

Project No. 370-01-1999

2011 Annual Report on Water Use and Mitigation for the Sam's Hollow Water Company

Prepared for:

Sam's Hollow Water Company
Bear Lake, Idaho

March 22, 2012

For information concerning this report, contact
Greg W. Sullivan, M.S., E.I.T.
Charles G. Brockway, Ph.D., P.E.



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2016 NORTH WASHINGTON, SUITE 4
TWIN FALLS, IDAHO 83301

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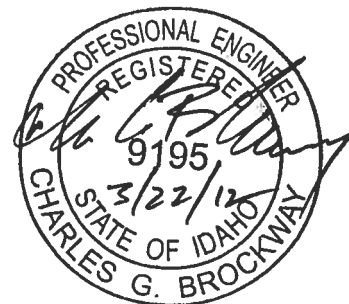
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Brockway Engineering, PLLC
March 22, 2012

Introduction

The Water Management and Operations Plan for Mitigation (the "Plan") dated June 19, 2006 for Sam's Hollow Water Company requires an annual report of water use on residences and facilities in use during the year. The reporting requirements are outlined in the Plan, which was submitted to the Idaho Department of Water Resources. The Plan requires the submittal of the number and type of facilities (residences, commercial, and other) utilizing ground water during the year, the estimated depletion to Bear Lake resulting from the occupancy of the facilities, irrigated acres taken out of production within the project, and the volume of mitigation water returned to Bear Lake through the mitigation facilities.

The mitigation facilities consist of conveyance channel which delivers water from the end of the irrigation system to a pipeline which conveys water to Bear Lake from Fish Haven Creek. Water delivered through the irrigation system and mitigation pipeline is measured through a flow meter before it returns to Bear Lake.

Sam's Hollow Water Company has shares in Fish Haven Water Users for delivery through three ditches from Fish Haven Creek to the project. Deliveries into the ditches are measured through calibrated flumes. During 2011, deliveries through Ditch No. 3, the lower ditch, were the source of water for mitigation. A portion of the flow through Ditch No. 3 was delivered into a pond and thence through the flow meter and into Bear Lake.

Project Build-Out

In 2006 there were no homes or water-using facilities in use on the Project. Project build out during 2007 was minimal with only one residence being furnished water. In 2008 there were an additional 9 units constructed and the club house was completed in 2008. There were 4 units constructed in 2009. In 2010 there were 3 additional units constructed. There were 6 residential households constructed in 2011 for a total of 22 residential households and 1 commercial structure. Locations of the residences are shown on the attached map.

Irrigated Acres

Mitigation for water use on residential and commercial units requires that irrigated acres formerly supplied with surface water be dried up to compensate for consumptive use depletion of the development. The 2008 annual report documented the fact that 2.05 acres had been removed from irrigation due to construction of roadways (note that other roads were in place prior to the approved mitigation plan and are not accounted for). The assumed area of house footprints, driveways, and other hardscape areas per residence is 4,000 ft². The assumed area of turf, garden area and landscaping areas per residence is 5,000 ft² for a total displaced area of 9,000 ft² per residence. The approximate area removed from irrigation for the clubhouse, pool area and parking lot is 1.0 acres or 43,560 ft². Seven homes, for a total of 4.5 acres, were constructed within the water right area. Based on procedures developed by Dr. Robert Hill and adopted in the Bear River Ground Water Management Plan, the consumptive depletion for grass pasture is 1.18 ac-ft/acre/year.

Estimated Project Depletion

The estimated consumptive depletion from residences and other facilities was determined using procedures developed by Dr. Robert Hill and adopted in the Bear River Ground Water Management Plan. For the Sam's Hollow system, the depletion values for potable water and irrigation of residences and commercial facilities were developed and included in the Plan for the project. Table 1 was developed to assist in estimating depletion each year based on the facilities build out. Table 1 shows the annual unit depletion and the number of units on line in 2011. The total estimated

depletion from the twenty three (23) units and club house on line in 2011 is 10.23 acre feet.

Table 1. Depletion analysis for Sam's Hollow Water Company in 2011. All depletions are in acre-feet annually.

