACFCD	CITY	*same as above
	34.04759	-118.14663	Unknown	Unknown	1913118	301-2	LACFCD	CITY	*same as above
	34.047436	-118.146749	Unknown	Unknown	1913116	301-2	LACFCD	CITY	*same as above
	34.048248	-118.146579	Unknown	Unknown	1913120	301-2	LACFCD	CITY	*same as above
	34.059771	-118.119821	Unknown	Unknown	1967178	300-2	LACFCD	CITY	*same as above
	34.059898	-118.119132	Unknown	Unknown	1967166	300-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.059928	-118.12121	Unknown	Unknown	1967161	300-2	LACFCD	CITY	*same as above
	34.059931	-118.121084	Unknown	Unknown	1967162	300-2	LACFCD	CITY	*same as above
	34.059531	-118.121101	Unknown	Unknown	1967177	302-2	LACFCD	CITY	*same as above
	34.059859	-118.127643	Unknown	Unknown	1967158	300-2	LACFCD	CITY	*same as above
	34.037657	-118.131458	Unknown	Unknown	1968073	300-2	LACFCD	CITY	*same as above
	34.040967	-118.134145	Unknown	Unknown	1968089	300-2	LACFCD	CITY	*same as above
	34.038257	-118.132553	Unknown	Unknown	1968081	300-2	LACFCD	CITY	*same as above
	34.03904	-118.133658	Unknown	Unknown	1968085	300-2	LACFCD	CITY	*same as above
	34.041011	-118.134332	Unknown	Unknown	1968088	300-2	LACFCD	CITY	*same as above
	34.038282	-118.131051	Unknown	Unknown	1968075	300-2	LACFCD	CITY	*same as above
	34.04347	-118.135577	Unknown	Unknown	1914033	300-2	LACFCD	CITY	*same as above
	34.039581	-118.1337	Unknown	Unknown	1968083	300-2	LACFCD	CITY	*same as above
	34.041997	-118.134876	Unknown	Unknown	1968094	300-2	LACFCD	CITY	*same as above
	34.038395	-118.132029	Unknown	Unknown	1968079	300-2	LACFCD	CITY	*same as above
	34.041783	-118.134885	Unknown	Unknown	1968092	300-2	LACFCD	CITY	*same as above
	34.056574	-118.13067	Unknown	Unknown	1967009		LACFCD	CITY	*same as above
	34.055713	-118.130471	Unknown	Unknown	1967008	300-2	LACFCD	CITY	*same as above
	34.056553	-118.133183	Unknown	Unknown	1967005	300-2	LACFCD	CITY	*same as above
	34.05665	-118.130108	Unknown	Unknown	1967012	300-2	LACFCD	CITY	*same as above
	34.05645	-118.133161	Unknown	Unknown	1967006	300-2	LACFCD	CITY	*same as above
	34.056734	-118.129881	Unknown	Unknown	1967013		LACFCD	CITY	*same as above
	34.0442	-118.148355	Unknown	Unknown	1914264	301-2	LACFCD	CITY	*same as above
	34.044234	-118.148458	Unknown	Unknown	1914263	301-2	LACFCD	CITY	*same as above
	34.044384	-118.149041	Unknown	Unknown	1914262	300-2	LACFCD	CITY	*same as above
	34.044447	-118.149101	Unknown	Unknown	1914261	301-2	LACFCD	CITY	*same as above
	34.04463	-118.149789	Unknown	Unknown	1914259		LACFCD	CITY	*same as above
	34.044522	-118.149182	Unknown	Unknown	1914260	301-2	LACFCD	CITY	*same as above
	34.061196	-118.122908	Unknown	Unknown	1967143	302-2	LACFCD	CITY	*same as above
	34.059633	-118.119736	Unknown	Unknown	1967180	303-2	LACFCD	CITY	*same as above
	34.059715	-118.119753	Unknown	Unknown	1967179	300-2	LACFCD	CITY	*same as above
	34.059726	-118.121203	Unknown	Unknown	1967175	302-2	LACFCD	CITY	*same as above
	34.034671	-118.117918	Unknown	Unknown	1968138	300-2	LACFCD	CITY	*same as above
	34.03516	-118.117894	Unknown	Unknown	1968008	302-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.033656	-118.129883	Unknown	Unknown	1968109	300-2	LACFCD	CITY	*same as above
	34.033714	-118.144066	Unknown	Unknown	1914209	300-2	LACFCD	CITY	*same as above
	34.036555	-118.13774	Unknown	Unknown	1914006	300-2	LACFCD	CITY	*same as above
	34.036526	-118.140741	Unknown	Unknown	1914017	300-2	LACFCD	CITY	*same as above
	34.034959	-118.140742	Unknown	Unknown	1914220	300-2	LACFCD	CITY	*same as above
	34.036889	-118.137899	Unknown	Unknown	1914001	300-2	LACFCD	CITY	*same as above
	34.036879	-118.141004	Unknown	Unknown	1914018	300-2	LACFCD	CITY	*same as above
	34.036501	-118.115052	Unknown	Unknown	1968012	302-2	LACFCD	CITY	*same as above
	34.035565	-118.11704	Unknown	Unknown	1968010	302-2	LACFCD	CITY	*same as above
	34.038566	-118.110669	Unknown	Unknown	1968019	300-2	LACFCD	CITY	*same as above
	34.035186	-118.117293	Unknown	Unknown	1968171	302-2	LACFCD	CITY	*same as above
