Irrigation Water Efficiency Audits of Select City of Santa Fe Parks

Water is a limited resource in the high desert. Santa Fe is blessed to have greater precipitation than much of New Mexico however, with just over 14 inches on average, most landscaping still requires irrigation to survive. Water data shows that 50% or more of summertime water usage in the Southwest region goes to outdoor watering. In Santa Fe, where few residences have extensive lawns, it is estimated that a little less than 40% of summertime water usage is for irrigation purposes.

While turfgrasses are generally identified as the highest water users in irrigated landscapes, green spaces that includes turf areas provide a number of benefits ranging from erosion control and heat island mitigation to safe play surfaces for sports and other outdoor activities that contribute to quality of life.

- The goal of effective turfgrass irrigation is to provide the minimum amount of water required for acceptable appearance or quality of the turf, thereby avoiding both over- and under-irrigation.
- In order to irrigate efficiently, knowledge is required about the grass being grown, its water requirements, the type of soil at the site, the irrigation system being used, and the system's uniformity.
- In general, warm-season grasses such as bermudagrass, buffalograss, or blue grama require less water than cool-season grasses such as Kentucky bluegrass, perennial ryegrass, or tall fescue. However, depending on the purpose and function of the turf area, grasses should not and cannot be selected solely based on a perceived water-use; traffic tolerance, recuperative ability, and aesthetic appearance should also be considered.
- Improving an irrigation system's uniformity and efficiency can help conserve water by reducing run times without affecting quality and by avoiding unnecessary losses due to wind drift, surface runoff, deep percolation, and evaporation from standing water when application rates do not match infiltration rates or the soil's water-holding capacity.

An irrigation water efficiency audit can provide useful data with which to improve the efficiency of an irrigation system by indicating where amendments to the soil, changes to plant types, adjustments to the controller schedule, and/or repairs to the system to improve distribution uniformity will result in the conservation of water as well as improved quality and appearance.

Irrigation Efficiency

The goal of effective irrigation is to provide the minimum amount of water needed to maintain acceptable landscape quality and appearance. Both under- and over-watering can stimulate the growth of diseases and insects, and impact the appearance and quality of the turf, trees and other plants. Because no sprinkler system is 100% uniform in its distribution of water, irrigated areas will have drier and wetter parts. Irrigation scheduling is usually adjusted to provide adequate water to the drier parts to prevent stress and poor appearance in those areas, although this may result in the wetter areas being overwatered creating other problems in those areas.

An irrigation water efficiency audit typically utilizes a catch can test to measure the precipitation rate and to evaluate the distribution uniformity of the irrigation system. Containers are placed in a grid-like pattern throughout an irrigated area, and the irrigation is turned on for a recorded length of time. The water in each container is measured and recorded, and calculations are performed to determine the appropriate irrigation run times for the plant type(s), soil, and precipitation rate.

Table 3. Distribution Uniformity Ratings for Pop-Up Sprinkler Systems Used for Turf Irrigation

Sprinkler Type	---------- Rating ----------				
	Excellent	**Very Good**	**Good**	**Fair**	**Poor**
Fixed Spray	0.75	0.65	0.55	0.50	0.40
Rotor	0.80	0.70	0.65	0.60	0.50
Impact	0.80	0.70	0.65	0.60	0.50

Studies of irrigation audits performed around the United States indicate that the average distribution uniformity (DU) is 0.50 regardless of the type of sprinkler head being used, resulting in twice as much water as is needed being applied in order to maintain the quality of appearance. Repairs and adjustments which improve the uniformity can result in significant water savings.

Amelia White Park -	YES		
Atalaya park		NO	
Calle Lorca Park	YES		
Cornell Park		NO	
E. and W. De Vargas Park	YES		
Don Diego Park	YES		
Galisteo Tennis Courts	YES		
Orlando Fernandez Park		NO	Questions on irrigation
Patrick Smith Park	YES		
Salvador Perez Pool	YES		
Young Park		NO	
Power Plant Building and Park	YES		
Adam Armijo Park		NO	
Cathedral Park		NO	
Frank S. Ortiz Dog Park		NO	
Ft. Marcy Complex		NO	
John F Griego Park		NO	
Mager's Field		NO	
Monica Roybal		NO	
Peralta Park		NO	
Plaza Park		NO	
Prince Park		NO	
Sunnyslope Meadows		NO	
Thomas Macaione		NO	
Torreon Park		NO	
Ashbaugh Park	YES		
Cielo Vista Park	YES		
Espinacitas Park		NO	
Frenchy's Park		NO	
Gregory Lopez Park	YES		
Larragoite Park	YES		
Las Acequias Park	YES		
Maclovia Park		NO	
Rancho del Sol Park	YES		
Candelero Park		NO	
Genoveva Chavez Park	YES		
Herb Martinez Park	YES		
Martin Luther King		NO	
Las Estancias Park		NO	
Marc Brandt Park	YES		
Monica Lucero Park	YES		
Nava Ade Park	YES		
Pueblos del Sol Trails		NO	
Villa Caballero Park		NO	
Villa Linda Park	YES		
MRC	YES		
Santa Fe River Parkway	YES		
Archuleta River Property		NO	
Franklin E. Miles Park	YES		
Ragle Park		NO	
Salvador Perez Park	YES		

#	PARK	AUDIT AREA 1	AUDIT AREA 2	AUDIT AREA 3	AUDIT AREA 4	AUDIT AREA 5	AUDIT AREA 6	AUDIT AREA 7	AUDIT AREA 8	AUDIT AREA 9	AUDIT AREA 10	AUDIT AREA 11	OVERALL DULQ
1	Macaione	34%	62%	53%	58%	64%	36%	53%					**51%**
2	Galisteo	39%	39%	66%	59%	69%	53%						**54%**
3	Villa Linda	40%											**40%**
4	Monica Lucero	80%											**80%**
5	Cielo Vista	53%	72%										**63%**
6	Salvador Perez Patio	69%	31%										**50%**
7	Ashbaugh	72%	62%	74%	62%	58%	65%	78%	59%	61%			**66%**
8	†Nava Ade	47%	43%										**45%**
9	Calle Lorca	48%	61%	57%	37%	65%	66%	58%	55%	69%	74%		**59%**
10	SF River - Cam. Alire to St. Francis Dr.	52%	72%	98%	97%	**193%	**308%						**80%**
11	GCCC	47%											**47%**
12	Larragoite												
13	Las Acequias	37%	44%										**41%**
14	Herb Martinez-**La Resolana**	87%	76%	70%	74%	74%	78%	73%	68%				**75%**
15	Gregory Lopez	58%	22%	57%	73%	28%	72%	15%	62%	41%	68%	55%	**50%**
16	†Amelia White‡ - **Rotor Zones**	60%	40%	52%	52%								**51%**
	†Amelia White - Bubbler Zones	*68%	*115%	*203%	*115%	*61%	*196%	*70%	*80%				***114%**
17	Torreon	31%											**31%**
18	Frank Ortiz	77%	75%										***76%**
19	Los Milagros	50%											**50%**
20	Sunny Slopes	147%	211%										***179%**
21	Candelero	*95%	*90%										***93%**

*Systems are strictly bubblers. Percentage not based on DULQ. Percentage based on manufacturer specs vs actual output as noted by meter-reading.

**Unlocated break in the line. Figures not included in overall percentage.

†Systems done by contractor.

‡Uniform Plumbing Code violation. (UPC 603.2, 606.1)

Summary of Parks Identified for Inventory and Distribution Uniformity Audit

Frank Ortiz Park:

No information on inventory gathered except for head types.

Originally installed with Rain Bird .50 GPM Bubblers, many capped or have been replaced with Irritrol adjustable Bubblers. Trees with Irritrol adjustable bubblers are in distress from overwatering. Consider reviewing drawings and re-establishing original heads, and replace dead plant materials.

Torreon Park:

No inventory provided. Distribution Uniformity of 31% a rating of poor.

Macaione Park:

No inventory provided. Average Distribution Uniformity of 48.5% a rating of poor.

Amelia White Park:

No inventory provided. Average Distribution Uniformity of 48.75% a rating of poor in turf areas. Bubbler zones were originally installed with RB .50 GPM heads. On average zones are applying 113% of target.

Calle Lorca Park:

No inventory provided. Average Distribution uniformity is 60.5% a rating of fair.

De Vargas West Park:

No inventory provided. No efficiency audit performed. Water use increase during 2010 during construction and reduced gradually till present.

De Vargas East Park:

No inventory provided. No efficiency audit performed. Water use steady since 2005 to present.

Galisteo Tennis Courts:

No inventory provided. Distribution Uniformity is an average of 54%, a rating of poor.

Salvador Perez Patio area:

No inventory provided. Park Water history not yet complete due to miss-identification of metered area. Distribution Uniformity of 19%, a rating of poor.

Ashbaugh Park:

No inventory provided. Average Distribution Uniformity of 64%, rated as fair. One meter misidentified as Parks usage but is Fire Department building and landscape.

Cielo Vista Park:

No inventory provided. New Park since 2011. Average Distribution Uniformity of 50.5%, rated as fair.

Frenchys Field:

No inventory provided. No Distribution Uniformity audit performed

Gregory Lopez Park:

No inventory provided. Average uniformity of 43.7%, a rating of poor.

Larragoite Park:

No inventory provided. No Distribution Uniformity audit performed.

Las Acequias Park:

No inventory provided. Average distribution uniformity of 40.5%, a rating of poor.

Los Milagros Park:

No inventory provided. Uniformity of 38%, a rating of poor.

GCCC Park:

No inventory provided. Uniformity of 31%, a rating of poor.

Herb Martinez Park:

No inventory provided. No Distribution Uniformity audit performed.

Monica Lucero Park:

No inventory provided. Distribution Uniformity is 80% a rating of excellent.

Nava Ade Park:

No inventory provided. Distribution Uniformity is 45%, a rating of poor.

Villa Linda Park:

No inventory provided. Distribution Uniformity of 41%, a rating of poor.

Santa Fe River Park – St. Francis: (#2)

Some inventory provided. Bubbler systems only. Two systems audited, one watering 193% of target, one watering 308% of target. Replace bubblers back to specifications.

Santa Fe River Park - Camino Alire: (#1)

Some inventory provided. Bubbler systems only. Point of connection to point of distribution is restricted due to improper pipe size for this long of a run. Pipe friction loss resulting in low volume and pressure. Average target rating 77.25%.

Walk-Through Irrigation System Audit and Site Evaluation						
Site Name: Frank Ortiz Park						Contacts:
Site Address:						Phone #:
Surveyor: Sam		Time: Start____ Finish_ ___				Contacts:
Survey Date:		Catch Cup Date:				Phone #:
		Landscape (sq. ft):			Turf (sq. ft):	Shrubs (sq. ft):
Meter #'s	Begin Read	End Read	Backflow PSI		Comments:	
9956515	00259884	00260424	static	dynamic	Original install was RB .50 GPM bubblers. Many capped or have been replaced with Irritrol adjustable Bubblers. Trees with Irritrol are in distress from overwatering.	
			65	42		

Catch Cup Count	Zone	Head or Sprinkler Type and Location if needed	Head #	Test Time (min)	Head PSI on Zone	T=Slanted, C=Clogged, Bl=Blocked Spray, BS=Broken Stem, BH=Broken Head, BN=Broken Nozzle, CO=Cap Off, WS=Wrong Spacing, WA=Wrong Arc, RD=Radius Screw Down Too Far, RF=Runoff, OV= Overspray, LH= Low Head, LPSI=Low Pressure at Head, UP=Stuck Up, RTF= Rotation Too Fast, MH= Missing Head, BV= Broken Valve, NC= Nozzle Color, CNF= Can Not Find, NST=No Start Time, MPR= MP Rotator Nozzles/Heads Recommended for this area, RX=Remove turf for Xeriscape or Shrub Bed, **(Count number of Trees, Shrubs per Zone), Additional Notes as needed**
	1		**54**	**20**		Target: 540 Gal
						Actual: 322 Gal **77%**
	2		**15**	**20**		Target: 150 Gal
						Actual: 112 Gal **75%**
	3					
	4					
	5					

	Galisteo			Date		**Unknown**		
				Auditor		**Sam**		
				Area/Zone/Station		**1.00**		
			1					
				in^2	Test Run Time (t_R)			min
40	17	140	33	150	49	100	65	
130	18	125	34	140	50	100	66	
120	19	170	35	80	51	50	67	
140	20	160	36	170	52	40	68	
105	21	125	37	160	53	20	69	
190	22	160	38	150	54	15	70	
120	23	15	39	130	55	10	71	
70	24	50	40	120	56	45	72	
55	25	62	41	130	57		73	
130	26	120	42	80	58		74	
190	27	40	43	60	59		75	
130	28	95	44	110	60		76	
95	29	90	45	130	61		77	
140	30	105	46	70	62		78	
170	31	145	47	100	63		79	
185	32	85	48	50	64		80	
		56		1/4 Number Catch Devices			**14**	
		5907		Total Low Quarter			**552**	
		105.48		Average Low Quarter (V_{lq})			**39.43**	
Average Low Quarter (V_{lq})			=	**0.37**				
Average Volume (V_{avg})								

Project Name		**Galisteo**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**2.00**		
See instructions below on clearing input area									
Test Area/Station				**2**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	30	17	5	33	135	49	110	65	
2	65	18	25	34	40	50	190	66	
3	75	19	40	35	60	51	50	67	
4	75	20	40	36	210	52	105	68	
5	40	21	40	37	40	53	45	69	
6	1	22	45	38	60	54	90	70	
7	35	23	110	39	50	55	50	71	
8	80	24	50	40	55	56	135	72	
9	25	25	130	41	165	57	75	73	
10	70	26	90	42	70	58	55	74	
11	40	27	125	43	80	59	60	75	
12	10	28	120	44	90	60	170	76	
13	10	29	120	45	60	61		77	
14	55	30	50	46	100	62		78	
15	65	31	70	47	80	63		79	
16	70	32	65	48	60	64		80	
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**	
Total Catch Volume			**4361**		Total Low Quarter			**421**	
Average Volume (V_{avg})			**72.68**		Average Low Quarter (V_{lq})			**28.07**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.39**				
	Average Volume (V_{avg})								

Project Name		**Galisteo**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**3.00**		
See instructions below on clearing input area									
Test Area/Station				**3**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	15	17	30	33	30	49	30	65	
2	15	18	20	34	20	50	25	66	
3	30	19	25	35	25	51	40	67	
4	35	20	40	36	30	52	40	68	
5	30	21	40	37	35	53	50	69	
6	30	22	25	38	20	54	30	70	
7	20	23	30	39	20	55	15	71	
8	40	24	25	40	20	56	20	72	
9	40	25	25	41	25	57		73	
10	20	26	25	42	20	58		74	
11	20	27	15	43	25	59		75	
12	20	28	25	44	20	60		76	
13	25	29	30	45	35	61		77	
14	55	30	30	46	25	62		78	
15	30	31	20	47	40	63		79	
16	40	32	35	48	40	64		80	
Number Catch Devices			**56**		1/4 Number Catch Devices			**14**	
Total Catch Volume			**1585**		Total Low Quarter			**260**	
Average Volume (V_{avg})			**28.30**		Average Low Quarter (V_{lq})			**18.57**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.66**				
	Average Volume (V_{avg})								

Project Name		**Galisteo**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**4.00**		
See instructions below on clearing input area									
Test Area/Station				**4**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	20	17	15	33	35	49	30	65	
2	20	18	30	34	25	50	30	66	
3	40	19	30	35	10	51	30	67	
4	50	20	20	36	20	52	40	68	
5	25	21	30	37	30	53	40	69	
6	30	22	30	38	30	54	25	70	
7	20	23	10	39	10	55	20	71	
8	25	24	10	40	30	56	50	72	
9	40	25	30	41	35	57	35	73	
10	35	26	25	42	25	58	35	74	
11	10	27	20	43	20	59	50	75	
12	30	28	20	44	20	60	20	76	
13	30	29	25	45	35	61		77	
14	20	30	35	46	30	62		78	
15	30	31	25	47	25	63		79	
16	30	32	25	48	30	64		80	
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**	
Total Catch Volume			**1650**		Total Low Quarter			**245**	
Average Volume (V_{avg})			**27.50**		Average Low Quarter (V_{lq})			**16.33**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.59**				
	Average Volume (V_{avg})								

Project Name		**Galisteo**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**5.00**	
See instructions below on clearing input area									
Test Area/Station				**5**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	15	17	35	33		49		65	
2	25	18	45	34		50		66	
3	25	19	45	35		51		67	
4	25	20	45	36		52		68	
5	25	21	30	37		53		69	
6	20	22	50	38		54		70	
7	25	23	35	39		55		71	
8	20	24	35	40		56		72	
9	30	25	20	41		57		73	
10	30	26	35	42		58		74	
11	30	27	15	43		59		75	
12	30	28	25	44		60		76	
13	30	29	25	45		61		77	
14	30	30		46		62		78	
15	30	31		47		63		79	
16	30	32		48		64		80	
Number Catch Devices			**29**		1/4 Number Catch Devices			**8**	
Total Catch Volume			**860**		Total Low Quarter			**165**	
Average Volume (V_{avg})			**29.66**		Average Low Quarter (V_{lq})			**20.63**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.70**				
	Average Volume (V_{avg})								

Project Name		**Galisteo**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**6.00**		
See instructions below on clearing input area									
Test Area/Station				**6**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	20	17	30	33	10	49	60	65	
2	30	18	40	34	30	50	65	66	
3	35	19	35	35	35	51	20	67	
4	40	20	30	36	35	52	20	68	
5	30	21	35	37	35	53	20	69	
6	20	22	40	38	35	54	21	70	
7	35	23	30	39	35	55	15	71	
8	40	24	40	40	40	56	10	72	
9	30	25	40	41	35	57		73	
10	30	26	35	42	30	58		74	
11	45	27	30	43	25	59		75	
12	40	28	35	44	25	60		76	
13	20	29	35	45	20	61		77	
14	65	30	10	46	30	62		78	
15	55	31	10	47	55	63		79	
16	30	32	45	48	35	64		80	
Number Catch Devices			**56**		1/4 Number Catch Devices			**14**	
Total Catch Volume			**1826**		Total Low Quarter			**241**	
Average Volume (V_{avg})			**32.61**		Average Low Quarter (V_{lq})			**17.21**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.53**				
	Average Volume (V_{avg})								

DU = 54%

Project Name		**GCCC**			Date		**June 18, 2015**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**1.00**		
See instructions below on clearing input area									
Test Area/Station				**1**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	100	17	20	33	35	49	60	65	
2	50	18	25	34	25	50	50	66	
3	50	19	25	35	75	51	25	67	
4	80	20	0	36	70	52	25	68	
5	45	21	0	37	0	53	25	69	
6	50	22	0	38	40	54	0	70	
7	50	23	20	39	55	55	10	71	
8	40	24	35	40	50	56	20	72	
9	60	25	45	41	35	57	25	73	
10	35	26	40	42	30	58	15	74	
11	35	27	40	43	90	59	15	75	
12	35	28	25	44	80	60	10	76	
13	40	29	40	45	50	61		77	
14	25	30	30	46	80	62		78	
15	30	31	40	47	95	63		79	
16	35	32	40	48	110	64		80	
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**	
Total Catch Volume			**2385**		Total Low Quarter			**185**	
Average Volume (V_{avg})			**39.75**		Average Low Quarter (V_{lq})			**12.33**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.31**				
	Average Volume (V_{avg})								

DU = 31%

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**1.00**			
See instructions below on clearing input area											
Test Area/Station				**1**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**30**	17	**50**	33		49		65		81	
2	**30**	18	**40**	34		50		66		82	
3	**25**	19	**40**	35		51		67		83	
4	**25**	20	**45**	36		52		68		84	
5	**25**	21	**30**	37		53		69		85	
6	**25**	22	**40**	38		54		70		86	
7	**25**	23	**45**	39		55		71		87	
8	**25**	24	**100**	40		56		72		88	
9	**35**	25		41		57		73		89	
10	**20**	26		42		58		74		90	
11	**20**	27		43		59		75		91	
12	**10**	28		44		60		76		92	
13	**45**	29		45		61		77		93	
14	**40**	30		46		62		78		94	
15	**40**	31		47		63		79		95	
16	**55**	32		48		64		80		96	
Number Catch Devices			**24**		1/4 Number Catch Devices			**6**			
Total Catch Volume			**865**		Total Low Quarter			**125**			
Average Volume (V_{avg})			**36.04**		Average Low Quarter (V_{lq})			**20.83**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.58						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**2.00**			
See instructions below on clearing input area											
Test Area/Station				**2**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**20**	17	**20**	33		49		65		81	
2	**45**	18	**30**	34		50		66		82	
3	**35**	19	**5**	35		51		67		83	
4	**25**	20	**5**	36		52		68		84	
5	**20**	21	**5**	37		53		69		85	
6	**15**	22	**0**	38		54		70		86	
7	**25**	23	**5**	39		55		71		87	
8	**25**	24	**5**	40		56		72		88	
9	**40**	25		41		57		73		89	
10	**35**	26		42		58		74		90	
11	**20**	27		43		59		75		91	
12	**25**	28		44		60		76		92	
13	**10**	29		45		61		77		93	
14	**10**	30		46		62		78		94	
15	**20**	31		47		63		79		95	
16	**10**	32		48		64		80		96	
Number Catch Devices			**24**		1/4 Number Catch Devices			**6**			
Total Catch Volume			**455**		Total Low Quarter			**25**			
Average Volume (V_{avg})			**18.96**		Average Low Quarter (V_{lq})			**4.17**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.22						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**3.00**			
See instructions below on clearing input area											
Test Area/Station				**3**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**10**	17	**20**	33		49		65		81	
2	**10**	18	**20**	34		50		66		82	
3	**10**	19	**15**	35		51		67		83	
4	**15**	20	**20**	36		52		68		84	
5	**15**	21	**25**	37		53		69		85	
6	**5**	22	**15**	38		54		70		86	
7	**15**	23	**15**	39		55		71		87	
8	**15**	24	**10**	40		56		72		88	
9	**20**	25		41		57		73		89	
10	**15**	26		42		58		74		90	
11	**20**	27		43		59		75		91	
12	**25**	28		44		60		76		92	
13	**25**	29		45		61		77		93	
14	**20**	30		46		62		78		94	
15	**15**	31		47		63		79		95	
16	**10**	32		48		64		80		96	
Number Catch Devices			**24**		1/4 Number Catch Devices			**6**			
Total Catch Volume			**385**		Total Low Quarter			**55**			
Average Volume (V_{avg})			**16.04**		Average Low Quarter (V_{lq})			**9.17**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.57						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**4.00**			
See instructions below on clearing input area											
Test Area/Station				**4**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**40**	17	**70**	33		49		65		81	
2	**55**	18	**45**	34		50		66		82	
3	**85**	19		35		51		67		83	
4	**75**	20		36		52		68		84	
5	**55**	21		37		53		69		85	
6	**45**	22		38		54		70		86	
7	**40**	23		39		55		71		87	
8	**35**	24		40		56		72		88	
9	**30**	25		41		57		73		89	
10	**45**	26		42		58		74		90	
11	**45**	27		43		59		75		91	
12	**55**	28		44		60		76		92	
13	**55**	29		45		61		77		93	
14	**55**	30		46		62		78		94	
15	**55**	31		47		63		79		95	
16	**80**	32		48		64		80		96	
Number Catch Devices			**18**		1/4 Number Catch Devices			**5**			
Total Catch Volume			**965**		Total Low Quarter			**190**			
Average Volume (V_{avg})			**53.61**		Average Low Quarter (V_{lq})			**38.00**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.71						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**5.00**			
See instructions below on clearing input area											
Test Area/Station				**5**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**60**	17	**5**	33		49		65		81	
2	**70**	18	**10**	34		50		66		82	
3	**30**	19	**30**	35		51		67		83	
4	**40**	20	**30**	36		52		68		84	
5	**30**	21		37		53		69		85	
6	**10**	22		38		54		70		86	
7	**10**	23		39		55		71		87	
8	**30**	24		40		56		72		88	
9	**20**	25		41		57		73		89	
10	**60**	26		42		58		74		90	
11	**50**	27		43		59		75		91	
12	**50**	28		44		60		76		92	
13	**30**	29		45		61		77		93	
14	**40**	30		46		62		78		94	
15	**20**	31		47		63		79		95	
16	**10**	32		48		64		80		96	
Number Catch Devices			**20**		1/4 Number Catch Devices			**5**			
Total Catch Volume			**635**		Total Low Quarter			**45**			
Average Volume (V_{avg})			**31.75**		Average Low Quarter (V_{lq})			**9.00**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.28						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**6.00**			
See instructions below on clearing input area											
Test Area/Station				**6**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**10**	17	**5**	33		49		65		81	
2	**10**	18	**10**	34		50		66		82	
3	**10**	19	**10**	35		51		67		83	
4	**10**	20	**5**	36		52		68		84	
5	**10**	21		37		53		69		85	
6	**20**	22		38		54		70		86	
7	**10**	23		39		55		71		87	
8	**10**	24		40		56		72		88	
9	**10**	25		41		57		73		89	
10	**10**	26		42		58		74		90	
11	**10**	27		43		59		75		91	
12	**5**	28		44		60		76		92	
13	**10**	29		45		61		77		93	
14	**10**	30		46		62		78		94	
15	**10**	31		47		63		79		95	
16	**10**	32		48		64		80		96	
Number Catch Devices			**20**		1/4 Number Catch Devices			**5**			
Total Catch Volume			**195**		Total Low Quarter			**35**			
Average Volume (V_{avg})			**9.75**		Average Low Quarter (V_{lq})			**7.00**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.72						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**7.00**			
See instructions below on clearing input area											
Test Area/Station				**7**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**35**	17	**35**	33	**0**	49		65		81	
2	**50**	18	**30**	34	**3**	50		66		82	
3	**35**	19	**25**	35	**15**	51		67		83	
4	**10**	20	**35**	36	**30**	52		68		84	
5	**50**	21	**80**	37		53		69		85	
6	**30**	22	**100**	38		54		70		86	
7	**5**	23	**105**	39		55		71		87	
8	**2**	24	**100**	40		56		72		88	
9	**25**	25	**75**	41		57		73		89	
10	**50**	26	**50**	42		58		74		90	
11	**30**	27	**35**	43		59		75		91	
12	**40**	28	**50**	44		60		76		92	
13	**30**	29	**10**	45		61		77		93	
14	**25**	30	**35**	46		62		78		94	
15	**25**	31	**2**	47		63		79		95	
16	**20**	32	**0**	48		64		80		96	
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**			
Total Catch Volume			**1277**		Total Low Quarter			**47**			
Average Volume (V_{avg})			**35.47**		Average Low Quarter (V_{lq})			**5.22**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.15						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**8.00**			
See instructions below on clearing input area											
Test Area/Station				**8**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**30**	17		33		49		65		81	
2	**60**	18		34		50		66		82	
3	**80**	19		35		51		67		83	
4	**70**	20		36		52		68		84	
5	**50**	21		37		53		69		85	
6	**40**	22		38		54		70		86	
7	**35**	23		39		55		71		87	
8	**35**	24		40		56		72		88	
9	**50**	25		41		57		73		89	
10	**55**	26		42		58		74		90	
11	**75**	27		43		59		75		91	
12	**75**	28		44		60		76		92	
13	**90**	29		45		61		77		93	
14	**65**	30		46		62		78		94	
15		31		47		63		79		95	
16		32		48		64		80		96	
Number Catch Devices			**14**		1/4 Number Catch Devices			**4**			
Total Catch Volume			**810**		Total Low Quarter			**140**			
Average Volume (V_{avg})			**57.86**		Average Low Quarter (V_{lq})			**35.00**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.60						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**9.00**			
See instructions below on clearing input area											
Test Area/Station				**9**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**25**	17	**5**	33		49		65		81	
2	**20**	18	**1**	34		50		66		82	
3	**25**	19	**2**	35		51		67		83	
4	**15**	20	**8**	36		52		68		84	
5	**15**	21	**20**	37		53		69		85	
6	**4**	22	**30**	38		54		70		86	
7	**15**	23		39		55		71		87	
8	**10**	24		40		56		72		88	
9	**15**	25		41		57		73		89	
10	**20**	26		42		58		74		90	
11	**30**	27		43		59		75		91	
12	**39**	28		44		60		76		92	
13	**35**	29		45		61		77		93	
14	**20**	30		46		62		78		94	
15	**10**	31		47		63		79		95	
16	**10**	32		48		64		80		96	
Number Catch Devices			**22**		1/4 Number Catch Devices			**6**			
Total Catch Volume			**374**		Total Low Quarter			**30**			
Average Volume (V_{avg})			**17.00**		Average Low Quarter (V_{lq})			**5.00**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.29						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**10.00**			
See instructions below on clearing input area											
Test Area/Station				**10**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**40**	17		33		49		65		81	
2	**45**	18		34		50		66		82	
3	**35**	19		35		51		67		83	
4	**20**	20		36		52		68		84	
5	**25**	21		37		53		69		85	
6	**30**	22		38		54		70		86	
7	**20**	23		39		55		71		87	
8	**25**	24		40		56		72		88	
9	**20**	25		41		57		73		89	
10	**30**	26		42		58		74		90	
11	**30**	27		43		59		75		91	
12	**40**	28		44		60		76		92	
13	**40**	29		45		61		77		93	
14	**50**	30		46		62		78		94	
15		31		47		63		79		95	
16		32		48		64		80		96	
Number Catch Devices			**14**		1/4 Number Catch Devices			**4**			
Total Catch Volume			**450**		Total Low Quarter			**85**			
Average Volume (V_{avg})			**32.14**		Average Low Quarter (V_{lq})			**21.25**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.66						
	Average Volume (V_{avg})										