Entities with On-Site Sewage Disposal

	Unit Depletion	Occupied Units	Total Depletion
Domestic Potable Water - Homesites	0.03	1	0.03
Irrigation - Homesites	0.14	1	0.14

Entities with St. Charles Sewer District Service

	Unit Depletion	Occupied Units	Total Depletion
Domestic Potable Water - Homesites	0.19	22	4.18
Irrigation - Homesites	0.14	22	3.08

Domestic/Irrigating - Condominiums (Per Building = 4 units)	0.5	0	0.00
Irrigation - Condominiums	0.14	0	0.00

Potable Water - Commercial	2.8	1	2.80
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All Depletion Values are in Acre-Feet Annually

The annual depletion value is based on a rate of 40.2% occupancy

Total Homesites	23
Total Condominiums	0
Total Commercial Sites	1
Total Depletion	10.23 afa

Water Supply Available for Mitigation

The 140.5 shares in Fish Haven Water Users owned by Sam's Hollow Water Company can be diverted through any of three ditches: the Upper North Ditch, Number 1 Ditch, and Number 3 Ditch. Each ditch has been instrumented with water measuring flumes and flow measurements have been recorded since May 22, 2004. The flumes were installed by the Fish Haven Water Users Company with assistance from Sam's Hollow Water Company and are being monitored by Sam's Hollow Water Company.

During 2011, discharge readings were obtained from June 2, 2011 through October 17, 2011 and are shown on the attached spreadsheet. This log shows that there was approximately 5165.5 acre-feet of irrigation water diverted into Upper North Ramped Flume, Ditch No. 1 and Ditch No. 3 during the irrigation season of 2011, of which 152.10 acre-feet was allotted to Sam's Hollow Water Company.

Correspondence with Brent Skinner on March 12, 2010 indicated that 22.2 acres of previously irrigated land covered by the 140.5 shares in Fish Haven Water Users was dried up in 2009.

Mitigation Water Returned to Bear Lake

Water was returned to Bear Lake via the mitigation pipeline and was measured by the flow meter located just east of the Fish Haven Cemetery. The pipeline, conveying water from the retention pond, under the highway, and to Bear Lake is an 8-inch PVC pipe with a Siemens SITRANS FM electromagnetic water meter Type MAG 8000 installed in the pipeline (see attached photograph). The meter has a totalizer and instantaneous discharge readout which reads in gallons and gallons per minute. The meter is maintained by Sam's Hollow staff.

The meter was installed in 2007 to record the mitigation water volume. For the 2011 season, mitigation flow commenced to Bear Lake on October 14, 2010. The mitigation flow turn terminated on November 15, 2010. Table 2 shows the mitigation pipeline flow meter readings

Table 2. Flow Meter Readings for the Sam's Hollow Mitigation pipeline

Date	Time	Totalizer Reading (gallons)	Volume (acre-feet)	Mitigation Volume (acre-feet)
8/2/2011	-	0	0	0
9/15/2011	-	5,865,336	18.0	18.0

The total volume returned to Bear Lake during the 2011 irrigation season was 18.0 acre feet, which exceeded the total mitigation requirement for the 23 residential units and the club house of 10.23 acre feet. The consumptive use reduction appurtenant to the 4.5 acres removed from irrigation provided 5.31 acre feet to mitigate for the project depletion in 2011, which was insufficient to provide the entire mitigation requirement. Therefore, 4.17 acres (4.92 acre feet) of additional irrigated acres beyond those dried up on the residential footprints should be dried up to mitigate fully for the current development build-out. The additional 4.17 acres of additional irrigated acres to be dried up will come from the additional 22.2 acres dried up in 2009. A total of 18.03 acres are available for future mitigation needs.

Projection of 2012 Sufficiency of Mitigation Water

It is estimated that the mitigation requirement for 2012, based on a projected build-out, will be 5 additional homes comprised of 3 residential homes outside of the currently irrigated area and 2 within the water right place of use. It is expected that there will be 1 residential home with on-site sewage treatment and 27 homes connected to the St. Charles Sewer District for a total of 28 residential units on line. The club house will continue to be utilized with no additional conversion of irrigated areas to commercial uses. The calculated depletion for residences and commercial uses under these assumptions will be 11.88 acre feet. It is estimated that the seasonal water availability for Sam's Hollow in 2012 will be more than adequate to provide mitigation water for the expected number of units on-line in 2012. Currently (March 21, 2012) the Bear River Basin snow pack based on NRCS SNOTEL data is at 54% of normal. The runoff for Fish Haven Creek may be lower than normal based on the current snow pack but ample water for mitigation is expected to be available. It is therefore expected that the diversion available to Ditch No. 1 will be ample to provide mitigation water to Bear Lake for 2012.

