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EXHIBIT D

DRAFT

Non-Potable Water Resource Feasibility Study

PREPARED FOR:

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CITY OF BEVERLY HILLS - PUBLIC WORKS DEPARTMENT

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PREPARED BY:

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A. Project Overview

The City of Beverly Hills is located in the north-central region of the Ballona Creek Watershed, which drains a significant portion of the Los Angeles Basin. The watershed comprises 130 square miles along the southern face of the Santa Monica Mountain ridge to the north, the Harbor Freeway (110) to the east and the Baldwin Hills to the south. The Ballona Creek flood protection channel receives the majority of the Basin's runoff, conveying water nine miles southwest to the Ballona Wetlands Ecological Reserve before reaching the Santa Monica Bay.

Within the City of Beverly Hills, both public and private parcels discharge foundation, storm, and ground water into the municipal stormdrain system which releases into Ballona Creek Watershed's various floodway and drainage channels. Nonpoint source pollution is a critical concern to the organizations that govern these waterbodies due to adverse impact on public health and safety, particularly in recreational areas such as beaches and parks.

A focused analysis of City-wide dewatering activities was performed to assess the quantity and quality of foundation drainage water. The ultimate goal of the study was to determine if this water could be used to meet non-potable demands for City-owned facilities or otherwise reduce dependence on imported high quality potable water with the City. The following is an examination of possible solutions for reuse of this resource for non-potable demands within the City of Beverly Hills.

B. Water Resources Background

The majority of the City's water is imported surface water from the Metropolitan Water District (MWD). The water that is sourced locally comes from the Hollywood groundwater subbasin. Covering 10,500 acres, the Basin receives an average annual rainfall of 14 inches, the only means of recharge, and safe yields from the Basin are low. However, the City is located in the western portion of the Basin, which has higher production, and also has historic water rights in other portions of the Basin (City of Beverly Hills 2010 Urban Water Management Plan, 2011).

The City would like to expand its use of local water supplies including groundwater, and has initiated exploration of well options for increasing groundwater utilization. Therefore, groundwater currently being discharged via foundation dewatering is a valuable resource the City would like to utilize. A beneficial use clause is included into the permits associated with the foundation dewatering discharges and represents an opportunity for the City to enforce and/or encourage this type of reuse. In addition, non-potable reuse allows the water to be put to beneficial use without the need to treat the water to potable levels at the City's RO treatment plant.

C. Discharge Quantity Evaluation

A summary of all of the data available is provided in Appendix 1. For ease of interpretation and to identify reuse opportunities, these data were compiled into localized discharge groups called districts. Three distinct districts were identified: City Hall, San Vicente Blvd. and Wilshire Blvd. All the flows for the discharge sites within a given district were combined into a total flow for each district. The total monthly discharges for these three districts from January 2011 through December 2015 are shown in Figure 1. Note that a logarithmic scale is used on this figure.

The majority of the flows in the City Hall District ranged from 6.85 MG to about 16 MG per month. During 2012, flows started increasing in January and reached a maximum of 44.84MG per month in December 2012. Starting January 2013, the flows were back in the normal range. This excursion occurred during a period characterized as mostly "abnormally dry," but did occur after a fairly wet year (2011). The increased flows could be a function of increasing groundwater availability due to precipitation in the previous year. Flow data are presented in tabulated form in Appendix 2, Table 1 for each site in the City Hall District.

The flows for the San Vicente District were the lowest for the majority of the study period ranging from 0.24 to 3.48 million gallons (MG) per month. Starting in December 2014, these flows increase from 3.53 MG to 13.91 MG per month. The discharge flows in the San Vicente district increased consistently over this period when Los Angeles County was in the midst of extreme to exceptional drought. It is unclear what cause these flows to increase to this extent after four years of relatively consistent discharge. Flow data are presented in tabulated form in Appendix 2, Table 2 for each site in the San Vicente District.

The Wilshire District total discharges range from 5.41 to 22.53 MG per month over the study period, with the most variability also occurring in 2012. The discharge in this district is dominated by 9601 Wilshire Blvd. where annual average flows were approximately 50 MG per year over the 5-year study period. Flow data are presented in tabulated form in Appendix 2, Table 3 for each site in the Wilshire District.

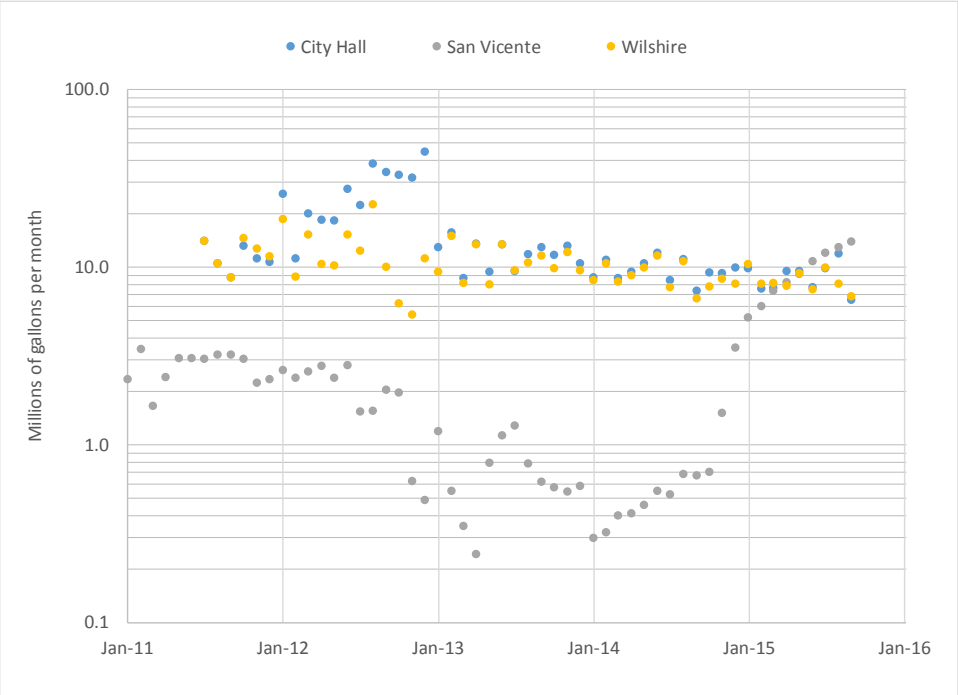


Figure 1. Monthly discharge rate grouped by geographic area, or district

D. Variability of Flows

To understand how foundation dewatering flows might be correlated to environmental conditions, rainfall and drought data were analyzed. Historic and current rainfall data across seasons (wet vs. dry) and years (drought and normal years) did not appear to be connected with discharge flows at a regional scale. It is important to note that during the period analyzed (2011-2015), no "wet" years occurred. This additional analysis was not conducted, as it can be assumed values would be higher in "wet" years, and non-critical to supply/demand stressors. As such, the flows evaluated are likely to be the lowest that would be anticipated (drought condition or normal year).

It is not clear exactly how the drought condition influences the flows. The relatively consistent flows district-wide, with the exception of excursions upward (higher flows), does represent an opportunity for district scale reuse because, as discussed above, these data cover a relatively dry period. Drought conditions by year are presented in tabulated form in Appendix 2, Table 4 for Los Angeles County. The lack of clear trend or tie to environmental factors may be an area of further study for the City; focusing on the basin-wide hydrogeology as well as other factors at the site level is recommended.

Due to the historic multi-year drought throughout the state of California, hydrogeological variability, and the limited range of annual data, it is difficult to predict flows from foundation dewatering. Groundwater levels and soil types were also investigated and also did not show a

correlation to discharge flows site to site. Note that there are some months where any given site may have reported zero discharge but the contribution of other sites served to make up this flow. This variability from site to site is another rationale for district or neighborhood scale systems. Flows from these discharges represent a large volume of relatively clean water that can be made available for beneficial uses.

E. City-Wide Mapping

Using an imbedded ArcMap algorithm, SDE was able to interpret each discharge location's reuse value based on discharge quantity and radial distance adjacent to public land. Each radial extent is based on an "infrastructure expansion value" representing different levels of needed investment if non-potable water reuse were to be implemented.

A draft exhibit (Exhibit A) was provided to the City of Beverly Hills in February 2016, and graphically represents the current permitted water discharge flows and quality. On this map, there are four levels, or distances, ranging from an eighth of a mile at the most concentrated extent (minor investment) to a mile radius at the largest extent (larger district investment).

After analyzing actual flow data, SDE interpreted the findings through the same ArcMap algorithm, replacing permitted discharge flow with actual discharge flow (overall discharge value) based on the overall monthly average. This was achieved by assigning values to distance radii and multiplying the optimal distance (in this case being 1/8 of a mile) by the discharge amount. Exhibit B compares "permitted discharge" (which are reflected in the size of the dots) compared to "actual overall monthly discharge" (which is reflected in the color ramp). On this map, the greater the original discharge volume, the slower the gradient of color diminishes over distance (1/8 mile) from the source point, where as a relatively small discharge volume will fade out quickly over a shorter distance from its source point.

D. District Scale Water Reuse Opportunities

Through this City-wide mapping effort, three "districts" were identified (City Hall, Wilshire and San Vicente) as described above. The City Hall District (Exhibit C) shows seven discharges sites and a total potential discharge of 135 MG annually. There appear to be opportunities to for non-potable water reuse along multiple segments of Beverly Gardens Park, Santa Monica Blvd. Median, the Burton Way Median, and a number of the government offices for the City of Beverly Hills. Seasonal average discharges are provided in Table 1, where the total annual discharge is the wet plus the dry season. Note that there does not appear to be a significant difference in flows between wet and dry seasons.

Table 1. City Hall District Average Annual Flows by Season (wet + dry = annual)

SITE ID	BUILDING NAME (SITE AREA)	ANNUAL AVERAGE DISCHARGE, MG WET SEASON	DRY SEASON	NUMBER OF DATA POINTS
CI 6975	433 NORTH DOHENY DRIVE	0.00	0.00	10
CI 7400	Burton Way Median by Foothill Road	0.83	1.19	10
CI 7738	331 N. MAPLE DRIVE	20.20	22.82	10
CI 8180	407 N. MAPLE DRIVE	42.22	44.90	18
CI 8509	345 FOOTHILL ROAD	1.00	1.36	10
CI 8941	437 N. PALM DRIVE	0.30	0.14	18
CI 9790	9336 CIVIC CENTER DRIVE	0.25	0.29	8
	TOTAL:	**64.80**	**70.70**	**84**

The San Vicente District (Exhibit D) shows seven discharge sites and a total potential discharge of 30 MG per year. Reuse opportunities include Horace Mann School, which is located nearby 8767 Wilshire Blvd., the site that provides the majority of the flow for this district (over 20 MG per year). The remainder of the 10 MG per year of flow available in this district could be used to irrigate La Cienega Park to the south. Seasonal average discharges are provided in Table 2; wet and dry season flows are relatively similar in the San Vicente District as well.

Table 2. San Vicente District Average Annual Flows by Season (wet + dry = annual)

SITE ID	BUILDING NAME (SITE AREA)	ANNUAL AVERAGE DISCHARGE, MG WET SEASON	DRY SEASON	NUMBER OF DATA POINTS
CI 9254	8767 WILSHIRE BOULEVARD	7.73	12.98	12
CI 9953	119, 121 & 123 SAN VICENTE BOULEVARD	0.00	0.00	4
CI 5690	8484 WILSHIRE BLVD.	0.48	0.56	34
CI 7938	99 N. LA CIENEGA BLVD.	2.49	3.06	12
CI 8463	8383 WILSHIRE BOULEVARD	0.38	0.34	10
CI 9102	225 S. HAMILTON DRIVE	0.09	0.13	2
CI 9126	8536 WILSHIRE BOULEVARD	1.17	1.46	10
	TOTAL:	**12.34**	**18.52**	**84**

Wilshire District (Exhibit E) also includes seven discharge sites, between which annual average flows total 112 MG. In this district, the highest flows occur from 9601 Wilshire Blvd office building high rise (100 MG), which is within half a mile of the northeast end of Beverly Gardens Park. The remaining flows are farther south and east where other non-potable reuse opportunities could be considered by the private sector. Seasonal average discharges are provided in Table 3. One site (131 S. RODEO DRIVE) had substantially higher wet season flows but the other sites reflected the overall trend toward no seasonal effect on flows.

Table 3. Wilshire District Average Annual Flows by Season (wet + dry = annual)

SITE ID	BUILDING NAME (SITE AREA)	ANNUAL AVERAGE DISCHARGE, MG WET SEASON	DRY SEASON	NUMBER OF DATA POINTS
CI 10071	9200 WILSHIRE BOULEVARD	0.00	0.00	4
CI 6679	131 S. RODEO DRIVE	5.26	0.18	14
CI 6904	100 N. CRESCENT DRIVE	0.06	0.06	12
CI 7002	9480 Dayton Way	0.01	0.02	10
CI 7073	9570 Wilshire Blvd	2.16	2.25	10
CI 8355	9601 WILSHIRE BOULEVARD	45.98	53.31	10
CI 9230	150 S. EL CAMINO DRIVE	1.73	1.26	10
	TOTAL:	55.19	57.07	70

Layering public properties into the exhibits, we find that a number of discharge source points have adequate water supply to offset irrigation and non-potable demands for the following public lands that fall within the 1/8-mile vicinity:

1. Santa Monica Blvd. Median (City Hall District, Exhibit C)
2. Burton Way Blvd. Median (City Hall District, Exhibit C)
3. City of Beverly Hills Police Department (City Hall District, Exhibit C)
4. City of Beverly Hills Public Library (City Hall District, Exhibit C)
5. City of Beverly Hills Community Development (City Hall District, Exhibit C)
6. City of Beverly Hills Public Works (City Hall District, Exhibit C)
7. City of Beverly Hills Cable TV Office (City Hall District, Exhibit C)
8. City of Beverly Hills Maintenance Office / Lot (City Hall District, Exhibit C)
9. City of Beverly Hills Employees Federal Credit Union (City Hall District, Exhibit C)
10. Beverly Gardens Park (City Hall District, Exhibit C and Wilshire District, Exhibit E)
11. La Cienega Park (San Vicente District, Exhibit C)
12. Horace Mann School (San Vicente District, Exhibit C)

E. Water Reuse Plan Next Steps

The City has expressed interest in prioritizing the use of publicly owned discharge flows for publicly owned infrastructure. Based on proximities as shown in the district-scale mapping, it may make sense to install infrastructure at site scale or possibly neighborhood scale. For example, permanent, neighborhood scale infrastructure such as purple pipe and pressurization may be an opportunity to pursue along Burton Way and other street medians. Over time, this type of purple pipe network could be charged by other water sources centrally.

Private discharge sites may also represent an opportunity for reuse. Further direction is requested from the City to understand the regulatory constraints around beneficial use of this resource. Further, use of both private and public discharges for private beneficial use may be

another opportunity in some districts as identified in the mapping exercise. A discussion with the City using the maps as tools is recommended to determine the final recommendation.

