This presentation premiered at WaterSmart Innovations

watersmartinnovations.com







SB606 & AB1668 Landscape Area Measurement (LAM) Project





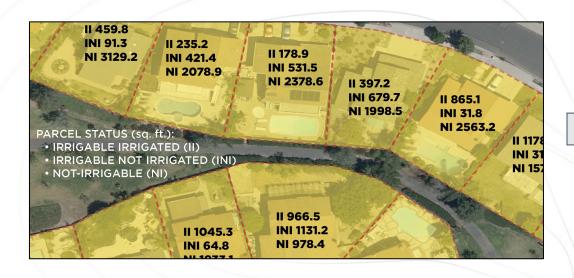
powered by QUANTUM SPATIAL





IDENTIFIED A NEED

FOR ALL URBAN WATER SUPPLIERS





IF THE GOAL IS:

WATER USE EFFICENCY



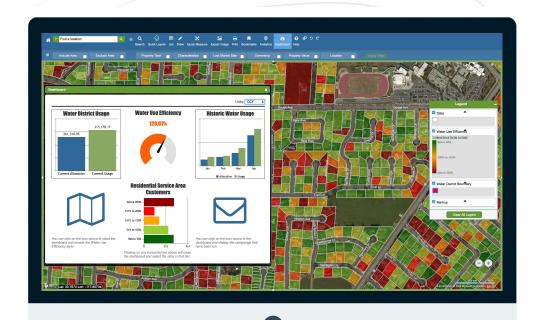
TRACK – ANALYZE - QUANTIFY REAL ELEMENTS OF WATER USE BEHAVIOR







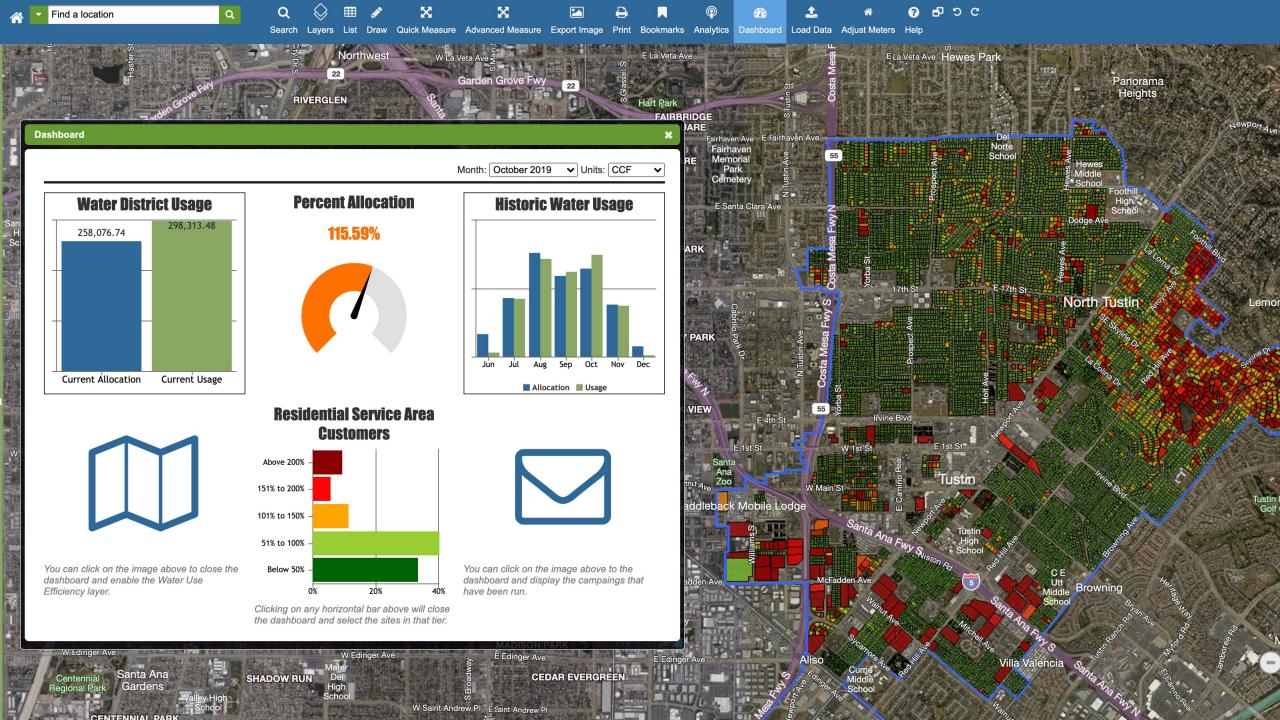




Sophisticated data management platform + simplified GIS environment

Built specifically to help water suppliers promote efficiency and meet their unique water use objectives





Total Service Area

Residential Indoor/Outdoor Allocation VS.

Actual Usage

Custom Calculations

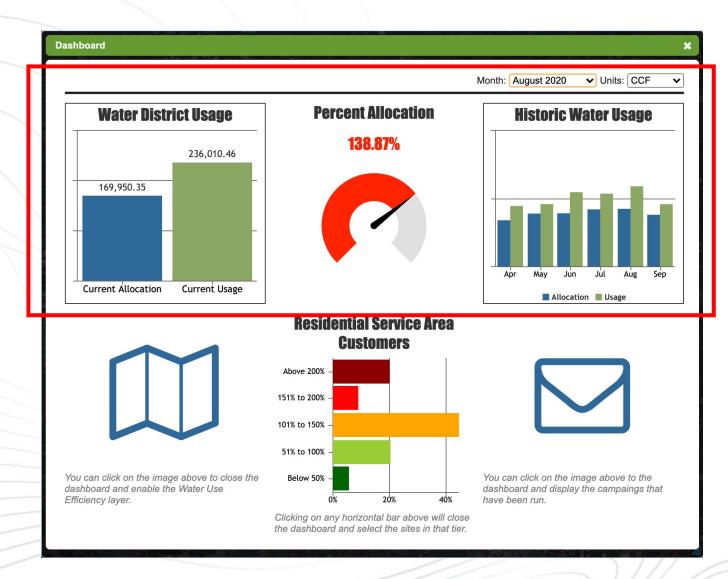
Indoor Standard
Outdoor Standard
Weather/Climate considerations
(Evapotranspiration factors)

Cross referenced & tracked along with actual water use

provides
Instant water use efficiency reading



Identification of **water use trends** across the service area: *Historic Allocation Vs. Usage*