Regarding the consumptive use balance, the projected 28 units on line in 2012 (9 homes and the club house within the currently irrigated area) will provide a total of 5.79 acre-feet of the required 11.88 acre-feet estimated depletion for 2012. Therefore, 6.09 acre-feet must be provided from additional irrigation reduction in the amount of 5.44 acres.

The 22.2 acres dried up in 2009 will be sufficient to mitigate for the proposed additional 2012 project depletion.



Terminus of the Sam's Hollow mitigation pipeline.

Note: Date on photo is incorrect. The correct date is July 2007.

Fish Haven Water Users Association

Water Year	2011	Measurements By The Reserve Staff
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Date	Upper North Ramped Flume*						NO.1 NORTH " Parchal Flume"						No. 3 North 12" Ramped Flume						Total af/d	Sam's Hollow Total af/d	
	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 99.5 shares 249.5 in ditch 39.9%	Accum af	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 20.0 shares 133.8 in ditch 16.0%	Accum af	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 21.0 shares 265.4 in ditch 8.2%	Accum af			
1-May																				0.00	0.00
2-May																				0.00	0.00
3-May																				0.00	0.00
4-May																				0.00	0.00
5-May																				0.00	0.00
6-May																				0.00	0.00
7-May																				0.00	0.00
8-May																				0.00	0.00
9-May																				0.00	0.00
10-May																				0.00	0.00
11-May																				0.00	0.00
12-May																				0.00	0.00
13-May																				0.00	0.00
14-May																				0.00	0.00
15-May																				0.00	0.00
16-May																				0.00	0.00
17-May																				0.00	0.00
18-May																				0.00	0.00
19-May																				0.00	0.00
20-May																				0.00	0.00
21-May																				0.00	0.00
22-May																				0.00	0.00
23-May																				0.00	0.00
24-May																				0.00	0.00
25-May																				0.00	0.00
26-May																				0.00	0.00
27-May																				0.00	0.00
28-May																				0.00	0.00
29-May																				0.00	0.00
30-May																				0.00	0.00
31-May																				0.00	0.00
1-Jun		0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	5.51	0.00	0.82	2.47	0.82	0.00	7.44	0.61	0.00	12.95	1.44
2-Jun								0.68	5.56	11.01	11.01	1.65	4.12	14.88	0.82	14.88	14.88	1.22	1.83	25.89	2.87
3-Jun													5.76	14.88			14.88	1.22	3.06	28.20	3.79
4-Jun													7.41	14.88			14.88	1.22	4.28	30.51	4.71
5-Jun													9.08	14.88			14.88	1.22	5.50	32.81	5.63
6-Jun													10.71	14.88			14.88	1.22	6.73	35.12	6.55
7-Jun	0.7	5.83	11.54	11.81	4.71	13.80	18.51	0.98	5.56	11.01	11.01	1.65	12.43	14.88	0.82	7.51	14.88	1.22	7.95	37.43	7.47
8-Jun													14.88	14.88			14.88	1.22	8.17	38.22	7.66
9-Jun	0.72	6.10	12.07	12.07	4.81	23.33	28.14	0.72	6.10	12.07	12.07	1.81	16.04	14.88	0.82	7.51	14.88	1.22	10.40	39.02	7.84
10-Jun													17.85	14.88			14.88	1.22	11.62	39.02	7.84
11-Jun													19.65	14.88			14.88	1.22	12.84	39.02	7.84
12-Jun													21.46	14.88			14.88	1.22	14.07	39.02	7.84
13-Jun													23.26	14.88			14.88	1.22	15.29	39.02	7.84
14-Jun	0.72	6.10	12.07	12.07	4.81	47.40	52.21	0.72	6.10	12.07	12.07	1.81	25.07	14.88	0.82	7.51	14.88	1.22	16.51	39.02	7.84
15-Jun													26.87	14.88			14.88	1.22	17.74	39.02	7.84
16-Jun	0.72	6.10	12.07	12.07	4.81	57.03	61.88						28.65	14.88			14.88	1.22	18.96	39.02	7.84
17-Jun													30.39	14.88			14.88	1.22	20.32	39.02	7.84
18-Jun													32.10	14.88			14.88	1.22	21.81	42.14	8.14
19-Jun													33.78	14.88			14.88	1.22	23.45	43.89	8.29
20-Jun													35.42	14.88			14.88	1.22	25.22	45.25	8.44
21-Jun													37.07	14.88			14.88	1.22	27.12	46.81	8.58
22-Jun	0.74	6.37	12.61	12.61	5.03	81.75	86.78	0.68	5.56	11.01	11.01	1.65	39.02	14.88	1.08	11.71	23.18	1.91	29.03	46.81	8.58
23-Jun													40.36	14.88			14.88	1.22	30.93	48.81	8.58
24-Jun													42.01	14.88			14.88	1.22	32.84	46.81	8.58
25-Jun													43.66	14.88			14.88	1.22	34.75	46.81	8.58
26-Jun													45.31	14.88			14.88	1.22	36.55	46.81	8.58
27-Jun													46.95	14.88			14.88	1.22	38.56	46.81	8.58
28-Jun													48.52	14.88			14.88	1.22	40.46	46.81	8.58
29-Jun	0.74	6.37	12.61	12.61	5.03	116.96	122.44	0.68	5.56	11.01	11.01	1.65	48.52	14.88	1.08	11.71	23.18	1.91	42.48	48.85	9.07
30-Jun													50.02	14.88			14.88	1.22	44.62	50.88	8.57
1-Jul	0.82	7.51	14.88	14.88	5.93	134.31	140.24	0.64	5.05	9.99	9.99	1.49	51.51	14.88	1.16	13.14	26.01	2.14	46.76	50.88	9.57
2-Jul													53.01	14.88			14.88	1.22	48.90	50.88	9.57
3-Jul													54.50	14.88			14.88	1.22	51.04	50.88	9.57