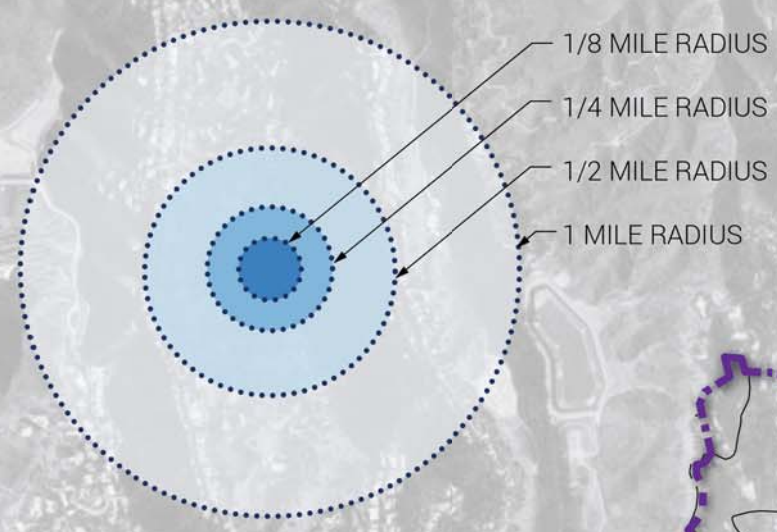
Beneficial reuse may be possible is areas where foundation dewatering flows are nearby public land, shown in green on each of the district scale maps, or where other beneficial uses could be implemented. A key reuse opportunity is directly at site scale for cooling tower make up water, toilet flushing, or irrigation. The City may want to consider creating policy and programming that encourages beneficial use at site scale as reflected in the terms of each NPDES discharge permit.

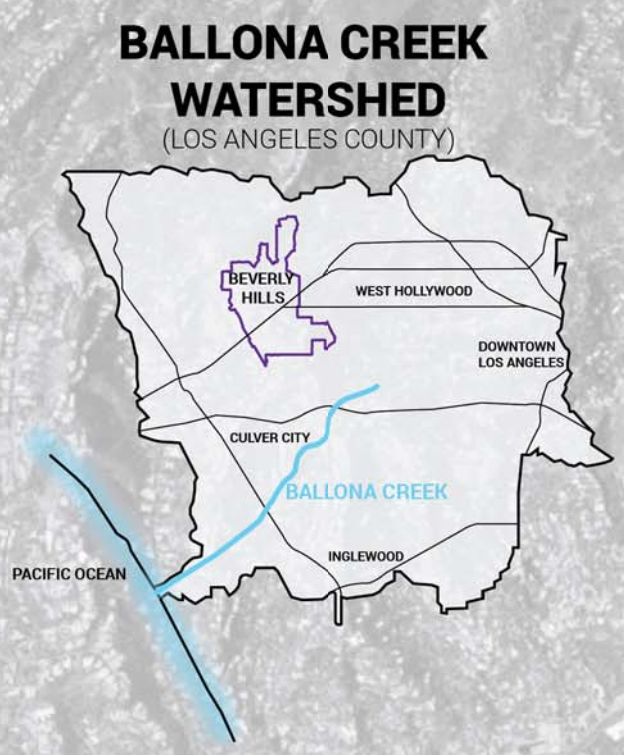
Exhibit A

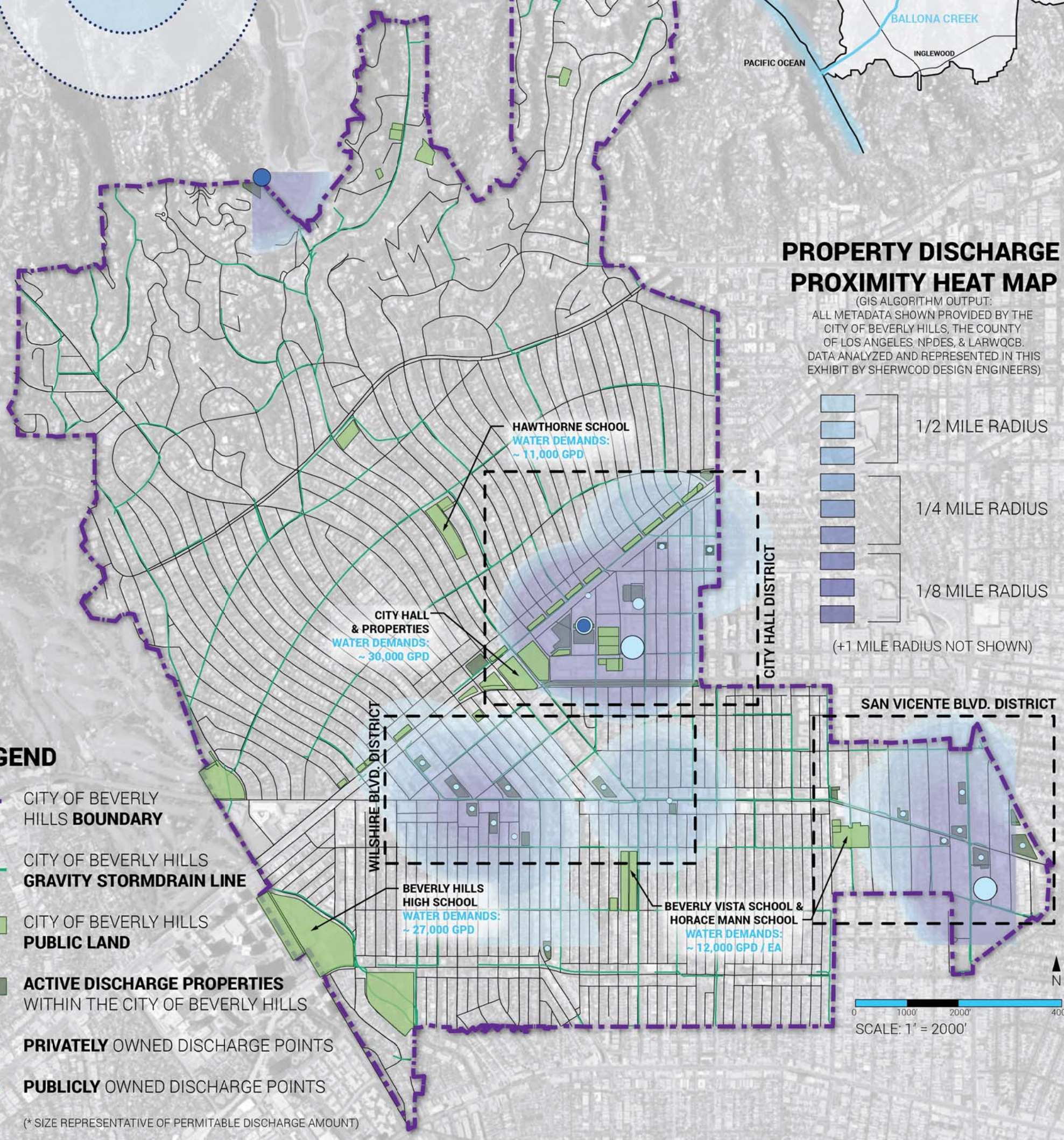
WATER DISCHARGE FLOWS & QUALITY

THE CITY OF BEVERLY HILLS

DATA + INNOVATION

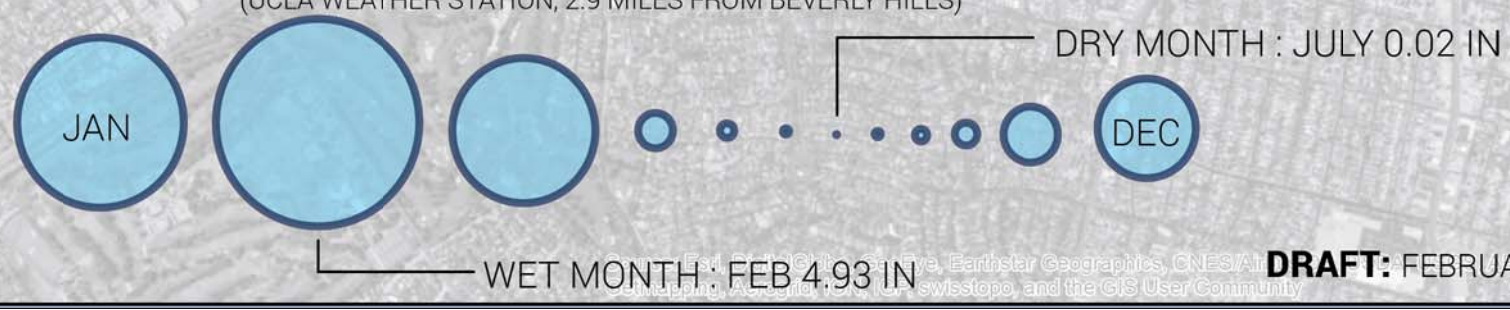






AVERAGE PRECIPITATION

LARWQCB: WET SEASON (NOV. 15 - APRIL 15) / DRY SEASON (APRIL 16 - NOVEMBER 14)
(UCLA WEATHER STATION, 2.9 MILES FROM BEVERLY HILLS)