Project Name		**Gregory Lopez**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**11.00**			
See instructions below on clearing input area											
Test Area/Station				**11**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**15**	17	**45**	33		49		65		81	
2	**25**	18	**65**	34		50		66		82	
3	**15**	19	**60**	35		51		67		83	
4	**3**	20	**55**	36		52		68		84	
5	**25**	21	**50**	37		53		69		85	
6	**40**	22	**75**	38		54		70		86	
7	**25**	23		39		55		71		87	
8	**25**	24		40		56		72		88	
9	**25**	25		41		57		73		89	
10	**35**	26		42		58		74		90	
11	**35**	27		43		59		75		91	
12	**50**	28		44		60		76		92	
13	**20**	29		45		61		77		93	
14	**40**	30		46		62		78		94	
15	**20**	31		47		63		79		95	
16	**25**	32		48		64		80		96	
Number Catch Devices			**22**		1/4 Number Catch Devices			**6**			
Total Catch Volume			**773**		Total Low Quarter			**98**			
Average Volume (V_{avg})			**35.14**		Average Low Quarter (V_{lq})			**16.33**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	0.46						
	Average Volume (V_{avg})										

Distribution Uniformity of this system as audited: **43.7%**

Project Name		**Las Acequias**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**1.00**			
See instructions below on clearing input area											
Test Area/Station				**1**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**23**	17	**20**	33	**7**	49		65		81	
2	**17**	18	**20**	34	**30**	50		66		82	
3	**50**	19	**1**	35	**25**	51		67		83	
4	**7**	20	**10**	36	**10**	52		68		84	
5	**0**	21	**6**	37		53		69		85	
6	**25**	22	**15**	38		54		70		86	
7	**25**	23	**45**	39		55		71		87	
8	**20**	24	**30**	40		56		72		88	
9	**20**	25	**17**	41		57		73		89	
10	**25**	26	**15**	42		58		74		90	
11	**12**	27	**20**	43		59		75		91	
12	**15**	28	**25**	44		60		76		92	
13	**16**	29	**10**	45		61		77		93	
14	**25**	30	**20**	46		62		78		94	
15	**26**	31	**17**	47		63		79		95	
16	**20**	32	**15**	48		64		80		96	
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**			
Total Catch Volume			**684**		Total Low Quarter			**63**			
Average Volume (V_{avg})			**19.00**		Average Low Quarter (V_{lq})			**7.00**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.37**						
	Average Volume (V_{avg})										

Project Name		**Las Acequias**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**2.00**			
See instructions below on clearing input area											
Test Area/Station				**2**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**55**	17	**13**	33	**34**	49		65		81	
2	**30**	18	**18**	34	**20**	50		66		82	
3	**12**	19	**30**	35	**32**	51		67		83	
4	**8**	20	**21**	36	**56**	52		68		84	
5	**25**	21	**25**	37		53		69		85	
6	**7**	22	**23**	38		54		70		86	
7	**30**	23	**25**	39		55		71		87	
8	**12**	24	**36**	40		56		72		88	
9	**3**	25	**35**	41		57		73		89	
10	**25**	26	**34**	42		58		74		90	
11	**18**	27	**25**	43		59		75		91	
12	**12**	28	**18**	44		60		76		92	
13	**20**	29	**18**	45		61		77		93	
14	**18**	30	**13**	46		62		78		94	
15	**22**	31	**33**	47		63		79		95	
16	**55**	32	**31**	48		64		80		96	
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**			
Total Catch Volume			**892**		Total Low Quarter			**98**			
Average Volume (V_{avg})			**24.78**		Average Low Quarter (V_{lq})			**10.89**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.44**						
	Average Volume (V_{avg})										

Project Name		**Macaione**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**1.00**	
See instructions below on clearing input area									
Test Area/Station				**1**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	110	17	140	33		49		65	
2	25	18	78	34		50		66	
3	50	19	80	35		51		67	
4	160	20	10	36		52		68	
5	230	21	58	37		53		69	
6	245	22	72	38		54		70	
7	110	23	125	39		55		71	
8	325	24	230	40		56		72	
9	250	25	70	41		57		73	
10	230	26	80	42		58		74	
11	130	27	50	43		59		75	
12	160	28	15	44		60		76	
13	160	29	32	45		61		77	
14	130	30	60	46		62		78	
15	145	31		47		63		79	
16	135	32		48		64		80	
Number Catch Devices			**30**		1/4 Number Catch Devices			**8**	
Total Catch Volume			**3695**		Total Low Quarter			**300**	
Average Volume (V_{avg})			**123.17**		Average Low Quarter (V_{lq})			**37.50**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.30**				
	Average Volume (V_{avg})								

Project Name		**Macaione**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**2.00**	
See instructions below on clearing input area									
Test Area/Station				**2**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	40	17	110	33		49		65	
2	58	18	90	34		50		66	
3	72	19	90	35		51		67	
4	72	20	80	36		52		68	
5	70	21	60	37		53		69	
6	130	22	30	38		54		70	
7	68	23	70	39		55		71	
8	125	24	60	40		56		72	
9	145	25	85	41		57		73	
10	105	26	100	42		58		74	
11	40	27	100	43		59		75	
12	70	28	120	44		60		76	
13	70	29	130	45		61		77	
14	30	30		46		62		78	
15	105	31		47		63		79	
16	140	32		48		64		80	
Number Catch Devices			**29**		1/4 Number Catch Devices			**8**	
Total Catch Volume			**2465**		Total Low Quarter			**386**	
Average Volume (V_{avg})			**85.00**		Average Low Quarter (V_{lq})			**48.25**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.57**				
	Average Volume (V_{avg})								

Project Name		**Macaione**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**3.00**		
See instructions below on clearing input area									
Test Area/Station				**3**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	70	17	90	33	70	49	60	65	
2	75	18	110	34	40	50	60	66	
3	90	19	25	35	40	51	70	67	
4	100	20	85	36	80	52	50	68	
5	110	21	75	37	65	53	50	69	
6	130	22	20	38	20	54	50	70	
7	20	23	70	39	25	55	50	71	
8	80	24	75	40	60	56	50	72	
9	100	25	95	41	80	57	50	73	
10	95	26	110	42	45	58	45	74	
11	90	27	90	43	60	59	40	75	
12	100	28	70	44	80	60	35	76	
13	110	29	70	45	60	61		77	
14	80	30	40	46	50	62		78	
15	70	31	50	47	30	63		79	
16	90	32	65	48	68	64		80	
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**	
Total Catch Volume			**4033**		Total Low Quarter			**525**	
Average Volume (V_{avg})			**67.22**		Average Low Quarter (V_{lq})			**35.00**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.52**				
	Average Volume (V_{avg})								

Project Name		**Macaione**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**4.00**		
See instructions below on clearing input area									
Test Area/Station				**4**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	60	17	60	33	50	49	35	65	
2	60	18	60	34	40	50	60	66	
3	60	19	30	35	50	51	60	67	
4	60	20	20	36	60	52	50	68	
5	20	21	30	37	80	53	20	69	
6	60	22	30	38	60	54	40	70	
7	60	23	40	39	50	55	30	71	
8	70	24	60	40	40	56	40	72	
9	60	25	50	41	60	57	55	73	
10	60	26	60	42	70	58	55	74	
11	40	27	80	43	70	59	40	75	
12	20	28	70	44	40	60	40	76	
13	10	29	80	45	30	61		77	
14	50	30	70	46	40	62		78	
15	40	31	60	47	50	63		79	
16	70	32	40	48	40	64		80	
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**	
Total Catch Volume			**2995**		Total Low Quarter			**435**	
Average Volume (V_{avg})			**49.92**		Average Low Quarter (V_{lq})			**29.00**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.58**				
	Average Volume (V_{avg})								

Project Name		**Macaione**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**5.00**		
See instructions below on clearing input area									
Test Area/Station				**5**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	60	17	30	33	60	49	60	65	
2	40	18	40	34	60	50	40	66	
3	60	19	40	35	70	51	30	67	
4	60	20	50	36	70	52	20	68	
5	30	21	60	37	60	53	60	69	
6	40	22	80	38	40	54	50	70	
7	40	23	70	39	40	55	50	71	
8	40	24	60	40	60	56	50	72	
9	50	25	50	41	40	57	60	73	
10	70	26	75	42	30	58	45	74	
11	60	27	60	43	40	59	20	75	
12	50	28	60	44	60	60	30	76	
13	60	29	60	45	80	61		77	
14	50	30	70	46	60	62		78	
15	40	31	60	47	60	63		79	
16	40	32	60	48	80	64		80	
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**	
Total Catch Volume			**3140**		Total Low Quarter			**510**	
Average Volume (V_{avg})			**52.33**		Average Low Quarter (V_{lq})			**34.00**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.65**				
	Average Volume (V_{avg})								

Project Name		**Macaione**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**6.00**	
See instructions below on clearing input area									
Test Area/Station				**6**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	50	17	30	33	40	49		65	
2	40	18	20	34	75	50		66	
3	40	19	20	35	40	51		67	
4	30	20	20	36	20	52		68	
5	10	21	15	37	15	53		69	
6	10	22	20	38	40	54		70	
7	15	23	50	39	50	55		71	
8	15	24	80	40	30	56		72	
9	30	25	85	41	50	57		73	
10	40	26	60	42	100	58		74	
11	70	27	40	43	100	59		75	
12	60	28	80	44	80	60		76	
13	60	29	80	45	80	61		77	
14	60	30	80	46	70	62		78	
15	55	31	20	47	80	63		79	
16	50	32	60	48	80	64		80	
Number Catch Devices			**48**		1/4 Number Catch Devices			**12**	
Total Catch Volume			**2345**		Total Low Quarter			**200**	
Average Volume (V_{avg})			**48.85**		Average Low Quarter (V_{lq})			**16.67**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.34**				
	Average Volume (V_{avg})								

Project Name		**Macaione**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**7.00**	
See instructions below on clearing input area									
Test Area/Station				**7**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	155	17	100	33	55	49		65	
2	140	18	120	34	70	50		66	
3	100	19	140	35	80	51		67	
4	70	20	75	36	55	52		68	
5	60	21	60	37	55	53		69	
6	40	22	110	38	80	54		70	
7	40	23	125	39	80	55		71	
8	40	24	125	40	20	56		72	
9	30	25	100	41	100	57		73	
10	20	26	55	42	80	58		74	
11	25	27	40	43	40	59		75	
12	20	28	45	44	30	60		76	
13	40	29	40	45	40	61		77	
14	45	30	40	46	30	62		78	
15	0	31	60	47	48	63		79	
16	40	32	50	48	40	64		80	
Number Catch Devices			**48**		1/4 Number Catch Devices			**12**	
Total Catch Volume			**3053**		Total Low Quarter			**335**	
Average Volume (V_{avg})			**63.60**		Average Low Quarter (V_{lq})			**27.92**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.44**				
	Average Volume (V_{avg})								

DU = 48.5%

Project Name		**Milagros**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**1.00**			
See instructions below on clearing input area											
Test Area/Station				**1**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**27**	17	**50**	33	**7**	49		65		81	
2	**48**	18	**10**	34	**12**	50		66		82	
3	**14**	19	**15**	35	**3**	51		67		83	
4	**20**	20	**40**	36		52		68		84	
5	**27**	21	**15**	37		53		69		85	
6	**18**	22	**20**	38		54		70		86	
7	**20**	23	**15**	39		55		71		87	
8	**10**	24	**13**	40		56		72		88	
9	**10**	25	**28**	41		57		73		89	
10	**14**	26	**30**	42		58		74		90	
11	**6**	27	**5**	43		59		75		91	
12	**30**	28	**16**	44		60		76		92	
13	**45**	29	**15**	45		61		77		93	
14	**15**	30	**10**	46		62		78		94	
15	**18**	31	**26**	47		63		79		95	
16	**40**	32	**8**	48		64		80		96	
Number Catch Devices			**35**		1/4 Number Catch Devices			**9**			
Total Catch Volume			**700**		Total Low Quarter			**69**			
Average Volume (V_{avg})			**20.00**		Average Low Quarter (V_{lq})			**7.67**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.38**						
	Average Volume (V_{avg})										

Project Name		**Monica Lucero**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**1.00**		
See instructions below on clearing input area									
Test Area/Station				**1**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	35	17	30	33	40	49		65	
2	40	18	35	34	45	50		66	
3	35	19	40	35	40	51		67	
4	40	20	50	36	30	52		68	
5	50	21	40	37		53		69	
6	45	22	30	38		54		70	
7	30	23	35	39		55		71	
8	35	24	35	40		56		72	
9	40	25	35	41		57		73	
10	45	26	50	42		58		74	
11	45	27	50	43		59		75	
12	40	28	50	44		60		76	
13	30	29	50	45		61		77	
14	35	30	35	46		62		78	
15	35	31	40	47		63		79	
16	25	32	40	48		64		80	
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**	
Total Catch Volume			**1405**		Total Low Quarter			**280**	
Average Volume (V_{avg})			**39.03**		Average Low Quarter (V_{lq})			**31.11**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.80**				
	Average Volume (V_{avg})								

DU = 80%

Project Name		**Nava Ade**			Date			**June 18, 2015**		
Address					Auditor			**Sam**		
City, State					Area/Zone/Station			**1.00**		
See instructions below on clearing input area										
Test Area/Station				**1**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	20	17	60	33	100	49		65		81
2	110	18	125	34	115	50		66		82
3	95	19	130	35	130	51		67		83
4	95	20	190	36	85	52		68		84
5	95	21	80	37	120	53		69		85
6	160	22	55	38	170	54		70		86
7	130	23	150	39	110	55		71		87
8	110	24	90	40	50	56		72		88
9	65	25	125	41		57		73		89
10	95	26	75	42		58		74		90
11	85	27	110	43		59		75		91
12	60	28	100	44		60		76		92
13	30	29	45	45		61		77		93
14	95	30	25	46		62		78		94
15	50	31	180	47		63		79		95
16	80	32	130	48		64		80		96
Number Catch Devices			**40**		1/4 Number Catch Devices			**10**		
Total Catch Volume			**3925**		Total Low Quarter			**460**		
Average Volume (V_{avg})			**98.13**		Average Low Quarter (V_{lq})			**46.00**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.47**					
	Average Volume (V_{avg})									

Project Name		**Nava Ade**			Date		**June 18, 2015**			
Address					Auditor		**Sam**			
City, State					Area/Zone/Station		**2.00**			
See instructions below on clearing input area										
Test Area/Station				**2**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	40	17	20	33	25	49	40	65		81
2	50	18	15	34	15	50	35	66		82
3	40	19	10	35	15	51	20	67		83
4	40	20	20	36	15	52	30	68		84
5	30	21	5	37	20	53	40	69		85
6	35	22	80	38	15	54	20	70		86
7	10	23	40	39	25	55	35	71		87
8	30	24	25	40	25	56	61	72		88
9	25	25	10	41	30	57	50	73		89
10	30	26	40	42	15	58	50	74		90
11	30	27	25	43	15	59	50	75		91
12	10	28	35	44	20	60	40	76		92
13	20	29	35	45	15	61		77		93
14	40	30	10	46	80	62		78		94
15	25	31	30	47	35	63		79		95
16	65	32	25	48	45	64		80		96
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**		
Total Catch Volume			**1826**		Total Low Quarter			**195**		
Average Volume (V_{avg})			**30.43**		Average Low Quarter (V_{lq})			**13.00**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.43**					
	Average Volume (V_{avg})									

DU = 47%

	Salvador Perez - Patio			Date		**Unknown**		
				Auditor		**Sam**		
				Area/Zone/Station		**1.00**		
			1					
				in^2	Test Run Time (t_R)			min
35	17	35	33	2	49	20	65	
150	18	80	34	40	50	40	66	
35	19	75	35	65	51	60	67	
40	20	100	36	45	52	65	68	
15	21	40	37	50	53		69	
125	22	35	38	30	54		70	
265	23	30	39	55	55		71	
10	24	20	40	70	56		72	
0	25	5	41	40	57		73	
0	26	1	42	40	58		74	
60	27	15	43	45	59		75	
40	28	25	44	85	60		76	
220	29	40	45	45	61		77	
5	30	25	46	50	62		78	
25	31	30	47	60	63		79	
100	32	10	48	40	64		80	
		52		1/4 Number Catch Devices			**13**	
		2638		Total Low Quarter			**128**	
		50.73		Average Low Quarter (V_{lq})			**9.85**	
Average Low Quarter (V_{lq})			=	**0.19**				
Average Volume (V_{avg})								

DU = 19%

Project Name		**Salvador Perez**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**1.00**		
See instructions below on clearing input area									
Test Area/Station				**1**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	50	17	80	33	80	49	70	65	
2	50	18	105	34	70	50	55	66	
3	50	19	80	35	70	51	80	67	
4	75	20	110	36	60	52	60	68	
5	95	21	85	37	45	53	70	69	
6	90	22	60	38	40	54	45	70	
7	90	23	45	39	65	55	70	71	
8	90	24	70	40	65	56	80	72	
9	65	25	85	41	50	57	70	73	
10	75	26	90	42	40	58	60	74	
11	55	27	65	43	40	59	65	75	
12	40	28	50	44	55	60	60	76	
13	70	29	50	45	65	61		77	
14	7	30	50	46	40	62		78	
15	45	31	55	47	40	63		79	
16	60	32	70	48	70	64		80	
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**	
Total Catch Volume			**3837**		Total Low Quarter			**627**	
Average Volume (V_{avg})			**63.95**		Average Low Quarter (V_{lq})			**41.80**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.65**				
	Average Volume (V_{avg})								

DU = 65%

Walk-Through Irrigation System Audit and Site Evaluation						
Site Name: SF River - #2						Contacts:
Site Address:						Phone #:
Surveyor: Sam		Time: Start____ Finish_ ___				Contacts:
Survey Date:		Catch Cup Date:				Phone #:
		Landscape (sq. ft):			Turf (sq. ft):	Shrubs (sq. ft):
Meter #'s	Begin Read	End Read	Backflow PSI		Comments:	
4713911	10912825	10913564	static	dynamic		
4713912		1021472	130	118		

Catch Cup Count	Zone	Head or Sprinkler Type and Location if needed	Head #	Test Time (min)	Head PSI on Zone	T=Slanted, C=Clogged, Bl=Blocked Spray, BS=Broken Stem, BH=Broken Head, BN=Broken Nozzle, CO=Cap Off, WS=Wrong Spacing, WA=Wrong Arc, RD=Radius Screw Down Too Far, RF=Runoff, OV= Overspray, LH= Low Head, LPSI=Low Pressure at Head, UP=Stuck Up, RTF= Rotation Too Fast, MH= Missing Head, BV= Broken Valve, NC= Nozzle Color, CNF= Can Not Find, NST=No Start Time, MPR= MP Rotator Nozzles/Heads Recommended for this area, RX=Remove turf for Xeriscape or Shrub Bed, **(Count number of Trees, Shrubs per Zone), Additional Notes as needed**
	1	**RN .50 GPM**	**60**	**20**		Target: 600 Gal 20 Trees
						Actual: 1156 Gal **193%**
	2	**RB .50 GPM**	**24**	**20**		Target: 240 Gal 8 trees
						Actual: 739 Gal **308%**
	3					
	4					
	5					

Project Name		**Torreon**			Date		**June 25, 2015**				
Address					Auditor		**Sam**				
City, State					Area/Zone/Station		**1.00**				
Test Area/Station				**1**							
Catch Device Volumes											
1	**4**	17	**20**	33	**20**	49		65	min		
2	**14**	18	**15**	34	**15**	50		66			
3	**15**	19	**25**	35	**15**	51		67		81	
4	**13**	20	**26**	36	**5**	52		68		82	
5	**25**	21	**26**	37		53		69		83	
6	**25**	22	**16**	38		54		70		84	
7	**40**	23	**15**	39		55		71		85	
8	**10**	24	**22**	40		56		72		86	
9	**14**	25	**17**	41		57		73		87	
10	**25**	26	**43**	42		58		74		88	
11	**14**	27	**7**	43		59		75		89	
12	**17**	28	**0**	44		60		76		90	
13	**15**	29	**15**	45		61		77		91	
14	**20**	30	**4**	46		62		78		92	
15	**25**	31	**4**	47		63		79		93	
16	**20**	32	**0**	48		64		80		94	
										95	
Number Catch Devices			**36**	1/4 Number Catch Devices			**9**			96	
Total Catch Volume			**606**	Total Low Quarter			**47**				
Average Volume (V_{avg})			**16.83**		Average Low Quarter (V_{lq})			**5.22**			
Calculate Distribution Uniformity											
DU_{LQ} =							Average Low Quarter (V_{lq})	=	0.31		
	Average Volume (V_{avg})										

Project Name		**Villa Linda**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**1.00**		
See instructions below on clearing input area									
Test Area/Station				**1**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	30	17	80	33	90	49	80	65	
2	25	18	105	34	65	50	100	66	
3	25	19	30	35	105	51	20	67	
4	5	20	0	36	35	52	40	68	
5	70	21	200	37	75	53	60	69	
6	35	22	115	38	95	54	80	70	
7	70	23	40	39	80	55	50	71	
8	40	24	20	40	90	56	60	72	
9	55	25	55	41	80	57	35	73	
10	35	26	75	42	110	58	75	74	
11	45	27	55	43	25	59	60	75	
12	60	28	75	44	45	60	30	76	
13	50	29	50	45	70	61		77	
14	110	30	50	46	60	62		78	
15	80	31	75	47	95	63		79	
16	80	32	85	48	115	64		80	
Number Catch Devices			**60**		1/4 Number Catch Devices			**15**	
Total Catch Volume			**3850**		Total Low Quarter			**390**	
Average Volume (V_{avg})			**64.17**		Average Low Quarter (V_{lq})			**26.00**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.41**				
	Average Volume (V_{avg})								

DU = 41%

Walk-Through Irrigation System Audit and Site Evaluation							
Site Name: SF River - Camino Alire to Feedbin						Contacts:	
Site Address: 1270 W ALAMEDA ST IRRIGATION						Phone #:	
Surveyor: Sam			Time: Start__11:00 AM__ Finish_2:30 PM___			Contacts:	
Survey Date: 06/23/2015		Catch Cup Date:				Phone #:	
		Landscape (sq. ft):				Turf (sq. ft):	Shrubs (sq. ft):
Meter #'s	Begin Read	End Read	Backflow PSI			Comments:	
9956523	638519	640193	static	dynamic		Point of connection to point of distribution is restricted due to improper pipe size for this long of a run. Pipe friction loss resulting in low volume and pressure.	
			128	50			

Catch Cup Count	Zone	Head or Sprinkler Type and Location if needed	Head #	Test Time (min)	Head PSI on Zone	T=Slanted, C=Clogged, Bl=Blocked Spray, BS=Broken Stem, BH=Broken Head, BN=Broken Nozzle, CO=Cap Off, WS=Wrong Spacing, WA=Wrong Arc, RD=Radius Screw Down Too Far, RF=Runoff, OV= Overspray, LH= Low Head, LPSI=Low Pressure at Head, UP=Stuck Up, RTF= Rotation Too Fast, MH= Missing Head, BV= Broken Valve, NC= Nozzle Color, CNF= Can Not Find, NST=No Start Time, MPR= MP Rotator Nozzles/Heads Recommended for this area, RX=Remove turf for Xeriscape or Shrub Bed, **(Count number of Trees, Shrubs per Zone), Additional Notes as needed**
	1	**Rain Bird .50 GPM Bubbler**	**22**	**20**		Target; 440 GAL 11 Trees
						Actual: 230 GAL 52%
	2	**Rain Bird .50 GPM Bubbler**				Target; 360 GAL 12 Trees
						Actual: 259 GAL 72%
	3	**Rain Bird .50 GPM Bubbler**				Target; 330 GAL 11 Trees
						Actual: 325 GAL 98%
	4	**Rain Bird .50 GPM Bubbler**				Target; 360 GAL 12 Trees
						Actual: 349 GAL 87%
	5					

Walk-Through Irrigation System Audit and Site Evaluation							
Site Name: Sunny Slope						Contacts:	
Site Address:						Phone #:	
Surveyor: Sam			Time: Start___ Finish_			Contacts:	
Survey Date: 06/23/2015		Catch Cup Date:				Phone #:	
		Landscape (sq. ft):				Turf (sq. ft):	Shrubs (sq. ft):
Meter #'s	Begin Read	End Read		Backflow PSI		Comments:	
	368149	368529		static	dynamic	Original install specified RB .50 GPM Bubblers. System is primarily Irritrol adjustable bubblers. Replace back to specifications with RB .50 GPM Bubblers. System needs new solenoids as currently some are non-functional.	
				125	20		
Catch Cup Count	Zone	Head or Sprinkler Type and Location if needed	Head #	Test Time (min)	Head PSI on Zone	T=Slanted, C=Clogged, Bl=Blocked Spray, BS=Broken Stem, BH=Broken Head, BN=Broken Nozzle, CO=Cap Off, WS=Wrong Spacing, WA=Wrong Arc, RD=Radius Screw Down Too Far, RF=Runoff, OV= Overspray, LH= Low Head, LPSI=Low Pressure at Head, UP=Stuck Up, RTF= Rotation Too Fast, MH= Missing Head, BV= Broken Valve, NC= Nozzle Color, CNF= Can Not Find, NST=No Start Time, MPR= MP Rotator Nozzles/Heads Recommended for this area, RX=Remove turf for Xeriscape or Shrub Bed, **(Count number of Trees, Shrubs per Zone), Additional Notes as needed**		
	1	**Irritrol & RB .50 GPM**	**24**	**20**		Target: 240 GPM	7 Trees
						Actual: 352 GPM	
	2	**Irritrol & RB .50 GPM**	**18**	**20**		Target: 180 GPM	6 Trees
						Actual: 380 GPM	
	3						

Project Name		**Amelia White**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**1.00**			
See instructions below on clearing input area											
Test Area/Station				**1**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**25**	17		33		49		65		81	
2	**45**	18		34		50		66		82	
3	**70**	19		35		51		67		83	
4	**80**	20		36		52		68		84	
5	**45**	21		37		53		69		85	
6	**50**	22		38		54		70		86	
7	**55**	23		39		55		71		87	
8	**40**	24		40		56		72		88	
9	**25**	25		41		57		73		89	
10	**25**	26		42		58		74		90	
11	**25**	27		43		59		75		91	
12	**30**	28		44		60		76		92	
13	**15**	29		45		61		77		93	
14	**25**	30		46		62		78		94	
15	**25**	31		47		63		79		95	
16	**25**	32		48		64		80		96	
Number Catch Devices			**16**		1/4 Number Catch Devices			**4**			
Total Catch Volume			**605**		Total Low Quarter			**90**			
Average Volume (V_{avg})			**37.81**		Average Low Quarter (V_{lq})			**22.50**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.60**						
	Average Volume (V_{avg})										

Project Name		**Amelia White**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**2.00**			
See instructions below on clearing input area											
Test Area/Station				**2**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**25**	17		33		49		65		81	
2	**30**	18		34		50		66		82	
3	**15**	19		35		51		67		83	
4	**20**	20		36		52		68		84	
5	**15**	21		37		53		69		85	
6	**10**	22		38		54		70		86	
7	**10**	23		39		55		71		87	
8	**20**	24		40		56		72		88	
9	**20**	25		41		57		73		89	
10	**5**	26		42		58		74		90	
11	**25**	27		43		59		75		91	
12	**15**	28		44		60		76		92	
13	**5**	29		45		61		77		93	
14	**5**	30		46		62		78		94	
15	**10**	31		47		63		79		95	
16	**20**	32		48		64		80		96	
Number Catch Devices			**16**		1/4 Number Catch Devices			**4**			
Total Catch Volume			**250**		Total Low Quarter			**25**			
Average Volume (V_{avg})			**15.63**		Average Low Quarter (V_{lq})			**6.25**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.40**						
	Average Volume (V_{avg})										

Project Name		**Amelia White**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**2.00**			
See instructions below on clearing input area											
Test Area/Station				**2**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**10**	17	**10**	33		49		65		81	
2	**10**	18	**10**	34		50		66		82	
3	**15**	19	**5**	35		51		67		83	
4	**30**	20	**15**	36		52		68		84	
5	**85**	21	**25**	37		53		69		85	
6	**30**	22	**30**	38		54		70		86	
7	**25**	23		39		55		71		87	
8	**45**	24		40		56		72		88	
9	**35**	25		41		57		73		89	
10	**25**	26		42		58		74		90	
11	**25**	27		43		59		75		91	
12	**20**	28		44		60		76		92	
13	**15**	29		45		61		77		93	
14	**15**	30		46		62		78		94	
15	**15**	31		47		63		79		95	
16	**15**	32		48		64		80		96	
Number Catch Devices			**22**		1/4 Number Catch Devices			**6**			
Total Catch Volume			**510**		Total Low Quarter			**60**			
Average Volume (V_{avg})			**23.18**		Average Low Quarter (V_{lq})			**10.00**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.43**						
	Average Volume (V_{avg})										

Project Name		**Amelia White**			Date			**June 25, 2015**			
Address					Auditor			**Sam**			
City, State					Area/Zone/Station			**2.00**			
See instructions below on clearing input area											
Test Area/Station				**2**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	**20**	17	**10**	33		49		65		81	
2	**25**	18	**10**	34		50		66		82	
3	**10**	19	**5**	35		51		67		83	
4	**15**	20	**20**	36		52		68		84	
5	**10**	21		37		53		69		85	
6	**10**	22		38		54		70		86	
7	**15**	23		39		55		71		87	
8	**10**	24		40		56		72		88	
9	**5**	25		41		57		73		89	
10	**10**	26		42		58		74		90	
11	**25**	27		43		59		75		91	
12	**15**	28		44		60		76		92	
13	**15**	29		45		61		77		93	
14	**5**	30		46		62		78		94	
15	**15**	31		47		63		79		95	
16	**20**	32		48		64		80		96	
Number Catch Devices			**20**		1/4 Number Catch Devices			**5**			
Total Catch Volume			**270**		Total Low Quarter			**35**			
Average Volume (V_{avg})			**13.50**		Average Low Quarter (V_{lq})			**7.00**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.52**						
	Average Volume (V_{avg})										

DU = 48.75%

Walk-Through Irrigation System Audit and Site Evaluation							
Site Name: Amelia White - bubbler zones							Contacts:
Site Address:							Phone #:
Surveyor:			Time: Start_____ Finish_____				Contacts:
Survey Date:		Catch Cup Date:					Phone #:
		Landscape (sq. ft):				Turf (sq. ft):	Shrubs (sq. ft):
Meter #'s	Begin Read	End Read		Backflow PSI		Comments:	
	14820300	14825050		static	dynamic	Bubbler zones were orginally installed with RB .50 GPM heads. Since installation some adjustable Irritrol bubbler heads have been installed. The system is now a mix of RB and Irritrol heads resulting in non-uniform application of water. Recommendation is that zones be restored to orginal specifications to improve DU. On average zones are applying 113% of design water with one system as low as 61% of design water.	