Upper North Ramped Flume*										NO 1 NORTH "Partial Flume"										No. 3 North 12" Ramped Flume										Sam's Hollow	
Date	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 249.5 in ditch 39.9%	Accum af	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 20.0 shares 133.6 in ditch 16.0%	Accum af	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 21.0 shares 265.4 in ditch 8.2%	Accum af	Total af/d	Hollow Total af/d											
4-Jul	0.82	7.51	14.86	14.88	5.93	152.11	0.64	5.05	9.99	9.99	1.49	56.00	1.16	13.14	26.01	26.01	2.14	53.18	50.88	9.57											
5-Jul				14.88	5.93	158.04				9.99	1.49	57.49				26.01	2.14	55.32	50.88	9.57											
6-Jul				14.88	5.93	163.97				9.99	1.49	58.98				26.01	2.14	57.46	50.88	9.57											
7-Jul	0.82	7.51	14.88	14.88	5.93	169.91	0.64	5.05	9.99	9.99	1.49	60.48	1.16	13.14	26.01	26.01	2.14	59.59	50.88	9.57											
8-Jul					5.75	175.66				9.99	1.49	61.97				24.77	2.04	61.63	49.19	9.28											
9-Jul					5.57	181.23				9.99	1.49	63.47				23.54	1.94	63.57	47.50	9.00											
10-Jul					5.39	186.62				9.99	1.49	64.96				22.30	1.83	65.40	45.81	8.72											
11-Jul					5.21	191.83				9.99	1.49	66.46				21.06	1.73	67.13	44.12	8.44											
12-Jul	0.74	6.37	12.61	12.61	5.03	196.86	0.64	5.05	9.99	9.99	1.49	67.95	0.98	10.01	19.82	19.82	1.63	68.76	42.43	8.15											
13-Jul				12.61	5.03	201.89				9.99	1.49	69.45				19.82	1.63	70.39	42.43	8.15											
14-Jul	0.74	6.37	12.61	12.61	5.03	206.93	0.64	5.05	9.99	9.99	1.49	70.94	0.98	10.01	19.82	19.82	1.63	72.02	42.43	8.15											
15-Jul				12.61	5.03	211.96				9.99	1.49	72.43				19.82	1.63	73.65	42.43	8.15											
16-Jul				12.61	5.03	216.99				9.99	1.49	73.93				19.82	1.63	75.28	42.43	8.15											
17-Jul				12.61	5.03	222.02				9.99	1.49	75.42				19.82	1.63	76.91	42.43	8.15											
18-Jul	0.74	6.37	12.61	12.61	5.03	227.05	0.64	5.05	9.99	9.99	1.49	76.92	0.98	10.01	19.82	19.82	1.63	78.54	42.43	8.15											
19-Jul				12.61	5.03	232.08				9.99	1.49	78.41				19.82	1.63	80.17	42.28	8.07											
20-Jul				12.34	4.92	237.00				10.12	1.51	79.93				19.82	1.63	81.80	42.28	7.98											
21-Jul	0.72	6.10	12.07	12.07	4.81	241.82	0.65	5.17	10.25	10.25	1.53	81.46	0.98	10.01	19.82	19.82	1.63	83.43	42.14	7.98											
22-Jul				12.63	5.04	246.85				10.25	1.53	82.99				19.82	1.63	85.06	42.70	8.20											
23-Jul				13.19	5.26	252.12				10.25	1.53	84.52				19.82	1.63	86.69	43.26	8.42											
24-Jul				13.75	5.49	257.60				10.25	1.53	86.06				19.82	1.63	88.32	43.82	8.65											
25-Jul				14.32	5.71	263.31				10.25	1.53	87.59				19.82	1.63	89.94	44.38	8.87											
26-Jul	0.82	7.51	14.88	14.88	5.93	269.24	0.65	5.17	10.25	10.25	1.53	89.12	0.98	10.01	19.82	19.82	1.63	91.57	44.94	9.09											
27-Jul				15.17	6.05	275.29				10.25	1.53	90.65				19.82	1.63	93.20	45.24	9.21											
28-Jul	0.84	7.81	15.46	15.46	6.17	281.46	0.65	5.17	10.25	10.25	1.53	92.18	0.98	10.01	19.82	19.82	1.63	94.83	45.53	9.33											
29-Jul				15.46	6.17	287.63				10.25	1.53	93.71				19.82	1.63	96.46	45.53	9.33											