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DRAFT: FEBRUARY 2016

Exhibit B

WATER DISCHARGE FLOWS v PERMITTED FLOWS

THE CITY OF BEVERLY HILLS

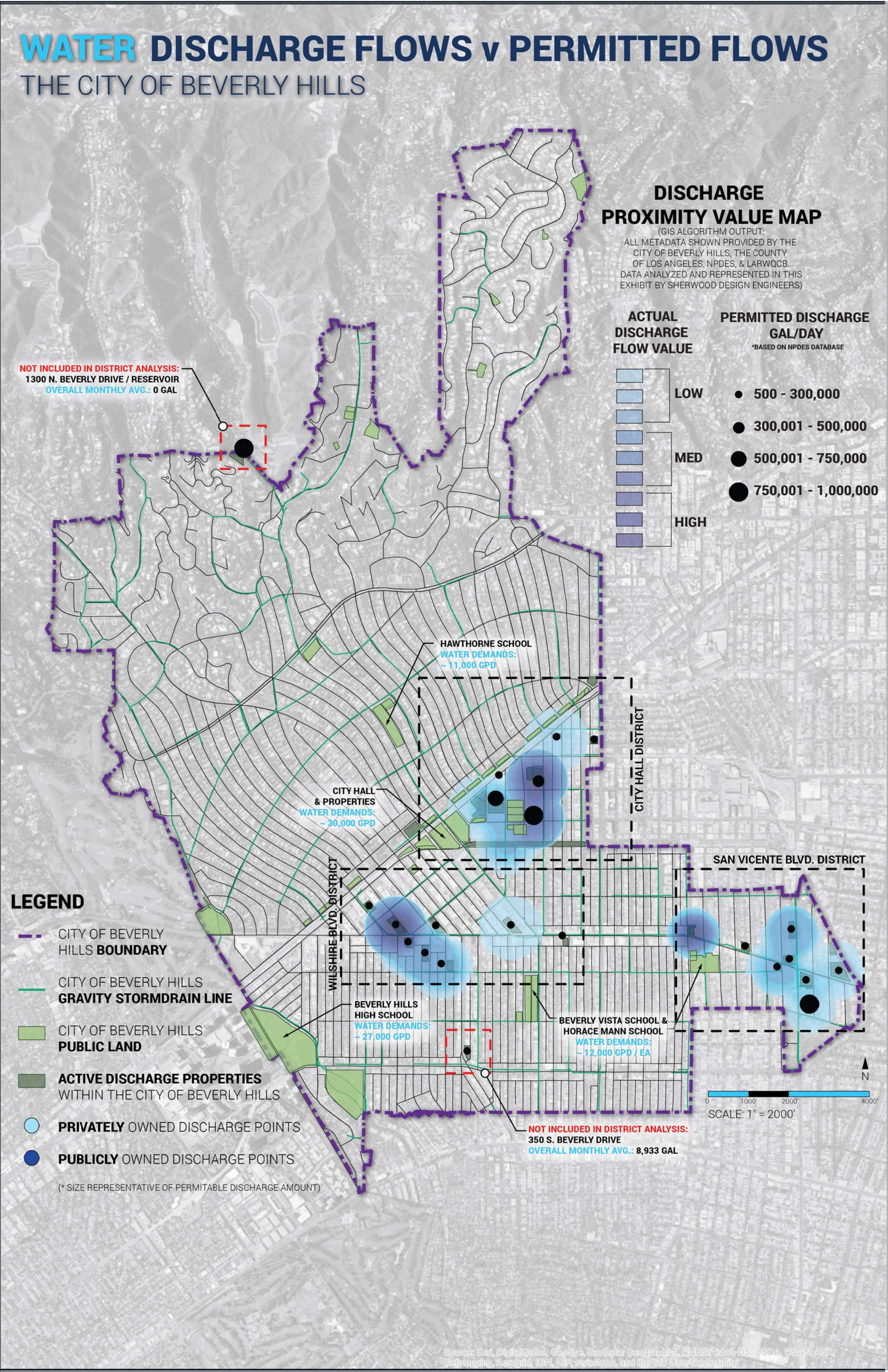


Exhibit C

WATER DISCHARGE RE-USE: CITY HALL DISTRICT

THE CITY OF BEVERLY HILLS

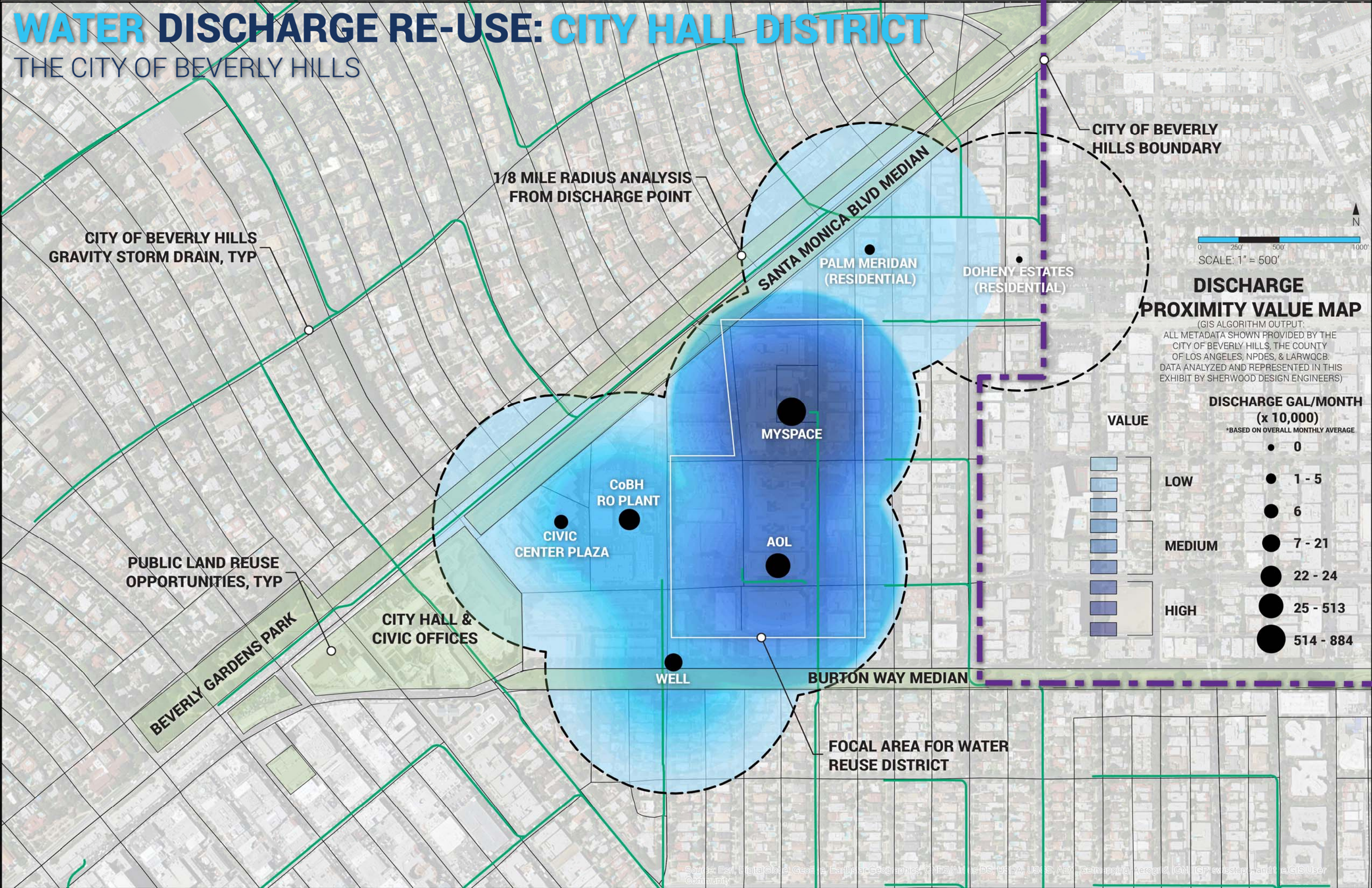


Exhibit D

WATER DISCHARGE RE-USE: SAN VICENTE BLVD. DISTRICT

THE CITY OF BEVERLY HILLS

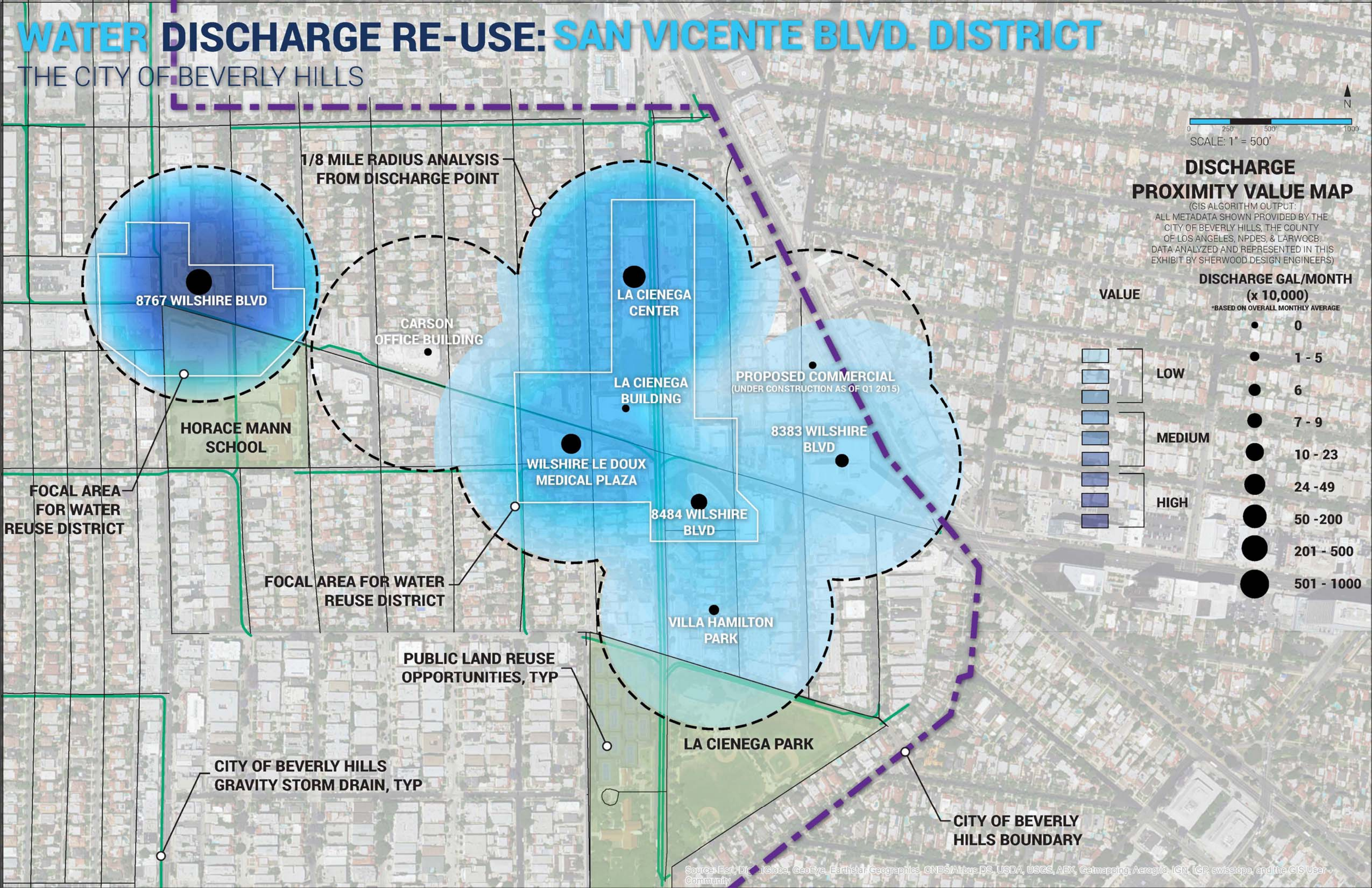
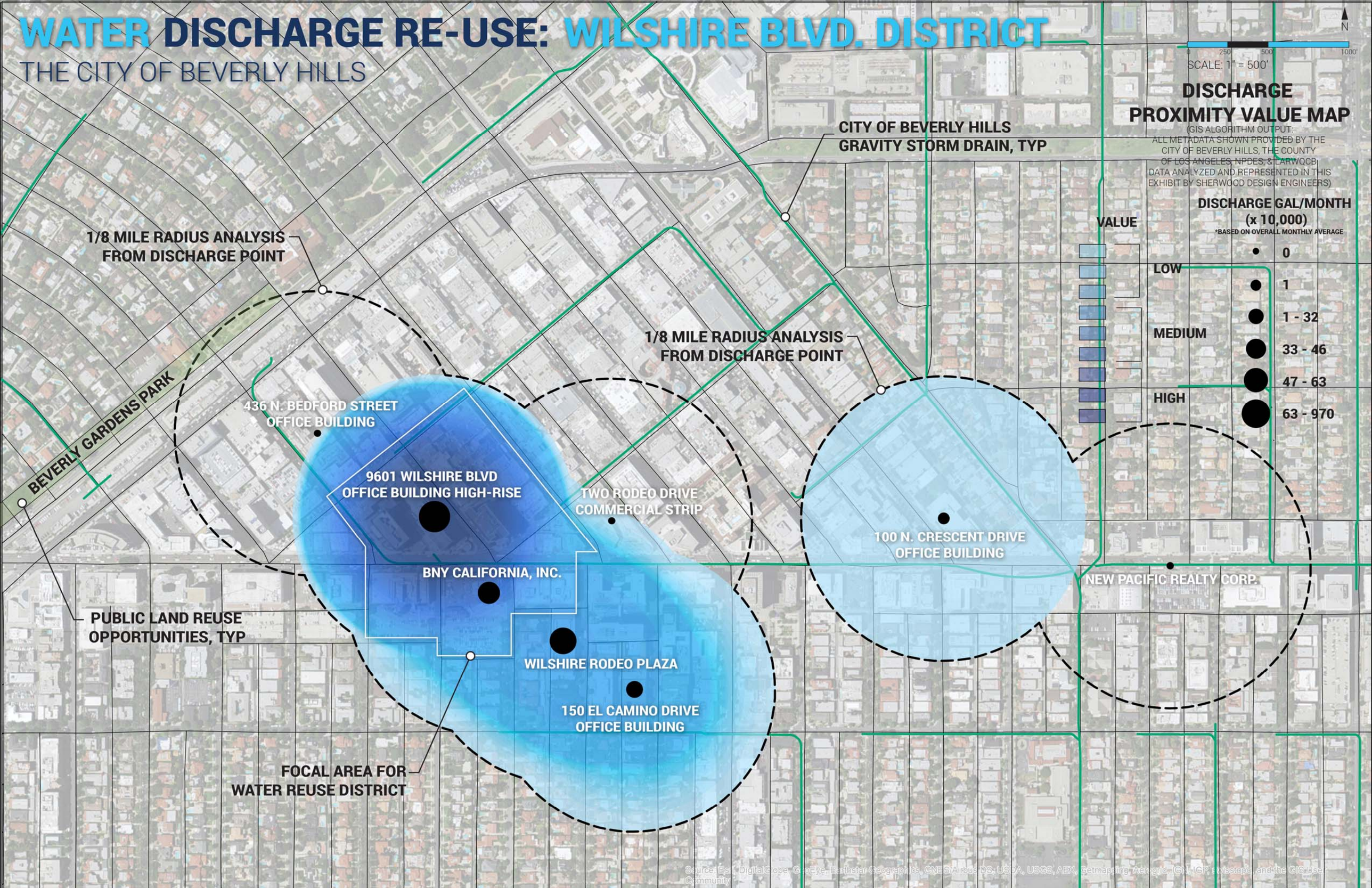


Exhibit E

WATER DISCHARGE RE-USE: WILSHIRE BLVD. DISTRICT

THE CITY OF BEVERLY HILLS



Appendix 1

Table 1. City Hall District Total Annual Flows (millions of gallons)

Site ID	Building Name (Site Area)	Season	2007	2008	2009	2010	2011	2012	2013	2014	2015
CI 6975	433 NORTH DOHENY DRIVE	WET					0.00	0.00	0.00	0.00	0.00
CI 6975	(14,500 SF)	DRY					0.00	0.00	0.00	0.00	0.00
CI 7400	Burton Way Median by Foothill Road	WET					0.04	1.43	2.31	0.13	0.21
CI 7400	(no data)	DRY					0.16	0.02	0.66	0.93	4.21
CI 7738	331 N. MAPLE DRIVE	WET					0.00	88.84	6.40	3.82	1.97
CI 7738	(34,750 SF)	DRY					0.00	102.87	4.79	4.77	1.65
CI 8180	407 N. MAPLE DRIVE	WET	0.00	23.69	67.03	59.37	21.88	62.18	64.36	49.10	32.40
CI 8180	(58,000 SF)	DRY	1.97	10.71	65.08	59.78	46.42	71.23	58.57	50.69	39.64
CI 8509	345 FOOTHILL ROAD	WET					0.00	0.00	1.31	3.65	0.03
CI 8509	(28,750 SF)	DRY					0.00	0.00	4.66	2.13	0.00
CI 8941	437 N. PALM DRIVE	WET	2.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CI 8941	(no data)	DRY	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CI 9790	9336 CIVIC CENTER DRIVE	WET						0.22	0.31	0.43	0.04
CI 9790	(46,000 SF)	DRY						0.18	0.40	0.38	0.21

Note: no data prior to 2007

Table 2. San Vicente District Total Annual Flows (millions of gallons)

SITE ID	BUILDING NAME (SITE AREA)	SEASON	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
CI 9254	8767 WILSHIRE BOULEVARD	WET												2.40	7.61	7.42	1.01	4.22	23.74
CI 9254	(38,000 SF)	DRY												3.85	10.50	9.00	1.05	1.50	51.97
CI 9953	119, 121 & 123 SAN VICENTE BOULEVARD	WET															0.00	0.00	
CI 9953	(21,500 SF)	DRY															0.00	0.00	
CI 5690	8484 WILSHIRE BLVD.	WET	1.24	0.50	0.96	0.48	0.85	0.14	0.25	0.19	0.15	0.15	0.14	0.15	0.17	0.13	0.50	1.21	0.87
CI 5690	(22,000 SF)	DRY	0.44	0.35	1.12	1.10	1.53	0.17	0.22	0.21	0.13	0.14	0.13	0.15	0.17	0.14	1.43	1.18	0.84
CI 7938	99 N. LA CIENEGA BLVD.	WET												6.64	4.53	2.35	0.83	0.16	0.39
CI 7938	(33,000 SF)	DRY												6.29	6.38	2.02	1.68	0.22	1.78
CI 8463	8383 WILSHIRE BOULEVARD	WET													0.22	0.60	0.55	0.34	0.20
CI 8463	(55,000 SF)	DRY													0.18	0.61	0.52	0.22	0.16
CI 9102	225 S. HAMILTON DRIVE	WET								0.09									
CI 9102	(13,500 SF)	DRY								0.13									
CI 9126	8536 WILSHIRE BOULEVARD	WET													1.92	1.00	0.58	0.55	1.81
CI 9126	(13,000 SF)	DRY													1.47	0.56	0.53	0.48	4.26

Table 3. Wilshire District Total Annual Flows (millions of gallons)

SITE ID	BUILDING NAME (SITE AREA)	SEASON	1998	1999	2000	2001	2010	2011	2012	2013	2014	2015
CI 10071	9200 WILSHIRE BOULEVARD	WET									0.00	0.00
CI 10071	(42,000 SF)	DRY									0.00	0.00
CI 6679	131 S. RODEO DRIVE	WET	13.41	15.99		7.36			0.00	0.00	0.02	0.00
CI 6679	38,000	DRY	0.00	0.00		1.25			0.00	0.00	0.00	0.00
CI 6904	100 N. CRESCENT DRIVE	WET					0.07	0.05	0.04	0.06	0.09	0.01
CI 6904	(33,500 SF)	DRY					0.06	0.05	0.05	0.05	0.09	0.04
CI 7002	9480 Dayton Way	WET						0.03	0.00	0.00	0.00	0.00
CI 7002	(41,500 SF)	DRY						0.05	0.03	0.00	0.00	0.00
CI 7073	9570 Wilshire Blvd	WET						1.61	3.98	1.28	2.33	1.59
CI 7073	(21,500 SF)	DRY						0.79	3.74	2.64	2.20	1.87
CI 8355	9601 WILSHIRE BOULEVARD	WET						21.88	62.16	64.36	49.10	32.40
CI 8355	(56,000 SF)	DRY						46.42	71.23	58.57	50.69	39.64
CI 9230	150 S. EL CAMINO DRIVE	WET						0.72	3.76	2.16	1.47	0.54
CI 9230	(28,000 SF)	DRY						0.72	1.82	2.03	1.56	0.19