Catch Cup Count	Zone	Head or Sprinkler Type and Location if needed	Head #	Test Time (min)	Head PSI on Zone	T=Slanted, C=Clogged, Bl=Blocked Spray, BS=Broken Stem, BH=Broken Head, BN=Broken Nozzle, CO=Cap Off, WS=Wrong Spacing, WA=Wrong Arc, RD=Radius Screw Down Too Far, RF=Runoff, OV= Overspray, LH= Low Head, LPSI=Low Pressure at Head, UP=Stuck Up, RTF= Rotation Too Fast, MH= Missing Head, BV= Broken Valve, NC= Nozzle Color, CNF= Can Not Find, NST=No Start Time, MPR= MP Rotator Nozzles/Heads Recommended for this area, RX=Remove turf for Xeriscape or Shrub Bed, **(Count number of Trees, Shrubs per Zone), Additional Notes as needed**
	5	Rain Bird .50 GPM Bubbler	62	10		Target: 310 Gal
						Actual : 212 Gal 68%
	6	Rain Bird .50 GPM Bubbler	120	10		Target: 600 Gal
						Actual : 690 Gal 115%
	7	Rain Bird .50 GPM Bubbler	33	10		Target: 165 Gal
						Actual : 355 Gal 203%
	8	Rain Bird .50 GPM Bubbler	110	10		Target: 550 Gal
		-	-	-		Actual : 635 Gal 115%
	9	Rain Bird .50 GPM Bubbler	110	10		Target: 550 Gal
						Actual : 330 Gal 61%
	10	Rain Bird .50 GPM Bubbler	95	10		Target: 475 Gal
						Actual : 932 Gal 196%
	11	Rain Bird .50 GPM Bubbler	57	10		Target: 285 Gal
						Actual : 200 Gal 70%
	12	Rain Bird .50 GPM Bubbler	113	10		Target: 565 Gal
						Actual : 450 Gal 80%

Project Name		**Ashbaugh**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**1.00**		
See instructions below on clearing input area									
Test Area/Station				**1**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	40	17	45	33	25	49	30	65	
2	30	18	35	34	30	50	30	66	
3	20	19	40	35	30	51	45	67	
4	135	20	30	36	35	52	45	68	
5	90	21	40	37	35	53	50	69	
6	25	22	30	38	30	54	25	70	
7	40	23	40	39	30	55		71	
8	40	24	40	40	30	56		72	
9	50	25	45	41	20	57		73	
10	50	26	45	42	25	58		74	
11	50	27	40	43	30	59		75	
12	30	28	40	44	20	60		76	
13	30	29	45	45	25	61		77	
14	35	30	35	46	30	62		78	
15	25	31	35	47	30	63		79	
16	35	32	35	48	25	64		80	
Number Catch Devices			**54**		1/4 Number Catch Devices			**14**	
Total Catch Volume			**2020**		Total Low Quarter			**355**	
Average Volume (V_{avg})			**37.41**		Average Low Quarter (V_{lq})			**25.36**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.68**				
	Average Volume (V_{avg})								

Project Name		**Ashbaugh**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**2.00**		
See instructions below on clearing input area									
Test Area/Station				**2**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	15	17	30	33	40	49	40	65	
2	20	18	45	34	30	50	35	66	
3	35	19	35	35	35	51	30	67	
4	25	20	40	36	30	52	30	68	
5	30	21	40	37	30	53		69	
6	45	22	50	38	45	54		70	
7	50	23	55	39	25	55		71	
8	25	24	35	40	25	56		72	
9	25	25	40	41	40	57		73	
10	40	26	25	42	40	58		74	
11	15	27	30	43	40	59		75	
12	20	28	15	44	30	60		76	
13	25	29	1	45	25	61		77	
14	30	30	25	46	25	62		78	
15	25	31	45	47	35	63		79	
16	30	32	45	48	40	64		80	
Number Catch Devices			**52**		1/4 Number Catch Devices			**13**	
Total Catch Volume			**1681**		Total Low Quarter			**261**	
Average Volume (V_{avg})			**32.33**		Average Low Quarter (V_{lq})			**20.08**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.62**				
	Average Volume (V_{avg})								

Project Name		**Ashbaugh**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**3.00**		
See instructions below on clearing input area									
Test Area/Station				**3**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	10	17	40	33	35	49	40	65	
2	35	18	25	34	35	50	35	66	
3	25	19	25	35	25	51	30	67	
4	30	20	30	36	40	52	20	68	
5	25	21	25	37	35	53		69	
6	30	22	30	38	40	54		70	
7	30	23	40	39	40	55		71	
8	25	24	20	40	40	56		72	
9	25	25	30	41	35	57		73	
10	25	26	35	42	30	58		74	
11	40	27	55	43	30	59		75	
12	35	28	30	44	35	60		76	
13	30	29	35	45	35	61		77	
14	25	30	30	46	30	62		78	
15	20	31	25	47	30	63		79	
16	45	32	30	48	25	64		80	
Number Catch Devices			**52**		1/4 Number Catch Devices			**13**	
Total Catch Volume			**1625**		Total Low Quarter			**295**	
Average Volume (V_{avg})			**31.25**		Average Low Quarter (V_{lq})			**22.69**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.73**				
	Average Volume (V_{avg})								

Project Name		**Ashbaugh**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**4.00**		
See instructions below on clearing input area									
Test Area/Station				**4**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	25	17	15	33	40	49	30	65	
2	20	18	25	34	30	50	25	66	
3	20	19	45	35	25	51	25	67	
4	40	20	25	36	40	52	20	68	
5	30	21	25	37	35	53		69	
6	25	22	20	38	40	54		70	
7	20	23	15	39	40	55		71	
8	30	24	15	40	40	56		72	
9	30	25	30	41	20	57		73	
10	30	26	20	42	40	58		74	
11	20	27	30	43	15	59		75	
12	20	28	35	44	10	60		76	
13	35	29	20	45	10	61		77	
14	20	30	30	46	20	62		78	
15	35	31	40	47	30	63		79	
16	30	32	45	48	20	64		80	
Number Catch Devices			**52**		1/4 Number Catch Devices			**13**	
Total Catch Volume			**1420**		Total Low Quarter			**220**	
Average Volume (V_{avg})			**27.31**		Average Low Quarter (V_{lq})			**16.92**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.62**				
	Average Volume (V_{avg})								

Project Name		**Ashbaugh**			Date		**Unknown**		
Address					Auditor		**Sam**		
City, State					Area/Zone/Station		**5.00**		
See instructions below on clearing input area									
Test Area/Station				**5**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	20	17	20	33	35	49	40	65	
2	45	18	20	34	30	50	40	66	
3	40	19	20	35	40	51	30	67	
4	30	20	30	36	20	52	30	68	
5	40	21	45	37	40	53		69	
6	30	22	40	38	30	54		70	
7	35	23	25	39	25	55		71	
8	40	24	35	40	30	56		72	
9	35	25	40	41	40	57		73	
10	20	26	15	42	30	58		74	
11	20	27	15	43	40	59		75	
12	30	28	15	44	12	60		76	
13	35	29	25	45	15	61		77	
14	20	30	25	46	30	62		78	
15	40	31	40	47	40	63		79	
16	45	32	30	48	40	64		80	
Number Catch Devices			**52**		1/4 Number Catch Devices			**13**	
Total Catch Volume			**1602**		Total Low Quarter			**232**	
Average Volume (V_{avg})			**30.81**		Average Low Quarter (V_{lq})			**17.85**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.58**				
	Average Volume (V_{avg})								

Project Name		**Ashbaugh**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**6.00**	
See instructions below on clearing input area									
Test Area/Station				**6**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	25	17	15	33	30	49		65	
2	25	18	20	34	25	50		66	
3	20	19	40	35	25	51		67	
4	30	20	40	36	20	52		68	
5	40	21	40	37		53		69	
6	30	22	30	38		54		70	
7	20	23	40	39		55		71	
8	30	24	35	40		56		72	
9	20	25	30	41		57		73	
10	25	26	30	42		58		74	
11	45	27	20	43		59		75	
12	30	28	28	44		60		76	
13	30	29	35	45		61		77	
14	40	30	20	46		62		78	
15	35	31	25	47		63		79	
16	30	32	45	48		64		80	
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**	
Total Catch Volume			**1068**		Total Low Quarter			**180**	
Average Volume (V_{avg})			**29.67**		Average Low Quarter (V_{lq})			**20.00**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.67**				
	Average Volume (V_{avg})								

Project Name		**Ashbaugh**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**7.00**	
See instructions below on clearing input area									
Test Area/Station				**7**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	40	17	30	33	45	49		65	
2	30	18	35	34	40	50		66	
3	30	19	25	35	40	51		67	
4	40	20	60	36	30	52		68	
5	45	21	40	37		53		69	
6	35	22	50	38		54		70	
7	30	23	40	39		55		71	
8	30	24	35	40		56		72	
9	30	25	35	41		57		73	
10	25	26	35	42		58		74	
11	40	27	30	43		59		75	
12	40	28	30	44		60		76	
13	40	29	40	45		61		77	
14	40	30	40	46		62		78	
15	40	31	35	47		63		79	
16	35	32	45	48		64		80	
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**	
Total Catch Volume			**1330**		Total Low Quarter			**260**	
Average Volume (V_{avg})			**36.94**		Average Low Quarter (V_{lq})			**28.89**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.78**				
	Average Volume (V_{avg})								

Project Name		**Ashbaugh**			Date			**Unknown**		
Address					Auditor			**Sam**		
City, State					Area/Zone/Station			**8.00**		
See instructions below on clearing input area										
Test Area/Station				**8**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	30	17	50	33	45	49		65		81
2	45	18	50	34	40	50		66		82
3	45	19	30	35	40	51		67		83
4	45	20	65	36	35	52		68		84
5	50	21	55	37		53		69		85
6	45	22	50	38		54		70		86
7	40	23	55	39		55		71		87
8	40	24	50	40		56		72		88
9	20	25	40	41		57		73		89
10	15	26	50	42		58		74		90
11	30	27	35	43		59		75		91
12	35	28	20	44		60		76		92
13	40	29	10	45		61		77		93
14	40	30	20	46		62		78		94
15	45	31	45	47		63		79		95
16	50	32	35	48		64		80		96
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**		
Total Catch Volume			**1435**		Total Low Quarter			**210**		
Average Volume (V_{avg})			**39.86**		Average Low Quarter (V_{lq})			**23.33**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.59**					
	Average Volume (V_{avg})									

Project Name		**Ashbaugh**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**9.00**	
See instructions below on clearing input area									
Test Area/Station				**9**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	15	17	35	33	50	49		65	
2	15	18	50	34	60	50		66	
3	15	19	60	35	60	51		67	
4	30	20	80	36	45	52		68	
5	60	21	50	37	45	53		69	
6	60	22	50	38	35	54		70	
7	40	23	50	39	35	55		71	
8	35	24	65	40	25	56		72	
9	45	25	45	41	25	57		73	
10	60	26	60	42	35	58		74	
11	50	27	65	43	35	59		75	
12	60	28	75	44	25	60		76	
13	60	29	40	45	30	61		77	
14	60	30	50	46	25	62		78	
15	45	31	60	47		63		79	
16	40	32	50	48		64		80	
Number Catch Devices			**46**		1/4 Number Catch Devices			**12**	
Total Catch Volume			**2105**		Total Low Quarter			**310**	
Average Volume (V_{avg})			**45.76**		Average Low Quarter (V_{lq})			**25.83**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.56**				
	Average Volume (V_{avg})								

DU = 64%

Project Name		**Calle Lorca**			Date			**June 22, 2015**		
Address					Auditor					
City, State					Area/Zone/Station					
See instructions below on clearing input area										
Test Area/Station				**0**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	50	17	25	33	35	49		65		81
2	70	18	55	34		50		66		82
3	75	19	75	35		51		67		83
4	70	20	60	36		52		68		84
5	55	21	60	37		53		69		85
6	45	22	50	38		54		70		86
7	30	23	30	39		55		71		87
8	50	24	45	40		56		72		88
9	60	25	35	41		57		73		89
10	60	26	25	42		58		74		90
11	75	27	25	43		59		75		91
12	50	28	20	44		60		76		92
13	55	29	10	45		61		77		93
14	45	30	10	46		62		78		94
15	60	31	60	47		63		79		95
16	20	32	55	48		64		80		96
Number Catch Devices			**33**		1/4 Number Catch Devices			**9**		
Total Catch Volume			**1545**		Total Low Quarter			**195**		
Average Volume (V_{avg})			**46.82**		Average Low Quarter (V_{lq})			**21.67**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.46**					
	Average Volume (V_{avg})									

Project Name		**Calle Lorca**			Date			**June 22, 2015**		
Address					Auditor					
City, State					Area/Zone/Station			**2.00**		
See instructions below on clearing input area										
Test Area/Station				**2**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	30	17	35	33		49		65		81
2	35	18	35	34		50		66		82
3	35	19	25	35		51		67		83
4	30	20	30	36		52		68		84
5	15	21		37		53		69		85
6	35	22		38		54		70		86
7	30	23		39		55		71		87
8	35	24		40		56		72		88
9	35	25		41		57		73		89
10	35	26		42		58		74		90
11	30	27		43		59		75		91
12	15	28		44		60		76		92
13	15	29		45		61		77		93
14	40	30		46		62		78		94
15	30	31		47		63		79		95
16	20	32		48		64		80		96
Number Catch Devices			**20**		1/4 Number Catch Devices			**5**		
Total Catch Volume			**590**		Total Low Quarter			**90**		
Average Volume (V_{avg})			**29.50**		Average Low Quarter (V_{lq})			**18.00**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.61**					
	Average Volume (V_{avg})									

Project Name		**Calle Lorca**			Date			**June 22, 2015**		
Address					Auditor					
City, State					Area/Zone/Station			**3.00**		
See instructions below on clearing input area										
Test Area/Station				**3**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	30	17	15	33		49		65		81
2	20	18	15	34		50		66		82
3	20	19	10	35		51		67		83
4	15	20	15	36		52		68		84
5	30	21	25	37		53		69		85
6	30	22	40	38		54		70		86
7	25	23	10	39		55		71		87
8	25	24	15	40		56		72		88
9	20	25		41		57		73		89
10	5	26		42		58		74		90
11	25	27		43		59		75		91
12	20	28		44		60		76		92
13	30	29		45		61		77		93
14	30	30		46		62		78		94
15	20	31		47		63		79		95
16	15	32		48		64		80		96
Number Catch Devices			**24**		1/4 Number Catch Devices			**6**		
Total Catch Volume			**505**		Total Low Quarter			**70**		
Average Volume (V_{avg})			**21.04**		Average Low Quarter (V_{lq})			**11.67**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.55**					
	Average Volume (V_{avg})									

Project Name		**Calle Lorca**			Date			**June 22, 2015**			
Address					Auditor						
City, State					Area/Zone/Station			**4.00**			
See instructions below on clearing input area											
Test Area/Station				**4**							
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min		
Catch Device Volumes											
1	25	17	50	33	80	49		65		81	
2	15	18	45	34	110	50		66		82	
3	20	19	35	35	100	51		67		83	
4	25	20	15	36	20	52		68		84	
5	20	21	15	37		53		69		85	
6	7	22	20	38		54		70		86	
7	3	23	25	39		55		71		87	
8	20	24	25	40		56		72		88	
9	35	25	30	41		57		73		89	
10	25	26	25	42		58		74		90	
11	45	27	15	43		59		75		91	
12	50	28	15	44		60		76		92	
13	55	29	20	45		61		77		93	
14	100	30	25	46		62		78		94	
15	90	31	40	47		63		79		95	
16	85	32	30	48		64		80		96	
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**			
Total Catch Volume			**1360**		Total Low Quarter			**125**			
Average Volume (V_{avg})			**37.78**		Average Low Quarter (V_{lq})			**13.89**			
Calculate Distribution Uniformity											
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.37**						
	Average Volume (V_{avg})										

Address		Auditor	
City, State		Area/Zone/Station	

See instructions below on clearing input area

Test Area/Station				5		
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)
Catch Device Volumes						
1	30	17	25	33	20	49
2	35	18	60	34	25	50
3	20	19	55	35	25	51
4	25	20	75	36	30	52
5	30	21	50	37		53
6	40	22	45	38		54
7	50	23	30	39		55
8	50	24	30	40		56
9	35	25	30	41		57
10	25	26	30	42		58
11	30	27	25	43		59
12	30	28	35	44		60
13	40	29	25	45		61
14	30	30	25	46		62
15	90	31	20	47		63
16	55	32	25	48		64

Number Catch Devices			**36**	1/4 Number Catch Devices	
Total Catch Volume			**1300**	Total Low Quarter	
Average Volume (V_{avg})			**36.11**	Average Low Quarter (V_{lq})	

Calculate Distribution Uniformity

$$DU_{LQ} = \frac{\text{Average Low Quarter } (V_{lq})}{\text{Average Volume } (V_{avg})} = \mathbf{0.65}$$

Project Name		**Calle Lorca**			Date			**June 22, 2015**		
Address					Auditor					
City, State					Area/Zone/Station			**6.00**		
See instructions below on clearing input area										
Test Area/Station				**6**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	10	17	25	33		49		65		81
2	15	18	20	34		50		66		82
3	20	19	15	35		51		67		83
4	20	20	7	36		52		68		84
5	25	21	15	37		53		69		85
6	15	22	15	38		54		70		86
7	15	23	20	39		55		71		87
8	10	24	20	40		56		72		88
9	15	25	20	41		57		73		89
10	10	26	20	42		58		74		90
11	15	27	25	43		59		75		91
12	25	28	25	44		60		76		92
13	15	29	20	45		61		77		93
14	20	30	20	46		62		78		94
15	25	31	20	47		63		79		95
16	20	32	25	48		64		80		96
Number Catch Devices			**32**		1/4 Number Catch Devices			**8**		
Total Catch Volume			**587**		Total Low Quarter			**97**		
Average Volume (V_{avg})			**18.34**		Average Low Quarter (V_{lq})			**12.13**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.66**					
	Average Volume (V_{avg})									

Project Name		**Calle Lorca**			Date			**June 22, 2015**		
Address					Auditor					
City, State					Area/Zone/Station			**7.00**		
See instructions below on clearing input area										
Test Area/Station				**7**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	15	17	15	33		49		65		81
2	20	18	20	34		50		66		82
3	15	19	30	35		51		67		83
4	15	20	25	36		52		68		84
5	15	21	30	37		53		69		85
6	15	22	45	38		54		70		86
7	10	23	30	39		55		71		87
8	10	24	20	40		56		72		88
9	10	25	20	41		57		73		89
10	10	26	20	42		58		74		90
11	35	27	25	43		59		75		91
12	40	28	30	44		60		76		92
13	15	29	25	45		61		77		93
14	20	30	20	46		62		78		94
15	25	31	25	47		63		79		95
16	15	32	25	48		64		80		96
Number Catch Devices			**32**		1/4 Number Catch Devices			**8**		
Total Catch Volume			**690**		Total Low Quarter			**100**		
Average Volume (V_{avg})			**21.56**		Average Low Quarter (V_{lq})			**12.50**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.58**					
	Average Volume (V_{avg})									

Project Name		**Calle Lorca**			Date			**June 22, 2015**		
Address					Auditor					
City, State					Area/Zone/Station			**8.00**		
See instructions below on clearing input area										
Test Area/Station				**8**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	65	17	30	33	30	49		65		81
2	55	18	10	34	30	50		66		82
3	55	19	15	35	25	51		67		83
4	50	20	15	36	45	52		68		84
5	45	21	20	37		53		69		85
6	30	22	15	38		54		70		86
7	20	23	20	39		55		71		87
8	30	24	20	40		56		72		88
9	25	25	20	41		57		73		89
10	20	26	35	42		58		74		90
11	20	27	40	43		59		75		91
12	20	28	40	44		60		76		92
13	25	29	35	45		61		77		93
14	40	30	20	46		62		78		94
15	40	31	15	47		63		79		95
16	45	32	25	48		64		80		96
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**		
Total Catch Volume			**1090**		Total Low Quarter			**150**		
Average Volume (V_{avg})			**30.28**		Average Low Quarter (V_{lq})			**16.67**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.55**					
	Average Volume (V_{avg})									

Project Name		**Calle Lorca**			Date			**June 22, 2015**		
Address					Auditor					
City, State					Area/Zone/Station			**9.00**		
See instructions below on clearing input area										
Test Area/Station				**9**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	50	17	20	33		49		65		81
2	25	18	30	34		50		66		82
3	20	19	50	35		51		67		83
4	30	20	50	36		52		68		84
5	45	21	35	37		53		69		85
6	25	22	30	38		54		70		86
7	35	23	20	39		55		71		87
8	30	24	20	40		56		72		88
9	35	25	30	41		57		73		89
10	20	26	50	42		58		74		90
11	20	27		43		59		75		91
12	30	28		44		60		76		92
13	22	29		45		61		77		93
14	25	30		46		62		78		94
15	25	31		47		63		79		95
16	20	32		48		64		80		96
Number Catch Devices			**26**		1/4 Number Catch Devices			**7**		
Total Catch Volume			**792**		Total Low Quarter			**140**		
Average Volume (V_{avg})			**30.46**		Average Low Quarter (V_{lq})			**20.00**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.66**					
	Average Volume (V_{avg})									

Project Name		**Calle Lorca**			Date			**June 22, 2015**		
Address					Auditor					
City, State					Area/Zone/Station			**10.00**		
See instructions below on clearing input area										
Test Area/Station				**10**						
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min	
Catch Device Volumes										
1	30	17	35	33	40	49		65		81
2	40	18	25	34	30	50		66		82
3	35	19	35	35	30	51		67		83
4	35	20	30	36	25	52		68		84
5	25	21	40	37		53		69		85
6	30	22	25	38		54		70		86
7	45	23	20	39		55		71		87
8	40	24	25	40		56		72		88
9	40	25	20	41		57		73		89
10	45	26	25	42		58		74		90
11	40	27	20	43		59		75		91
12	30	28	25	44		60		76		92
13	20	29	30	45		61		77		93
14	25	30	35	46		62		78		94
15	30	31	25	47		63		79		95
16	30	32	30	48		64		80		96
Number Catch Devices			**36**		1/4 Number Catch Devices			**9**		
Total Catch Volume			**1110**		Total Low Quarter			**205**		
Average Volume (V_{avg})			**30.83**		Average Low Quarter (V_{lq})			**22.78**		
Calculate Distribution Uniformity										
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.74**					
	Average Volume (V_{avg})									

Walk-Through Irrigation System Audit and Site Evaluation						
Site Name: Candelero						Contacts:
Site Address:						Phone #:
Surveyor:			Time: Start_____ Finish_____			Contacts:
Survey Date:		Catch Cup Date:				Phone #:
		Landscape (sq. ft):			Turf (sq. ft):	Shrubs (sq. ft):
Meter #'s	Begin Read	End Read	Backflow PSI		Comments:	
	1535172	1535272	static	dynamic	**Difference showing between Static and Dynamic pressures indicates improperly sized lateral lines / Friction loss / Long lateral runs.**	
	1535272	1535366	80	45	**Difference showing between Static and Dynamic pressures indicates improperly sized lateral lines / Friction loss / Long lateral runs.**	

Catch Cup Count	Zone	Head or Sprinkler Type and Location if needed	Head #	Test Time (min)	Head PSI on Zone	T=Slanted, C=Clogged, Bl=Blocked Spray, BS=Broken Stem, BH=Broken Head, BN=Broken Nozzle, CO=Cap Off, WS=Wrong Spacing, WA=Wrong Arc, RD=Radius Screw Down Too Far, RF=Runoff, OV= Overspray, LH= Low Head, LPSI=Low Pressure at Head, UP=Stuck Up, RTF= Rotation Too Fast, MH= Missing Head, BV= Broken Valve, NC= Nozzle Color, CNF= Can Not Find, NST=No Start Time, MPR= MP Rotator Nozzles/Heads Recommended for this area, RX=Remove turf for Xeriscape or Shrub Bed, **(Count number of Trees, Shrubs per Zone), Additional Notes as needed**
	1	**Rain Bird .25 GPM bubbler**	**28**	**15**	n/a	Target = (7 GPM * 15 Min) = 105 Gallons 14 Trees
						Actual = (6.666 GPM * 15 Min) = 100 gallons 95% of Target
	2	**Rain Bird .25 GPM bubbler**	**28**	**15**	n/a	Target = (7 GPM * 15 Min) = 105 Gallons 14 Trees
						Actual = (6.266 GPM * 15 Min) = 94 gallons 90% of Target