30-Jul				15.46	6.17	293.79				10.25	1.53	95.25				19.82	1.63	98.09	45.53	9.33											
31-Jul				15.46	6.17	299.96				10.25	1.53	96.78				19.82	1.63	99.72	45.53	9.33											
1-Aug	0.84	7.81	15.46	15.46	6.17	306.13	0.65	5.17	10.25	10.25	1.53	98.31	0.98	10.01	19.82	19.82	1.63	101.35	45.53	9.33											
2-Aug				15.46	6.17	312.30				10.25	1.53	99.84				19.82	1.63	102.98	45.53	9.33											
3-Aug	0.74	6.37	12.61	12.61	5.90	317.90	0.62	4.80	9.50	9.50	1.48	101.32	0.98	10.01	19.82	19.82	1.63	104.61	43.73	8.70											
4-Aug				12.61	5.03	322.93				9.50	1.42	102.74				19.82	1.63	106.24	41.93	8.08											
5-Aug				12.61	5.03	327.96				9.50	1.42	104.16				19.82	1.63	107.87	41.93	8.08											
6-Aug				12.61	5.03	332.99				9.50	1.42	105.58				19.82	1.63	109.50	41.93	8.08											
7-Aug				12.61	5.03	338.02				9.50	1.42	107.00				19.82	1.63	111.13	41.93	8.08											
8-Aug	0.74	6.37	12.61	12.61	5.03	343.05	0.62	4.80	9.50	9.50	1.42	108.42	0.98	10.01	19.82	19.82	1.63	112.76	41.93	8.08											
9-Aug				12.61	5.03	348.08				9.50	1.42	109.84				19.82	1.63	114.39	41.93	8.08											
10-Aug				12.61	5.03	353.11				9.50	1.42	111.26				19.82	1.43	115.81	39.46	7.88											
11-Aug	0.74	6.37	12.61	12.61	5.03	358.14	0.62	4.80	9.50	9.50	1.42	112.68	0.82	7.51	14.88	14.88	1.22	117.04	36.86	7.63											
12-Aug				12.51	4.89	363.13				9.50	1.42	114.10				14.88	1.22	118.26	36.88	7.63											
13-Aug				12.40	4.94	368.07				9.50	1.42	115.52				14.88	1.22	119.48	36.77	7.59											
14-Aug				12.29	4.90	372.97				9.50	1.42	116.94				14.88	1.22	120.71	36.66	7.54											
15-Aug				12.18	4.86	377.83				9.50	1.42	118.36				14.88	1.22	121.93	36.56	7.50											
16-Aug	0.72	6.10	12.07	12.07	4.81	382.65	0.62	4.80	9.50	9.50	1.42	119.78	0.82	7.51	14.88	14.88	1.22	123.15	36.45	7.46											
17-Aug				11.54	4.80	387.25				9.50	1.42	121.20				14.88	1.22	124.38	35.92	7.25											
18-Aug	0.68	5.56	11.01	11.01	4.39	391.64	0.62	4.80	9.50	9.50	1.42	122.62	0.82	7.51	14.88	14.88	1.22	125.60	35.39	7.04											
19-Aug				11.01	4.39	396.03				9.50	1.39	124.02				15.87	1.30	126.90	36.19	7.09											
20-Aug				11.01	4.39	400.43				9.50	1.36	125.38				16.85	1.39	128.29	36.88	7.14											
21-Aug				11.01	4.39	404.82				9.50	1.33	126.71				17.84	1.47	129.76	37.78	7.19											
22-Aug				11.01	4.39	409.21				9.50	1.31	128.02				18.83	1.55	131.30	38.57	7.25											
23-Aug	0.68	5.56	11.01	11.01	4.39	413.60	0.58	4.31	8.54	8.54	1.28	129.29	0.98	10.01	19.82	19.82	1.63	132.83	39.37	7.30											
24-Aug				11.01	4.39	418.00				8.54	1.28	130.57				19.82	1.63	134.56	39.37	7.30											
25-Aug	0.68	5.56	11.01	11.01	4.39	422.39	0.58	4.31	8.54	8.54	1.28	131.85	0.98	10.01	19.82	19.82	1.63	136.18	39.37	7.30											
26-Aug				11.01	4.39	426.78				8.54	1.28	133.12				18.83	1.55	137.74	38.38	7.22											
27-Aug				11.01	4.39	431.17				8.54	1.28	134.40				17.84	1.47	139.21	37.39	7.14											
28-Aug				11.01	4.39	435.57				8.54	1.28	135.68				18.83	1.55	140.59	36.41												