Note: no data from 2002 to 2009

Table 4. Drought Intensity for Los Angeles County showing percent of the County exposed to the given state of drought;
States of drought: D0 (Abnormally Dry); D1 (Moderate Drought); D2 (Severe Drought); D3 (Extreme Drought); D4 (Exceptional Drought)
(Source: National Drought Mitigation Center, University of Nebraska – Lincoln, http://droughtmonitor.unl.edu/)

YEAR	NORMAL	D0-D4	D1-D4	D2-D4	D3-D4	D4	AVERAGE CLASSIFICATION RANGE THROUGHOUT THE YEAR
2000	84%	16%					Normal to Abnormally Dry
2001	96%	4%					Normal to Abnormally Dry
2002	9%	91%	61%	36%			Normal to Severe Drought
2003	68%	32%	7%				Normal to Moderate Drought
2004	18%	82%	49%	11%			Normal to Severe Drought
2005	100%						Normal
2006	89%	11%					Normal to Abnormally Dry
2007		100%	100%	88%	77%		Abnormally Dry to Extreme Drought
2008	8%	92%	71%	26%	2%		Normal to Extreme Drought
2009		100%	92%	56%			Abnormally Dry to Severe Drought
2010	91%	9%	5%	2%			Normal to Severe Drought
2011	100%						Normal
2012	11%	89%	25%	1%			Abnormally Dry to Severe Drought
2013		100%	83%	61%	2%		Abnormally Dry to Extreme Drought
2014		100%	100%	100%	95%	47%	Abnormally Dry to Exceptional Drought
2015		100%	100%	100%	100%	88%	Abnormally Dry to Exceptional Drought

Appendix 2

PERMIT #	YEAR	MONTH	WET SEASON AVG / GAL /MO (NOV-APRIL)	DRY SEASON AVG / GAL /MO (MAY - OCT)	COMMENTS
SAN VIVENTE BLVD. ANALYSIS					
CI 5690					
ADDRESS:	8484 WILSHIRE BLVD.				
	1999				
		January	655,050		
		February	267,430		
		March	267,430		
		April	47,700		
		May		134,400	
		June		298,300	
		July		1,300	
		August		2,900	
		September		3,500	
		October		1,600	
		November	3,300		
		December	3,800		
	2000				
		January	2,400		
		February	4,000		
		March	3,400		
		April	6,000		
		May		5,300	
		June		6,600	
		July		3,700	
		August		6,300	
		September		247,100	
		October		83,900	
		November	248,000		
		December	235,000		
	2001				
		January	215,900		
		February	296,800		
		March	275,400		
		April	164,600		
		May		325,900	
		June		233,700	
		July		97,800	
		August		241,900	
		September		214,800	
		October		10,500	
		November	2,800		
		December	4,400		
	2002				
		January	5,700		
		February	1,600		
		March	1,000		
		April	900		
		May		1,300	
		June		1,800	
		July		252,900	
		August		314,300	
		September		312,400	
		October		215,500	
		November	227,200		
		December	248,400		
	2003				
		January	249,200		
		February	24,500		
		March	251,300		
		April	326,300		
		May		336,200	
		June		257,700	
		July		245,900	
		August		278,200	
		September		350,700	
		October		57,800	
		November	0		
		December	0		
	2004				
		January	0		

(1999-2015) Monthly Avg.	
January	107,966
February	70,706
March	88,874
April	75,242
May	98,226
June	104,838
July	85,091
August	98,788
September	114,229
October	58,854
November	75,471
December	66,089

Overall Monthly Avg.
87,031

Avg. per Year	
1999	140,559
2000	70,975
2001	173,708
2002	131,917
2003	198,150
2004	25,762
2005	38,813
2006	32,910
2007	23,760
2008	24,088
2009	22,518
2010	25,000
2011	28,830
2012	22,496
2013	160,687
2014	199,550
2015	190,811

Yearly Avg.	
1999-2015	88,855

2012 v 2015 Normal v Dry Ratio	
12%	1:8

GIS Algorithm	
Water (Distance) = Value	
87,031	9
43,516	4
21,758	2
10,879	1

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

	February	25,410	
	March	25,360	
	April	32,900	
	May		31,060
	June		29,760
	July		28,060
	August		30,530
	September		30,530
	October		21,130
	November	27,540	
	December	26,860	
2005			
	January	30,240	
	February	51,510	
	March	49,380	
	April	55,420	
	May		45,770
	June		38,350
	July		39,980
	August		29,730
	September		32,380
	October		31,840
	November	29,610	
	December	31,550	
2006			
	January	34,640	
	February	31,960	
	March	29,550	
	April	37,550	
	May		35,760
	June		37,880
	July		37,170
	August		31,450
	September		32,840
	October		31,080
	November	28,590	
	December	26,450	
2007			
	January	29,490	
	February	24,250	
	March	24,750	
	April	27,960	
	May		23,130
	June		26,870
	July		20,720
	August		21,030
	September		23,760
	October		18,350
	November	20,620	
	December	24,190	
2008			
	January	20,230	
	February	25,150	
	March	30,020	
	April	26,950	
	May		25,650
	June		26,120
	July		24,830
	August		20,360
	September		25,310
	October		20,810
	November	23,700	
	December	19,920	
2009			
	January	23,370	
	February	22,670	
	March	22,070	
	April	24,630	
	May		23,710
	June		23,530
	July		21,770
	August		23,730
	September		20,510
	October		20,960

	November	22,560		
	December	20,700		
2010				
	January	25,060		
	February	22,630		
	March	27,970		
	April	31,660		
	May		30,340	
	June		25,520	
	July		24,510	
	August		28,010	
	September		19,600	
	October		22,350	
	November	24,360		
	December	17,990		
2011				
	January	34,730		
	February	31,470		
	March	29,030		
	April	35,250		
	May		37,100	
	June		31,730	
	July		29,270	
	August		27,020	
	September		25,660	
	October		22,350	
	November	24,360		
	December	17,990		
2012				
	January	22,340		
	February	22,880		
	March	25,090		
	April	21,400		
	May		22,680	
	June		23,940	
	July		23,170	
	August		21,810	
	September		24,470	
	October		19,270	
	November	21,290		
	December	21,610		
2013				
	January	21,600		
	February	21,810		
	March	20,290		
	April	21,990		
	May		287,071	*(Total quarter - April) / 2
	June		287,071	
	July		215,603	* Total quarter / 3
	August		215,603	
	September		215,603	
	October		207,202	* Total quarter / 3
	November	207,202		
	December	207,202		
2014				
	January	185,573		
	February	199,434		
	March	189,924		
	April	190,871		
	May		193,682	
	June		237,302	
	July		170,845	
	August		242,136	
	September		180,037	
	October		157,029	
	November	296,409		
	December	151,356		
2015				
	January	279,899		
	February	128,492		
	March	238,898		
	April	227,041		
	May		110,793	

June		196,071
July		209,025
August		144,385
September		182,698
October		N/A
November	N/A	
December	N/A	

WILLSHIRE BLVD. ANALYSIS

CI 6679

ADDRESS: 131 S. RODEO DRIVE

1998			
January	61,024		
February	564,996		
March	5,832,920		
April	6,953,997		
May		N/A	
June		N/A	
July		N/A	
August		N/A	
September		N/A	
October		N/A	
November	N/A		
December	N/A		
1999			
January	4,809,970		
February	7,783,970		
March	3,398,998		
April	N/A		
May		N/A	
June		N/A	
July		N/A	
August		N/A	
September		N/A	
October		N/A	
November	N/A		
December	N/A		
2001			
January	97,103		
February	649,326		
March	531,909		
April	N/A		
May		N/A	
June		N/A	
July		N/A	
August		N/A	
September		N/A	
October		1,250,125	
November	1,876,245		
December	4,207,501		
2012			
January	N/A		
February	8.7		
March	9		
April	0		
May		6.6	
June		10.2	
July		2.9	
August		0.3	
September		2.2	
October		N/A	
November	N/A		
December	N/A		
2013			
January	N/A		
February	0.3		
March	0.8		
April	0		
May		0.1	
June		4	
July		0.3	
August		1.5	
September		1.6	

(1998-2015) Monthly Avg.	
January	993,696
February	1,285,582
March	1,394,915
April	1,391,194
May	18
June	4
July	1
August	206
September	1
October	416,859
November	627,102
December	1,407,178
Overall Monthly Avg.	626,396

Avg. per Year	
1998	3,353,234
1999	5,330,979
2001	1,435,368
2012	5
2013	1
2014	1,857
2015	230

Yearly Avg.	
1998-2015	1,445,954

GIS Algorithm

Water (Distance) = Value	
626,396	63
313,198	31
156,599	16
78,300	8

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

2012 v 2015 Normal v Dry Ratio

2% 1:50

October		1.2
November	0.6	
December	0	
2014		
January	1.1	
February	4.8	
March	3.6	
April	1,906	
May		0
June		0
July		0
August		823
September		0
October		450
November	5,060	
December	14,034	
2015		
January	380	
February	765	
March	564	
April	67	
May		66
June		0
July		0
August		0
September		N/A
October		N/A
November	N/A	
December	N/A	

SAN VIVENTE BLVD. ANALYSIS

CI 6688

ADDRESS: 8641 WILSHIRE BOULEVARD

NO DISCHARGE INFORMATIOARGE INFORMATION FOUND
ONLY WATER QUALITY

WILLSHIRE BLVD. ANALYSIS

CI 6848

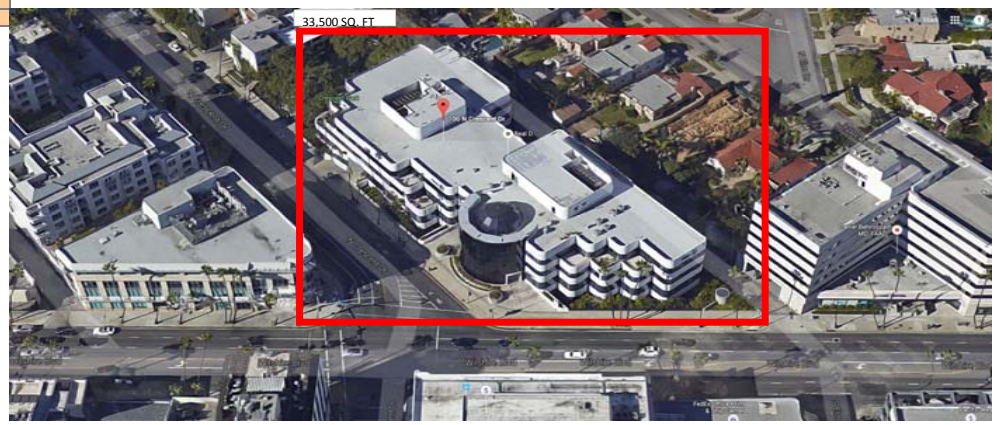
ADDRESS: 436 N. BEDFORD DRIVE

NO DISCHARGE INFORMATIOARGE INFORMATION FOUND
ONLY WATER QUALITY

WILLSHIRE BLVD. ANALYSIS

CI 6904

ADDRESS: 100 N. CRESCENT DRIVE



2010			
	January	15,265	
	February	13,396	
	March	14,048	
	April	14,409	
	May		10,034
	June		11,294
	July		10,063
	August		9,057
	September		7,595
	October		7,623
	November	9,118	
	December	8,543	
2011			
	January	9,016	
	February	7,482	
	March	8,051	
	April	7,623	
	May		8,432
	June		7,895
	July		8,113
	August		8,315
	September		9,132
	October		8,070
	November	8,293	
	December	8,529	
2012			
	January	8,438	
	February	7,291	
	March	8,233	
	April	8,104	
	May		8,416
	June		7,623
	July		8,295
	August		7,895
	September		7,836
	October		8,664
	November	8,103	
	December	0	
2013			
	January	10,969	
	February	9,513	
	March	10,861	
	April	11,230	
	May		10,077
	June		9,108
	July		8,533
	August		7,729
	September		7,532
	October		7,718
	November	7,712	
	December	8,782	
2014			
	January	7,318	
	February	6,484	
	March	7,552	
	April	11,324	
	May		13,749
	June		13,774
	July		14,630
	August		11,247
	September		11,808
	October		26,063
	November	21,504	
	December	40,209	
2015			
	January	N/A	
	February	N/A	
	March	N/A	

(2010-2015) Monthly Avg.

January	10,201
February	8,833
March	9,749
April	10,883
May	9,291
June	9,122
July	8,828
August	7,749
September	11,038
October	11,628
November	10,946
December	13,213

Overall Monthly Avg.

10,123

2012 v 2015 Normal v Dry Ratio

88% 1:1.4

Avg. per Year

2010	10,870
2011	8,246
2012	7,408
2013	9,147
2014	15,472
2015	8,433

GIS Algorithm

Water (Distance) = Value

10,123	1
5,062	0.5
2,531	0.3
1,265	0.1

Yearly Avg.

2010-2015 9,929

Distance Value (Miles)

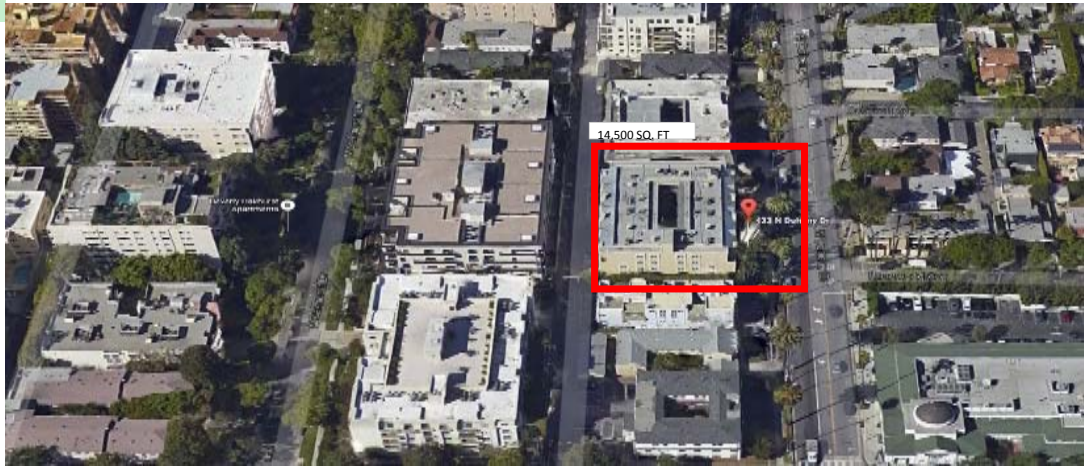
1/8	1
1/4	0.5
1/2	0.25
1	0.125

April	12,606	
May		5,040
June		5,040
July		3,334
August		2,251
September		22,326
October		N/A
November	N/A	
December	N/A	

CITY HALL ANALYSIS

CI 6975

ADDRESS: 433 NORTH DOHENY DRIVE



2011			
January	N/A		
February	N/A		
March	N/A		
April	N/A		
May		N/A	
June		N/A	
July		N/A	
August		N/A	
September		N/A	
October		N/A	
November	0		
December	0		
2012			
January	0		
February	0		
March	0		
April	0	0	
May		0	
June		0	
July		0	
August		0	
September		0	
October		0	
November	0		
December	200		
2013			
January	0		
February	0		
March	0		
April	0		
May		0	
June		0	
July		0	
August		0	
September		0	
October		N/A	
November	N/A		
December	N/A		
2014			
January	N/A		
February	N/A		
March	N/A		
April	0	0	
May		0	
June		0	
July		0	
August		0	
September		0	
October		0	
November	0		
December	0		
2015			
January	N/A		
February	N/A		
March	N/A		
April	N/A		
May		N/A	
June		N/A	
July		0	

(2011-2015) Monthly Avg.	
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0
October	0
November	0
December	67

Overall Monthly Avg.