	34.037567	-118.112789	Unknown	Unknown	1968014	302-2	LACFCD	CITY	*same as above
	34.0368	-118.137895	Unknown	Unknown	1914004	300-2	LACFCD	CITY	*same as above
	34.036442	-118.137888	Unknown	Unknown	1914007	300-2	LACFCD	CITY	*same as above
	34.03694	-118.138952	Unknown	Unknown	1914011	300-2	LACFCD	CITY	*same as above
	34.0369	-118.139069	Unknown	Unknown	1914013	302-2	LACFCD	CITY	*same as above
	34.03654	-118.138794	Unknown	Unknown	1914009	300-2	LACFCD	CITY	*same as above
	34.036724	-118.13774	Unknown	Unknown	1914005	300-2	LACFCD	CITY	*same as above
	34.033529	-118.143911	Unknown	Unknown	1914208	300-2	LACFCD	CITY	*same as above
	34.033665	-118.144244	Unknown	Unknown	1914207	302-2	LACFCD	CITY	*same as above
	34.033679	-118.140964	Unknown	Unknown	1914212	300-2	LACFCD	CITY	*same as above
	34.034324	-118.140733	Unknown	Unknown	1914217	300-2	LACFCD	CITY	*same as above
	34.033708	-118.140831	Unknown	Unknown	1914213	300-2	LACFCD	CITY	*same as above
	34.033774	-118.144068	Unknown	Unknown	1914210	300-2	LACFCD	CITY	*same as above
	34.03652	-118.141139	Unknown	Unknown	1914021	300-2	LACFCD	CITY	*same as above
	34.035059	-118.140708	Unknown	Unknown	1914221	302-2	LACFCD	CITY	*same as above
	34.036797	-118.140871	Unknown	Unknown	1914015	300-2	LACFCD	CITY	*same as above
	34.036707	-118.138794	Unknown	Unknown	1914010	300-2	LACFCD	CITY	*same as above
	34.036441	-118.138025	Unknown	Unknown	1914008	300-2	LACFCD	CITY	*same as above
	34.035895	-118.140993	Unknown	Unknown	1914022	300-2	LACFCD	CITY	*same as above
	34.036801	-118.141007	Unknown	Unknown	1914019	300-2	LACFCD	CITY	*same as above
	34.035898	-118.14087	Unknown	Unknown	1914023	300-2	LACFCD	CITY	*same as above
	34.03785	-118.120217	Unknown	Unknown	1968035	300-2	LACFCD	CITY	*same as above

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6 & 7	Col. 8	Col. 9	Col. 10	Col. 11
Certified FCD(s) Installed	Latitude	Longitude	FCD Owner	FCD Maintained By	CB ID No. Served by FCD	СВ Туре	CB Owner	CB Maintained By	Frequency of FCD Maintenance and other O&M comments
	34.03857	-118.110109	Unknown	Unknown	1968018	300-2	LACFCD	CITY	*same as above
	34.038729	-118.11035	Unknown	Unknown	1968020	300-2	LACFCD	CITY	*same as above
	34.039387	-118.108953	Unknown	Unknown	1968141	300-2	LACFCD	CITY	*same as above
	34.036181	-118.121265	Unknown	Unknown	1968039	300-2	LACFCD	CITY	*same as above
	34.038366	-118.120443	Unknown	Unknown	1968029	301-2	LACFCD	CITY	*same as above
	34.038568	-118.119848	Unknown	Unknown	1968021	300-2	LACFCD	CITY	*same as above
	34.038826	-118.119984	Unknown	Unknown	1968025	300-2	LACFCD	CITY	*same as above
	34.036323	-118.121209	Unknown	Unknown	1968040	300-2	LACFCD	CITY	*same as above
	34.037178	-118.125624	Unknown	Unknown	1968049	300-2	LACFCD	CITY	*same as above
	34.034672	-118.12498	Unknown	Unknown	1968102	300-2	LACFCD	CITY	*same as above
	34.037806	-118.120092	Unknown	Unknown	1968031	300-2	LACFCD	CITY	*same as above
	34.038985	-118.119834	Unknown	Unknown	1968024	300-2	LACFCD	CITY	*same as above
	34.038371	-118.120332	Unknown	Unknown	1968030	300-2	LACFCD	CITY	*same as above
ARS & CPS	34.037678	-118.120094	Unknown	Unknown	1968032	300-2	LACFCD	CITY	*same as above
	34.044571	-118.10053	Unknown	Unknown	2021053		LACFCD	CITY	*same as above
	34.068625	-118.129268	Unknown	Unknown	1966249	300-2	LACFCD	CITY	*same as above
	34.066008	-118.127662	Unknown	Unknown	1967138	300-2	LACFCD	CITY	*same as above
	34.066198	-118.12945	Unknown	Unknown	1966253	300-2	LACFCD	CITY	*same as above
	34.041055	-118.123296	Unknown	Unknown	1968064	300-2	LACFCD	CITY	*same as above
	34.040053	-118.124467	Unknown	Unknown	1968063	300-2	LACFCD	CITY	*same as above
	34.038377	-118.124345	Unknown	Unknown	1968061	300-2	LACFCD	CITY	*same as above
	34.038452	-118.124449	Unknown	Unknown	1968060	300-2	LACFCD	CITY	*same as above
	34.066073	-118.129376	Unknown	Unknown	1966459	300-2	LACFCD	CITY	*same as above
	34.06608	-118.12615	Unknown	Unknown	1966460	300-2	LACFCD	CITY	*same as above
	34.066366	-118.127666	Unknown	Unknown	1966255	300-2	LACFCD	CITY	*same as above