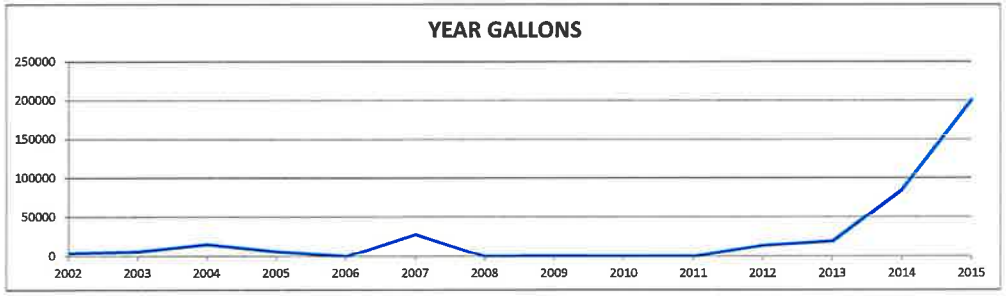
Project Name		**Cielo Vista**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**1.00**	
See instructions below on clearing input area									
Test Area/Station				**1**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	20	17	55	33	30	49		65	
2	40	18	50	34	75	50		66	
3	25	19	55	35	70	51		67	
4	20	20	65	36	70	52		68	
5	20	21	25	37	70	53		69	
6	25	22	25	38	25	54		70	
7	25	23	65	39	10	55		71	
8	20	24	70	40	20	56		72	
9	20	25	40	41	30	57		73	
10	10	26	55	42	30	58		74	
11	25	27	60	43	20	59		75	
12	25	28	25	44	25	60		76	
13	65	29	15	45	25	61		77	
14	40	30	55	46	30	62		78	
15	65	31	15	47	40	63		79	
16	60	32	25	48		64		80	
Number Catch Devices			**47**		1/4 Number Catch Devices			**12**	
Total Catch Volume			**1775**		Total Low Quarter			**215**	
Average Volume (V_{avg})			**37.77**		Average Low Quarter (V_{lq})			**17.92**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.47**				
	Average Volume (V_{avg})								

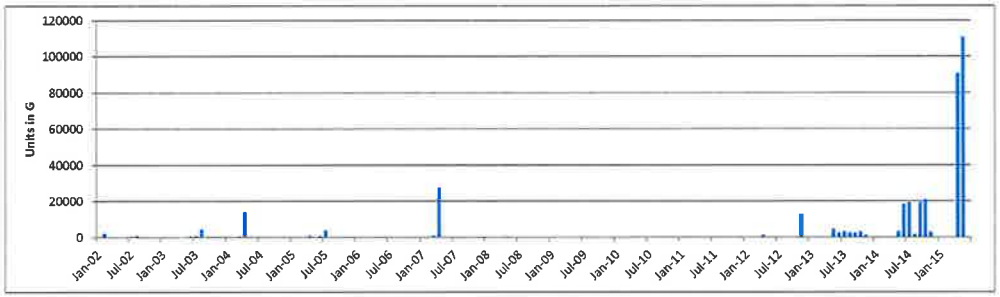
Project Name		**Cielo Vista**			Date			**Unknown**	
Address					Auditor			**Sam**	
City, State					Area/Zone/Station			**2.00**	
See instructions below on clearing input area									
Test Area/Station				**2**					
Catch Device Area (A_{CD})					in^2	Test Run Time (t_R)			min
Catch Device Volumes									
1	70	17		33		49		65	
2	70	18		34		50		66	
3	70	19		35		51		67	
4	50	20		36		52		68	
5	120	21		37		53		69	
6	115	22		38		54		70	
7	70	23		39		55		71	
8	115	24		40		56		72	
9	80	25		41		57		73	
10	100	26		42		58		74	
11	100	27		43		59		75	
12	12	28		44		60		76	
13		29		45		61		77	
14		30		46		62		78	
15		31		47		63		79	
16		32		48		64		80	
Number Catch Devices			**12**		1/4 Number Catch Devices			**3**	
Total Catch Volume			**972**		Total Low Quarter			**132**	
Average Volume (V_{avg})			**81.00**		Average Low Quarter (V_{lq})			**44.00**	
Calculate Distribution Uniformity									
DU_{LQ} =	Average Low Quarter (V_{lq})			=	**0.54**				
	Average Volume (V_{avg})								

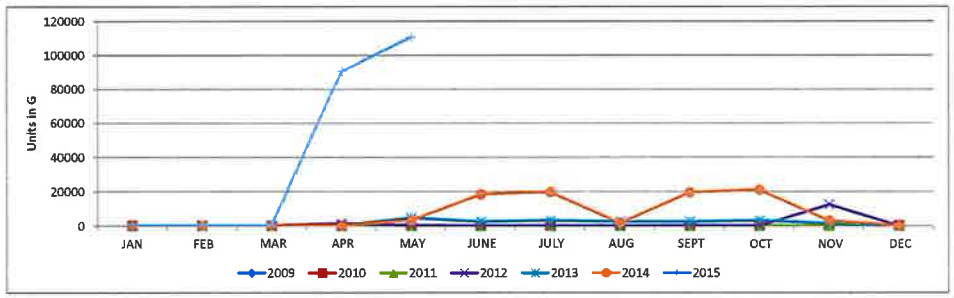
DU = 50.5%

	Account #	Meter #	Size	Service Address
Adam Gabriel Armijo	366926	9919926	2"	32254
1404 CERRO GORDO RD IRR				

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC		TOTAL YEAR GALLONS
2002	100	2000	0	0	0	300	400	900	0	6	0		0	3706
2003	0	0	0	300	300	400	600	4300	0	0	0		0	5900
2004	0	0	500	14300	0	100	0	0	100	0	0		0	15000
2005	0	0	0	800	300	600	3900	0	0	0	0		0	5600
2006	0	0	0	0	0	0	0	0	0	0	0		0	0
2007	0	0	800	27900	0	0	0	0	0	0	100		0	28800
2008	0	0	100	0	0	0	0	0	0	0	0		0	100
2009	0	0	0	0	0	0	0	0	200	0	0		0	200
2010	0	0	0	0	0	0	0	0	0	0	0		0	0
2011	0	0	0	0	0	0	0	0	0	0	0		0	0
2012	0	0	0	1300	100	0	0	0	0	0	12500		0	13900
2013	0	0	0	0	4600	2500	3100	2500	2400	3100	1200		0	19400
2014	0	0	0	0	3100	18200	19500	1700	19400	20900	3000		0	85800
2015	0	0	0	90700	110800									201500

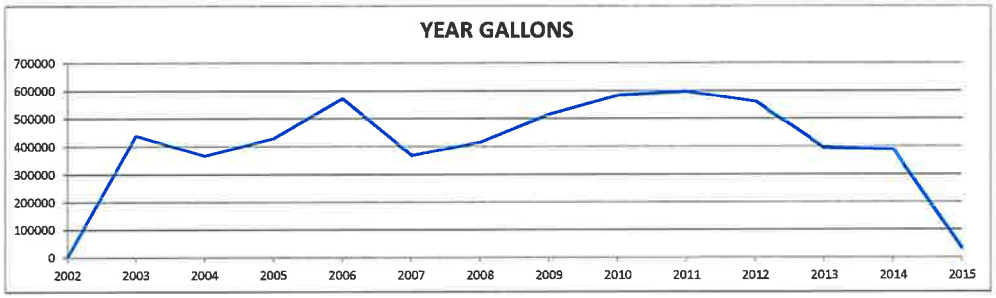


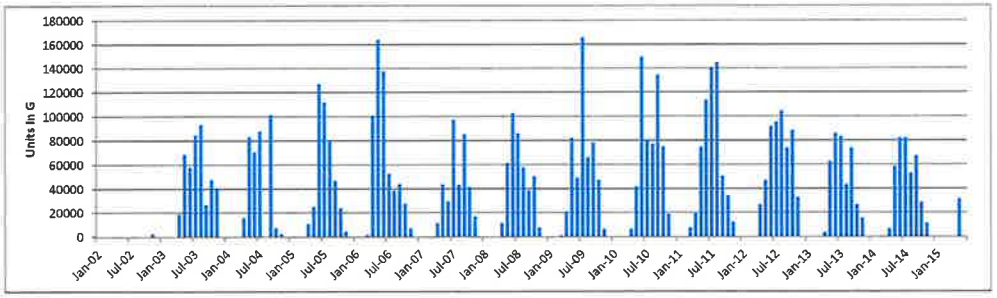


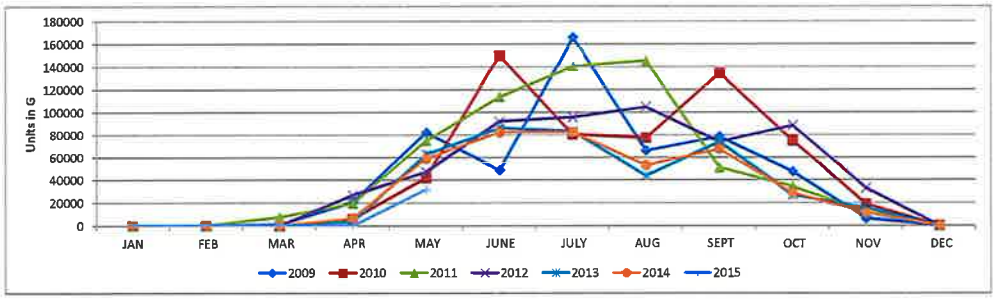


	Account #	Meter #	Size	Service Address
Cathedral	359662	9945793	1 1/2"	31970

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	0	0	0	0	2100	0	2100
2003	0	0	0	18600	68700	57800	84500	93500	26600	47400	40800	0	437900
2004	0	0	0	15400	82900	70500	87900	278	101300	7000	2100	0	367378
2005	0	0	0	10400	24800	127000	111600	80600	46800	23700	4200	0	429100
2006	0	0	1400	100000	164000	137600	52700	38300	44000	27400	6700	0	572100
2007	0	0	0	11200	43800	29300	97200	43300	85100	41700	16600	0	368200
2008	0	0	0	11200	61500	102700	85800	57600	38300	50400	7600	0	415100
2009	0	0	700	20500	82100	49000	165900	65800	78200	47100	6100	0	515400
2010	0	0	0	6100	41800	149800	80300	77200	134300	74900	18900	0	583300
2011	0	0	7400	19600	74700	113500	140200	145000	50800	34200	11900	0	597300
2012	0	0	0	26700	46900	91800	95600	104700	73900	88300	32700	0	560600
2013	0	0	0	3400	62600	85800	83200	43500	73800	26800	15300	0	394400
2014	0	0	0	6300	58700	82200	82300	52900	67300	28600	11000	0	389300
2015	0	0	0	0	31500								31500

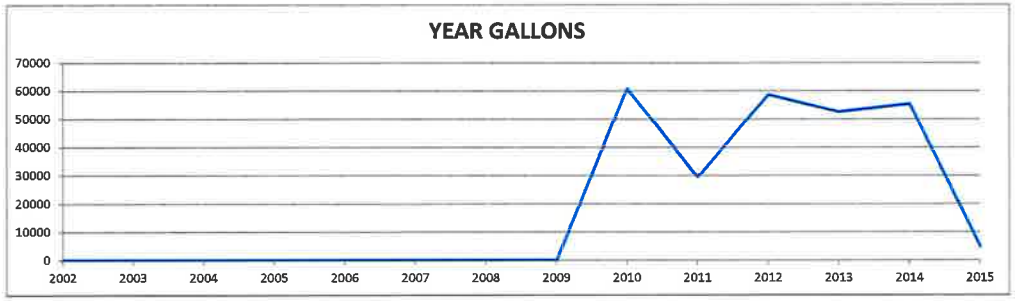


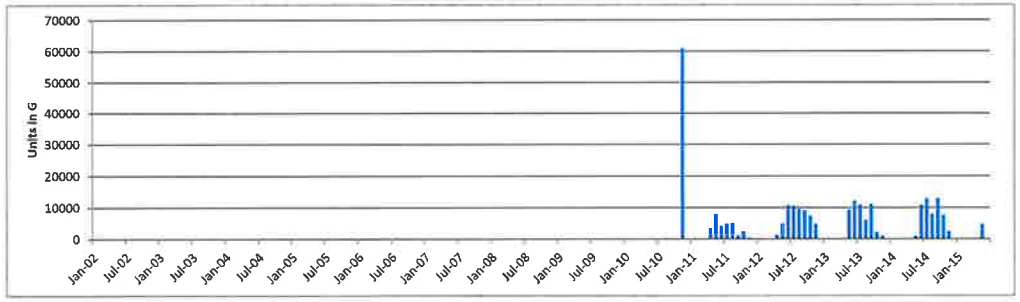


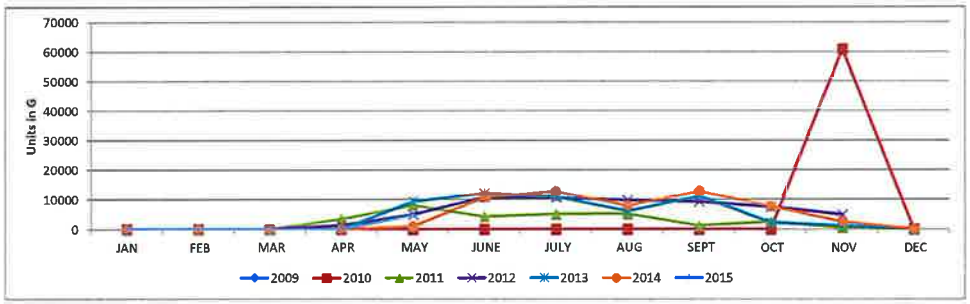


	Account #	Meter #	Size	Service Address
Frank S. Ortiz Dog Park	548843	9956515	1"	46431

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC		TOTAL YEAR GALLONS
2002														0
2003														0
2004														0
2005														0
2006														0
2007														0
2008														0
2009														0
2010	0	0	0	0	0	0	0	0	0	0	60900		0	60900
2011	0	0	0	3400	8000	4200	5000	5100	1100	2400	400		0	29600
2012	0	0	0	1300	4900	10800	10600	9700	9200	7400	4800			58700
2013	0	0	0	0	9300	12200	10900	6000	11100	2100	1000		0	52600
2014	0	0	0	0	900	10800	12900	7900	12900	7600	2400		0	55400
2015	0	0	0	0	4700									4700



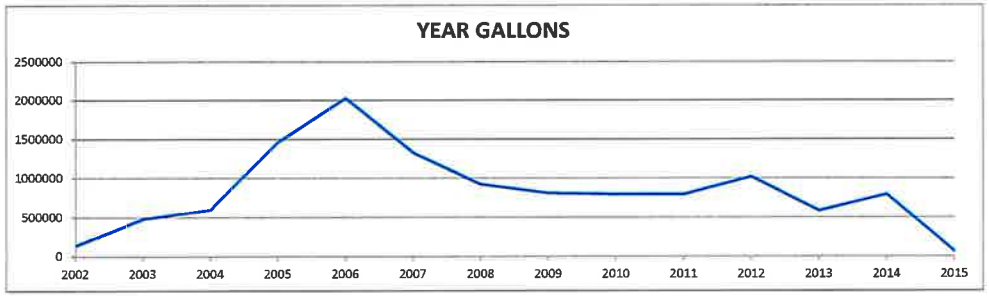


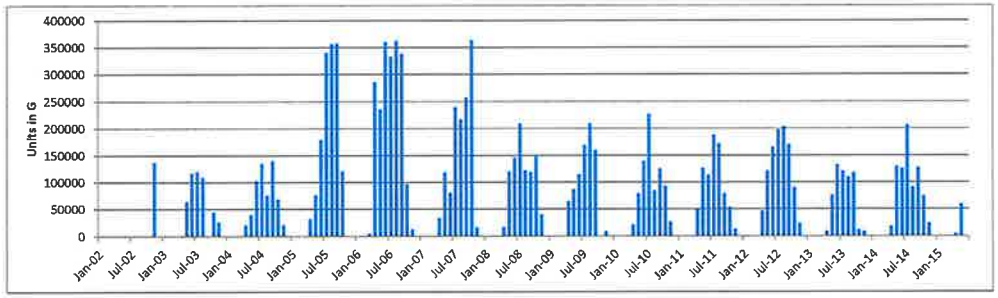


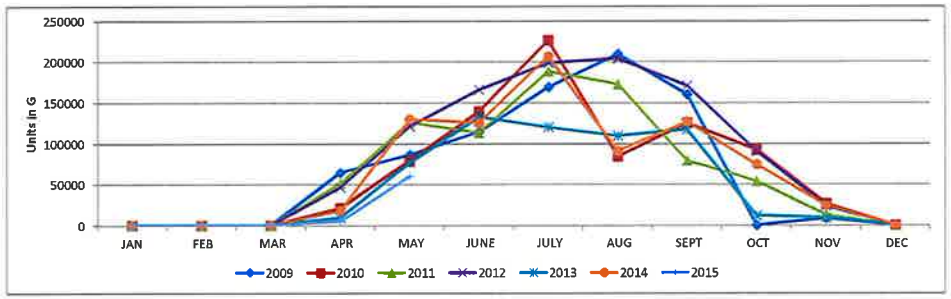
	Account #	Meter #	Size	Service Address
John Griego (Veterans)	407767	9940826	2"	31711

1605 PASEO DE LA CONQUISTADORA PARK

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC		
2002	0	0	0	0	0	0	0	0	0	0	137200		0	137200
2003	0	0	0	0	64100	116800	119800	108800	0	44600	25700		0	479800
2004	0	0	0	20400	39500	103600	134900	75600	139700	68800	21200		0	603700
2005	0	0	0	32000	76300	179200	340800	356900	357500	120900	0		0	1463600
2006	0	0	4800	285800	235400	361000	332600	363000	338500	96900	13000		0	2031000
2007	0	0	0	33900	118200	80700	239700	217100	257500	363700	15900		0	1326700
2008	0	0	0	17000	120300	145600	209100	121700	118800	148800	40300		0	921600
2009	0	0	100	64400	86700	114800	169100	209500	160000	0	8500		0	813100
2010	0	0	0	21200	79100	139600	226600	84600	125500	92800	26500		0	795900
2011	0	0	0	51400	126100	113500	188500	172500	79300	53900	12700		0	797900
2012	0	0	0	46400	121500	165800	198600	203900	170600	90700	23800		0	1021300
2013	0	0	0	9200	76400	132800	120500	109700	117800	11900	9300		0	587600
2014	0	0	0	18000	129800	125700	206600	91300	127000	74500	24400		0	797300
2015	0	0	0	4900	59800									64700

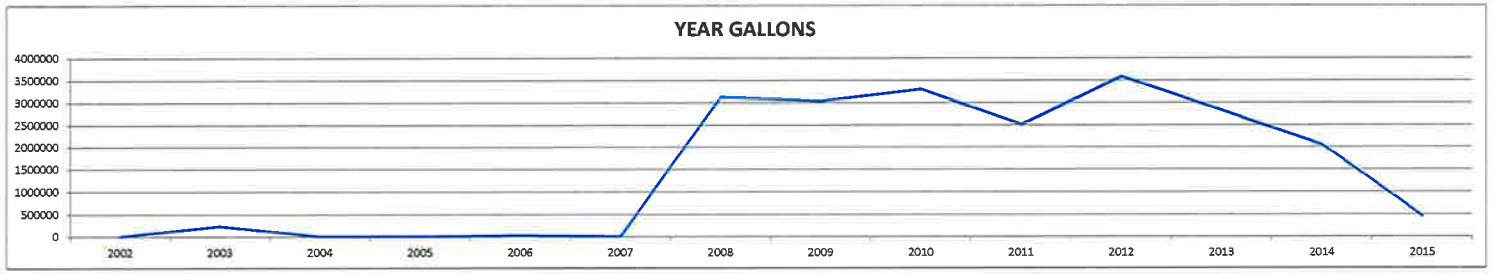


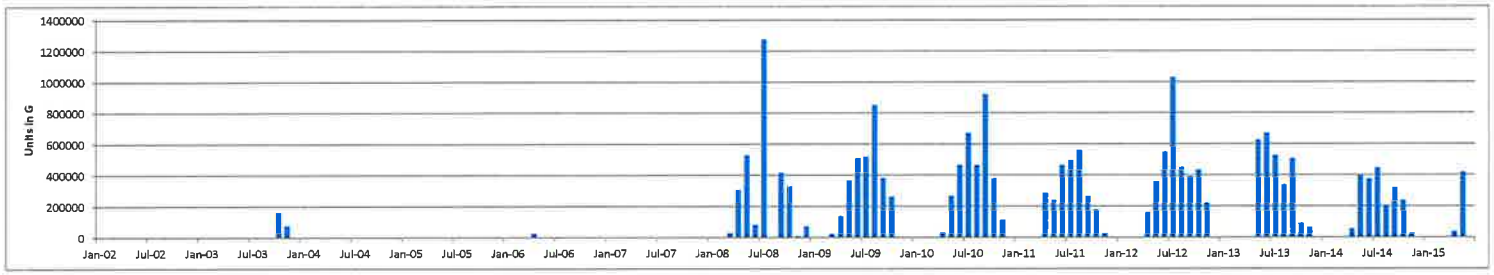


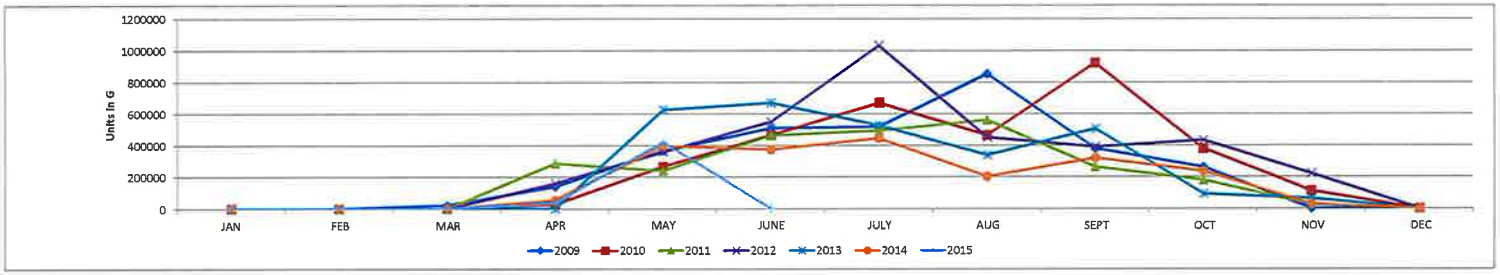


	Account #	Meter #	Size	Service Address
Mager's Field	360401	99557151/2	4"&4"	31952

YEAR	JAN A	JAN B	FEB A	FEB B	MAR A	MAR B	APR A	APR B	MAY A	MAY B	JUNE A	JUNE B	JULY A	JULY B	AUG A	AUG B	SEPT A	SEPT B	OCT A	OCT B	NOV A	NOV B	DEC A	DEC B	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	3000	0	1000	0	0	0	1000	0	0	0	164000	0	74000	0	0	0	243000
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0	2000	0	0	0	0	0	0	0	0	0	0	0	2000
2006	0	0	0	0	0	0	25000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25000
2007	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	100	400	0	0	14000	97300	29300	275200	51900	476900	80900	0	50300	1224300	0	0	44900	370200	46200	279500	7300	0	6500	63700	3118900
2009	0	200	0	0	10800	4600	15300	122400	36500	327500	50500	459400	50800	467100	87000	764000	40500	338500	25600	234400	0	0	0	0	3035100
2010	0	0	0	0	0	0	1500	27100	27100	237200	45600	418900	70000	599600	49300	414800	89000	832000	39200	339300	10200	100700	0	0	3301500
2011	0	0	0	0	0	0	26300	257700	22700	215300	46300	417000	47700	445300	55500	504700	25600	236000	18100	160800	5100	19700	0	0	2503800
2012	0	0	0	0	0	0	13700	145400	32900	324500	52300	497800	97800	932600	43700	406100	37800	352200	38300	393100	24100	195400	0	0	3587700
2013	0	0	0	0	0	0	0	800	60600	564100	63500	605800	52800	473100	32100	305200	47500	457300	15900	76300	9800	54100	0	0	2818900
2014	0	0	0	0	0	0	4700	49100	37700	356800	35000	337800	69900	374600	19000	182300	28700	290300	22200	212900	2500	25600	0	0	2049100
2015	0	0	0	0	0	0	1100	34500	29500	387300															452400

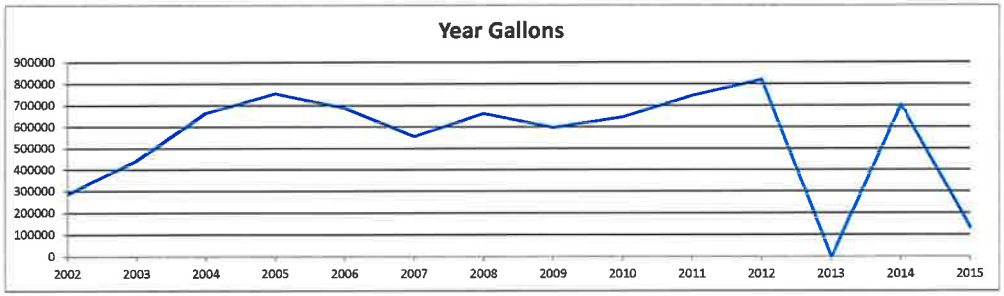


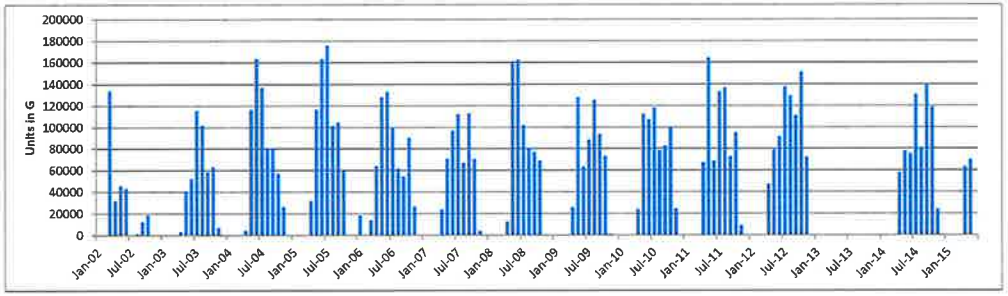


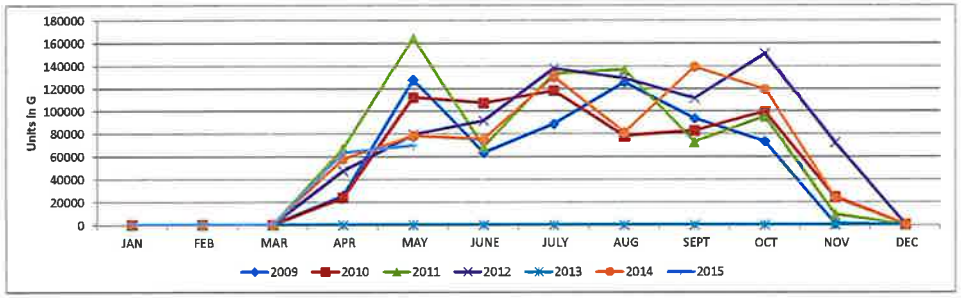


	Account #	Meter #	Size	Service Address
Plaza Park	382088	9961271/	2"&1"	27875

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS	
2002	0	0	133700	31800	45700	43300	100	900	12300	18700	100	400	287000	
2003	0	0	0	3000	41100	52300	115500	101900	58400	63300	6900	0	442400	
2004	0	0	0	4100	116600	163700	137000	79600	80300	56900	26000	0	664200	
2005	0	0	400	31700	116500	163500	175900	101500	104600	60600	0	0	754700	
2006	18300	0	13600	63800	128000	133000	99400	61600	54400	90000	26300	0	688400	
2007	0	0	0	23700	70500	96900	112300	66600	113000	70200	3500	0	556700	
2008	0	0	0	12500	160800	162500	102000	80100	76500	68700	0	0	663100	
2009	0	0	0	25500	127800	63300	88400	125400	93300	72900	800	0	597400	
2010	0	0	0	23900	112300	107200	118300	78100	82600	99600	24300	0	646300	
2011	0	0	0	67000	164500	68500	133100	136700	72700	94900	9000	0	746400	
2012	0	0	0	47300	79300	91400	137900	129200	111300	151100	72100	0	819600	
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	Failed Meter
2014	0	0	0	57800	78000	74900	130500	80800	139400	119300	23700	0	704400	
2015	0	0	0	63100	69700								132800	