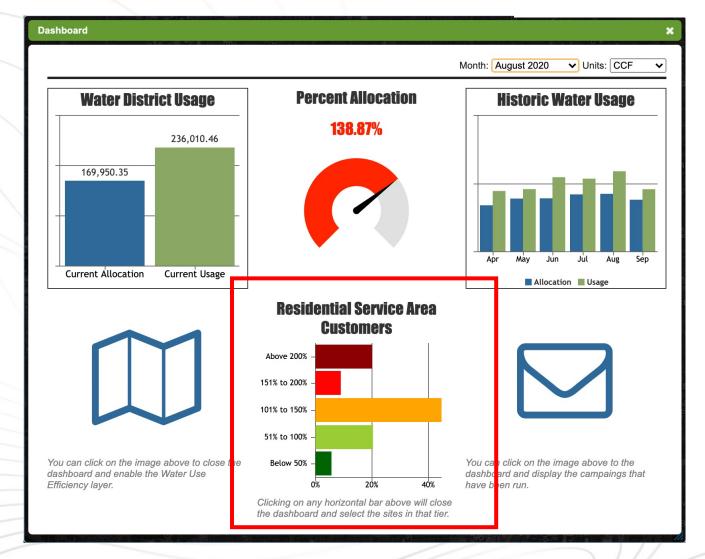
Parcel Level Calculations

---PARCEL LEVEL--Residential Indoor/Outdoor Allocation
vs.
Actual Usage

Cross referenced & tracked along with actual water use

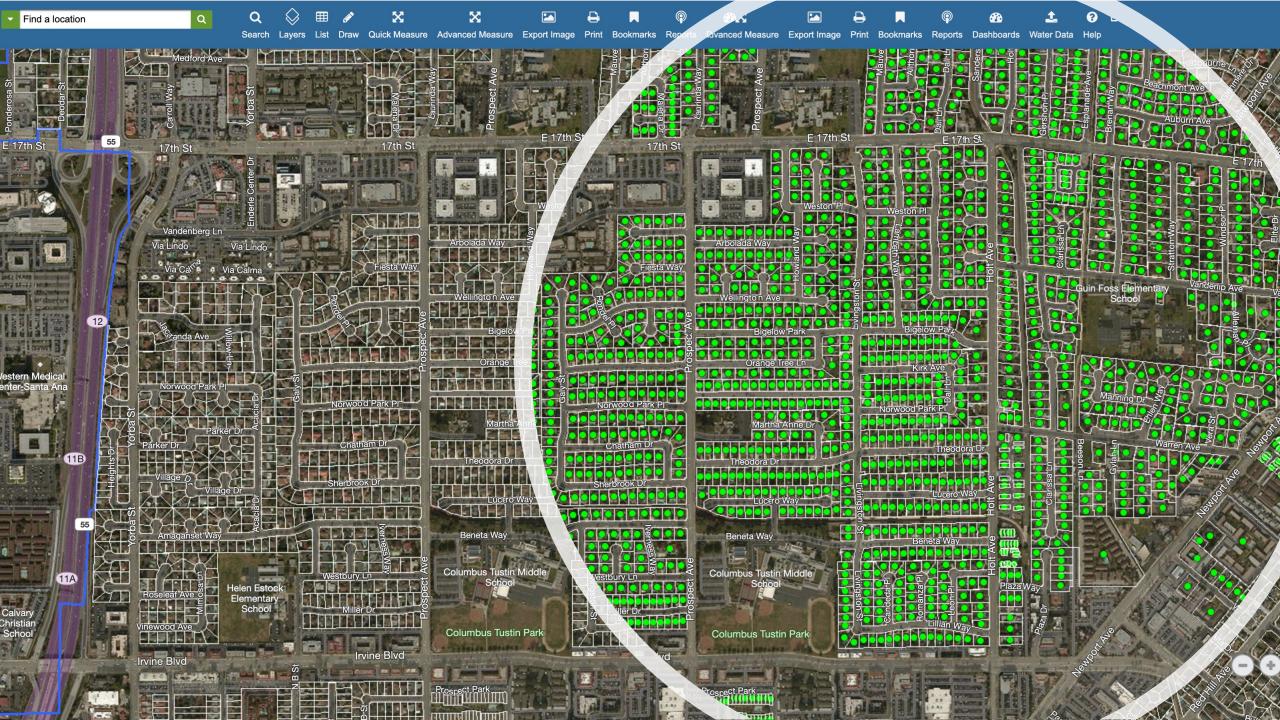
Broken down into INTERACTIVE

water use efficiency tiers based on
the % of allocation used by the
residential customer