6

2012 v 2015 Normal v Dry Ratio

Avg. per Year	
2011	0
2012	17
2013	0
2014	0
2015	0

GIS Algorithm

Water (Distance) = Value	
6	0.0006
3	
1.5	
0.75	

Yearly Avg.	
2011-2015	3

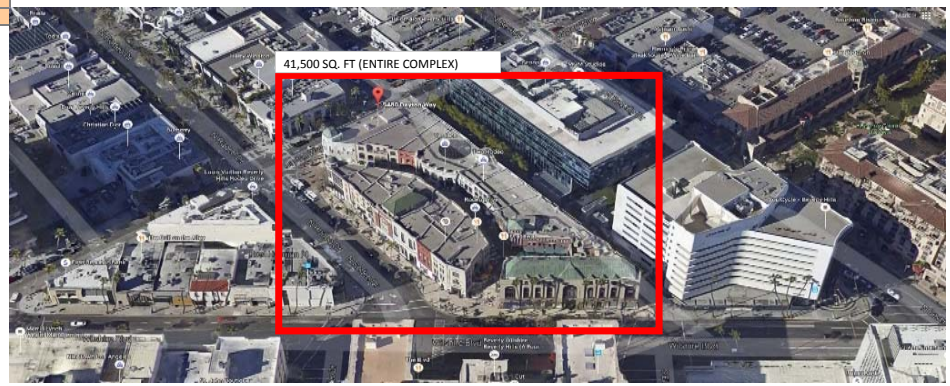
Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

August		0	
September		0	
October		N/A	
November	N/A		
December	N/A		

WILLSHIRE BLVD. ANALYSIS

CI 7002

ADDRESS: 9480 Dayton Way



2011			
January	1,374		* Based on Gallons Per Day - Multiplied by 30
February	627		* Based on Gallons Per Day - Multiplied by 30
March	552		* Based on Gallons Per Day - Multiplied by 30
April	504		* Based on Gallons Per Day - Multiplied by 30
May		0	* Based on Gallons Per Day - Multiplied by 30
June		1,539	* Based on Gallons Per Day - Multiplied by 30
July		1,695	* Based on Gallons Per Day - Multiplied by 30
August		1,182	* Based on Gallons Per Day - Multiplied by 30
September		14,220	* Based on Gallons Per Day - Multiplied by 30
October		31,980	* Based on Gallons Per Day - Multiplied by 30
November	25,920		* Based on Gallons Per Day - Multiplied by 30
December	2,700		* Based on Gallons Per Day - Multiplied by 30
2012			
January	450		* Based on Gallons Per Day - Multiplied by 30
February	501		* Based on Gallons Per Day - Multiplied by 30
March	81		* Based on Gallons Per Day - Multiplied by 30
April	900		* Based on Gallons Per Day - Multiplied by 30
May		29,850	* Based on Gallons Per Day - Multiplied by 30
June		219	* Based on Gallons Per Day - Multiplied by 30
July		420	* Based on Gallons Per Day - Multiplied by 30
August		660	* Based on Gallons Per Day - Multiplied by 30
September		945	* Based on Gallons Per Day - Multiplied by 30
October		1,020	* Based on Gallons Per Day - Multiplied by 30
November	1,167		* Based on Gallons Per Day - Multiplied by 30
December	1,365		* Based on Gallons Per Day - Multiplied by 30
2013			
January	603		* Based on Gallons Per Day - Multiplied by 30
February	1,110		* Based on Gallons Per Day - Multiplied by 30
March	927		* Based on Gallons Per Day - Multiplied by 30
April	831		* Based on Gallons Per Day - Multiplied by 30
May		291	* Based on Gallons Per Day - Multiplied by 30
June		366	* Based on Gallons Per Day - Multiplied by 30
July		867	* Based on Gallons Per Day - Multiplied by 30
August		381	* Based on Gallons Per Day - Multiplied by 30
September		456	* Based on Gallons Per Day - Multiplied by 30
October		405	* Based on Gallons Per Day - Multiplied by 30
November	489		* Based on Gallons Per Day - Multiplied by 30
December	684		* Based on Gallons Per Day - Multiplied by 30
2014			
January	423		* Based on Gallons Per Day - Multiplied by 30
February	258		* Based on Gallons Per Day - Multiplied by 30
March	1,035		* Based on Gallons Per Day - Multiplied by 30
April	867		* Based on Gallons Per Day - Multiplied by 30
May		486	* Based on Gallons Per Day - Multiplied by 30
June		159	* Based on Gallons Per Day - Multiplied by 30
July		0	* Based on Gallons Per Day - Multiplied by 30
August		0	* Based on Gallons Per Day - Multiplied by 30
September		0	* Based on Gallons Per Day - Multiplied by 30
October		0	* Based on Gallons Per Day - Multiplied by 30
November	0		* Based on Gallons Per Day - Multiplied by 30
December	0		* Based on Gallons Per Day - Multiplied by 30
2015			
January	N/A		* Based on Gallons Per Day - Multiplied by 30
February	N/A		* Based on Gallons Per Day - Multiplied by 30
March	N/A		* Based on Gallons Per Day - Multiplied by 30
April	N/A		* Based on Gallons Per Day - Multiplied by 30
May		N/A	* Based on Gallons Per Day - Multiplied by 30
June		N/A	* Based on Gallons Per Day - Multiplied by 30
July		0	* Based on Gallons Per Day - Multiplied by 30
August		0	* Based on Gallons Per Day - Multiplied by 30
September		0	* Based on Gallons Per Day - Multiplied by 30
October		N/A	* Based on Gallons Per Day - Multiplied by 30
November	N/A		* Based on Gallons Per Day - Multiplied by 30

(2011-2015) Monthly Avg.	
January	713
February	624
March	649
April	776
May	7,657
June	571
July	596
August	445
September	3,124
October	8,351
November	6,894
December	1,187

Overall Monthly Avg.

2,632

2012 v 2015 Normal v Dry Ratio

Avg. per Year	
2011	6,858
2012	3,132
2013	618
2014	269
2015	0

GIS Algorithm

Water (Distance) = Value	
2,632	0.3
1,316	0.1
658	0.07
329	0.03

Yearly Avg.	
2011-2015	2,175

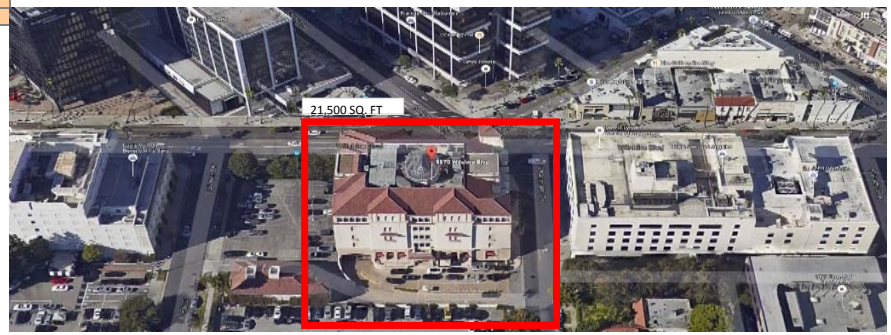
Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

December	N/A		* Based on Gallons Per Day - Multiplied by 30

WILLSHIRE BLVD. ANALYSIS

CI 7073

ADDRESS: 9570 Wilshire Blvd



2011			
January	N/A		
February	N/A		
March	N/A		
April	N/A		
May		N/A	
June		N/A	
July		N/A	
August		N/A	
September		N/A	
October		794,880	* Based on Gallons Per Day - Multiplied by 30
November	788,400		* Based on Gallons Per Day - Multiplied by 30
December	820,800		* Based on Gallons Per Day - Multiplied by 30
2012			
January	794,430		* Based on Gallons Per Day - Multiplied by 30
February	759,780		* Based on Gallons Per Day - Multiplied by 30
March	713,010		* Based on Gallons Per Day - Multiplied by 30
April	731,700		* Based on Gallons Per Day - Multiplied by 30
May		709,380	* Based on Gallons Per Day - Multiplied by 30
June		663,180	* Based on Gallons Per Day - Multiplied by 30
July		619,380	* Based on Gallons Per Day - Multiplied by 30
August		580,410	* Based on Gallons Per Day - Multiplied by 30
September		592,800	* Based on Gallons Per Day - Multiplied by 30
October		574,920	* Based on Gallons Per Day - Multiplied by 30
November	496,980		* Based on Gallons Per Day - Multiplied by 30
December	482,280		* Based on Gallons Per Day - Multiplied by 30
2013			
January	282		* Based on Gallons Per Day - Multiplied by 30
February	387		* Based on Gallons Per Day - Multiplied by 30
March	336		* Based on Gallons Per Day - Multiplied by 30
April	463,770		* Based on Gallons Per Day - Multiplied by 30
May		456,000	* Based on Gallons Per Day - Multiplied by 30
June		446,640	* Based on Gallons Per Day - Multiplied by 30
July		434,160	* Based on Gallons Per Day - Multiplied by 30
August		405,270	* Based on Gallons Per Day - Multiplied by 30
September		455,820	* Based on Gallons Per Day - Multiplied by 30
October		440,310	* Based on Gallons Per Day - Multiplied by 30
November	410,340		* Based on Gallons Per Day - Multiplied by 30
December	400,230		* Based on Gallons Per Day - Multiplied by 30
2014			
January	392,700		* Based on Gallons Per Day - Multiplied by 30
February	353,700		* Based on Gallons Per Day - Multiplied by 30
March	456,030		* Based on Gallons Per Day - Multiplied by 30
April	362,610		* Based on Gallons Per Day - Multiplied by 30
May		342,150	* Based on Gallons Per Day - Multiplied by 30
June		376,290	* Based on Gallons Per Day - Multiplied by 30
July		376,290	* Based on Gallons Per Day - Multiplied by 30
August		370,590	* Based on Gallons Per Day - Multiplied by 30
September		371,100	* Based on Gallons Per Day - Multiplied by 30
October		362,700	* Based on Gallons Per Day - Multiplied by 30
November	371,940		* Based on Gallons Per Day - Multiplied by 30
December	391,200		* Based on Gallons Per Day - Multiplied by 30
2015			
January	401,610		* Based on Gallons Per Day - Multiplied by 30
February	394,110		* Based on Gallons Per Day - Multiplied by 30
March	399,330		* Based on Gallons Per Day - Multiplied by 30
April	399,720		* Based on Gallons Per Day - Multiplied by 30
May		387,420	* Based on Gallons Per Day - Multiplied by 30
June		379,590	* Based on Gallons Per Day - Multiplied by 30
July		366,120	* Based on Gallons Per Day - Multiplied by 30
August		359,190	* Based on Gallons Per Day - Multiplied by 30
September		374,400	* Based on Gallons Per Day - Multiplied by 30
October		N/A	
November	N/A		
December	N/A		

(2011-2015) Monthly Avg.	
January	397,256
February	376,994
March	392,177
April	489,450
May	473,738
June	466,425
July	448,988
August	428,865
September	448,530
October	543,203
November	516,915
December	523,628

Overall Monthly Avg.

458,847

Avg. per Year	
2011	801,360
2012	643,188
2013	326,129
2014	377,275
2015	384,610

GIS Algorithm

Water (Distance) = Value	
458,847	46
229,424	23
114,712	11
57,356	6

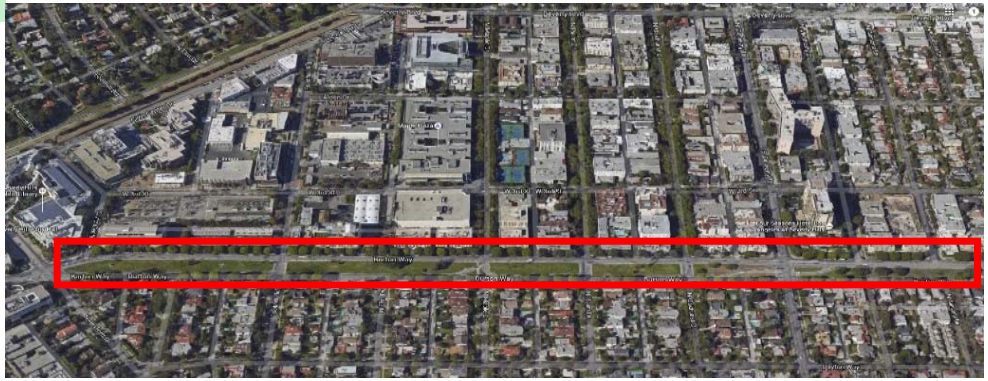
Yearly Avg.	
2011-2015	506,512

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

CITY HALL ANALYSIS

CI 7400

ADDRESS: Burton Way Median by Foothill Road



2011			
	January	N/A	
	February	N/A	
	March	N/A	
	April	N/A	
	May		N/A
	June		N/A
	July		1,496
	August		46,376
	September		4,862
	October		108,086
	November	24,684	
	December	18,326	
2012			
	January	0	
	February	0	
	March	0	
	April	1,420,000	
	May		0
	June		0
	July		N/A
	August		N/A
	September		N/A
	October		16,380
	November	2,618	
	December	10,098	
2013			
	January	1,986,688	
	February	20,944	
	March	0	
	April	0	
	May		10,439
	June		8,143
	July		150,549
	August		183,260
	September		301,870
	October		4,810
	November	23,936	
	December	279,004	
2014			
	January	698	
	February	698	
	March	0	
	April	0	
	May		0
	June		0
	July		457,028
	August		11,220
	September		377,740
	October		80,784
	November	132,396	
	December	0	
2015			
	January	0	
	February	0	
	March	0	
	April	209,440	
	May		0
	June		0
	July		89,012
	August		4,116,992
	September		0
	October		N/A
	November	N/A	
	December	N/A	

(2011-2015) Monthly Avg.	
January	496,847
February	5,411
March	0
April	407,360
May	2,610
June	2,036
July	174,521
August	1,089,462
September	171,118
October	52,515
November	45,909
December	76,857

Overall Monthly Avg.