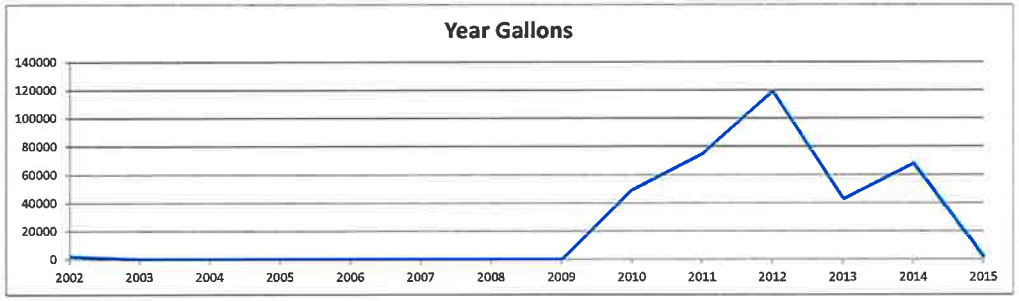


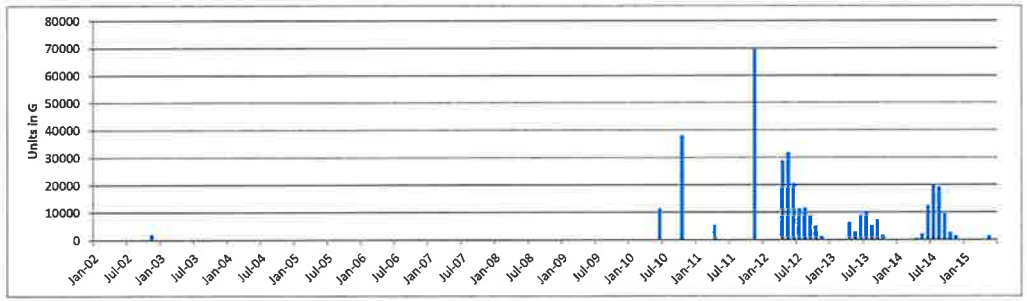


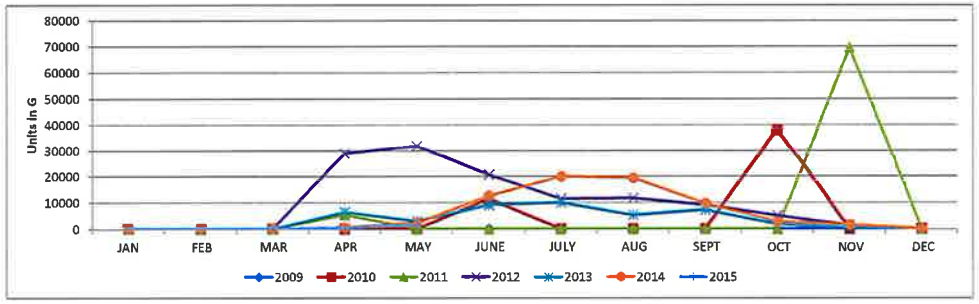


	Account #	Meter #	Size	Service Address
Sunnyslope	560095	9957579	5/8"	46422

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	0	0	0	0	2100	0	2100
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	11400	0	0	0	38000	0	0	49400
2011	0	0	0	5400	0	0	0	0	0	0	69600	0	75000
2012	0	0	0	28800	31800	20600	11400	11600	9000	5100	1400	0	119700
2013	0	0	0	6400	3000	9100	10000	5300	7300	1800	200	0	43100
2014	0	0	0	500	2200	12500	19900	19300	9600	2700	1500	0	68200
2015	0	0	0	200	1500								1700

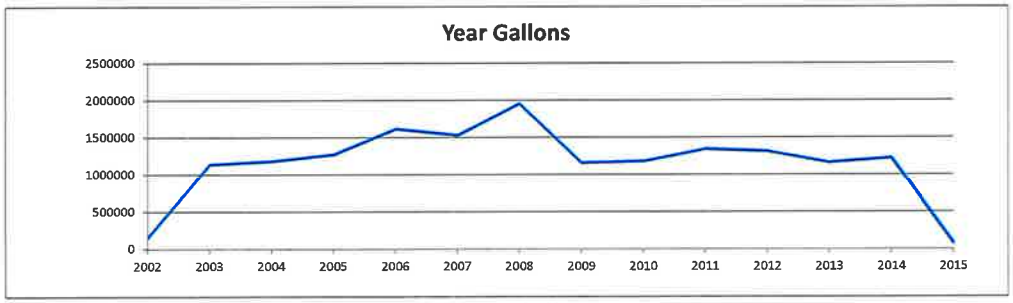


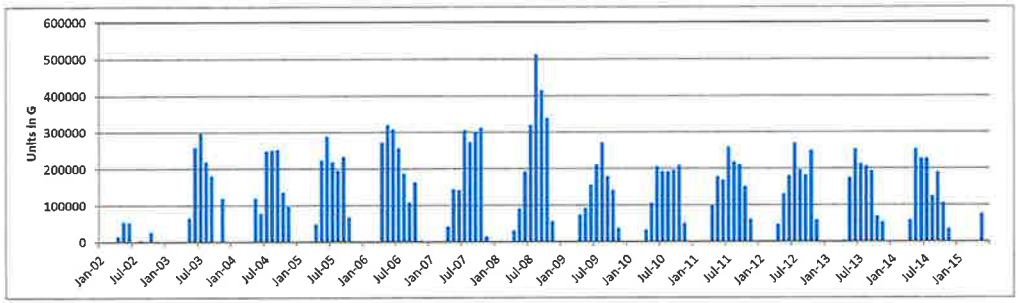


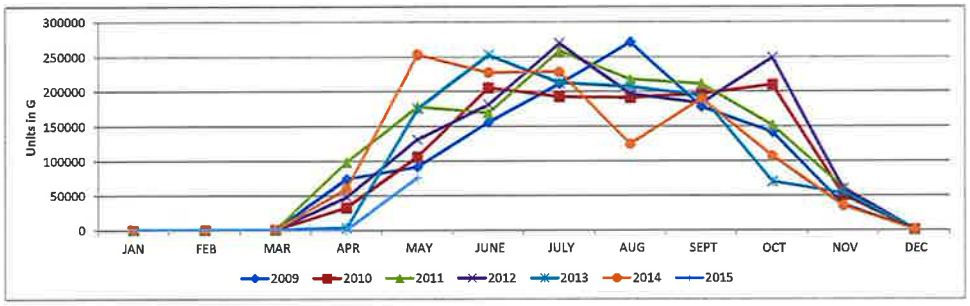


	Account #	Meter #	Size	Service Address									System DU report =
Torreon	357000	9961712	2"	31540									31%
1515 ALAMEDA ST -TORREON PARK													

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	14900	54000	53300	1000	2900	0	26700	0	0	152800
2003	0	0	0	0	65600	257700	297800	218300	180900	300	119900	0	1140500
2004	0	0	0	0	119500	77600	248300	249700	252800	136900	97100	0	1181900
2005	0	0	0	47700	222700	288300	218100	195800	232900	67100	0	0	1272600
2006	0	0	300	272400	319900	308100	256500	187000	107900	163400	2900	0	1618400
2007	0	0	0	41000	143900	141900	306000	272200	299400	312000	13600	0	1530000
2008	0	0	0	30500	90600	192600	319400	513000	414500	339600	56100	0	1956300
2009	0	0	0	74000	91500	156100	210900	270900	178100	141700	36200	0	1159400
2010	0	0	0	32000	106000	205200	192500	191100	196500	209300	50300	0	1182900
2011	0	0	0	98600	178000	169100	258500	217300	210600	151500	61000	0	1344600
2012	0	0	0	47000	131200	181200	269000	196300	183000	248900	59500	0	1316100
2013	0	0	0	2800	175000	252800	212400	206500	193700	70100	53000	0	1166300
2014	0	0	0	59300	252900	227300	227800	124600	189700	106800	34700	0	1223100
2015	0	0	0	0	75600								75600

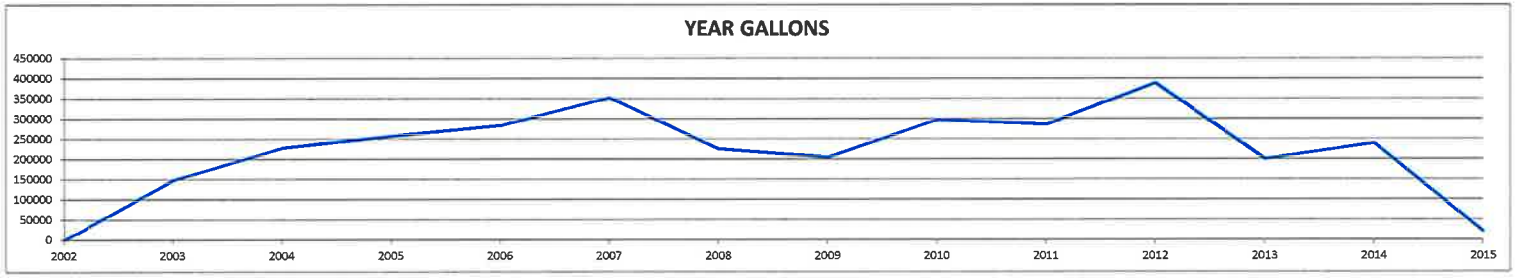


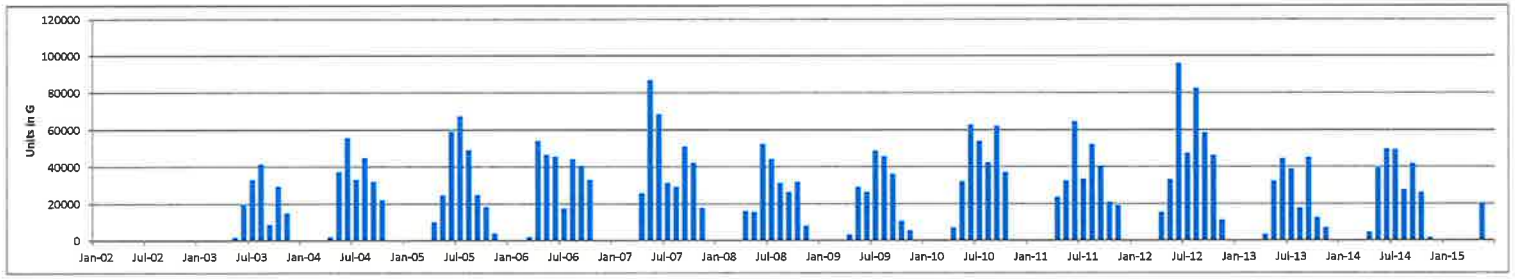


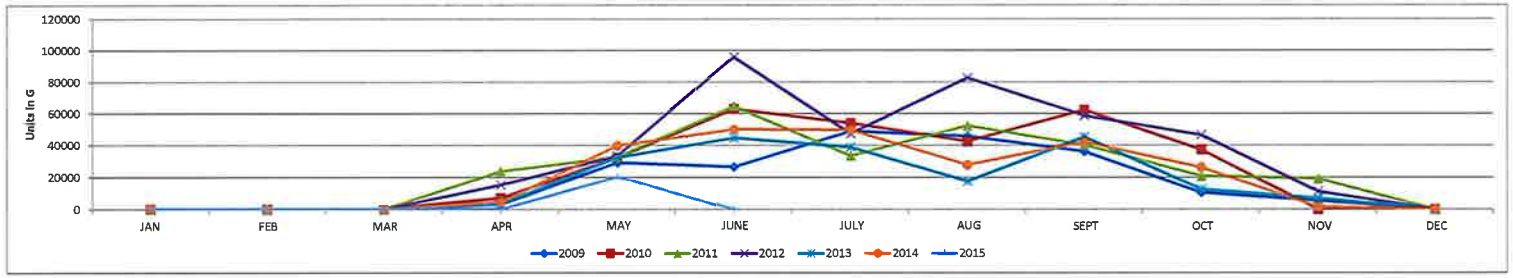


	Account #	Meter #	Size	Service Address
Macaione	360225	9920289/NONE	5/8"& 5/8	28607

YEAR	JAN A	JAN B	FEB A	FEB B	MAR A	MAR B	APR A	APR B	MAY A	MAY B	JUNE A	JUNE B	JULY A	JULY B	AUG A	AUG B	SEPT A	SEPT B	OCT A	OCT B	NOV A	NOV B	DEC A	DEC B	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	100
2003	0	0	0	0	0	0	0	0	500	1200	10100	9300	18800	14300	22400	19100	6100	2500	15100	14300	8000	6800	0	0	148500
2004	0	0	0	0	0	0	800	1100	17700	19600	31100	24700	18200	15000	25800	19200	20000	12100	14400	7600	0	100	0	0	227400
2005	0	0	0	0	0	0	5400	4600	14600	10000	31400	27800	39900	27400	29800	19400	13600	11200	11400	6800	2400	1300	0	0	257000
2006	0	0	0	0	900	800	31400	22800	23600	22900	25900	19500	100	17300	33200	11000	24200	16300	14500	18500	0	100	0	0	283000
2007	0	0	0	0	0	100	9200	16400	24600	62300	24800	43600	17900	13400	15600	13500	30400	20700	21900	20200	16700	1000	0	0	352300
2008	0	0	0	0	0	0	12000	3900	6000	9400	24500	27900	16800	27400	10500	20800	7700	18700	9400	22500	0	7900	0	0	225400
2009	0	0	0	0	0	0	1600	1400	15500	13600	13400	13000	26000	22800	24200	21500	19200	16900	5400	5100	2900	2500	0	0	205000
2010	0	0	0	0	0	0	4200	2700	17000	15100	34100	28800	28800	25100	22600	19700	32100	30100	20900	16300	0	0	0	0	297500
2011	0	0	0	0	0	0	12800	10800	23700	8700	28200	36300	9000	24400	42200	10000	33000	7200	20700	0	19100	0	0	0	286100
2012	0	0	0	0	0	0	15200	0	33200	0	95800	0	47300	0	82500	0	58600	0	46400	0	11000	0	0	0	390000
2013	0	0	0	0	0	0	3200	0	32200	0	44600	0	38800	0	17600	0	45200	0	12500	0	6900	0	0	0	201000
2014	0	0	0	0	0	0	4200	0	39600	0	49800	0	49400	0	27600	0	41900	0	26100	0	1300	0	0		239900
2015	0		0		0		0		20100																20100

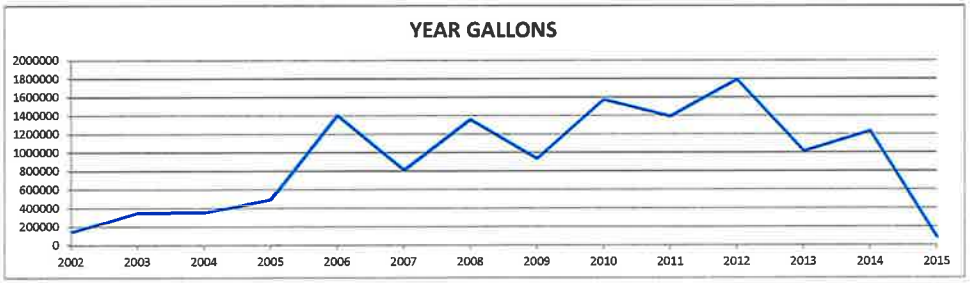


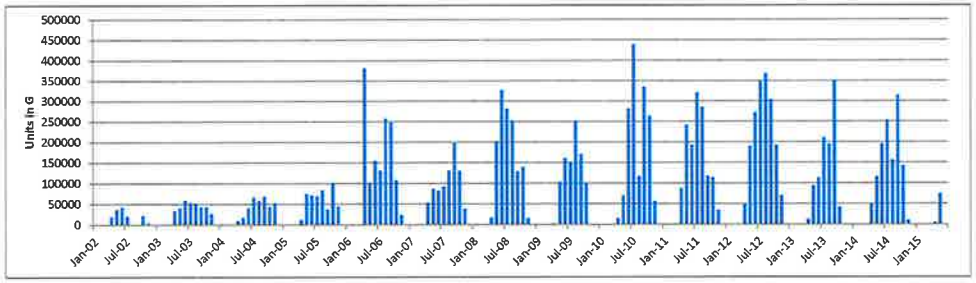


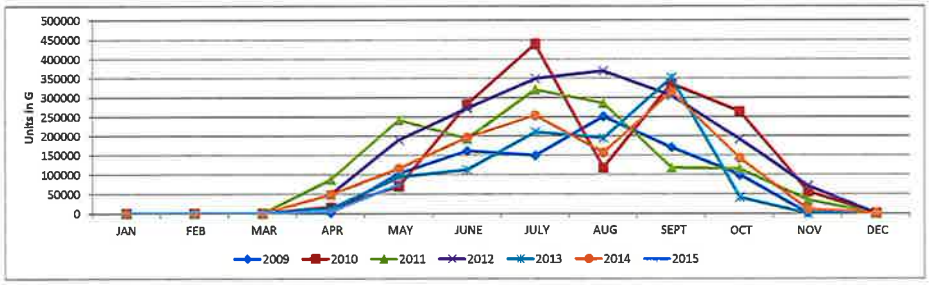


Amelia White	Account #	Meter #	Size	Service Address	System DU report =
981 OLD SANTA FE TRL	374635	9938638	2"	27928	49%

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	19500	36300	41700	19900	0	0	21500	3300	0	142200
2003	0	0	0	33700	40000	58000	53200	51300	42500	42500	26400	0	347600
2004	0	0	0	8800	17300	39800	65600	57400	67900	43100	52000	0	351900
2005	0	0	0	11200	74000	71000	68700	83200	36200	99600	44400	0	488300
2006	0	0	0	381800	101600	154700	130900	257900	247900	107400	23400	0	1405600
2007	0	0	0	52700	86700	82000	91700	130100	198400	130500	38300	0	810400
2008	0	0	0	16200	199800	327000	281900	252000	128400	138500	15400	0	1359200
2009	0	0	0	1700	102800	160700	149000	250600	170000	99100	600	0	934500
2010	0	0	0	15200	69600	281600	439100	116300	335300	263000	56100	0	1576200
2011	0	0	0	87200	241400	192700	320500	285200	116800	114100	34500	0	1392400
2012	0	0	0	47800	189500	271900	348400	368500	304400	191600	70100	0	1792200
2013	0	0	0	12100	93700	112100	210700	194800	351300	41400	0	0	1016100
2014	0	0	0	48100	115200	195700	253000	156300	314500	141700	10100	0	1234600
2015	0	0	0	4800	74100								78900



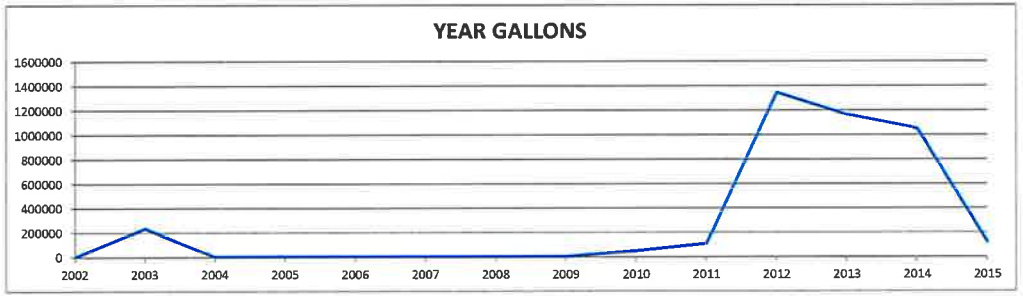


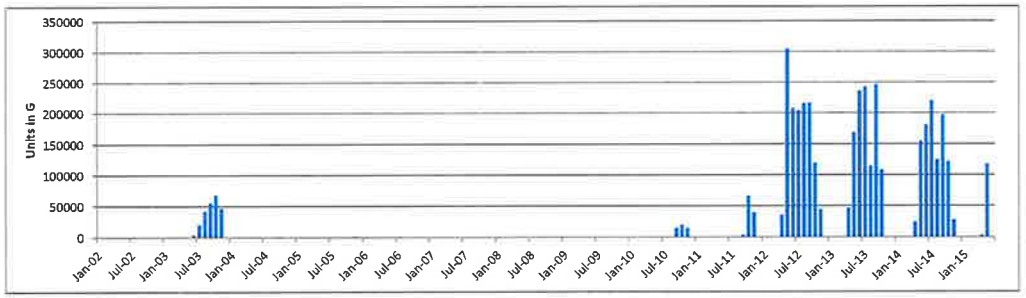


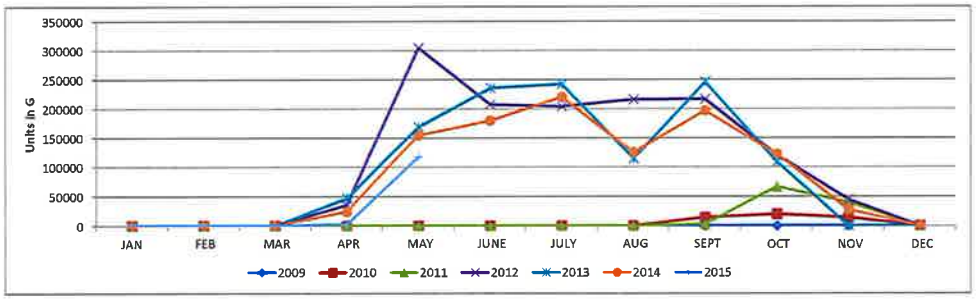
	Account #	Meter #	Size	Service Address
Calle Lorca	360524	9958984	1 1/2"	31399

2075 CALLE LORCA

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	0	200	0	0	0	0	0	0	200
2003	0	0	0	200	400	3700	20400	41700	55300	67700	46900	0	236300
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	1300	0	1300
2006	0	0	0	0	0	0	0	0	0	0	0		0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	14500	19800	14300	0	48600
2011	0	0	0	0	0	0	0	0	3000	66200	39500	0	108700
2012	0	0	0	35400	304400	207400	204000	216000	216500	119500	44600	0	1347800
2013	0	0	0	46500	168800	236000	242500	114100	246400	107900	0	0	1162200
2014	0	0	0	24400	154400	179900	220100	124400	196700	121500	27500	0	1048900
2015	0	0	0	2600	117200								119800

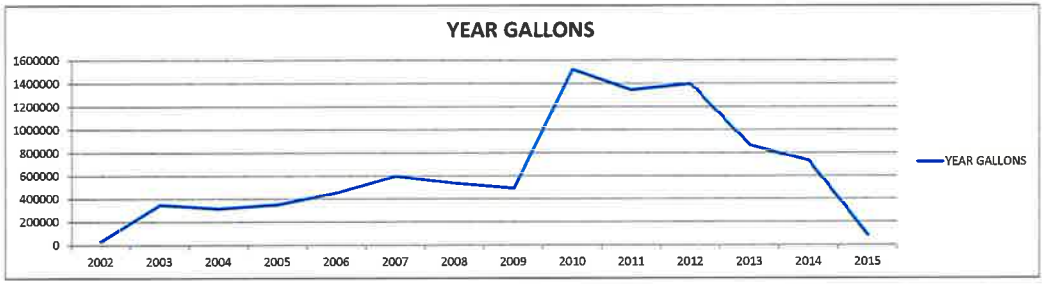


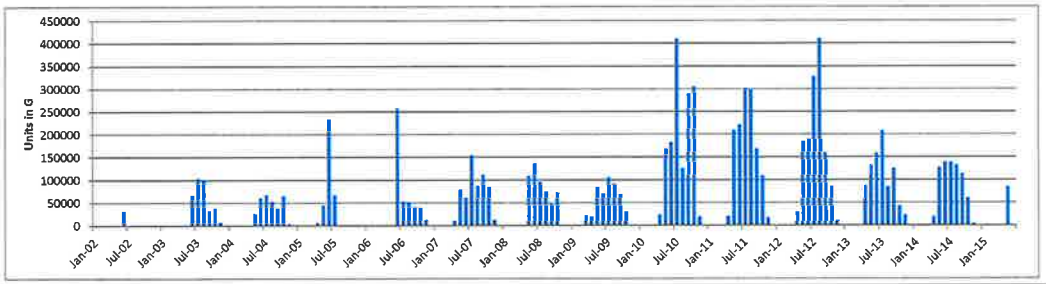


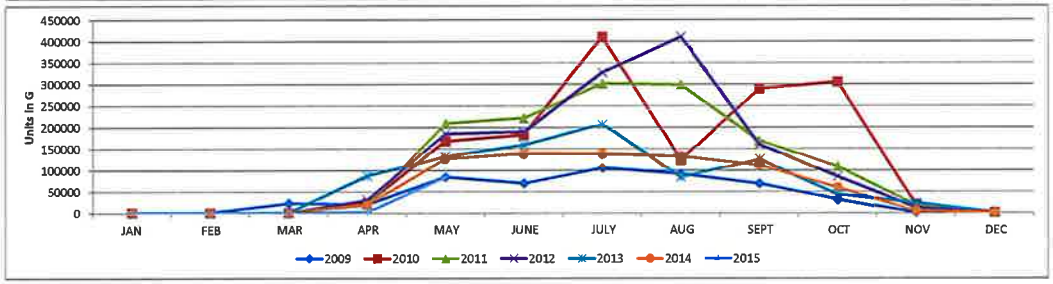


DeVargas West 360612 9947493 2" 31394

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC		TOTAL YEAR GALLONS
2002	0	0	0	0	0	32200	0	0	0	0	0		0	32200
2003	0	0	0	0	1100	66400	103500	98000	33200	38200	8000		0	348400
2004	0	0	0	1100	25600	60100	67300	52500	38100	64500	3600		0	312800
2005	0	0	0	5700	44300	234200	66400	0	0	0	0		0	350600
2006	0	0	0	0	0	257700	52300	51200	40100	39300	12800		0	453400
2007	0	0	0	10200	78800	60200	154200	87100	111400	84700	11800		0	598400
2008	0	0	0	800	109000	136400	95400	74300	47600	72000	0		0	535500
2009	0	0	22500	19500	84200	69500	105800	91400	68700	31000	0		0	492600
2010	0	100	0	23000	168100	182700	410300	125000	289100	305200	18800		0	1522300
2011	0	0	0	19400	209000	221400	301200	298600	168800	109100	16800		0	1344300
2012	0	0	0	30200	184900	189600	327300	410800	159600	85600	11400		0	1399400
2013	0	0	0	86900	131800	158900	207900	84300	126000	42500	22400		0	860700
2014	0	0	0	18800	127400	138700	138200	132900	112800	59900	3300		0	732000
2015	0	0	0	900	84400								0	85300

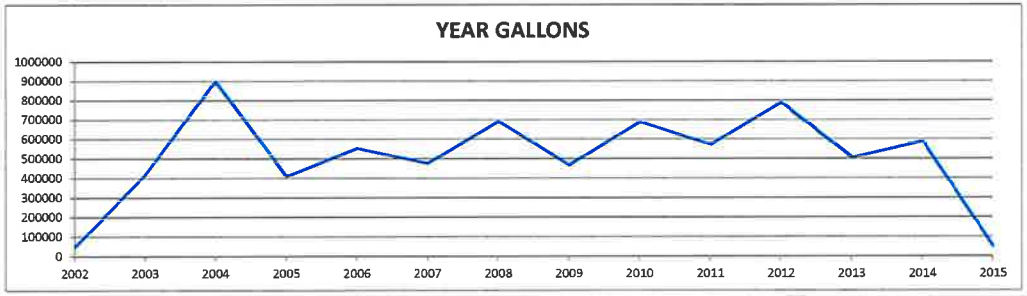


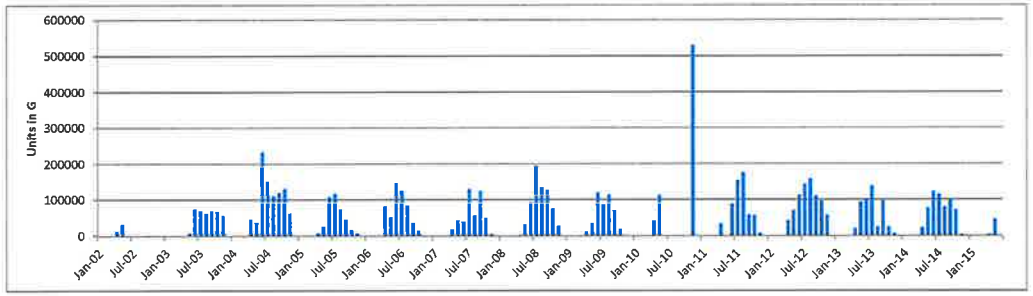


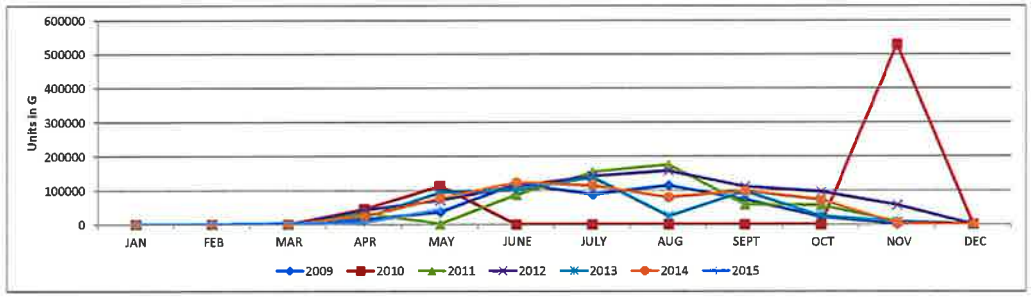


	Account #	Meter #	Size	Service Address
DeVargas East	430393	9933780	2"	31393

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	14500	34400	0	0	0	0	0	100	0	49000
2003	0	0	0	0	7600	76400	71200	64600	71600	69300	58200	0	418900
2004	0	0	0	48500	39800	233200	153400	109900	119200	130000	64200	0	898200
2005	0	0	0	8000	28100	107400	117000	76200	47300	18400	8400	0	410800
2006	0	0	0	83800	53300	149200	127900	86300	38500	16200	0	0	555200
2007	0	0	0	20500	45500	42100	129100	58200	124000	52300	5100	0	476800
2008	0	0	0	2000	34400	93200	195900	132500	125600	77600	30100	0	691300
2009	0	0	1400	13500	36600	119400	88200	113700	73000	21800	700	0	468300
2010	0	0	0	45000	112700	0	0	0	0	0	530000	0	687700
2011	0	0	0	33700	1037	87600	153100	175200	58500	56300	7800	0	573237
2012	0	0	0	41800	70800	112200	142400	157300	110700	96100	56900	0	788200
2013	0	0	0	19900	93900	100500	138200	24600	97500	24400	6900	0	505900
2014	0	0	0	23000	76900	122800	113900	79900	97900	71800	2900	0	589100
2015	0	0	0	4300	46000								50300