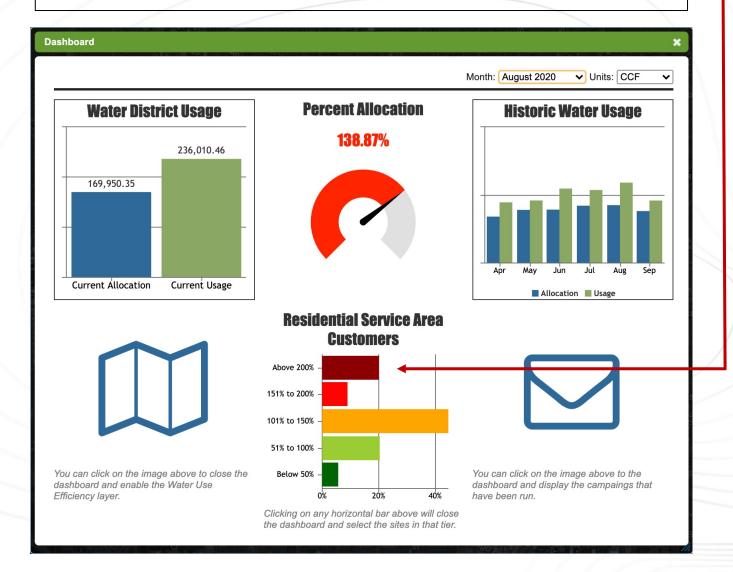


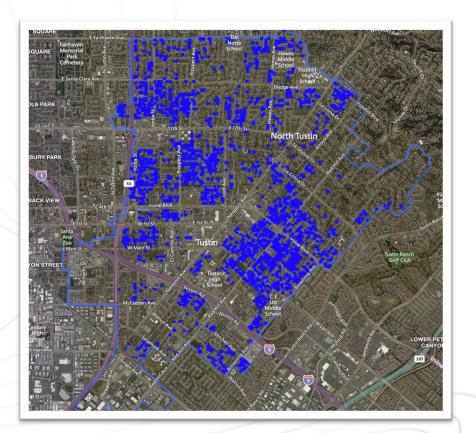




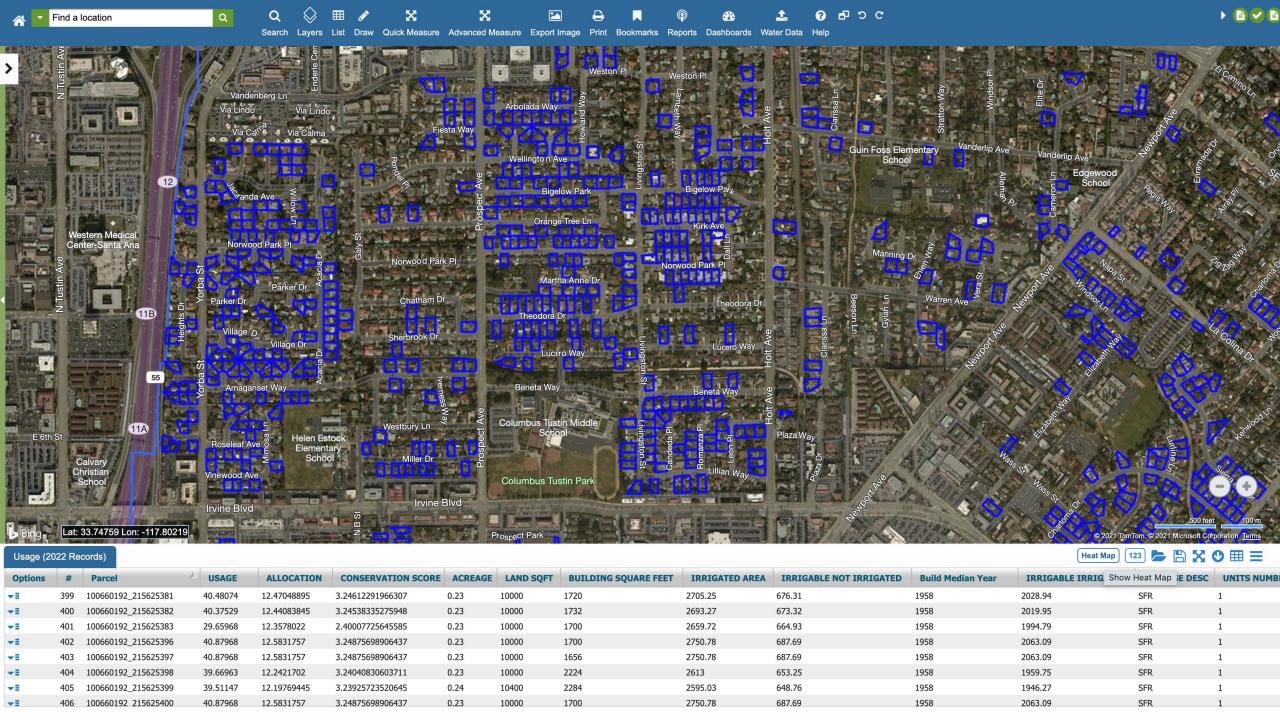


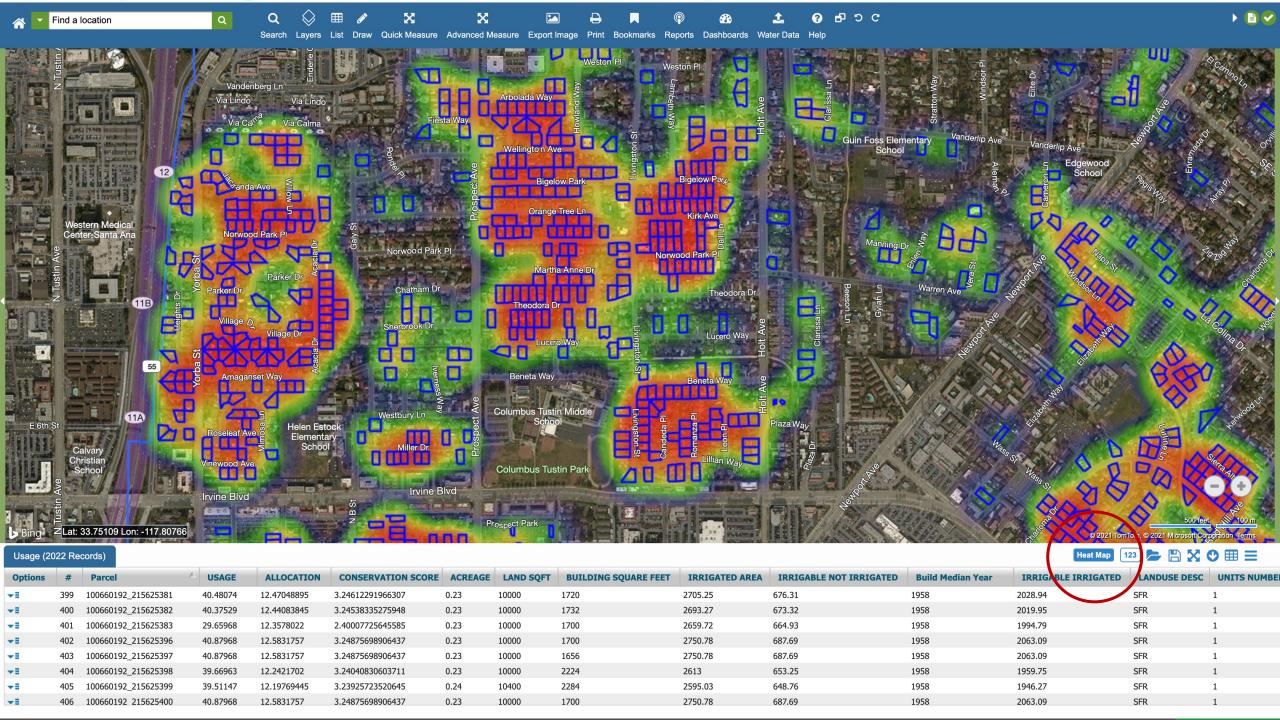
Interactive tiers - 1 click to list creation