210,387

Avg. per Year	
2011	33,972
2012	161,011
2013	247,470
2014	88,380
2015	490,605

GIS Algorithm

Water (Distance) = Value	
210,387	21
105,194	11
52,597	5
26,298	3

Yearly Avg.	
2011-2015	204,288

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

SAN VIVENTE BLVD. ANALYSIS

CI 7573

ADDRESS: 8501 WILSHIRE BLVD

NO DISCHARGE INFORMATIOARGE INFORMATION FOUND

CITY HALL ANALYSIS

CI 7738

ADDRESS: 331 N. MAPLE DRIVE

2012			
	January	8,767,513	
	February	3,756,062	
	March	6,707,869	
	April	8,006,769	
	May		9,398,405
	June		13,144,271
	July		10,945,026
	August		16,688,094
	September		25,055,756
	October		27,636,038
	November	27,237,972	
	December	34,361,550	
2013			
	January	956,806	
	February	945,204	
	March	938,457	
	April	982,710	
	May		923,968
	June		915,437
	July		378,314
	August		456,735
	September		1,029,317
	October		1,089,155
	November	1,464,823	
	December	1,108,663	
2014			
	January	785,484	
	February	972,812	
	March	956,774	
	April	949,649	
	May		949,040
	June		937,672
	July		929,891
	August		926,703
	September		921,222
	October		108,722
	November	64,444	
	December	86,640	
2015			
	January	68,865	
	February	51,872	
	March	62,945	
	April	1,787,531	
	May		603,283
	June		561,967
	July		200,615
	August		145,503
	September		143,557
	October		N/A
	November	N/A	
	December	N/A	

(2012-2015) Monthly Avg.	
January	2,644,667
February	1,431,488
March	2,166,511
April	2,931,665
May	2,968,674
June	3,889,837
July	3,113,462
August	4,554,259
September	6,787,463
October	9,611,305
November	9,589,080
December	11,852,284

Overall Monthly Avg.

5,128,391

Avg. per Year	
2012	15,975,444
2013	932,466
2014	715,754
2015	402,904

GIS Algorithm

Water (Distance) = Value

5,128,391	513
2,564,195	256
1,282,098	128
641,049	64

(2012 v 2015) Normal v Dry

Yearly Avg.

2012-2015	4,506,642

Distance Value (Miles)

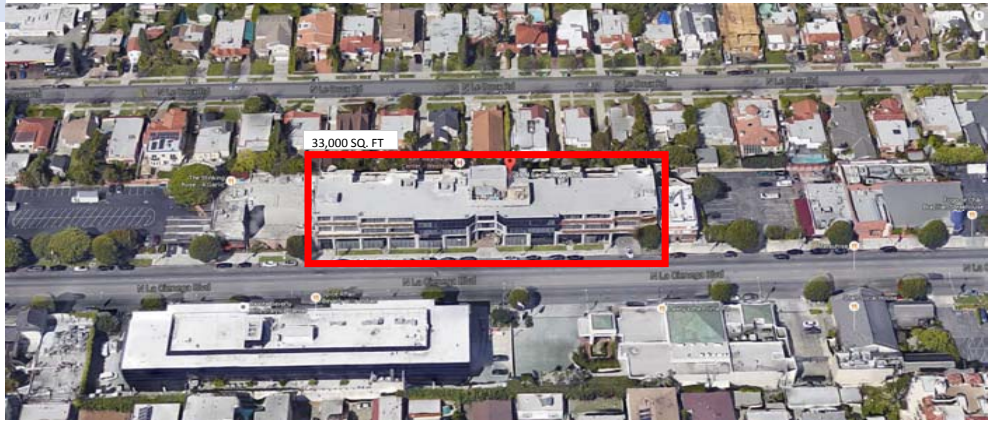
1/8	1
1/4	0.5
1/2	0.25
1	0.125

NOAA Data for 2012 v 2015

SAN VIVENTE BLVD. ANALYSIS

CI 7938

ADDRESS: 99 N. LA CIENEGA BLVD.



2010		
January	817,200	
February	1,849,901	
March	542,944	
April	1,306,523	
May		1,151,603
June		1,169,964
July		1,039,412
August		636,820
September		1,456,195
October		837,096
November	878,482	
December	1,248,494	
2011		
January	944,851	
February	944,755	
March	1,214,784	
April	911,187	
May		945,034
June		1,147,640
July		1,012,723
August		1,114,094
September		1,147,953
October		1,012,812
November	209,745	
December	309,177	
2012		
January	399,898	
February	210,309	
March	463,448	
April	886,510	
May		338,530
June		864,156
July		229,039
August		67,999
September		178,352
October		341,327
November	122,651	
December	269,616	
2013		
January	534,373	
February	36,584	
March	36,098	
April	6,490	
May		89,144
June		549,405
July		777,756
August		249,536
September		N/A
October		12,796
November	79,662	
December	140,161	
2014		
January	N/A	
February	3,900	
March	11,500	
April	16,300	
May		23,400
June		27,800
July		33,300
August		39,900
September		43,600
October		53,600
November	60,900	
December	69,700	
2015		
January	79,500	
February	90,100	
March	100,400	

(2010-2015) Monthly Avg.	
January	555,164
February	522,592
March	394,862
April	540,543
May	458,709
June	668,901
July	581,845
August	424,519
September	661,892
October	451,526
November	270,288
December	407,430
Overall Monthly Avg.	
	494,856

Avg. per Year	
2010	1,077,886
2011	909,563
2012	364,320
2013	228,364
2014	34,900
2015	240,689

GIS Algorithm

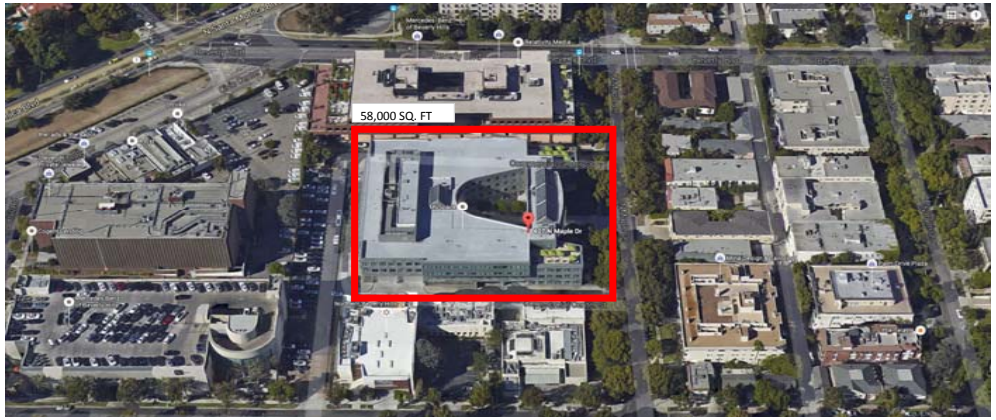
Water (Distance) = Value	
494,856	49
247,428	25
123,714	12
61,857	6

Yearly Avg.	
2010-2015	475,954

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

April	116,250		
May		204,542	
June		254,442	
July		398,842	
August		438,762	
September		483,362	
October		N/A	
November	N/A		
December	N/A		

CITY HALL ANALYSIS
CI 8180
ADDRESS: 407 N. MAPLE DRIVE



2007			
January	N/A		
February	N/A		
March	N/A		
April	N/A		
May		N/A	
June		N/A	
July		N/A	
August		224,348	
September		1,740,973	
October		N/A	
November	N/A		
December	N/A		
2008			
January	353,507		
February	293,530		
March	326,600		
April	N/A		
May		353,667	
June		417,667	
July		1,969	
August		1,294	
September		1,103	
October		9,934,754	
November	12,760,576		
December	9,951,000		
2009			
January	13,390,000		
February	19,764,000		
March	7,380,000		
April	9,990,000		
May		10,899,900	
June		12,730,100	
July		11,314,560	
August		12,679,000	
September		5,296,956	
October		12,159,105	
November	10,240,000		*Recalculated from Table
December	6,269,000		*Recalculated from Table
2010			
January	8,981,000		
February	11,060,000		
March	6,530,000		
April	11,920,000		
May		4,972,000	
June		10,754,000	
July		12,755,000	
August		14,251,000	
September		7,300,000	
October		9,743,000	
November	12,273,000		
December	8,610,000		
2011			
January	N/A		
February	N/A		
March	N/A		
April	N/A		
May		N/A	
June		N/A	
July		14,130,862	

(2007 -2015) Monthly Avg.	
January	9,511,607
February	10,083,460
March	7,203,034
April	9,909,645
May	7,229,017
June	8,440,202
July	9,407,385
August	9,686,571
September	6,185,649
October	9,515,049
November	10,093,844
December	8,900,157
Overall Monthly Avg.	8,847,135

Avg. per Year	
2007	982,661
2008	3,126,879
2009	11,009,385
2010	9,929,083
2011	11,383,001
2012	11,117,492
2013	10,243,695
2014	8,315,355
2015	8,004,556

Yearly Avg.	
2007-2015	8,234,678

GIS Algorithm

Water (Distance) = Value		**Distance Value**	
8,847,135	884	1/8	1
4,423,567	442	1/4	0.5
2,211,783	221	1/2	0.25
1,105,891	110	1	0.125

	August		10,495,501	
	September		8,737,941	
	October		13,057,379	
	November	11,185,830		
	December	10,690,490		
2012				
	January	17,205,510		
	February	7,417,499		
	March	13,384,900		
	April	9,095,560		
	May		8,966,622	
	June		14,397,500	
	July		11,495,055	
	August		21,691,930	
	September		9,226,000	
	October		5,456,790	* Based on Gallons Per Day - Multiplied by 30
	November	4,669,470		* Based on Gallons Per Day - Multiplied by 30
	December	10,403,070		* Based on Gallons Per Day - Multiplied by 30
2013				
	January	9,081,103		
	February	14,598,200		
	March	7,713,100		
	April	12,605,110		
	May		7,146,290	
	June		12,388,746	
	July		8,924,625	
	August		10,039,550	
	September		10,950,650	
	October		9,115,400	
	November	11,478,230		
	December	8,883,340		
2014				
	January	7,756,130		
	February	9,908,990		
	March	7,483,638		
	April	8,403,205		
	May		9,371,637	
	June		10,972,005	
	July		7,059,005	
	August		10,116,512	
	September		6,030,217	
	October		7,138,916	
	November	8,049,800		
	December	7,494,200		
2015				
	January	9,814,000		
	February	7,542,000		
	March	7,603,000		
	April	7,444,000		
	May		8,893,000	
	June		7,100,000	
	July		9,578,000	
	August		7,680,000	
	September		6,387,000	
	October	N/A		
	November	N/A		
	December	N/A		

WILLSHIRE BLVD. ANALYSIS

CI 8355

ADDRESS: 9601 WILSHIRE BOULEVARD

2011			
January	N/A		
February	N/A		
March	N/A		
April	N/A		
May		N/A	
June		N/A	
July		14,130,862	
August		10,495,501	
September		8,737,941	
October		13,057,379	
November	11,185,830		
December	10,690,490		
2012			
January	17,205,510		
February	7,417,499		
March	13,384,900		
April	9,095,568		
May		8,966,622	
June		14,397,500	
July		11,495,055	
August		21,691,930	
September		9,226,000	
October		5,456,790	* Based on Gallons Per Day - Multiplied by 30
November	4,669,470		* Based on Gallons Per Day - Multiplied by 30
December	10,385,070		* Based on Gallons Per Day - Multiplied by 30
2013			
January	9,081,103		
February	14,598,200		
March	7,713,100		
April	12,605,110		
May		7,146,290	
June		12,388,746	
July		8,924,625	
August		10,039,550	
September		10,950,650	
October		9,115,400	
November	11,478,230		
December	8,883,340		
2014			
January	7,756,130		
February	9,908,990		
March	7,483,638		
April	8,403,205		
May		9,371,637	
June		10,972,005	
July		7,059,005	
August		10,116,512	
September		6,030,217	
October		7,138,916	
November	8,049,800		
December	7,494,200		
2015			
January	9,814,000		
February	7,542,000		
March	7,603,000		
April	7,444,000		
May		8,893,000	
June		7,100,000	
July		9,578,000	
August		7,680,000	
September		6,387,000	
October		N/A	
November	N/A		
December	N/A		

(2011 -2015) Monthly Avg.	
January	10,964,186
February	9,866,672
March	9,046,160
April	9,386,971
May	8,594,387
June	11,214,563
July	10,237,509
August	12,004,699
September	8,266,362
October	8,692,121
November	8,845,833
December	9,363,275

Overall Monthly Avg.

9,706,895

Avg. per Year	
2011	11,383,001
2012	11,115,993
2013	10,243,695
2014	8,315,355
2015	8,004,556

GIS Algorithm

Water (Distance) = Value	
9,706,895	970
4,853,448	485
2,426,724	243
1,213,362	121

Yearly Avg.	
2011-2015	9,812,520

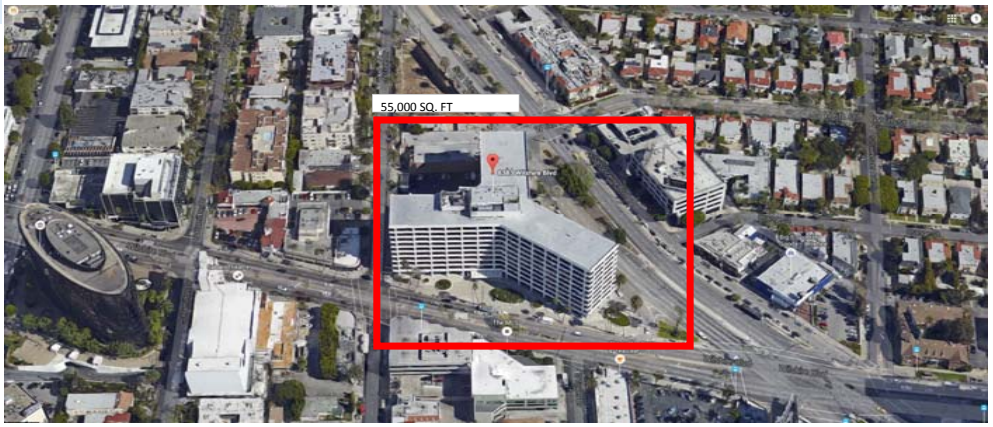
Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

SAN VIVENTE BLVD. ANALYSIS

CI 8463

ADDRESS: 8383 WILSHIRE BOULEVARD

2011				
	January	21,950		
	February	102,900		
	March	62,900		
	April	21,950		
	May		102,900	
	June		62,900	
	July		3,780	
	August		3,400	
	September		3,050	
	October		3,500	
	November	3,210		
	December	3,690		
2012				
	January	91,900		
	February	130,600		
	March	92,500		
	April	81,900		
	May		140,300	
	June		87,300	
	July		84,000	
	August		106,200	
	September		92,300	
	October		100,400	
	November	123,600		
	December	83,700		
2013				
	January	100,983		* Based on Quarterly Average - Divided by 3
	February	100,983		* Based on Quarterly Average - Divided by 3
	March	100,983		* Based on Quarterly Average - Divided by 3
	April	84,600		* Based on Quarterly Average - Divided by 3
	May		84,600	* Based on Quarterly Average - Divided by 3
	June		84,600	* Based on Quarterly Average - Divided by 3
	July		89,500	* Based on Quarterly Average - Divided by 3
	August		89,500	* Based on Quarterly Average - Divided by 3
	September		89,500	* Based on Quarterly Average - Divided by 3
	October		83,067	* Based on Quarterly Average - Divided by 3
	November	83,067		* Based on Quarterly Average - Divided by 3
	December	83,067		* Based on Quarterly Average - Divided by 3
2014				
	January	70,600		
	February	60,700		
	March	89,400		
	April	62,000		
	May		53,200	
	June		58,900	
	July		35,600	
	August		42,400	
	September		17,800	
	October		16,600	
	November	31,300		
	December	21,400		
2015				
	January	26,900		
	February	37,100		
	March	42,400		
	April	25,900		
	May		12,000	
	June		23,500	
	July		28,600	
	August		23,800	
	September		26,300	
	October		41,900	
	November	30,400		
	December	40,220		



(2011-2015) Monthly Avg.	
January	62,467
February	86,457
March	77,637
April	55,270
May	78,600
June	63,440
July	48,296
August	53,060
September	45,790
October	49,093
November	54,315
December	46,415

Avg. per Year	
2011	33,011
2012	101,225
2013	89,538
2014	46,658
2015	29,918

Yearly Avg.	
2011-2015	60,070

GIS Algorithm

Water (Distance) = Value	
60,070	6
30,035	3
15,018	2
7,509	1

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

Overall Monthly Avg.