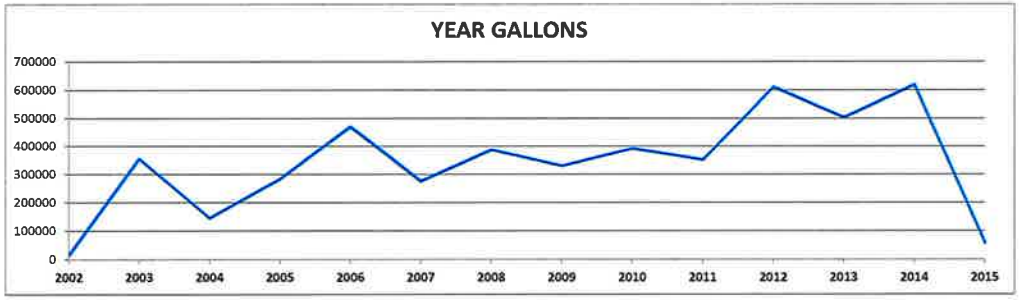


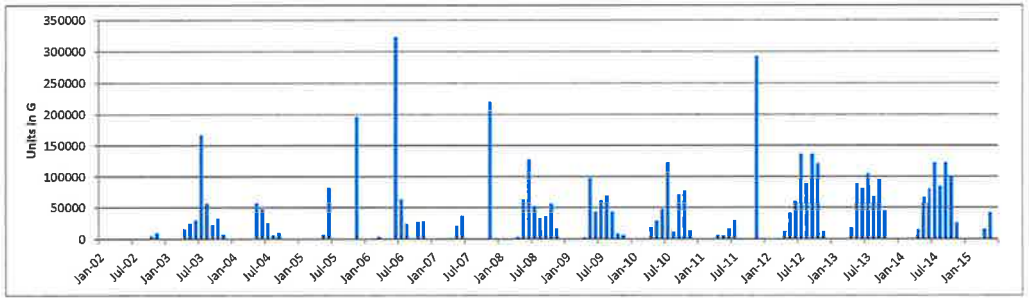


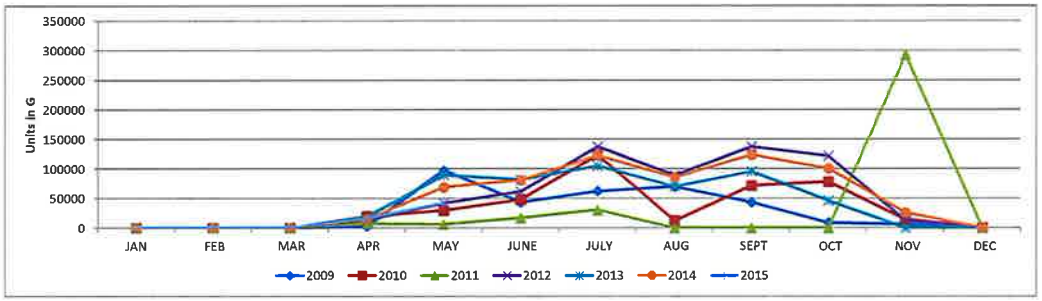


Galisteo Tennis Courts	Account #	Meter #	Size	Service Address
	360604	9916072	2"	31395

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	300	100	100	400	500	0	4500	9800	0	15700
2003	0	0	0	16200	25100	29700	166900	56600	22700	32400	7500	0	357100
2004	0	0	0	0	57200	48200	25700	6100	10300	0	0	0	147500
2005	0	0	0	100	7200	82200	0	0	0	0	196000	0	285500
2006	0	0	3300	600	1000	323600	63300	23900	0	28100	28600	0	472400
2007	0	0	0	0	21200	37300	0	0	0	0	219600	0	278100
2008	0	0	0	2800	63100	127800	52100	33700	36800	56200	16900	0	389400
2009	0	0	0	2700	97300	43300	61900	69200	43300	8700	6000	0	332400
2010	0	0	0	19400	29000	47600	123000	12100	70900	77500	14300	0	393800
2011	0	0	0	7100	6100	17000	30100	0	0	0	293000	0	353300
2012	0	0	0	13200	41800	61000	136900	88800	136900	121600	12500	0	612700
2013	0	0	0	18800	89000	81200	105000	69300	95300	46000	0	0	504600
2014	0	0	0	15400	68400	80000	122600	85000	123300	100200	25500	0	620400
2015	0	0	0	16000	42300								58300

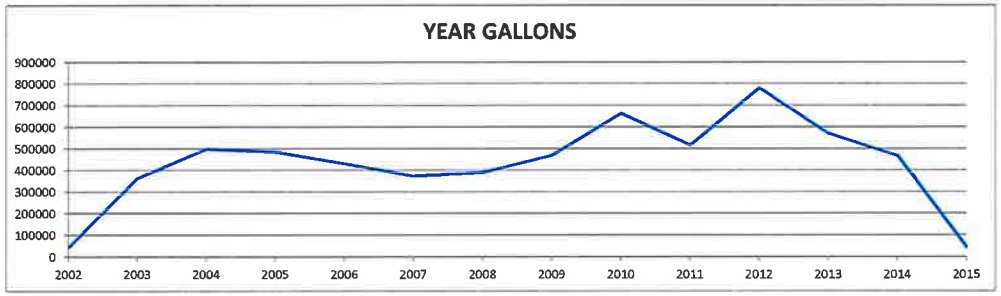


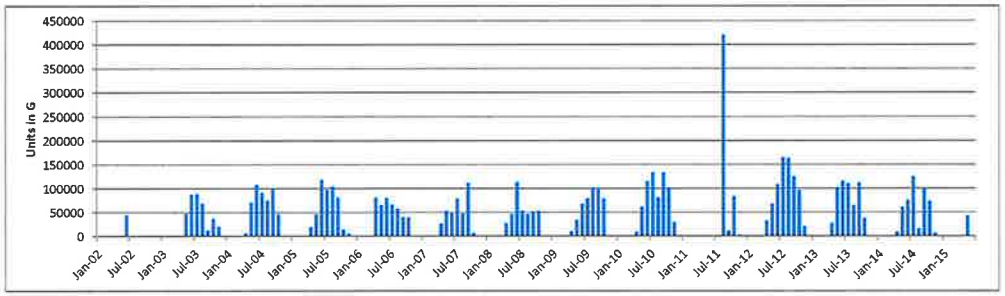


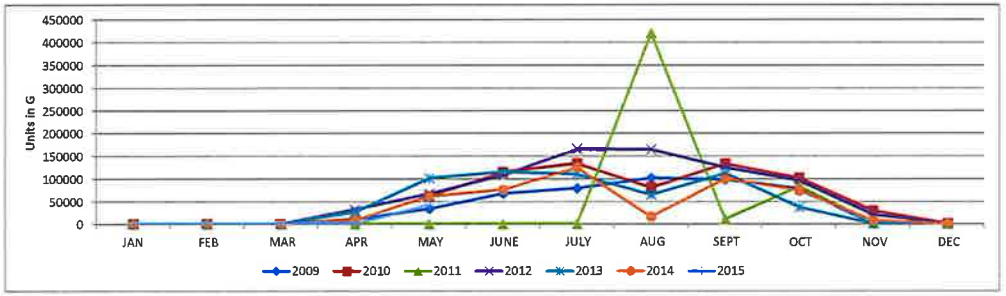


	Account #	Meter #	Size	Service Address
Orlando Fernandez	360516	9922356	1 1/2"	31400

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	0	44400	0	0	0	0	0	0	44400
2003	0	0	0	460	48000	88100	89300	68400	11800	36700	19600	0	362360
2004	0	0	0	5800	71500	108300	91500	75000	99300	46300	0	0	497700
2005	0	0	0	19100	46300	118400	97000	104500	81300	13600	4900	0	485100
2006	0	0	0	81300	65800	80800	66300	57900	39800	39300	0	0	431200
2007	0	0	0	26500	53400	48400	78900	47800	111900	6400	0	0	373300
2008	0	0	0	27400	46400	113900	52900	46700	50200	53000	0	0	390500
2009	0	0	0	9900	33900	67900	79300	102100	98300	79000	0	0	470400
2010	0	0	0	8400	61900	115000	133600	81000	133200	102100	29300	0	664500
2011	0	0	0	0	0	0	0	420500	10600	83800	2300	0	517200
2012	0	0	0	32500	67600	108400	165100	164200	125500	96400	20700	0	780400
2013	0	0	0	27400	101700	115600	110500	65300	112600	37500	0	0	570600
2014	0	0	0	8700	61100	75700	124900	15700	100300	74200	6800	0	467400
2015	0	0	0	500	43500								44000

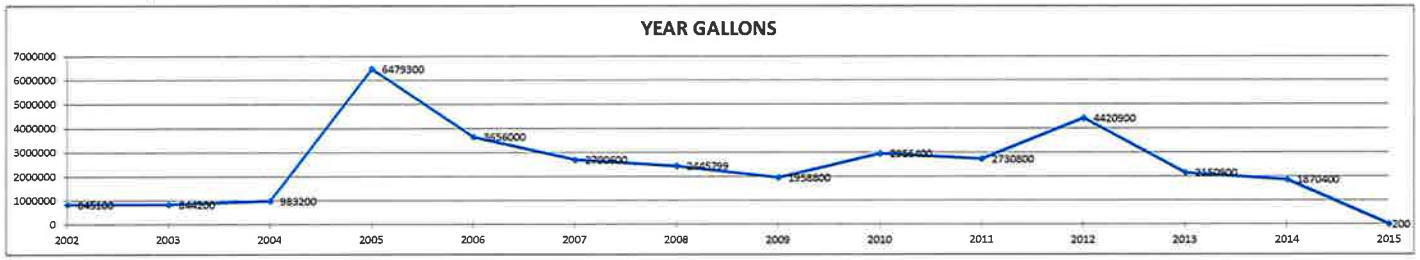


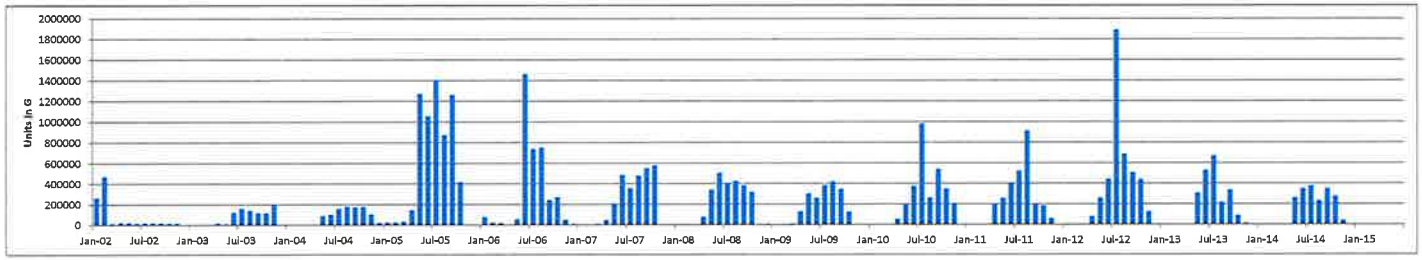


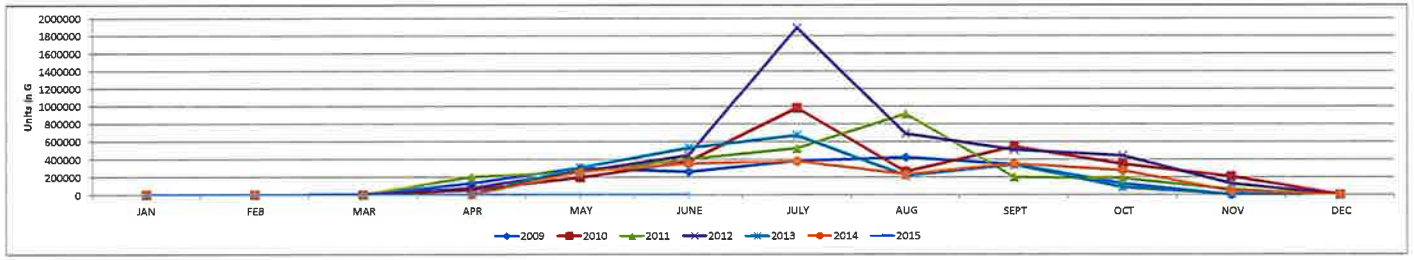


	Account #	Meter #	Size	Service Address
Patrick Smith	369191	99370871/2	4"&4"	31017

YEAR	JAN A	JAN B	FEB A	FEB B	MAR A	MAR B	APR A	APR B	MAY A	MAY B	JUNE A	JUNE B	JULY A	JULY B	AUG A	AUG B	SEPT A	SEPT B	OCT A	OCT B	NOV A	NOV B	DEC A	DEC B	TOTAL YEAR GALLONS
2002	26100	235800	61200	406900	4000	0	16300	0	16800	0	12500	0	14200	0	14000	0	15600	0	11700	0	9700	300	0	0	845100
2003	0	0	0	0	100	0	9300	1000	2400	3500	11900	106500	13400	140000	11800	123700	10300	103300	10600	104000	38300	154100	0	0	844200
2004	0	0	0	0	0	0	1000	0	2300	83200	17000	82200	15700	139500	17400	160700	15900	154700	16800	156000	17700	84400	18700	0	983200
2005	20300	0	19900	0	13300	0	19300	124600	64600	1204300	87500	969000	73800	1331400	63600	809000	70400	1191100	20500	395300	0	1100	0	300	6479300
2006	75200	0	16900	0	7100	0	0	0	50600	0	56800	1406600	45500	691500	72300	677000	18200	221300	19300	247000	6700	39000	5000	0	3656000
2007	2300	0	2400	0	2400	0	3900	39800	6100	198200	68700	416800	39100	314700	53700	421700	62000	489700	64800	513700	200	400	0	0	2700600
2008	0	0	0	0	0	0	59900	12600	38900	299900	53400	450400	43600	359800	45000	378000	41400	339300	37200	280700	0	0	5400	299	2445799
2009	0	0	0	0	2300	1200	25600	101800	29200	271600	22000	235100	58000	324100	72000	348600	60300	283100	0	123900	0	0	0	0	1958800
2010	0	0	0	0	0	0	27300	25400	30400	164800	26900	345500	214300	766500	70800	189800	25500	516900	72500	274400	93200	112200	0	0	2956400
2011	0	0	0	0	0	0	15800	183400	43600	211000	69400	332200	96000	426700	137200	775500	31200	167700	29300	153000	5200	53600	0	0	2730800
2012	0	0	0	0	0	0	16200	59800	56500	201100	81500	360700	157700	1731300	98000	588400	86000	420600	79900	359800	22800	100600	0	0	4420900
2013	0	0	0	0	0	0	2100	0	55300	249500	93000	435200	138600	530400	12500	201800	61200	275600	15100	71500	3000	6100	0	0	2150900
2014	0	0	0	0	0	0	300	1600	43600	213000	57700	290000	63200	314300	38600	189900	53400	294700	42000	232100	5300	30700	0	0	1870400
2015	0	0	0	0	0	0	0	200	0	0															200

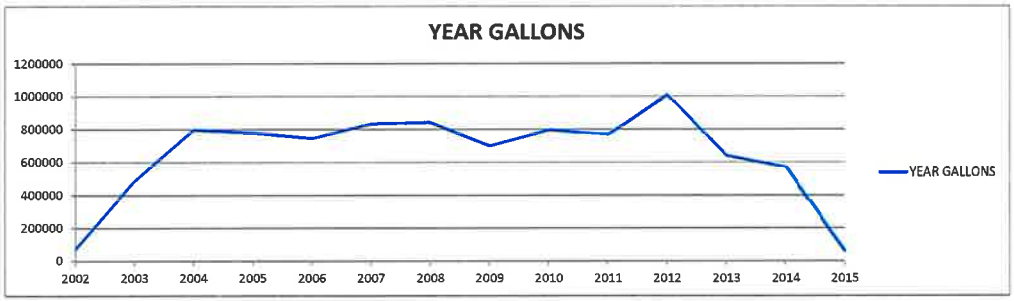


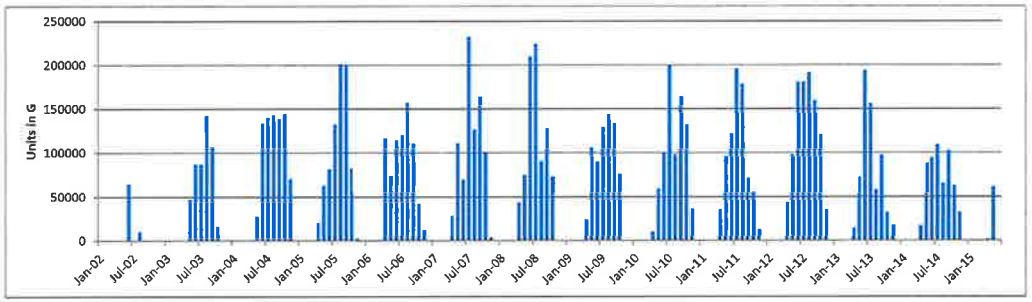


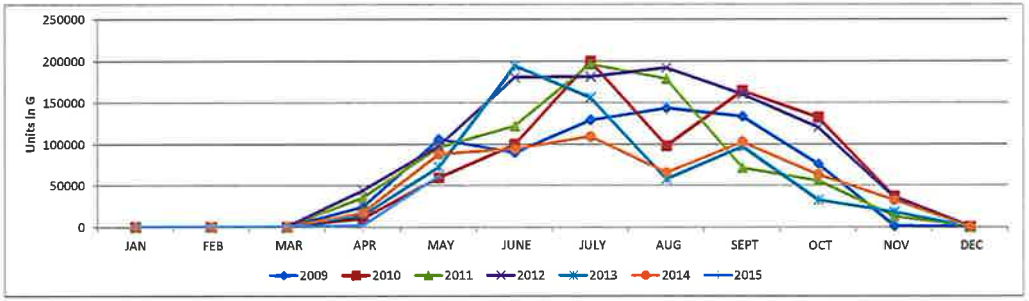


	Account #	Meter #	Size	Service Address
Young	357878	9937005	2"	31406

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	0	64700	100	10000	0	100	0	0	74900
2003	0	0	0	0	47200	86800	86900	142200	107100	15900	0	0	486100
2004	0	0	0	500	27200	133700	140300	143200	138800	144200	70500	0	798400
2005	0	0	0	20000	62700	81300	132500	201100	199500	82300	2000	0	781400
2006	0	0	0	116900	73400	114000	120400	157300	110400	42400	12200	0	747000
2007	0	0	0	27800	110900	69500	232500	126800	164000	100000	3100	0	834600
2008	0	0	100	43400	74400	209900	224100	90200	128000	72700	300	0	843100
2009	0	0	0	23600	106000	89900	129200	143300	133400	76000	800	0	702200
2010	0	0	0	9700	59200	99600	199600	97900	164000	132200	36300	0	798500
2011	0	0	0	35300	96100	122000	196200	178600	71300	55500	12700	0	767700
2012	0	0	0	43900	97900	180600	180900	191800	160000	120300	35500	0	1010900
2013	0	0	0	13700	72400	194300	156300	57900	97100	32200	17700	0	641600
2014	0	0	0	16900	87900	94000	109200	65400	102400	62900	32000	0	570700
2015	0	0	0	1500	61200								62700

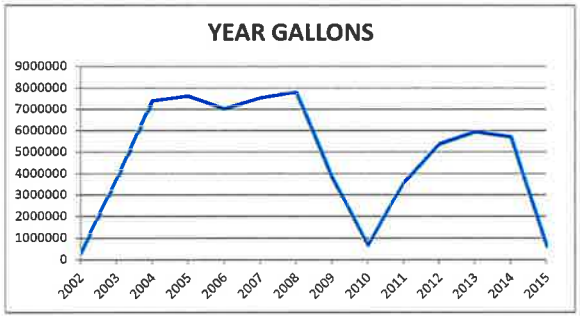






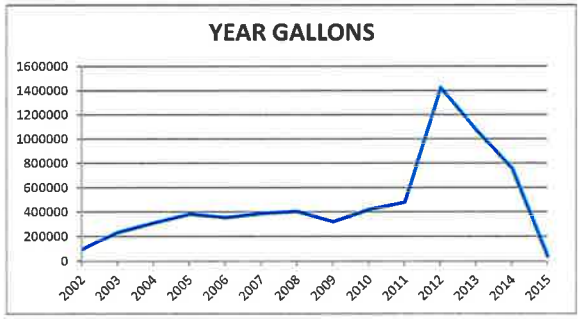
	Account #	Meter #	Size	Service Address
ASHBAUGH	359582	99291642	3"	31019

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	158900	138000	22500	0	0	0	0	0	319400
2003	0	0	0	0	0	696800	1143000	749200	398800	301500	423400	0	3712700
2004	0	0	0	20300	1176100	1672000	1662200	987800	1111400	709900	70400	0	7410100
2005	0	0	0	0	350300	2259600	1335700	1760600	1052900	603500	269200	0	7631800
2006	0	0	0	1227000	1337300	1973000	725600	577600	555400	508200	131200	0	7035300
2007	0	0	0	225900	708700	734500	1927309	1173800	1838000	858300	75200	0	7541709
2008	0	0	0	250300	1322700	1373100	1787200	1384300	901400	683900	109400	0	7812300
2009	0	0	0	195300	814400	649400	999500	697300	502000	500	100	0	3858500
2010	0	0	0	100	1600	5000	4700	1800	2700	507900	151300	0	675100
2011	0	0	0	421200	293100	767300	632100	792400	408000	283100	400	0	3597600
2012	0	0	0	210900	616000	42600	34900	1362100	1448600	1308100	361100	0	5384300
2013	0	0	0	304500	593000	1427800	1076000	735600	1413900	260000	144200	0	5955000
2014	0	0	0	79300	938100	1030600	1081800	600700	955600	735000	295200	0	5716300
2015	0	0	0	9100	629900								639000



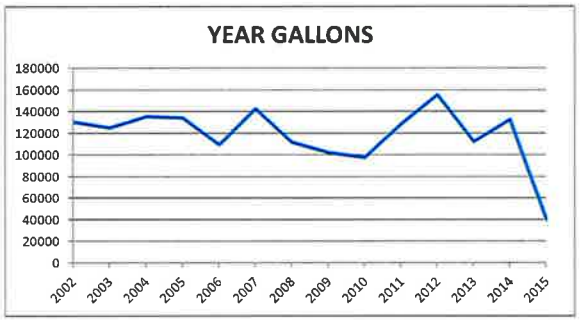
		Meter #	Size
		99291641	3"

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	30100	26700	28800	8200	0	0	0	0	0	93800
2003	0	0	0	0	6600	56300	53100	49700	26100	19100	23100	0	234000
2004	0	0	0	1100	46800	68300	72500	44800	47200	28600	2700	0	312000
2005	0	0	0	0	16500	113300	61100	92700	55300	32100	14000	0	385000
2006	0	0	0	60100	64500	102200	38800	30400	28500	25200	6400	0	356100
2007	0	0	0	11000	34900	40800	102800	58200	90500	48300	3800	0	390300
2008	0	0	0	12500	65600	69700	90300	70800	27300	0	68800	0	405000
2009	0	0	0	14600	62100	48300	66500	35200	66000	22200	6800	0	321700
2010	0	0	0	12900	40300	84000	86100	53400	73000	61500	9000	0	420200
2011	0	0	0	44100	29700	98700	93100	117500	59300	40400	0	0	482800
2012	0	0	0	71100	219800	163800	227000	237900	208800	202700	95000	0	1426100
2013	0	0	0	58600	93100	222000	187700	203700	258100	32200	17800	0	1073200
2014	0	0	0	10000	120000	132500	135200	74600	116500	163000	7400	0	759200
2015	0	0	0	37400	400								37800



		Meter #	Size
		9957632	1"

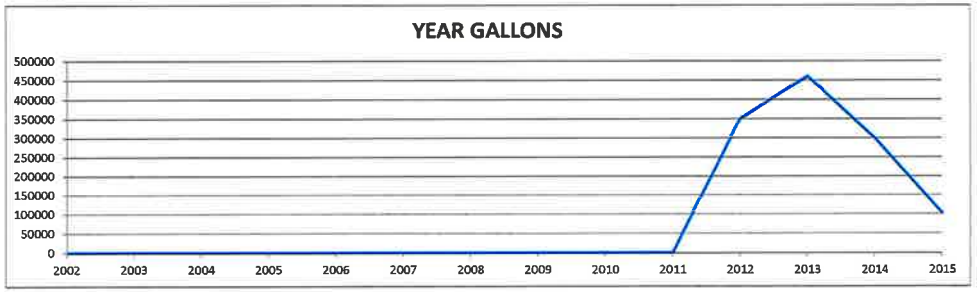
YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	12400	10900	11300	10600	13400	12400	10000	9900	9100	8900	10700	10800	130400
2003	9800	10700	0	20200	8900	9400	12000	11400	11100	13100	8100	10300	125000
2004	10300	10500	10800	9400	12000	13200	14800	11200	17600	7800	9300	8400	135300
2005	10000	10500	10500	9800	8300	14400	16500	10100	12200	8800	10200	12900	134200
2006	10800	10000	8800	11100	10500	15100	11500	13400	2800	100	3700	11400	109200
2007	10700	11400	10600	9900	13000	30500	7500	0	21600	10500	7300	9500	142500
2008	9500	10300	9800	11000	9700	9500	11000	7700	7400	9700	8300	7600	111500
2009	9800	7100	8100	8600	7400	8100	7400	9300	9200	9000	9300	8800	102100
2010	9800	8400	8000	9300	12500	10800	9500	8600	7400	2000	6600	4800	97700
2011	900	0	0	0	12000	0	0	0	0	0	115600	0	128500
2012	15700	6400	6100	6100	8600	36200	18000	14500	14800	14500	8700	6000	155600
2013	6400	6600	6100	8200	11800	17500	9000	10200	14500	7700	6800	7400	112200
2014	6500	7400	7800	11400	17900	20500	15700	11100	14200	8800	5100	6300	132700
2015	5400	4400	4800	14700	10600								39900