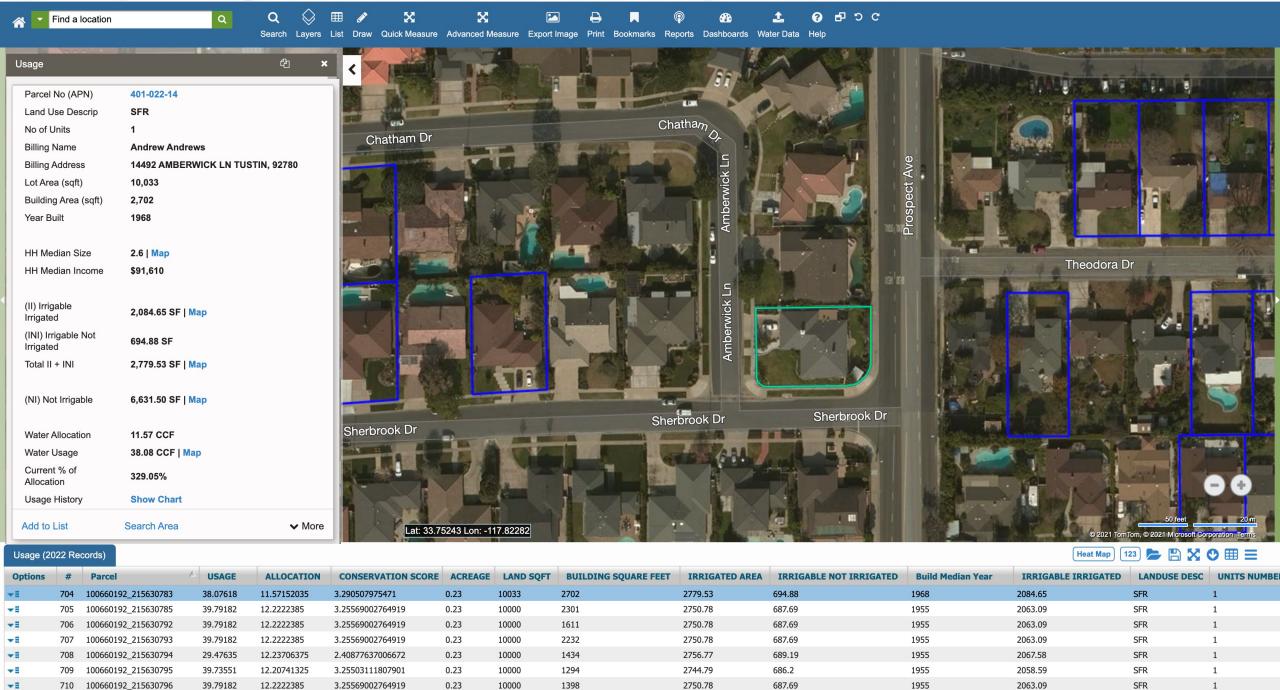












1537.65

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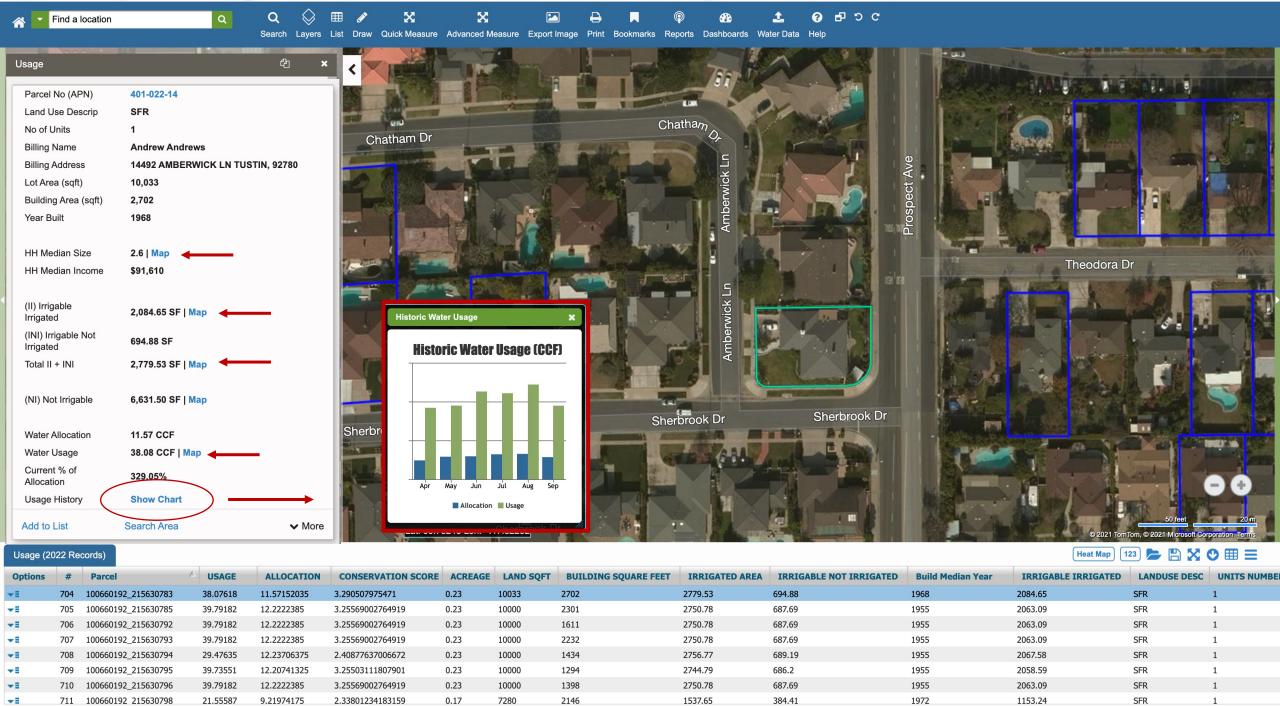
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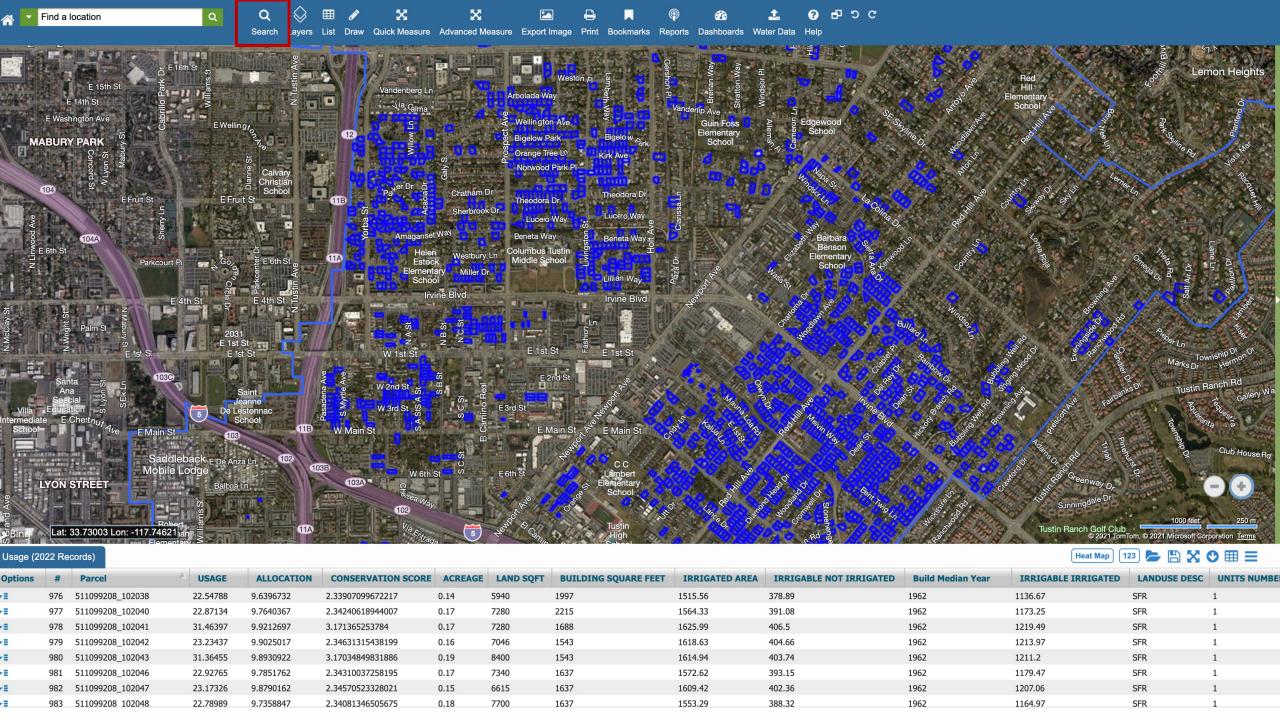