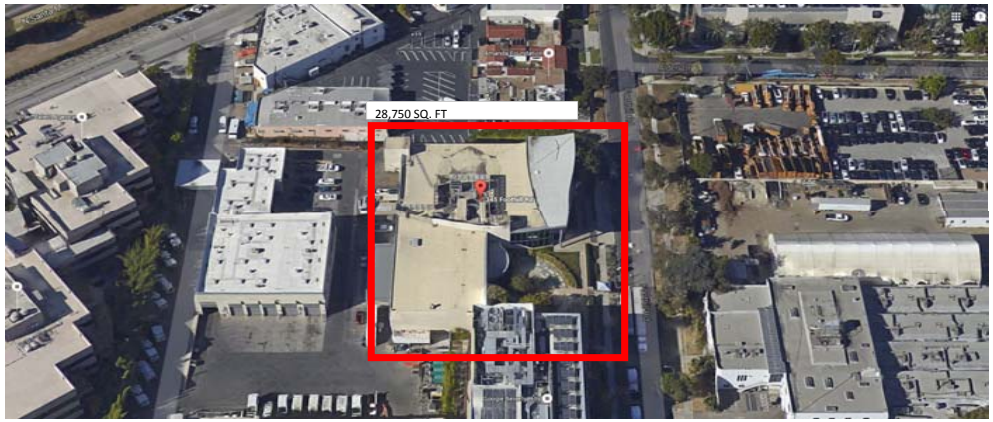
60,070

CITY HALL ANALYSIS

CI 8509

ADDRESS: 345 FOOTHILL ROAD

2011				
	January	0		
	February	N/A		
	March	0		
	April	0		
	May		0	
	June		0	
	July		0	
	August		0	
	September		0	
	October		0	
	November	0		
	December	N/A		
2012				
	January	0		
	February	0		
	March	0		
	April	0		
	May		0	
	June		0	
	July		0	
	August		0	
	September		0	
	October		0	
	November	0		
	December	0		
2013				
	January	871,950		* Based on Gallons Per Day - Multiplied by 30
	February	71,280		* Based on Gallons Per Day - Multiplied by 30
	March	0		
	April	0		
	May		1,350,000	* Based on Gallons Per Day - Multiplied by 30
	June		120,660	* Based on Gallons Per Day - Multiplied by 30
	July		0	
	August		1,080,000	* Based on Gallons Per Day - Multiplied by 30
	September		564,750	* Based on Gallons Per Day - Multiplied by 30
	October		1,544,130	* Based on Gallons Per Day - Multiplied by 30
	November	205,650		* Based on Gallons Per Day - Multiplied by 30
	December	164,520		* Based on Gallons Per Day - Multiplied by 30
2014				
				*FOR ALL NUMBERS - "The city's RO plant did not discharge to the SD however potable treated GW was discharge to the SD when the plant's clear well overflowed"
	January	167,780		
	February	42,150		
	March	102,170		
	April	5,830		
	May		76,630	
	June		23,655	
	July		0	
	August		0	
	September		27,420	
	October		1,998,000	*Only chart described as Gallons / Day (x 30)
	November	999,000		*Only chart described as Gallons / Day (x 30)
	December	2,331,000		*Only chart described as Gallons / Day (x 30)
2015				
	January	25,650		
	February	0		
	March	0		
	April	0		
	May		0	
	June		0	
	July		0	
	August		0	
	September		0	
	October		N/A	
	November	N/A		
	December	N/A		



(2011-2015) Monthly Avg.	
January	213,076
February	28,358
March	20,434
April	1,166
May	285,326
June	28,863
July	0
August	216,000
September	118,434
October	885,533
November	301,163
December	831,840

Overall Monthly Average

244,183

Avg. per Year	
2011	0
2012	0
2013	497,745
2014	481,136
2015	2,850

Yearly Avg.	
2011-2015	196,346

GIS Algorithm

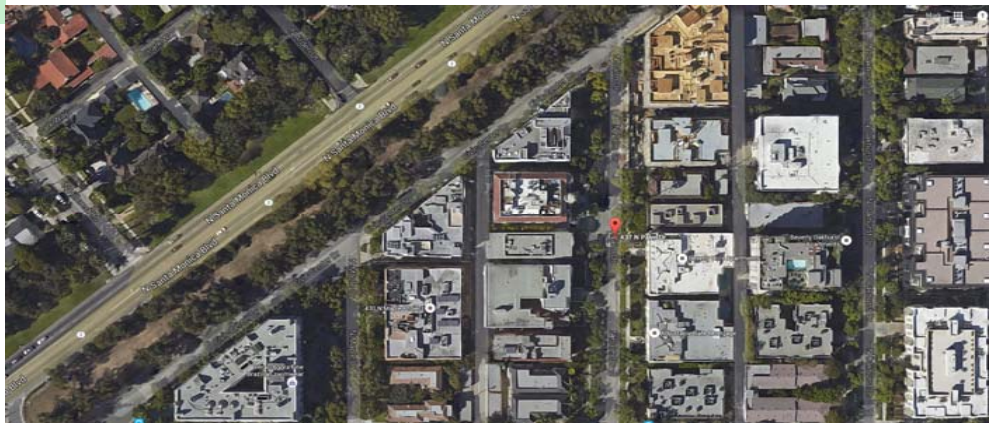
Water (Distance) = Value	
244,183	24
122,092	12
61,046	6
30,523	3

Distance Value	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

CITY HALL ANALYSIS

CI 8941

ADDRESS: 437 N. PALM DRIVE



2007			
	January	982,080	
	February	665,280	
	March	602,640	
	April	475,200	
	May		424,080
	June		367,200
	July		290,160
	August		156,240
	September		43,200
	October		N/A
	November	N/A	
	December	0	
2008			
	January	0	
	February	0	
	March	0	
	April	0	
	May		0
	June		0
	July		0
	August		0
	September		0
	October		N/A
	November	N/A	
	December	N/A	
2009			
	January	0	
	February	0	
	March	0	
	April	0	
	May		0
	June		0
	July		N/A
	August		N/A
	September		N/A
	October		0
	November	0	
	December	0	
2010			
	January	N/A	
	February	N/A	
	March	N/A	
	April	N/A	
	May		N/A
	June		N/A
	July		N/A
	August		N/A
	September		N/A
	October		0
	November	0	
	December	0	
2011			
	January	N/A	
	February	N/A	
	March	N/A	
	April	N/A	
	May		N/A
	June		N/A
	July		0
	August		0
	September		0
	October		0
	November	0	
	December	0	
2012			
	January	N/A	
	February	N/A	
	March	N/A	

(2011-2015) Monthly Avg.	
January	163,680
February	110,880
March	100,440
April	67,886
May	60,583
June	52,457
July	58,032
August	31,248
September	8,640
October	0
November	0
December	0
Overall Monthly Average	
	54,487

Avg. per Year	
2007	400,608
2008	0
2009	0
2010	0
2011	0
2012	0
2013	0
2014	0
2015	0

Yearly Avg.	
2007-2015	44,512

GIS Algorithm			
Water (Distance) = Value		**Distance Value**	
54,487	5	1/8	1
27,243	2	1/4	0.5
13,621	1	1/2	0.25
6,810	0.6	1	0.125

	April	0	
	May		0
	June		0
	July		N/A
	August		N/A
	September		N/A
	October		0
	November	0	
	December	0	
2013			
	January	0	
	February	0	
	March	0	
	April	0	
	May		0
	June		0
	July		0
	August		0
	September		0
	October		0
	November	0	
	December	0	
2014			
	January	0	
	February	0	
	March	0	
	April	0	
	May		0
	June		0
	July		0
	August		0
	September		0
	October		0
	November	0	
	December	0	
2015			
	January	0	
	February	0	
	March	0	
	April	0	
	May		0
	June		0
	July		N/A
	August		N/A
	September		N/A
	October		N/A
	November	N/A	
	December	N/A	

SAN VIVENTE BLVD. ANALYSIS

CI 9102

ADDRESS: 225 S. HAMILTON DRIVE

2006

January	N/A	
February	N/A	
March	N/A	
April	N/A	
May		N/A
June		N/A
July		N/A
August		N/A
September		55,381
October		73,200
November	49,400	
December	37,700	

(2006) Monthly Avg.	
January	N/A
February	N/A
March	N/A
April	N/A
May	N/A
June	N/A
July	N/A
August	N/A
September	55,381
October	73,200
November	49,400
December	37,700

Avg. per Year	
2006	53,920

Yearly Avg.
53,920

GIS Algorithm

Water (Distance) = Value	
53,920	5
26,960	3
13,480	1
6,740	1

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

SAN VIVENTE BLVD. ANALYSIS

CI 9126

ADDRESS: 8536 WILSHIRE BOULEVARD

2011

January	326,220		* Based on Gallons Per Day - Multiplied by 30
February	389,730		* Based on Gallons Per Day - Multiplied by 30
March	345,450		* Based on Gallons Per Day - Multiplied by 30
April	405,450		* Based on Gallons Per Day - Multiplied by 30
May		161,430	* Based on Gallons Per Day - Multiplied by 30
June		335,400	* Based on Gallons Per Day - Multiplied by 30
July		257,700	* Based on Gallons Per Day - Multiplied by 30
August		263,640	* Based on Gallons Per Day - Multiplied by 30
September		239,220	* Based on Gallons Per Day - Multiplied by 30
October		215,910	* Based on Gallons Per Day - Multiplied by 30
November	222,570		* Based on Gallons Per Day - Multiplied by 30
December	226,980		* Based on Gallons Per Day - Multiplied by 30

2012

January	326,220		* Based on Gallons Per Day - Multiplied by 30
February	247,620		* Based on Gallons Per Day - Multiplied by 30
March	241,380		* Based on Gallons Per Day - Multiplied by 30
April	11,460		* Based on Gallons Per Day - Multiplied by 30
May		77,130	* Based on Gallons Per Day - Multiplied by 30
June		101,490	* Based on Gallons Per Day - Multiplied by 30
July		97,110	* Based on Gallons Per Day - Multiplied by 30
August		99,150	* Based on Gallons Per Day - Multiplied by 30
September		96,210	* Based on Gallons Per Day - Multiplied by 30
October		92,460	* Based on Gallons Per Day - Multiplied by 30
November	84,570		* Based on Gallons Per Day - Multiplied by 30
December	91,140		* Based on Gallons Per Day - Multiplied by 30

2013

January	299,032		
February	213,392		
March	29,720		
April	N/A		
May		213,240	* Based on Gallons Per Day - Multiplied by 30
June		33,750	* Based on Gallons Per Day - Multiplied by 30
July		19,770	* Based on Gallons Per Day - Multiplied by 30
August		74,670	* Based on Gallons Per Day - Multiplied by 30
September		183,660	* Based on Gallons Per Day - Multiplied by 30
October		N/A	
November	17,152		
December	17,145		

(2011-2015) Monthly Avg.	
January	258,745
February	261,877
March	232,150
April	275,998
May	242,130
June	261,738
July	262,847
August	289,949
September	322,293
October	133,665
November	111,368
December	137,433

Avg. per Year	
2011	282,475
2012	130,495
2013	110,153
2014	85,918
2015	674,517

Yearly Avg.	
2011-2015	256,712

GIS Algorithm

Water (Distance) = Value	
232,516	23
116,258	12
58,129	6
29,065	3

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

Overall Monthly Avg.