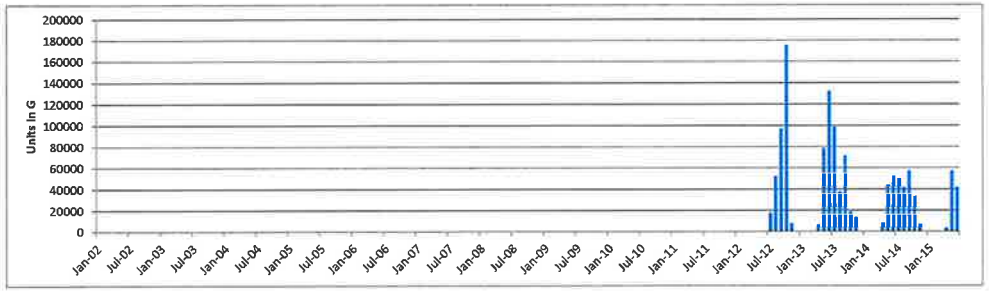


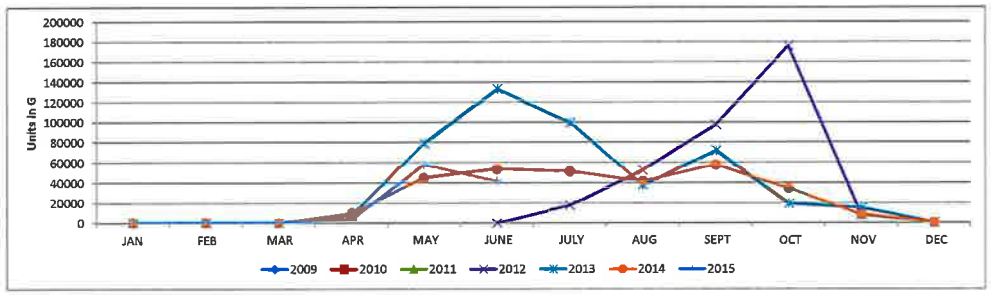
	Account #	Meter #	Size	Service Address
Cielo Vista	558413	9958991	1 1/2"	47167

1058 Calle Carmelita

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002													0
2003													0
2004													0
2005													0
2006													0
2007													0
2008													0
2009													0
2010													0
2011													0
2012						0	17600	52200	97100	175800	7800	0	350500
2013	0	0	0	7400	78700	132400	99300	37700	71600	19100	14600	0	460800
2014	0	0	0	9400	44900	53200	51000	41800	57400	34200	8000	0	299900
2015	0	0	0	3600	57300	41700							102600

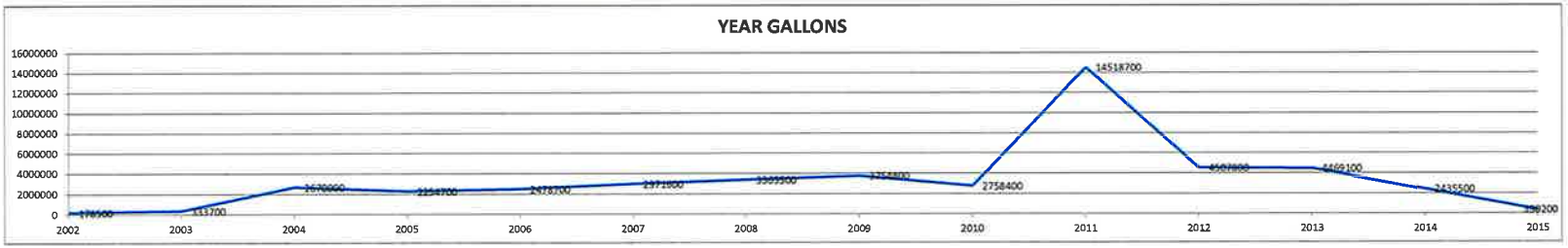


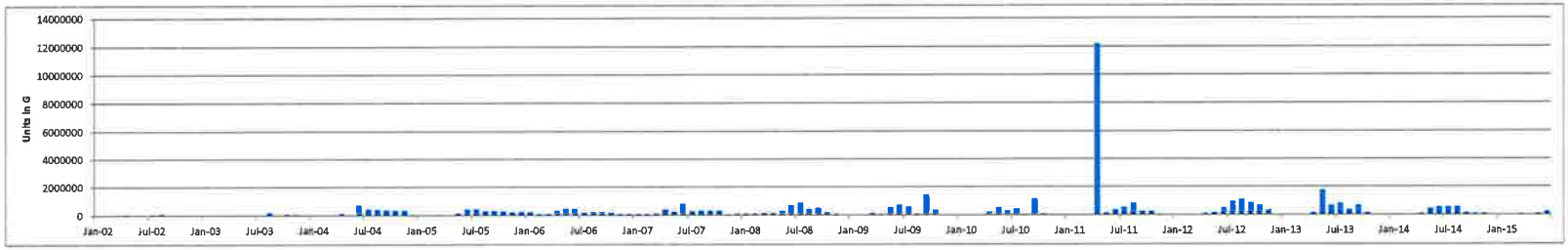


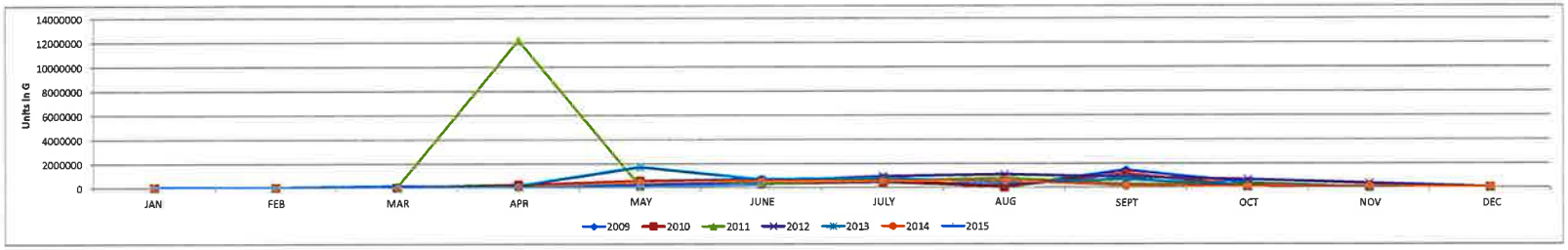


Frenchy's Field	Account #	Meter #	Size	Service Address
	360989	99355281/2	4"&4"	31810

YEAR	JAN A	JAN B	FEB A	FEB B	MAR A	MAR B	APR A	APR B	MAY A	MAY B	JUNE A	JUNE B	JULY A	JULY B	AUG A	AUG B	SEPT A	SEPT B	OCT A	OCT B	NOV A	NOV B	DEC A	DEC B	TOTAL YEAR GALLONS
2002	0	0	0	2300	300	7000	2000	43500	0	500	1000	20500	2000	38500	1900	58000	0	500	0	500	0	0	0	0	178500
2003	0	500	0	500	0	0	0	500	0	1500	0	1000	1300	28500	7900	165000	1900	13500	3400	71000	1700	35500	0	0	333700
2004	0	0	0	500	0	0	800	114700	0	12800	16500	662500	21300	402000	19000	371500	15700	345000	7000	319500	7700	326000	0	27500	2670000
2005	0	0	0	0	0	0	0	500	1800	121300	132000	291800	218500	198400	135000	144700	211400	93800	210000	58300	193400	0	217200	26600	2254700
2006	194800	21400	49800	13400	40300	3800	291600	15000	433800	0	387400	64700	122600	65200	186900	32000	183500	35600	171500	20300	72000	700	72000	400	2478700
2007	56800	0	58800	0	52100	0	89400	313600	199600	53400	233000	571600	202400	71700	250900	56800	223800	82000	258700	55900	53500	300	87000	300	2971600
2008	80000	0	94900	0	71500	15000	71600	78100	92900	188200	121700	564900	42600	806800	0	406500	0	488000	0	170000	0	72800	0	0	3365500
2009	0	200	0	200	61700	0	26700	23000	104400	423400	164300	516000	131300	457100	0	57900	359600	1069300	123700	235400	0	600	0	0	3754800
2010	0	0	0	0	0	0	18700	198000	380700	155600	118400	196000	157500	286000	34200	800	287800	841900	72400	5400	5000	0	0	0	2758400
2011	0	0	0	0	0	0	6126000	6062000	26300	99600	76200	268800	120300	412100	150500	649700	72300	180100	69300	168100	13100	24300	0	0	14518700
2012	0	0	0	0	0	0	38800	41400	60100	94600	115300	382100	175400	749600	109200	953400	96200	732500	75600	557400	48100	278100	0	0	4507800
2013	0	0	0	0	0	0	69200	74700	223400	1504900	74400	572200	106700	688700	58600	289600	92400	564500	45200	83300	15200	6100	0	0	4469100
2014	0	0	0	0	0	0	66500	3700	74300	355200	108200	424900	105300	419500	53400	504100	46600	81400	6400	70700	48300	39200	27800	0	2435500
2015	33200	0	24100	0	21300	0	21500	0	36600	25300	61300	166900													390200

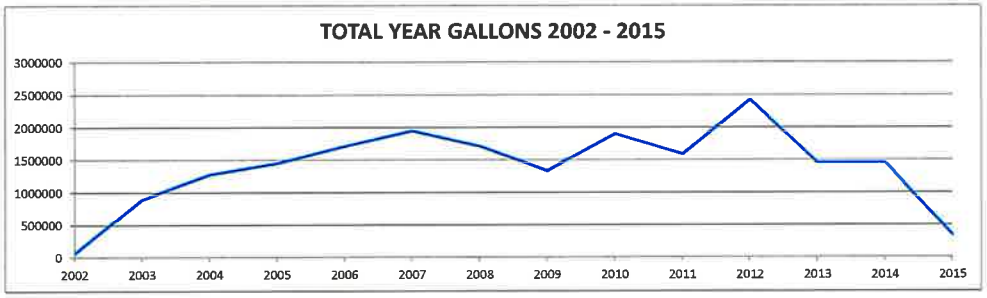


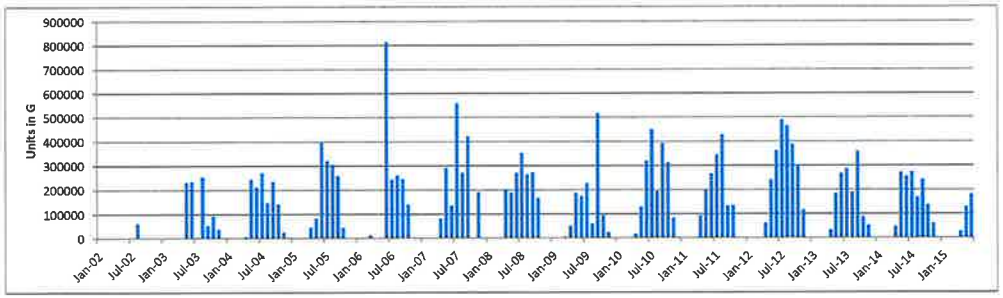


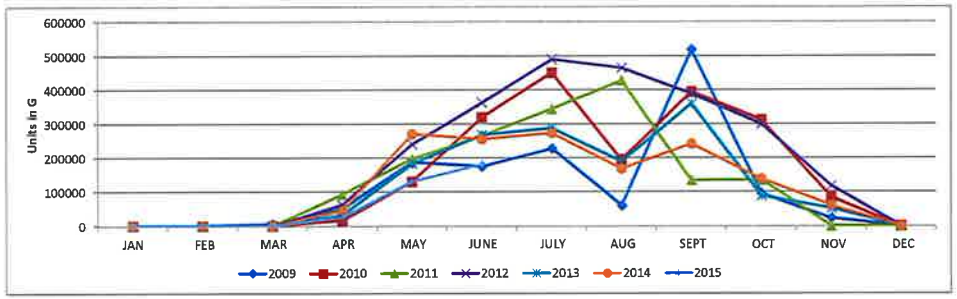


	Account #	Meter #	Size	Service Address	System DU report =
Gregory Lopez	360284	9932480	2"	31194	43.67%
1230 San Felipe Ave					

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	0	60300	0	0	0	0	60300
2003	0	0	0	0	231200	234700	2900	253600	51700	92600	37300	0	904000
2004	0	0	0	4600	244200	212400	271100	147800	235300	141500	24100	0	1281000
2005	0	0	0	44700	82400	396100	320900	304300	258400	43500	2100	0	1452400
2006	0	0	11400	0	0	815700	243200	259600	244100	141000	0	0	1715000
2007	0	0	0	80100	292000	135900	559800	270800	422400	0	190800	0	1951800
2008	0	0	0	200200	188600	269700	352300	262800	273100	165700	0	0	1712400
2009	0	0	5200	50700	186600	174600	227700	60000	518400	94900	23200	0	1341300
2010	0	0	0	17100	129900	319800	450400	195600	394000	312400	83800	0	1903000
2011	0	0	0	92700	197600	266200	344100	427400	133600	134800	0	0	1596400
2012	0	0	0	62300	240600	362400	490100	464800	388300	299900	116700	0	2425100
2013	0	0	0	32300	183000	267800	287200	189500	359000	87600	51800	0	1458200
2014	0	0	0	45500	271000	255400	273800	168300	241600	138200	60900	0	1454700
2015	0	0	0	26200	130700	180900							337800



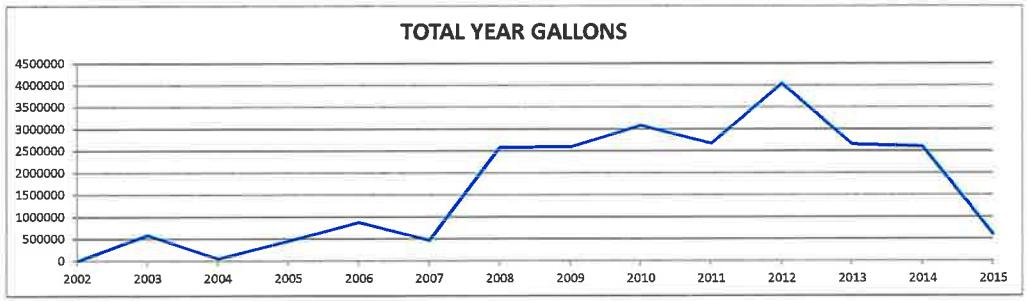


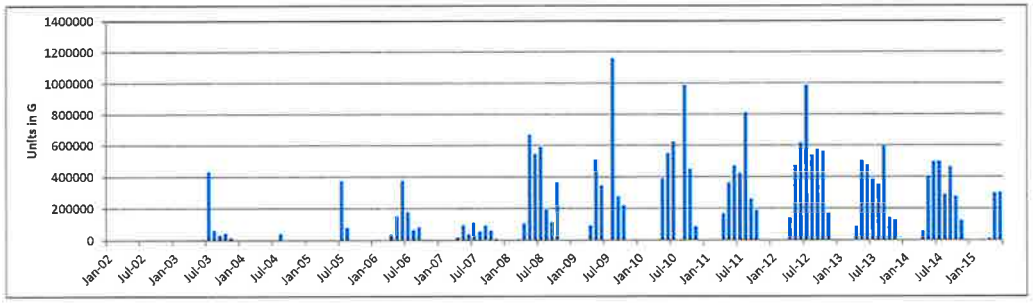


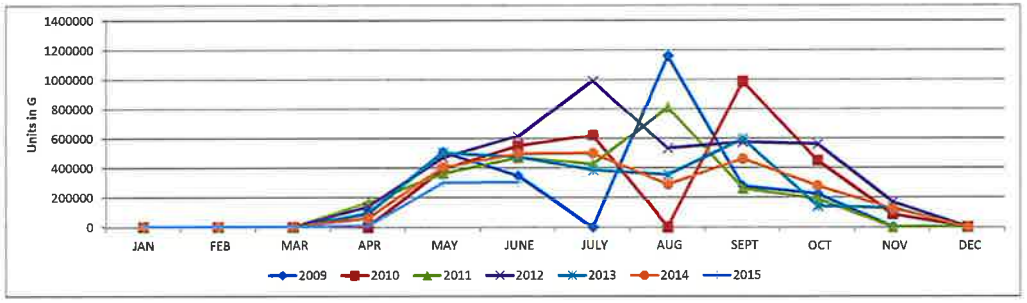
	Account #	Meter #	Size	Service Address
Larragoite	359638	9914907	3"	32034

Agua Fria & Avenida Cristobal

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	1600	0	0	6400	432100	60600	30200	43100	14100	0	588100
2004	0	0	0	300	200	0	0	41400	4600	1800	200	0	48500
2005	0	0	0	0	0	3800	373900	78800	0	100	200	0	456800
2006	0	0	100	33500	148400	375800	175800	62500	82300	0	200	0	878600
2007	0	0	0	15600	93500	35600	110800	54600	91000	58200	8000	2500	469800
2008	100	3600	6200	104100	668500	544800	592000	193700	112700	363600	0	0	2589300
2009	0	0	0	92400	504800	345300	0	1160200	274400	221600	100	0	2598800
2010	0	0	0	0	390700	549100	623600	0	987900	448300	86300	0	3085900
2011	0	0	0	166000	361000	469600	422700	811900	258100	189000	0	0	2678300
2012	0	0	0	138000	469700	616200	989400	532000	572000	560300	167400	0	4045000
2013	0	0	0	87200	500100	472200	384700	351800	595300	139700	126200	0	2657200
2014	0	0	0	59800	403500	496000	498500	287600	460300	275700	122500	200	2604100
2015	0	0	0	6900	297800	300900							605600

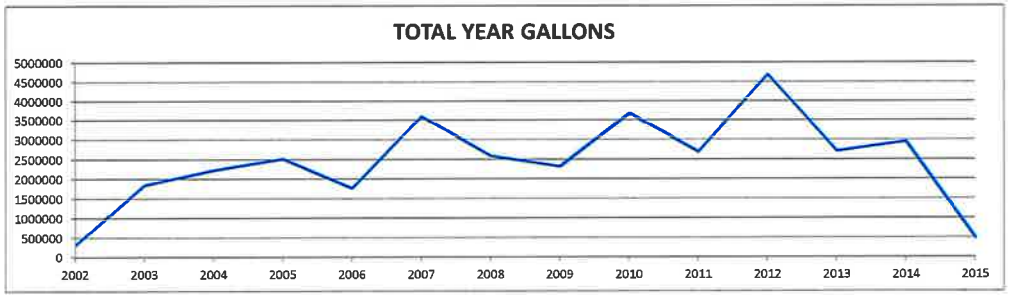


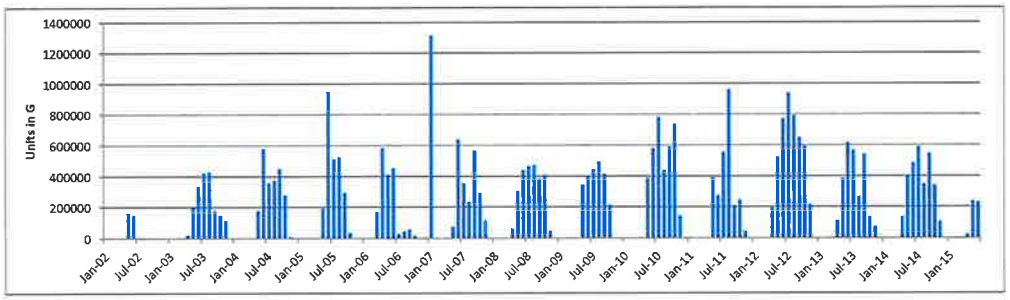


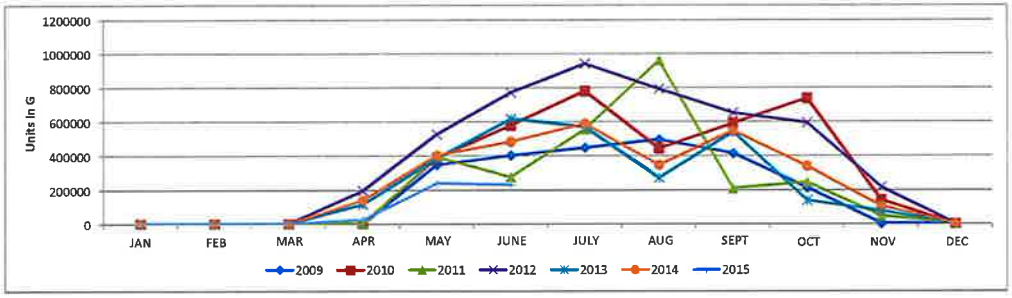


	Account #	Meter #	Size	Service Address		System DU report =
Las Acequias	360532	9933810	2"	31378		40.50%
1100 Calle Atajo						

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	2900	162700	148200	400	400	0	200	2000	0	316800
2003	0	0	0	17700	199400	334100	422000	428500	174700	150300	116900	0	1843600
2004	0	0	0	0	175500	580100	358900	373700	450000	277800	6900	0	2222900
2005	0	0	0	0	192800	950800	513900	528900	293600	35200	2800	0	2518000
2006	0	0	171200	583700	411400	454000	26900	42900	55100	15000	3500	2800	1766500
2007	1314200	0	0	1400	71200	638500	355100	236400	569300	293200	110700	0	3590000
2008	0	0	0	63000	306000	439500	466200	473000	383600	405900	48700	0	2585900
2009	0	0	0	0	346700	401200	446700	494300	413500	211700	400	0	2314500
2010	0	0	0	0	387900	579800	781300	443900	592100	738500	141200	0	3664700
2011	0	0	0	0	394100	275300	555400	961100	207700	244600	46900	0	2685100
2012	0	0	0	195000	526400	771400	941700	793900	651300	593700	215300	0	4688700
2013	0	0	0	114100	383900	615200	567800	269400	540600	136100	75100	0	2702200
2014	0	0	0	138500	402300	483400	589200	346800	547300	338700	105500	0	2951700
2015	0	0	0	21800	238300	228800							488900

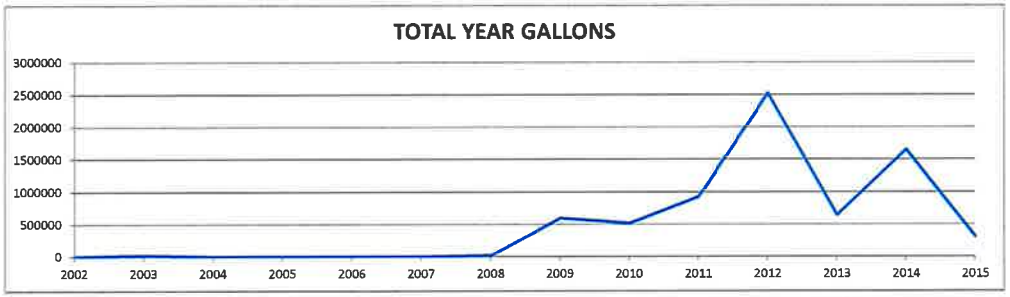


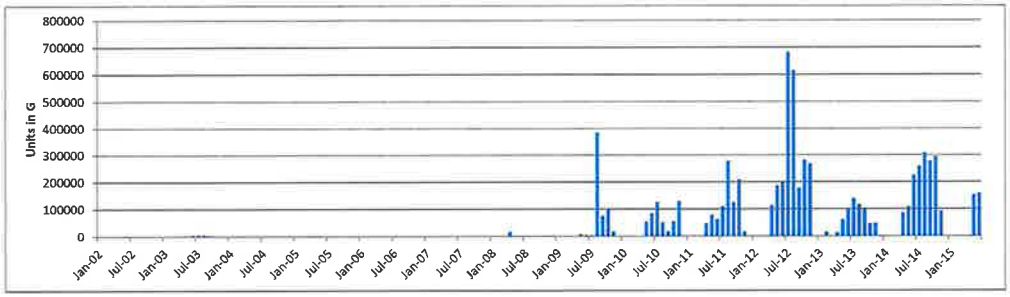


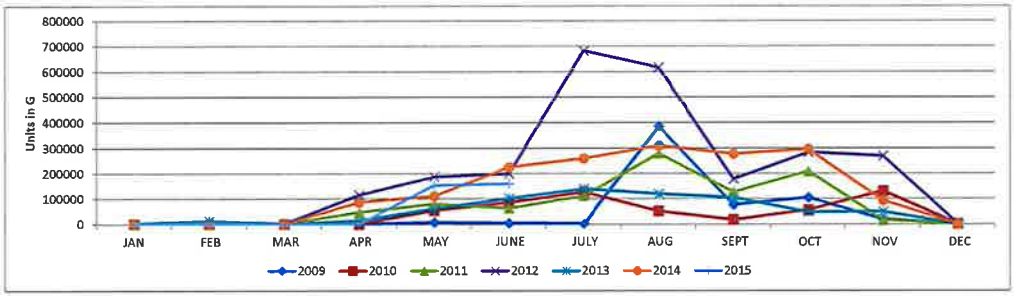


	Account #	Meter #	Size	Service Address	System DU report =
Los Milagros	357721	9950317	2"	31080	38%
4056 Los Milagros					

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	100	0	0	0	0	0	0	0	100
2003	0	0	0	0	900	4500	5400	4800	3100	0	0	0	18700
2004	0	0	0	0	100	0	0	0	0	0	0	0	100
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	100	0	0	700	0	0	0	0	0	0	800
2007	700	0	0	0	0	0	0	0	0	0	0	0	700
2008	0	0	0	16300	300	100	0	0	0	0	500	2700	19900
2009	0	0	0	600	6800	3800	2800	385200	75400	103100	17600	0	595300
2010	0	0	0	0	53500	84400	125700	51300	17300	55400	129400	0	517000
2011	0	0	0	46600	78700	62100	111400	279100	126400	209000	15600	0	928900
2012	0	0	0	114900	186800	198800	681500	615900	178200	282700	268100	0	2526900
2013	0	14700	0	12800	61100	101200	139000	118000	103900	47300	47800	0	645800
2014	0	0	0	85400	110100	224700	259200	309200	277400	295700	92600	0	1654300
2015	0	0	0	200	152500	158900							311600



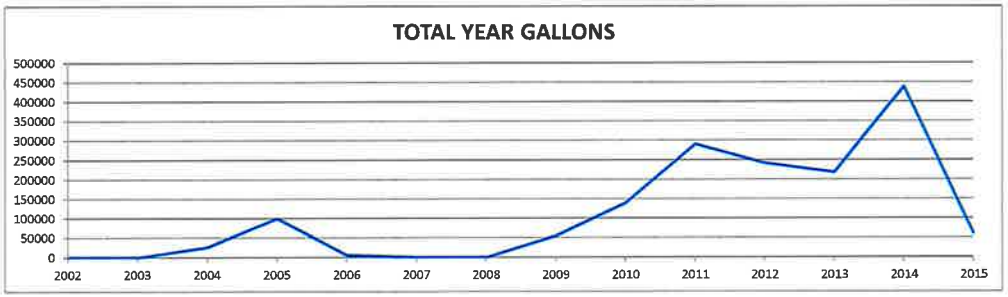


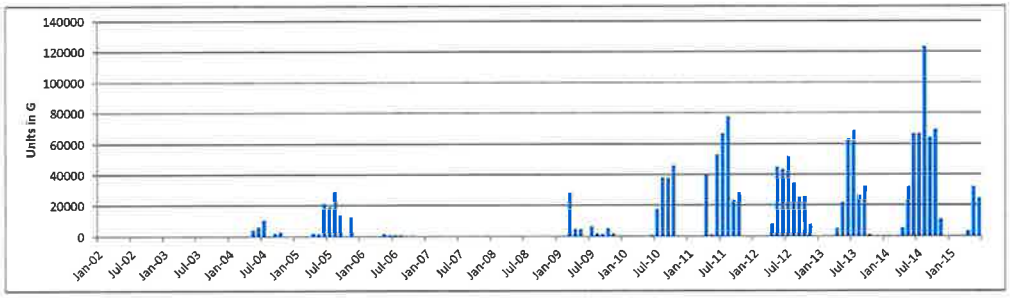


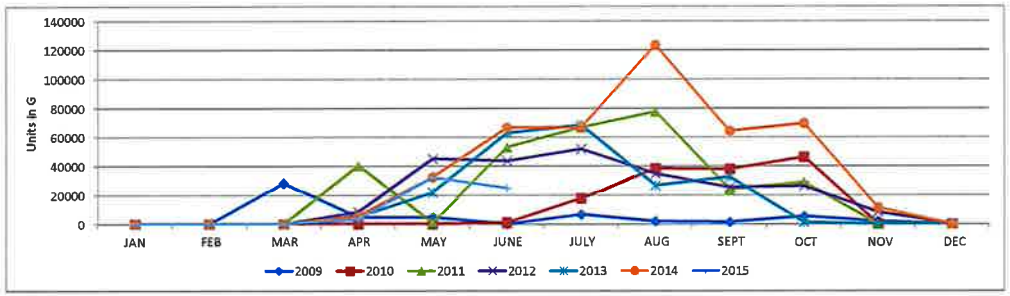
Candelero
2213 Brillante St

Account #	Meter #	Size	Service Address
359671	9956531	1 1/2"	31957

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	100	0	0	0	0	0	0	100
2004	0	0	0	0	4100	6100	10600	0	2100	2900	0	0	25800
2005	0	0	0	2100	1700	21300	19200	29100	14000	0	13100	0	100500
2006	0	0	0	0	1600	1100	900	800	700	500	100	0	5700
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	28400	4700	4700	0	6600	1900	1400	5300	1900	0	54900
2010	0	0	0	0	100	900	17600	38200	37800	46100	0	0	140700
2011	0	0	0	40300	1002	53100	66700	77700	23600	28700	100	0	291202
2012	0	0	0	8400	44900	43500	51700	34600	25200	26000	8300	0	242600
2013	0	0	0	5100	21900	62900	68200	26600	32500	1200	0	0	218400
2014	0	0	0	5500	32200	66500	66800	123400	64200	69500	11100	0	439200
2015	0	0	0	3500	32200	24700							60400