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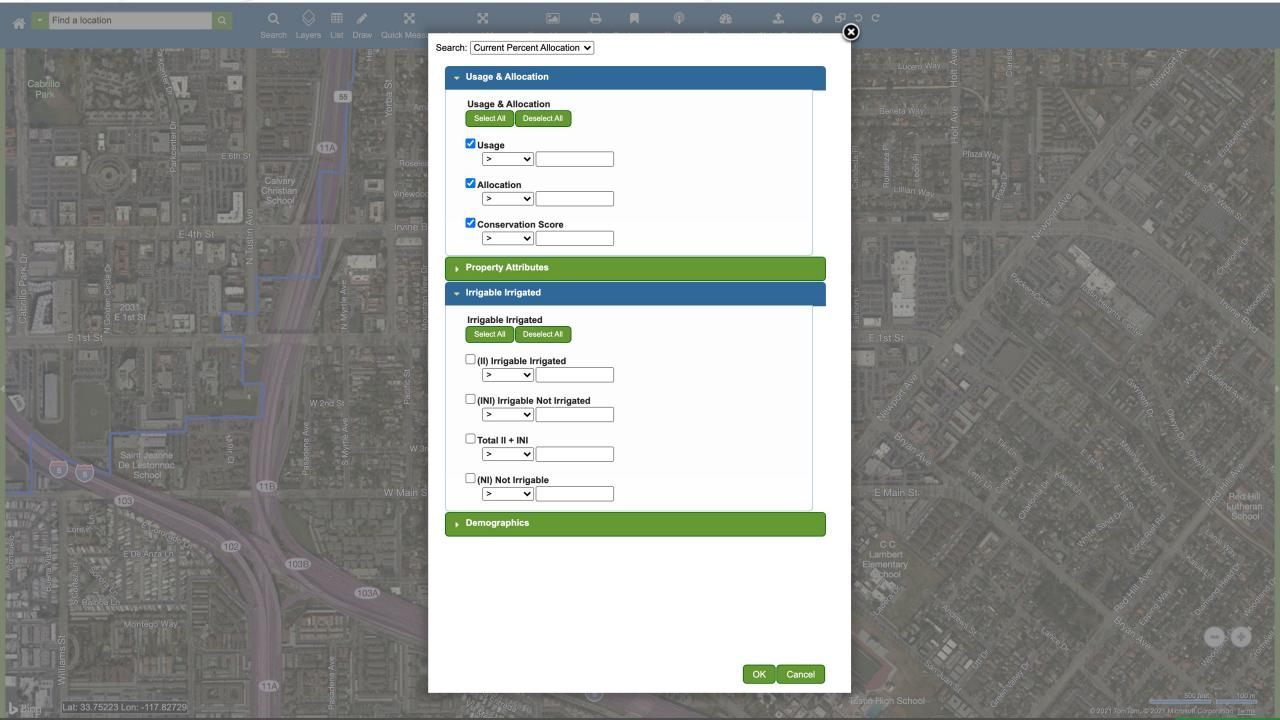
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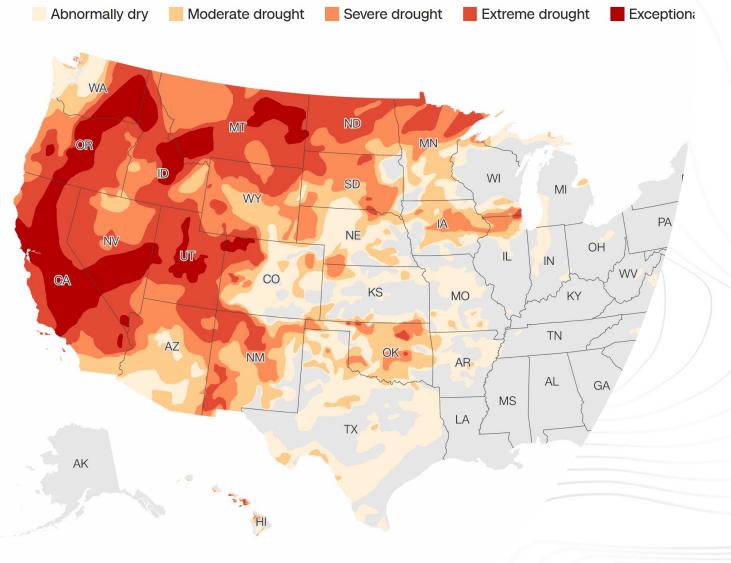