232,516

2014			
	January	42,752	
	February	51,873	
	March	59,768	
	April	63,409	
	May		69,497
	June		74,863
	July		78,423
	August		80,510
	September		81,651
	October		92,626
	November	121,180	
	December	214,467	
2015			
	January	299,501	
	February	406,771	
	March	484,434	
	April	623,674	
	May		689,352
	June		763,188
	July		861,231
	August		931,775
	September		1,010,725
	October		N/A
	November	N/A	
	December	N/A	

WILLSHIRE BLVD. ANALYSIS

CI 9230

ADDRESS: 150 S. EL CAMINO DRIVE

2011			
	January	N/A	
	February	N/A	
	March	N/A	
	April	N/A	
	May		N/A
	June		N/A
	July		N/A
	August		N/A
	September		N/A
	October		716,774 *Sum of both pumps divided by 2
	November	716,774	*Sum of both pumps divided by 2
	December	N/A	
2012			
	January	661,591	
	February	661,591	
	March	1,243,097	
	April	573,851	
	May		573,851
	June		263,205
	July		246,849
	August		246,849
	September		246,849
	October		246,849
	November	229,837	
	December	392,376	
2013			
	January	370,144	
	February	370,144	
	March	416,587	
	April	406,855	
	May		406,855
	June		647,587
	July		202,970
	August		202,970
	September		258,344
	October		314,118
	November	314,118	
	December	286,771	
2014			
	January	275,897	
	February	275,897	

(2011-2015) Monthly Avg.	
January	371,964
February	371,964
March	546,800
April	297,835
May	297,835
June	299,253
July	199,672
August	199,672
September	202,981
October	380,456
November	360,239
December	286,457
Overall Monthly Avg.	
	317,927

Avg. per Year	
2011	716,774
2012	465,566
2013	349,789
2014	252,303
2015	80,958

GIS Algorithm

Water (Distance) = Value	
317,927	32
158,964	16
79,482	8
39,741	4

Yearly Avg.	
2011-2015	373,078

Distance Value (Miles)	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

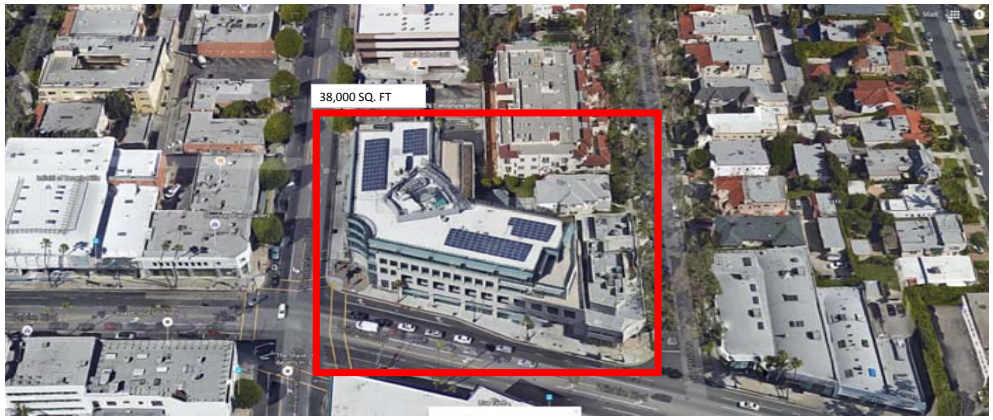
March	347,291		
April	210,633		
May		210,633	
June		286,221	
July		286,221	
August		286,221	
September		244,084	
October		244,084	
November	180,225		
December	180,225		
2015			
January	180,225		
February	180,225		
March	180,225		
April	0		
May		0	
June		0	
July		62,648	
August		62,648	
September		62,648	
October		N/A	
November	N/A		
December	N/A		

SAN VICENTE BLVD. ANALYSIS

CI 9254

ADDRESS: 8767 WILSHIRE BOULEVARD

ADDED IN GIS BY SDE



2010			
January	N/A		
February	N/A		
March	N/A		
April	N/A		
May		N/A	
June		N/A	
July		1,003,560	* Based on Gallons Per Day - Multiplied by 30
August		961,170	* Based on Gallons Per Day - Multiplied by 30
September		941,940	* Based on Gallons Per Day - Multiplied by 30
October		945,690	* Based on Gallons Per Day - Multiplied by 30
November	933,660		* Based on Gallons Per Day - Multiplied by 30
December	1,463,040		* Based on Gallons Per Day - Multiplied by 30
2011			
January	1,007,910		* Based on Gallons Per Day - Multiplied by 30
February	2,010,780		* Based on Gallons Per Day - Multiplied by 30
March	N/A		
April	1,039,740		* Based on Gallons Per Day - Multiplied by 30
May		1,840,320	* Based on Gallons Per Day - Multiplied by 30
June		1,515,570	* Based on Gallons Per Day - Multiplied by 30
July		1,741,860	* Based on Gallons Per Day - Multiplied by 30
August		1,820,340	* Based on Gallons Per Day - Multiplied by 30
September		1,794,300	* Based on Gallons Per Day - Multiplied by 30
October		1,792,440	* Based on Gallons Per Day - Multiplied by 30
November	1,778,580		* Based on Gallons Per Day - Multiplied by 30
December	1,776,720		* Based on Gallons Per Day - Multiplied by 30
2012			
January	1,801,080		* Based on Gallons Per Day - Multiplied by 30
February	1,785,030		* Based on Gallons Per Day - Multiplied by 30
March	1,768,020		* Based on Gallons Per Day - Multiplied by 30
April	1,775,520		* Based on Gallons Per Day - Multiplied by 30
May		1,804,260	* Based on Gallons Per Day - Multiplied by 30
June		1,738,890	* Based on Gallons Per Day - Multiplied by 30
July		1,114,980	* Based on Gallons Per Day - Multiplied by 30
August		1,261,440	* Based on Gallons Per Day - Multiplied by 30
September		1,662,000	* Based on Gallons Per Day - Multiplied by 30
October		1,413,900	* Based on Gallons Per Day - Multiplied by 30
November	272,400		* Based on Gallons Per Day - Multiplied by 30
December	21,900		* Based on Gallons Per Day - Multiplied by 30
2013			
January	238,422		
February	176,484		
March	163,778		
April	129,732		
May		118,498	

(2010-2015) Monthly Avg.	
January	1,897,353
February	1,877,173
March	2,128,387
April	2,055,670
May	2,402,158
June	2,642,845
July	2,475,885
August	2,649,482
September	2,846,867
October	962,989
November	830,834
December	1,295,295

Overall Monthly Avg.

2,005,411

Avg. per Year	
2010	1,041,510
2011	1,647,142
2012	1,368,285
2013	171,314
2014	519,921
2015	8,412,138

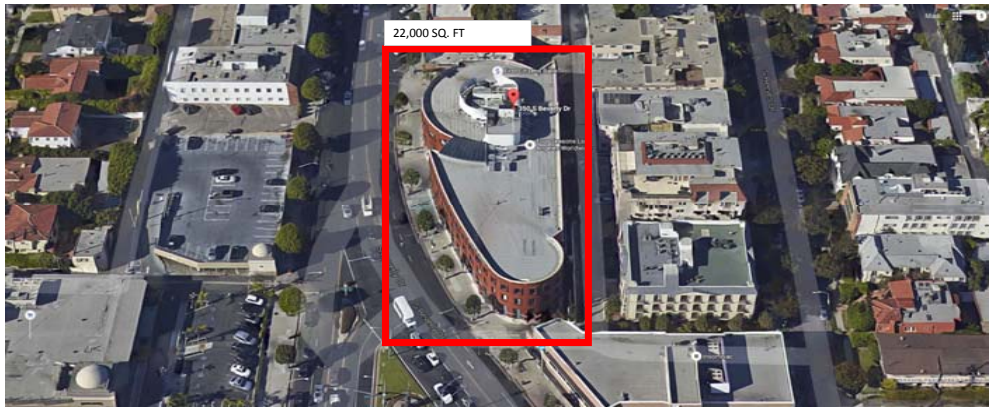
GIS Algorithm

Water (Distance) = Value		**Distance Value (Miles)**	
2,005,411	200	1/8	1
1,002,706	100	1/4	0.5
501,353	50	1/2	0.25
250,676	25	1	0.125

June		180,885
July		184,950
August		154,190
September		132,262
October		274,244
November	160,118	
December	142,205	
2014		
January	N/A	
February	7,190	
March	49,330	
April	78,680	
May		119,610
June		151,850
July		210,040
August		283,000
September		348,740
October		388,670
November	1,009,410	
December	3,072,610	
2015		
January	4,542,000	
February	5,406,380	
March	6,532,420	
April	7,254,680	
May		8,128,100
June		9,627,030
July		10,599,920
August		11,416,750
September		12,201,960
October		N/A
November	N/A	
December	N/A	

CI 9257
ADDRESS: 350 S. BEVERLY DRIVE

2007		
January	N/A	
February	N/A	
March	N/A	
April	N/A	
May		N/A
June		N/A
July		6,600
August		6,600
September		5,100
October		7,500
November	8,700	
December	10,400	
2008		
January	23,500	
February	13,100	
March	9,800	
April	15,100	
May		6,200
June		8,600
July		14,400
August		27,900
September		15,000
October		15,000
November	9,700	
December	10,600	
2009		
January	18,000	
February	21,300	
March	9,900	
April	13,300	
May		10,400
June		9,800
July		11,600
August		21,000
September		10,500



(2007-2015) Monthly Avg.	
January	13,738
February	8,813
March	7,913
April	11,625
May	8,238
June	9,300
July	8,675
August	12,263
September	7,188
October	7,325
November	4,838
December	7,288

Overall Monthly Avg.
8,933

Avg. per Year	
2007	7,483
2008	14,075
2009	12,817
2010	7,275
2011	17,425
2012	5,767
2013	3,592
2014	5,883
2015	1,783

GIS Algorithm

Water (Distance) = Value		**Distance Value (Miles)**	
8,933	1	1/8	1
4,467	0.4	1/4	0.5
2,233	0.2	1/2	0.25
1,117	0.1	1	0.125

	October		13,200
	November	7,100	
	December	7,700	
2010			
	January	12,300	
	February	14,700	
	March	15,400	
	April	17,600	
	May		8,800
	June		6,700
	July		1,100
	August		2,700
	September		1,200
	October		2,400
	November	3,300	
	December	1,100	
2011			
	January	42,200	
	February	10,700	
	March	10,400	
	April	37,200	
	May		29,200
	June		30,400
	July		11,300
	August		15,200
	September		6,500
	October		5,600
	November	2,900	
	December	7,500	
2012			
	January	700	
	February	2,500	
	March	2,700	
	April	2,700	
	May		4,100
	June		10,800
	July		11,300
	August		7,600
	September		4,100
	October		10,300
	November	2,000	
	December	10,400	
2013			
	January	7,100	
	February	2,900	
	March	1,500	
	April	1,500	
	May		3,800
	June		3,200
	July		2,900
	August		5,800
	September		2,300
	October		3,300
	November	3,900	
	December	4,900	
2014			
	January	3,300	
	February	4,600	
	March	9,800	
	April	4,200	
	May		1,900
	June		4,400
	July		10,200
	August		11,300
	September		12,800
	October		1,300
	November	1,100	
	December	5,700	
2015			
	January	2,800	
	February	700	
	March	3,800	
	April	1,400	

May		1,500
June		500
July		N/A
August		N/A
September		N/A
October		N/A
November	N/A	
December	N/A	

CITY HALL ANALYSIS

CI 9790

ADDRESS: 9336 CIVIC CENTER DRIVE

2012		
January	42,265	
February	19,460	
March	56,875	
April	N/A	
May		N/A
June		N/A
July		44,140
August		41,090
September		67,583
October		31,717
November	32,100	
December	70,000	
2013		
January	34,800	
February	54,000	
March	11,280	
April	51,120	
May		28,500
June		67,540
July		37,710
August		42,848
September		188,182
October		38,400
November	96,500	
December	58,910	
2014		
January	53,590	
February	65,300	
March	134,200	
April	79,220	
May		83,083
June		121,697
July		48,800
August		52,000
September		35,200
October		43,000
November	53,400	
December	47,500	
2015		
January	N/A	
February	N/A	
March	N/A	
April	44,340	
May		61,500
June		41,900
July		47,300
August		34,700
September		20,600
October		N/A
November	N/A	
December	N/A	

(2012-2015) Monthly Avg.	
January	43,552
February	46,253
March	67,452
April	58,227
May	57,694
June	77,046
July	44,488
August	42,660
September	77,891
October	37,706
November	60,667
December	58,803

Overall Monthly Avg.

56,036

Avg. per Year	
2012	45,026
2013	59,149
2014	68,083
2015	41,723

Yearly Avg.	
2012-2015	53,495

GIS Algorithm

Water (Distance) = Value		Distance Value:	
56,036	6	1/8	1
28,018	3	1/4	0.5
14,009	1	1/2	0.25
7,005	.7	1	0.125

SAN VICENTE BLVD. ANALYSIS

CI 9953

ADDRESS: 119, 121 & 123 SAN VICENTE BOULEVARD

ADDED IN GIS BY SDE

2013		
January	N/A	
February	N/A	
March	N/A	
April	N/A	
May		N/A
June		N/A
July		N/A
August		N/A
September		N/A
October		0
November	0	
December	0	
2014		
January	0	
February	0	
March	0	
April	0	
May		N/A
June		N/A
July		N/A
August		N/A
September		N/A
October		N/A
November	N/A	
December	N/A	

(2013-2014) Monthly Avg.	
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0
October	0
November	0
December	0

Overall Monthly Avg.

0

Avg. per Year	
2013	0
2014	0

GIS Algorithm

Water (Distance) = Value	
0	0
0	0

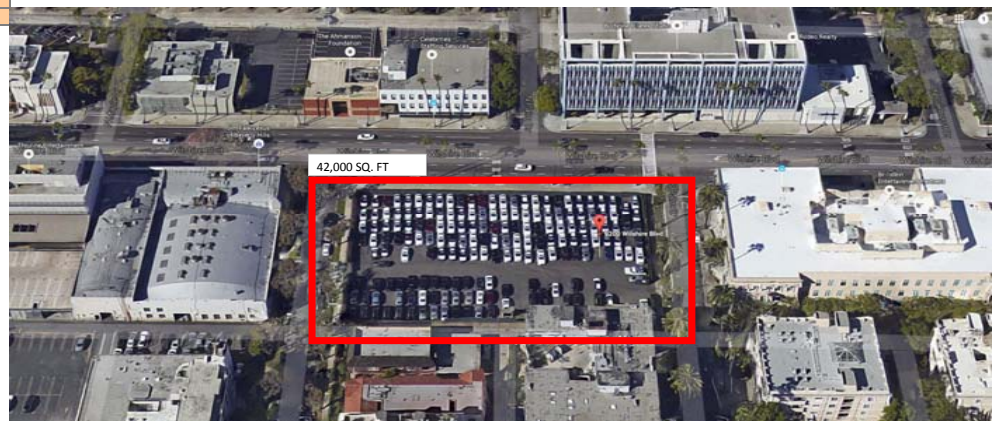
Yearly Avg.	
2013-2014	0

Distance Value:	
1/8	1
1/4	0.5
1/2	0.25
1	0.125

WILLSHIRE BLVD. ANALYSIS

CI 10071

ADDRESS: 9200 WILSHIRE BOULEVARD



2014		
January	N/A	
February	N/A	
March	N/A	
April	N/A	
May		N/A
June		N/A
July		0
August		0
September		0
October		0
November	0	
December	0	
2015		
January	N/A	
February	N/A	
March	N/A	
April	0	
May		0
June		0
July		0

August		0
September		0
October		N/A
November	N/A	
December	N/A	

CI 10074_75
ADDRESS: 1300 N. BEVERLY DRIVE

2015

January	N/A	
February	N/A	
March	N/A	
April	N/A	
May		N/A
June		N/A
July		0
August		0
September		0
October		0
November	0	
December	0	

2015

January	0	
February	0	
March	0	
April	0	
May		0
June		0
July		0
August		0
September		0
October		N/A
November	N/A	
December	N/A	

Rainfall Data

1906 - 2013
http://www.wrcc.dri.edu/cgi-bin/cliMONtpre.pl?ca5115

100-Year Mean	2012	2015
14.74	8.31	

30-Year Mean
17.57

Source: https://rainfall.weatherdb.com/l/2426/Beverly-Hills-California