Upper North Ramped Flume"						NO 1 NORTH " Partial Flume"						No. 3 North 12" Ramped Flume						Sam's Hollow		
Date	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 99.5 shares 248.5 in ditch 39.3%	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 20.0 shares 133.8 in ditch 16.0%	Accum af	Gage ft	Discharge cfs	Measured af/d	Estimated af/d	Sam's Hollow 21.0 shares 265.4 in ditch 8.2%	Accum af	Total af/d	Sam's Hollow Total af/d	
11-Sep				0.00	0.00	480.25			9.11	1.36	153.72				12.61	1.04	156.31	21.73	2.40	
12-Sep				0.00	0.00	480.25			9.31	1.39	155.11				12.61	1.04	157.35	21.92	2.43	
13-Sep	0	0.00	0.00	0.00	0.00	480.25	0.62	4.80	9.50	1.42	156.53				12.61	1.04	158.39	22.11	2.46	
14-Sep				0.00	0.00	480.25			9.50	1.42	157.95				12.61	1.04	159.42	22.11	2.46	
15-Sep	0	0.00	0.00	0.00	0.00	480.25	0.62	4.80	9.50	1.42	159.37				12.61	1.04	160.46	22.11	2.46	
16-Sep				0.00	0.88	481.12			9.12	1.36	160.74				12.61	1.04	161.50	23.84	3.28	
17-Sep				2.20	0.88	482.88			8.75	1.31	162.05				12.61	1.04	162.53	25.77	4.10	
18-Sep				4.41	1.76	485.52			8.37	1.25	163.30				12.61	1.04	163.57	27.59	4.92	
19-Sep				6.61	2.64	488.03			7.99	1.20	164.49				12.61	1.04	164.61	29.42	5.75	
20-Sep	0.68	5.56	11.01	11.01	4.39	483.42	0.54	3.85	7.62	1.14	165.63				12.61	1.04	165.65	31.24	6.57	
21-Sep				11.01	4.39	487.82			7.62	1.14	166.63				12.34	0.99	166.86	30.97	6.55	
22-Sep	0.88	5.56	11.01	11.01	4.39	502.21	0.54	3.85	7.62	1.14	168.77				12.07	0.98	167.85	30.70	6.52	
23-Sep				11.01	4.39	506.60			7.62	1.14	169.05				12.07	0.98	168.65	30.70	6.52	
24-Sep				11.01	4.39	510.99			7.62	1.14	170.19				12.07	0.98	169.64	30.70	6.52	
25-Sep				11.01	4.39	515.38			7.62	1.14	171.32				12.07	0.98	170.63	30.70	6.52	
26-Sep				11.01	4.39	519.78			7.62	1.14	172.46				12.07	0.98	171.62	30.70	6.52	
27-Sep	0.88	5.56	11.01	11.01	4.39	524.17	0.54	3.85	7.62	1.14	173.60				12.07	0.99	172.62	30.70	6.52	
28-Sep				11.01	4.39	528.56			7.62	1.14	174.74				12.34	1.01	173.63	30.87	6.55	
29-Sep				11.01	4.39	532.95			7.62	1.14	175.88				12.61	1.04	174.67	31.24	6.57	