Drought map



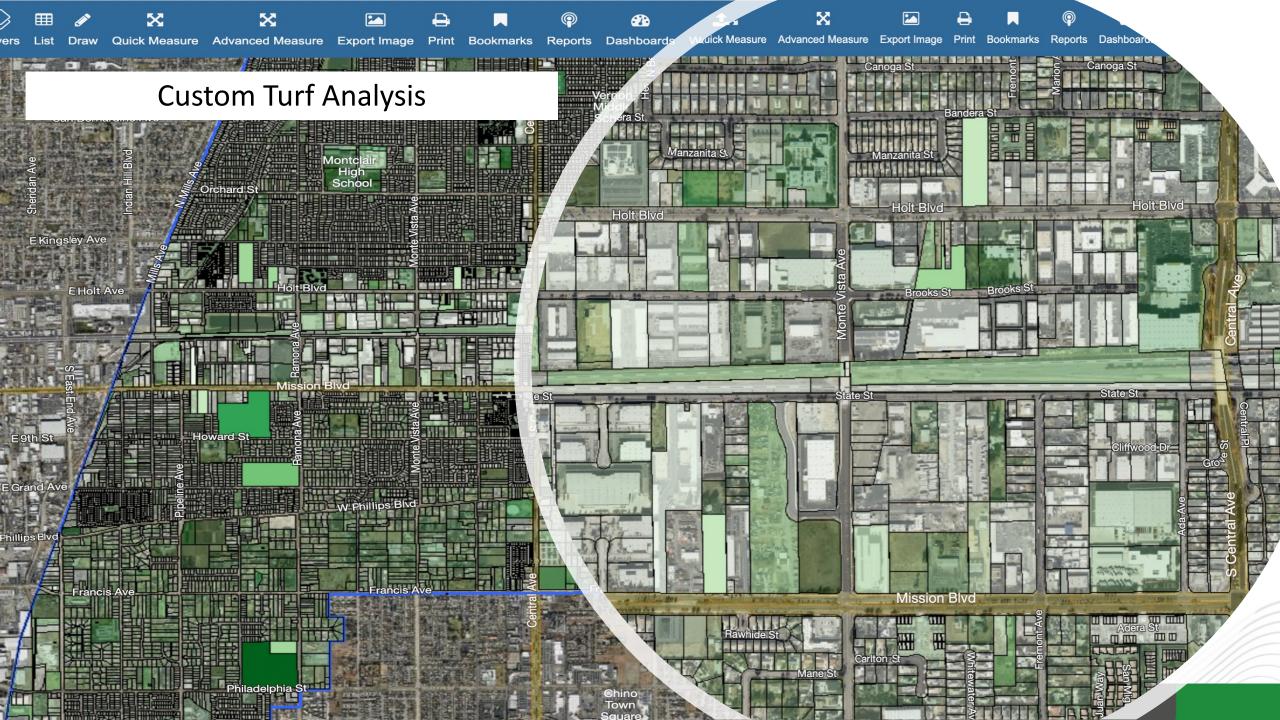


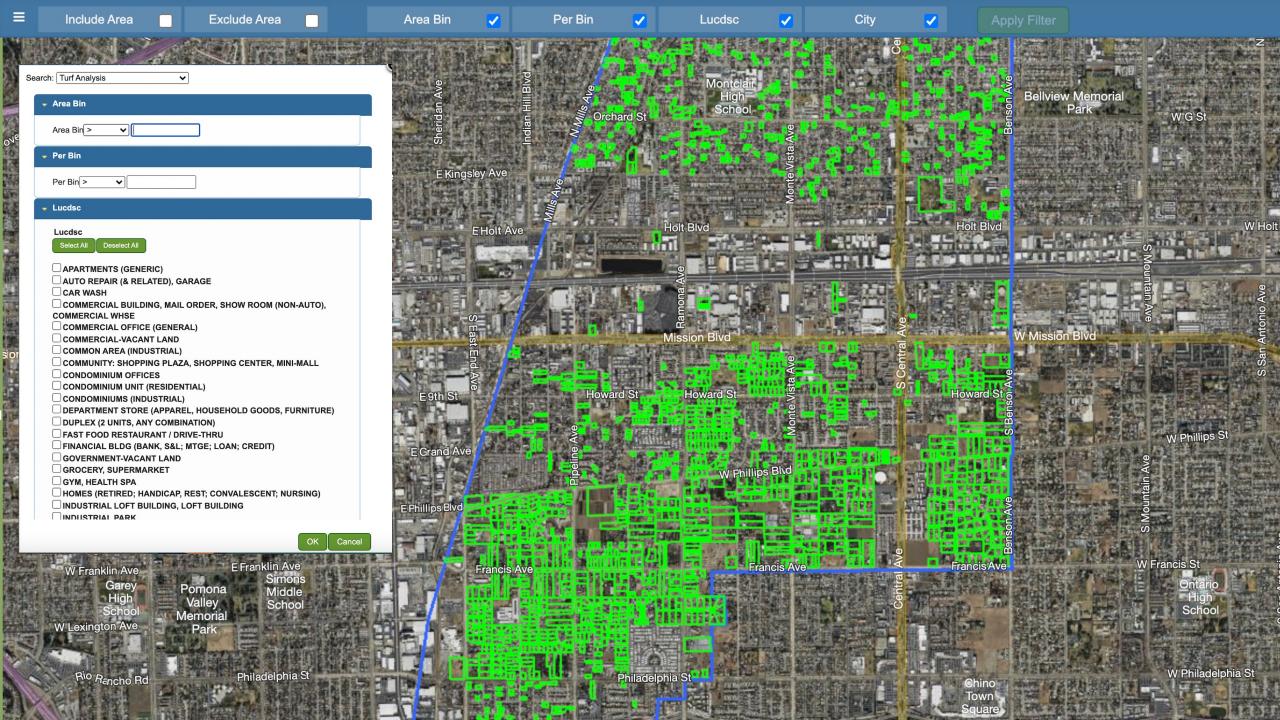
Winter 2021 NOAA Climate Prediction Center Forecast