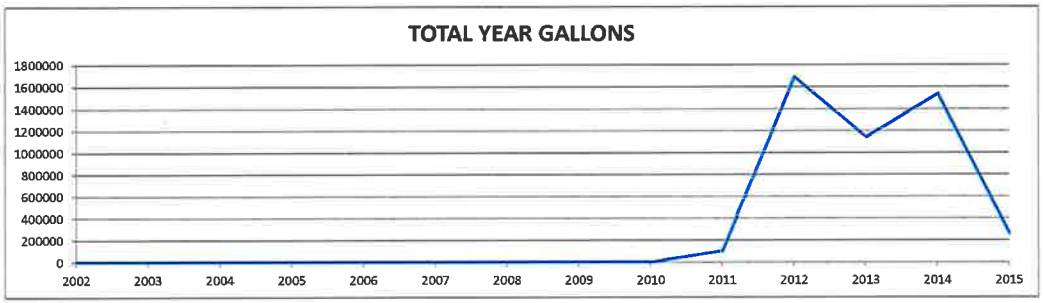


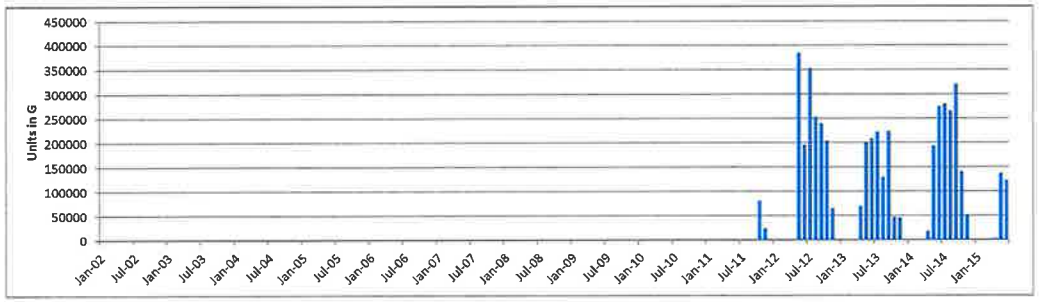


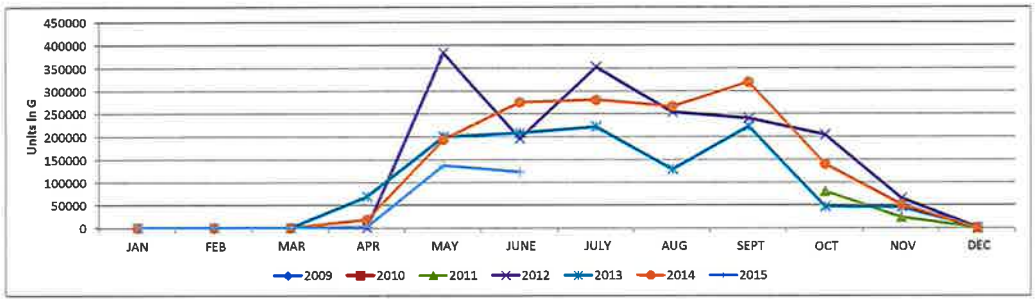


GCCC	Account #	Meter #	Size	Service Address
	554456	9940950	2"	47053

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002													0
2003													0
2004													0
2005													0
2006													0
2007													0
2008													0
2009													0
2010													0
2011										80400	23400	0	103800
2012	0	0	0	0	383900	195500	353100	253600	239800	204000	65000	0	1694900
2013	0	0	0	69300	200100	208300	221800	129200	223100	46900	45600	0	1144300
2014	0	0	0	17700	193600	275200	280500	266100	320200	140200	51300	0	1544800
2015	0	0	0	2400	137300	122600							262300

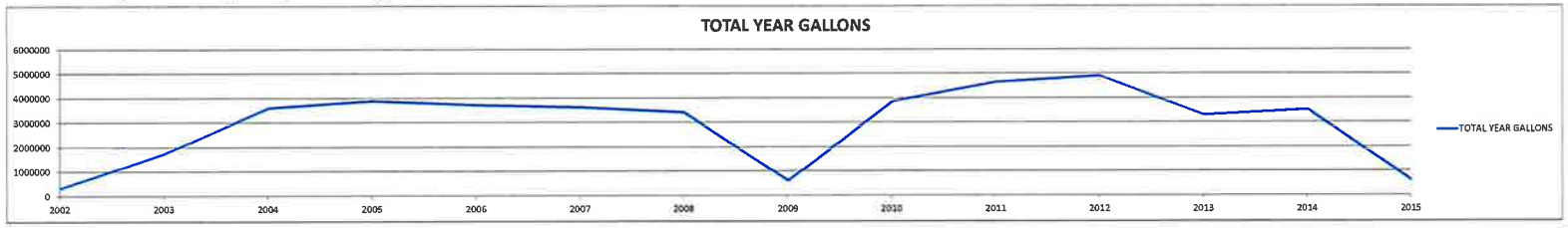


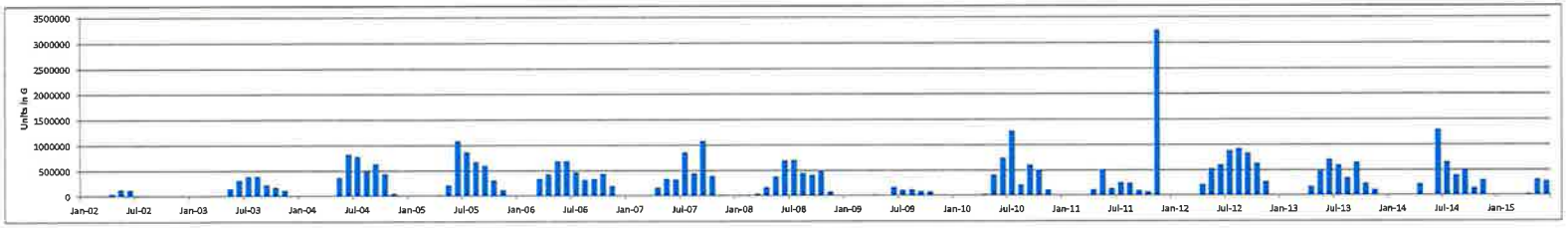


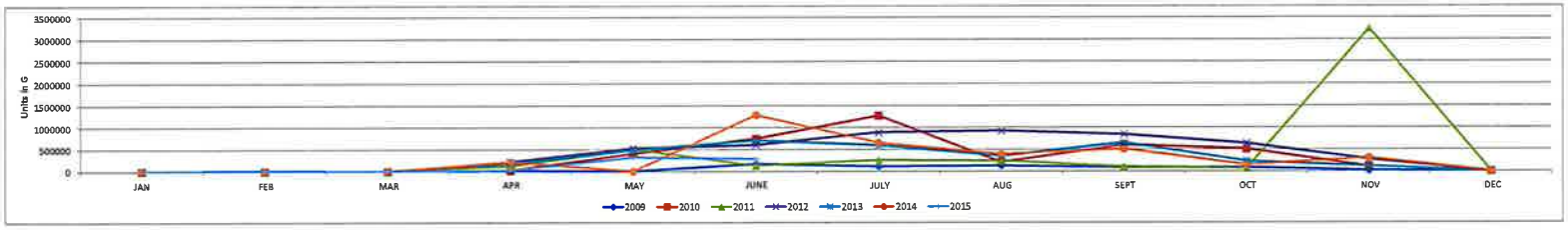


	Account #	Meter #	Size	Service Address
Herb Martinez	360575	99583441/2	4"&4"	31396

YEAR	JAN A	JAN B	FEB A	FEB B	MAR A	MAR B	APR A	APR B	MAY A	MAY B	JUNE A	JUNE B	JULY A	JULY B	AUG A	AUG B	SEPT A	SEPT B	OCT A	OCT B	NOV A	NOV B	DEC A	DEC B	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	12600	27600	25700	102500	23000	98400	2500	9300	300	0	300	0	400	1300	100	0	0	0	304000
2003	0	0	0	0	0	0	1000	4100	31600	112100	76300	236000	97200	285300	100700	289700	55900	163200	42800	126800	28900	84500	0	0	1736100
2004	0	0	0	0	0	0	1300	0	91400	276400	201200	620500	180100	600500	114100	374000	147100	489500	96300	343800	11500	37100	0	0	3584800
2005	0	0	0	0	0	100	2900	13000	47900	163600	231000	854000	178900	690400	153500	516700	84800	513600	0	310600	0	118100	0	0	3879100
2006	0	0	0	0	168000	3400	0	419300	246500	441000	174400	510800	117500	357300	65900	250800	92300	241700	114200	319300	58900	132500	0	0	3713800
2007	0	0	0	0	1400	300	58300	101100	78100	257700	76300	247400	145500	717700	268000	175600	128200	949100	53800	336300	15100	0	4900	0	3614800
2008	14300	0	17700	0	15800	0	22900	142800	56400	324800	111900	584600	95300	609100	64400	382400	64000	343500	117300	366900	11400	63500	0	0	3409000
2009	1200	0	2900	0	0	0	17400	0	1400	0	55900	111800	109100	700	123800	200	85700	1100	71900	8500	11200	0	0	0	602800
2010	0	0	0	0	0	0	20700	400	78000	329300	148000	595400	751900	518400	27200	185000	149300	454300	113500	391700	24300	82100	0	0	3869500
2011	0	0	0	0	0	0	20400	94300	126500	382300	131900	0	251000	0	239800	0	97500	0	62300	0	13100	3233300	0	0	4652400
2012	0	0	0	0	0	0	33600	183900	113600	412200	70400	532900	103200	780500	101600	818500	84200	753800	77000	557200	50100	221600	0	0	4894300
2013	0	0	0	0	0	0	20900	153500	57600	426500	82100	624800	68300	530600	41700	307100	80700	570000	101500	132100	27100	80200	0	0	3304700
2014	0	0	0	0	0	0	0	219800	0	0	145500	1143800	82000	575200	49300	346100	64100	442700	44800	100500	17100	287700	0	0	3518600
2015	0	0	0	0	0	0	2300	17800	44200	272100	38000	241900													616300

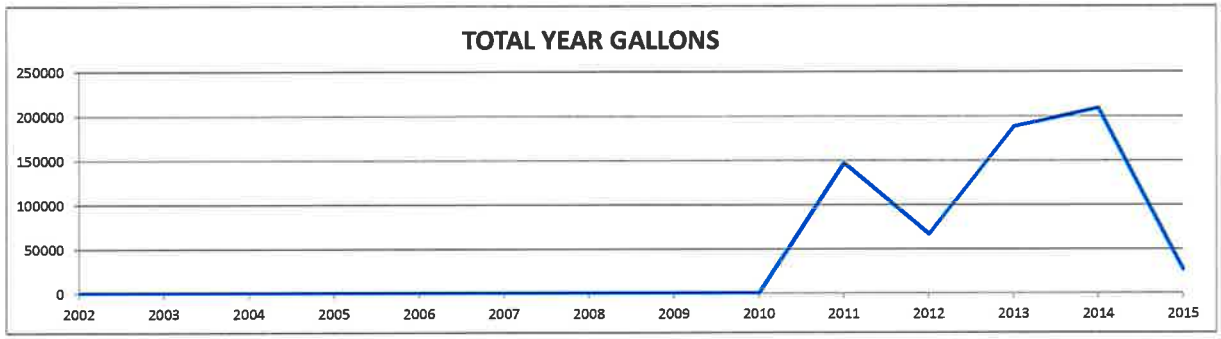


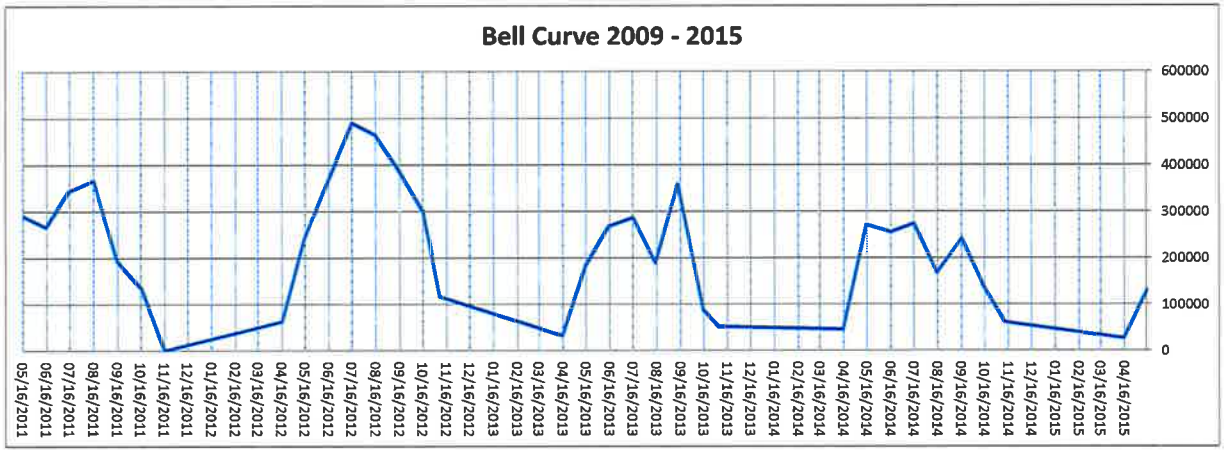




1270 W ALAMEDA ST IRR.	Account #	Meter #	Size	Service Address
	549714	9956523	1"	46489

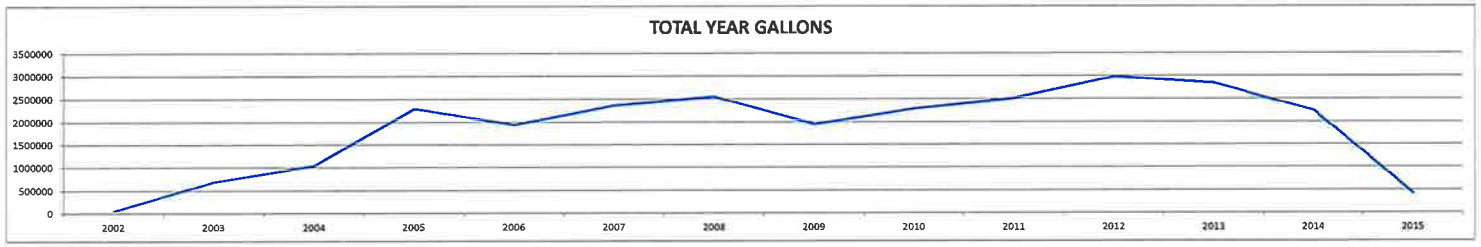
YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002													0
2003													0
2004													0
2005													0
2006													0
2007													0
2008													0
2009													0
2010													0
2011	0	0	0	0	0	0	0	0	0	0	147400	0	147400
2012	0	0	0	3400	12300	0	0	0	0	47800	3400	0	66900
2013	0	0	0	3200	32700	41400	39400	22900	34300	7300	7000	0	188200
2014	0	0	0	94100	16100	22800	22800	13600	21300	13100	5600	0	209400
2015	0	0	0	0	13900	12500							26400

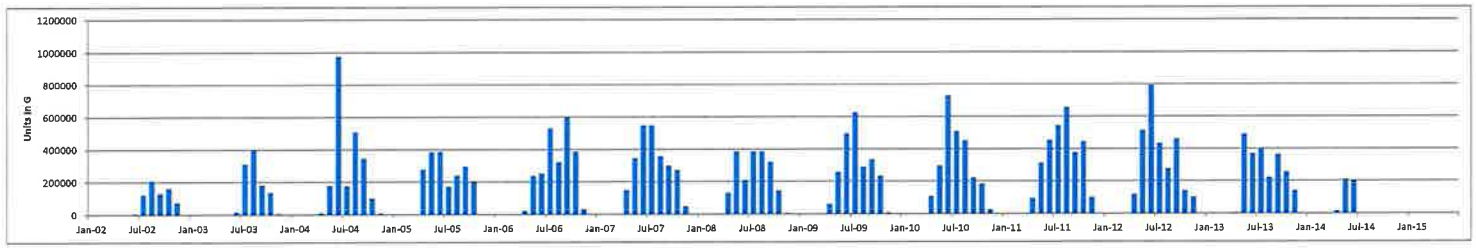


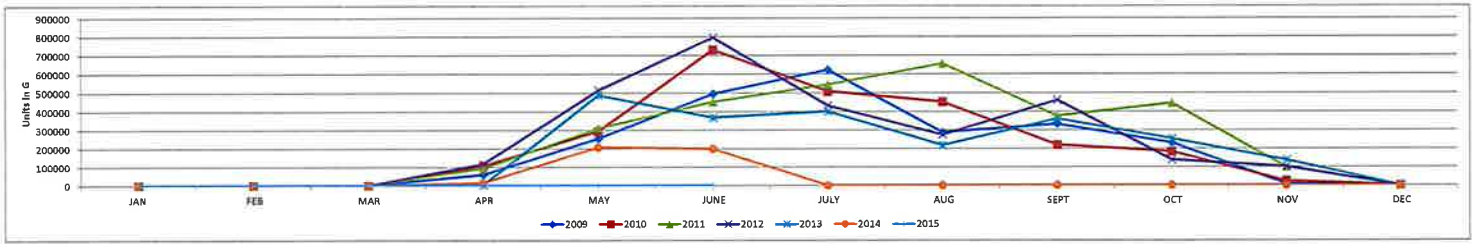


SF River - Feed Bin to St. Francis	Account #	Meter #	Size	Service Address
	360369	471391&2	4&4	31405

YEAR	JAN A	JAN B	FEB A	FEB B	MAR A	MAR B	APR A	APR B	MAY A	MAY B	JUNE A	JUNE B	JULY A	JULY B	AUG A	AUG B	SEPT A	SEPT B	OCT A	OCT B	NOV A	NOV B	DEC A	DEC B	TOTAL YEAR GALLONS
2002	0	0	0	0	0	0	0	0	0	0	61800	0	0	0	0	0	0	0	0	0	0	0	0	0	61800
2003	0	0	0	0	0	0	0	0	0	0	5000	0	121000	0	205000	0	128000	0	160000	0	73000	0	0	0	692000
2004	0	0	0	0	0	0	0	0	0	0	15000	0	309000	0	400000	0	180000	0	134000	0	5000	0	0	0	1043000
2005	0	0	0	0	0	0	8000	0	176000	0	976000	0	174000	0	453000	54700	217100	127500	23700	75200	0	6400	0	0	2291600
2006	0	0	0	0	0	0	44700	230200	94400	289300	47600	336900	45900	123900	37500	200100	37900	254100	28300	170300	100	0	500	0	1941700
2007	0	0	0	0	0	0	3600	15500	61200	173100	68300	180400	79200	450500	41000	277200	80200	521300	39300	345900	3600	28900	0	0	2369200
2008	0	0	0	0	0	0	16200	130400	35700	307500	58600	488600	60600	486900	41200	315100	37400	259900	42900	225100	13400	34200	0	0	2553700
2009	0	0	0	0	0	0	16100	112000	46400	338900	25700	179200	48100	337600	44500	338500	35400	282700	15000	126900	1700	2200	0	0	1950900
2010	0	0	0	0	0	0	13000	45800	22700	232600	61500	434400	73400	549900	31900	255300	37200	296000	45700	185700	6700	400	0	0	2292200
2011	0	0	0	0	0	0	25700	81100	34900	257700	54500	675000	60400	446700	52400	398500	24500	194400	16800	165700	1900	21700	0	0	2511900
2012	0	0	0	0	0	0	12600	81300	41600	268700	58100	394800	76700	466800	89600	566200	51200	325000	62100	382800	14300	84700	0	0	2976500
2013	0	0	0	0	0	0	87000	30600	220500	292600	416600	378100	97000	336000	46200	228400	77400	383700	19000	118600	17600	82700	0	0	2832000
2014	0	0	0	0	0	0	600	2700	84400	405300	62800	305000	62200	339100	39100	179400	57700	304100	38500	214700	21200	117000	0	0	2233800
2015	0	0	0	0	0	0	3700	11000	66300	140400	57200	141300													419900

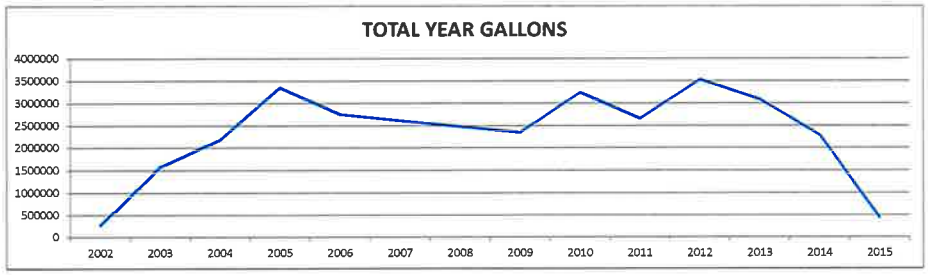


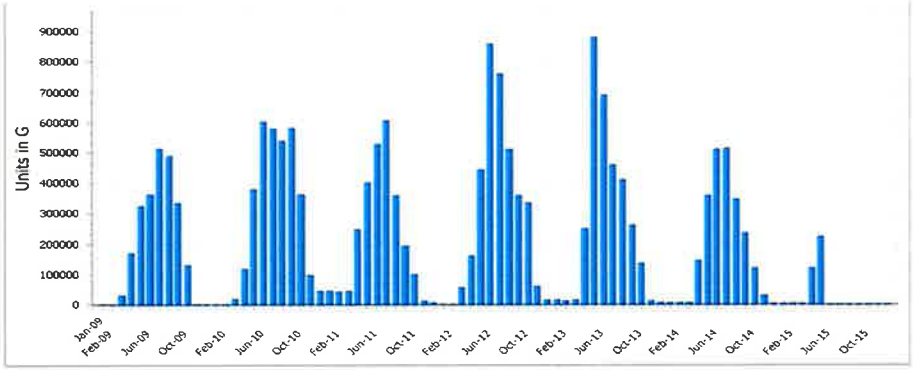


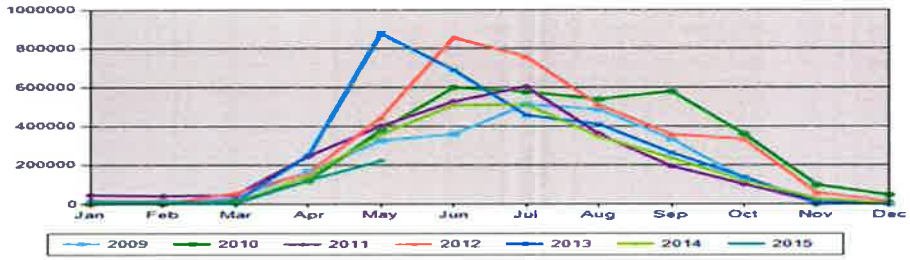


	Account #	Meter #	Size	Service Address
Monica Lucero 2356 Avenida De Las Campanas	358627	9959516	2"	31386

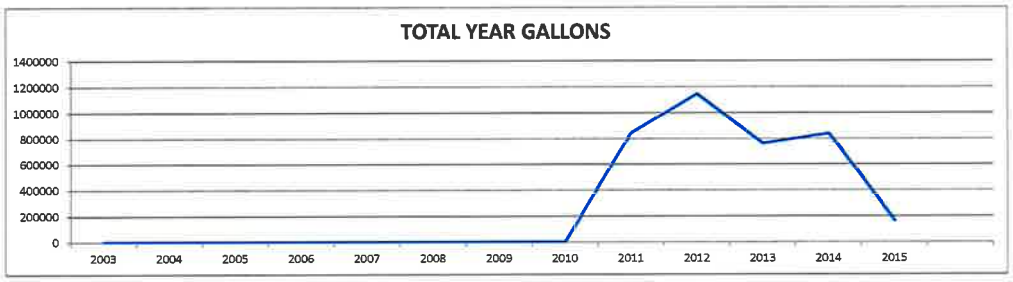
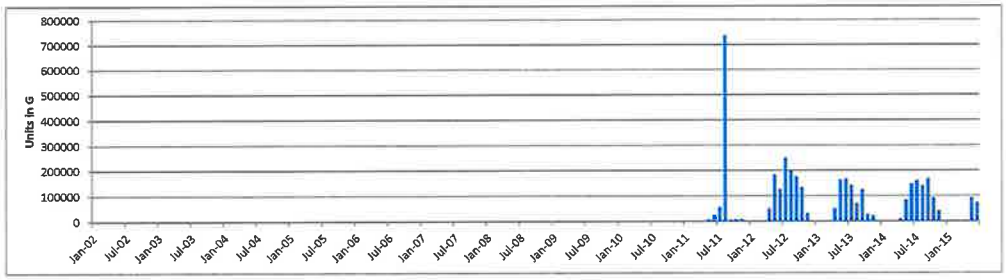
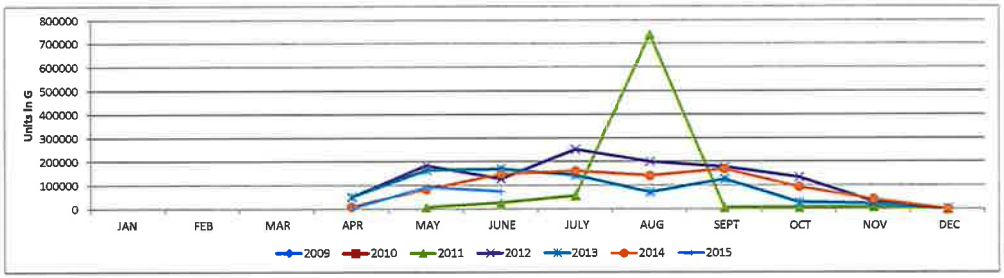
YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002				2400	102900	132800	200	0	0	17400	16700	0	272400
2003	0	0	3100	25100	72700	352200	307600	352800	222300	181300	72200	0	1589300
2004	0	0	0	44600	256300	811700	467400	225200	319300	63200	0	0	2187700
2005	0	0	0	0	142100	871500	759300	686200	619300	209400	65500	0	3353300
2006	0	0	6700	331800	391300	549100	363400	220600	254300	483100	154300	0	2754600
2007	0	0	0	36300	179300	272200	566400	409100	716800	321900	117600	0	2619600
2008	0	0	0	151500	407200	639700	402200	339400	254200	232600	53300	0	2480100
2009	0	0	0	87000	333500	284800	457800	520400	448100	218700	0	0	2350300
2010	0	0	0	45900	237400	539400	728200	352500	714900	470600	156400	0	3245300
2011	0	0	0	229200	452600	350600	705900	502800	217100	180500	20500	0	2659200
2012	0	0	0	115000	263000	723800	834300	683700	326900	413400	168600	0	3528700
2013	0	0	0	410300	279600	805000	630700	274000	474500	122200	85800	0	3082100
2014	0	0	0	40000	281500	437100	623900	360400	323100	159900	66700	0	2292600
2015	0	0	0	12800	239500	197400							449700







	Account #	Meter #	Size	Service Address
Nava Ade 4371 Laughing Crow Ln	552175	9957709	2"	46808

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL YEAR GALLONS
2002													0
2003													0
2004													0
2005													0
2006													0
2007													0
2008													0
2009													0
2010													0
2011					6500	25100	55500	737300	5856	6257	7900	0	844413
2012				48100	183200	126100	251100	199100	175700	133400	31100	0	1147800
2013				50400	162700	167500	141600	70200	125100	26700	21600	0	765800
2014				9600	82800	146500	160000	140200	168400	93300	41400	0	842200
2015				1400	91500	72600							165500

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