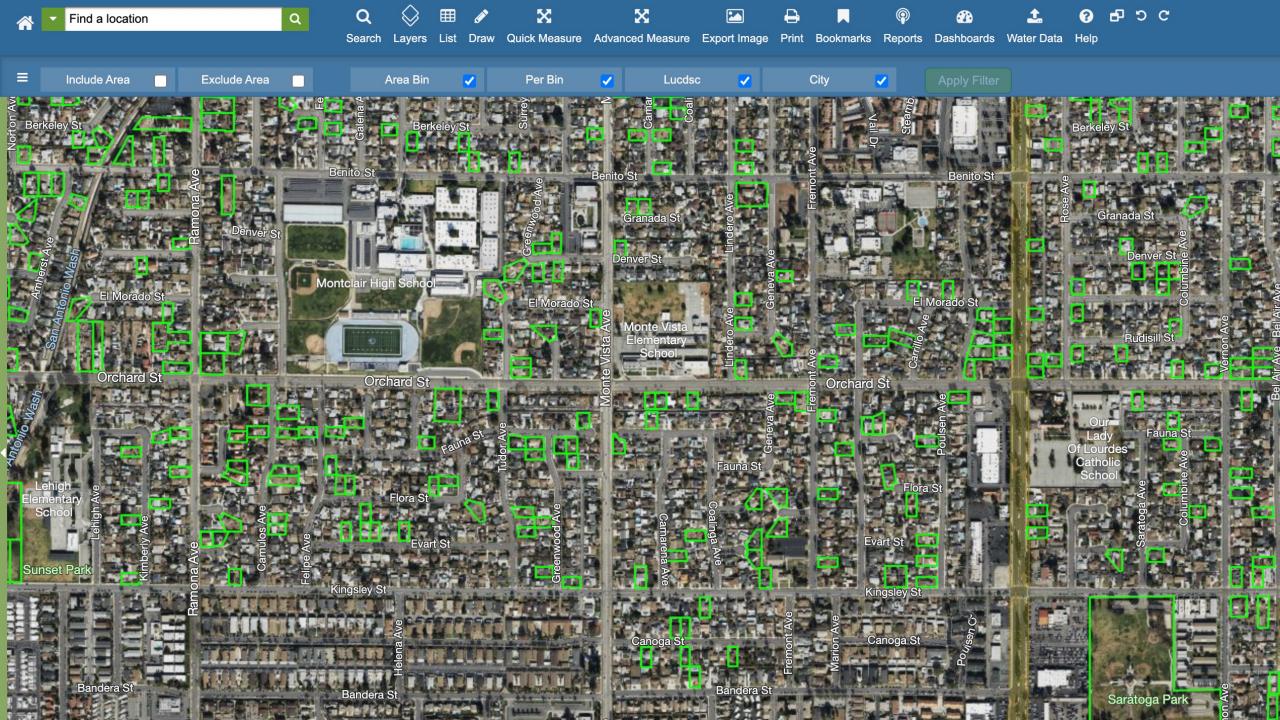
Relief Unlikely

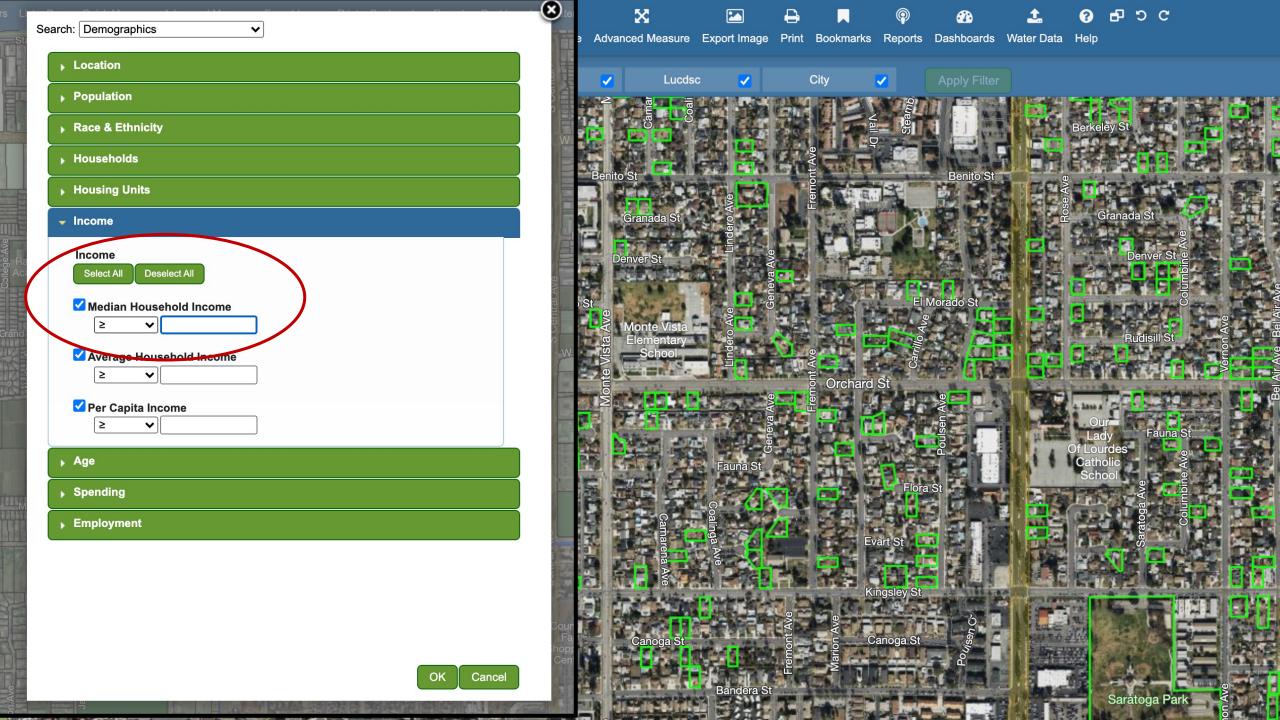
Data is reported weekly. Map updated Thursday, September 30 and repre

Source: US Drought Monitor









JULY 2021

GOVERNER NEWSOM CALLED ON CALIFORNIAN'S TO VOLUTARILY REDUCE THEIR WATER BY 15%



DROUGHT STUDY

		Reduce current						
Recent Months	Total Allocation	Total Usage CCF	usage by 15%	Difference CCF				
Apr	480,615	344,963	293,219	51,744				
May	559,503	401,870	341,590	60,281				
Jun	625,946	462,081	392,769	69,312				

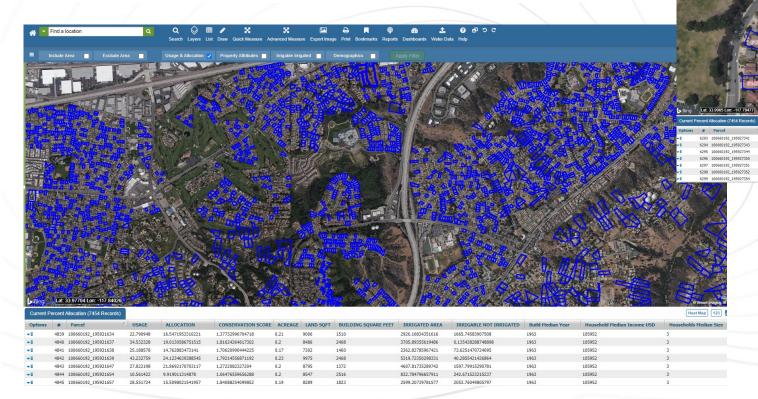
		_					
			462,081	30%			
Customers	25,644	Usage CCF	% of Total ^	Reduce by ^	Difference CCF	Usage CCF >	Cons Score % >
10%	2,564	103,118	22%	72,183	30,935	15	1.40
15%	3,847	140,599	30%	98,419	42,180	12	1.23
20%	5,129	174,309	38%	122,016	52,293	10	1.11
25%	6.411	203.543	44%	142.480	61.063	10	1.01
30%	7,693	226,348	49%	158,444	67,904	9	0.94
35%	8,975	261,897	57%	183,328	78,569	9	0.85
40%	10,258	284,440	62%	199,108	85,332	8	0.79
	10% 15% 20% 25% 30% 35%	10% 2,564 15% 3,847 20% 5,129 25% 6,411 30% 7,693 35% 8,975	10% 2,564 103,118 15% 3,847 140,599 20% 5,129 174,309 25% 6,411 203,543 30% 7,693 226,348 35% 8,975 261,897	Customers 25,644 Usage CCF % of Total ^ 10% 2,564 103,118 22% 15% 3,847 140,599 30% 20% 5,129 174,309 38% 25% 6,411 203,543 44% 30% 7,693 226,348 49% 35% 8,975 261,897 57%	Customers 25,644 Usage CCF % of Total ^ Reduce by ^ 10% 2,564 103,118 22% 72,183 15% 3,847 140,599 30% 98,419 20% 5,129 174,309 38% 122,016 25% 6,411 203,543 44% 142,480 30% 7,693 226,348 49% 158,444 35% 8,975 261,897 57% 183,328	Customers 25,644 Usage CCF % of Total ^ Reduce by ^ Difference CCF 10% 2,564 103,118 22% 72,183 30,935 15% 3,847 140,599 30% 98,419 42,180 20% 5,129 174,309 38% 122,016 52,293 25% 6,411 203,543 44% 142,480 61,063 30% 7,693 226,348 49% 158,444 67,904 35% 8,975 261,897 57% 183,328 78,569	Customers 25,644 Usage CCF % of Total ^ Reduce by ^ Difference CCF Usage CCF > 10% 2,564 103,118 22% 72,183 30,935 15 15% 3,847 140,599 30% 98,419 42,180 12 20% 5,129 174,309 38% 122,016 52,293 10 25% 6,411 203.543 44% 142,480 61,063 10 30% 7,693 226,348 49% 158,444 67,904 9 35% 8,975 261,897 57% 183,328 78,569 9

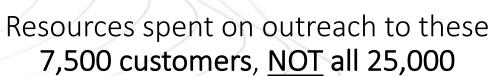


Targeting 30% of the LEAST efficient water customers



				462,081	30%		
	Customers	25,644	Usage CCF	% of Total ^	Reduce by ^	Difference CCF	
	10%	2,564	103,118	22%	72,183	30,935	
	15%	3,847	140,599	30%	98,419	42,180	
	20%	5,129	174,309	38%	122,016	52,293	
	25%	6.411	203.543	44%	142,480	61.063	
	30%	7,693	226,348	49%	158,444	67,904	
Ī	35%	8,975	261,897	57%	183,328	78,569	
	40%	10,258	284,440	62%	199,108	85,332	



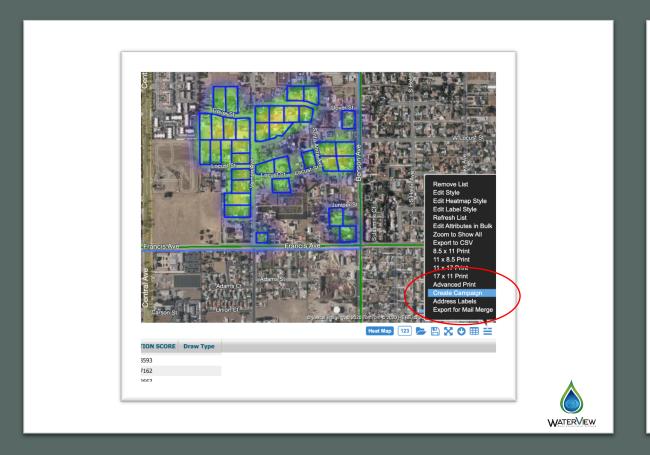






NEXT STEPS

Create an outreach campaign and track the water use behavior change over time



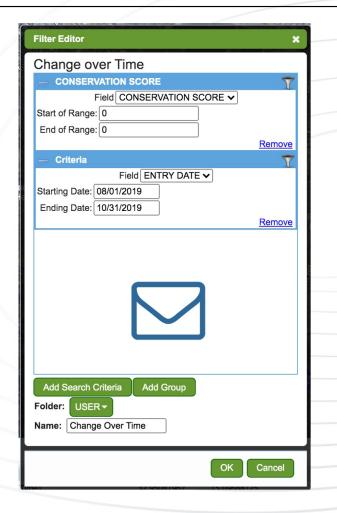
Title Fall 2020 Category Over 200% Subcategory Conservation Score Action Date Notes Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	reate Campa	ign						×	
Subcategory Conservation Score Action Date Notes Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12	Title	Fall 2020							
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Notes Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12	Subcategory	Cons	ervati	on Sc	ore				
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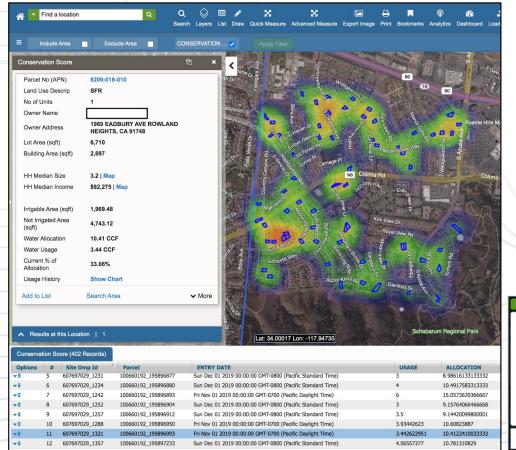


WV - Outreach Module

Monitor the group included in the outreach effort



Watch water use behavior changes over time



Export the new results

Campaign Progress Conservation Score



Manage Campaigns							×
Test Campaign 1 Short Description /	02/08/2021	Delete	Edit	Show on map	Dashboard	Create Mailing	<
Test Campaign 1 Short Description /	02/08/2021	Delete	Edit	Show on map	Dashboard	Create Mailing	>
Test Campaign 1 Short Description /	02/08/2021	Delete	Edit	Show on map	Dashboard	Create Mailing	>





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