30-Sep	0.68	5.56	11.01	11.01	4.31	537.27	0.54	3.85	7.62	1.14	176.88				12.61	1.04	175.70	31.04	6.49	
1-Oct				10.61	4.23	541.50			7.62	1.14	177.02				12.61	1.04	175.70	31.04	6.49	
2-Oct				10.40	4.15	545.64			7.62	1.14	178.16				12.61	1.04	176.74	30.84	6.41	
3-Oct				10.20	4.07	549.71			7.62	1.14	179.30				12.61	1.04	177.78	30.63	6.32	
4-Oct	0.64	5.05	9.99	9.99	3.99	553.70	0.54	3.85	7.62	1.14	180.43				12.61	1.04	178.82	30.43	6.24	
5-Oct				9.99	3.99	557.68			7.62	1.14	181.57				12.61	1.04	179.85	30.22	6.16	
6-Oct	0.64	5.05	9.99	9.99	3.99	561.67	0.54	3.85	7.62	1.14	182.71				12.34	1.01	180.87	29.85	6.14	
7-Oct				9.99	3.99	565.65			7.71	1.15	183.85				12.07	0.99	181.86	29.68	6.12	
8-Oct				9.99	3.99	569.64			7.80	1.17	185.00				12.07	0.99	182.85	29.77	6.13	
9-Oct				9.99	3.99	573.62			7.86	1.18	186.17				12.07	0.99	183.85	29.86	6.14	
10-Oct				9.99	3.99	577.61			7.98	1.19	187.35				12.07	0.99	184.84	29.85	6.16	
11-Oct	0.64	5.05	9.99	9.99	3.99	581.60	0.56	4.08	8.07	1.21	188.54				12.07	0.99	185.83	30.05	6.17	
12-Oct				9.99	3.99	585.58			8.07	1.21	189.75				12.07	0.99	186.82	30.14	6.19	
13-Oct				9.99	3.99	589.57			8.07	1.21	190.96				12.07	0.99	187.82	30.14	6.19	
14-Oct	0.64	5.05	9.99	9.99	3.99	593.56	0.56	4.08	8.07	1.21	192.16				12.07	0.99	188.81	30.14	6.19	
15-Oct				7.50	2.99	597.55			8.07	1.21	193.37				12.07	0.99	189.80	27.64	5.19	
16-Oct				5.00	1.99	601.54			8.07	1.21	194.58				12.07	0.99	190.79	25.14	4.19	
17-Oct				2.50	1.00	605.53	0.56	4.08	8.07	1.21	195.78				12.07	0.99	191.79	22.64	3.20	
18-Oct	0	0.00	0.00	0.00	0.00	609.52			8.07	1.21	196.99				12.07	0.99	192.78	20.14	2.20	
19-Oct				0.00	0.00	613.51			8.07	1.21	198.27				12.07	0.99	193.27	10.07	1.10	
20-Oct				0.00	0.00	617.50			8.07	1.21	199.49				12.07	0.99	194.27	0.00	0.00	
21-Oct				0.00	0.00	621.49	0	0.00	8.07	1.21	200.71				12.07	0.99	195.27	0.00	0.00	
22-Oct				0.00	0.00	625.48			8.07	1.21	201.93				12.07	0.99	196.27	0.00	0.00	
23-Oct				0.00	0.00	629.47			8.07	1.21	203.15				12.07	0.99	197.27	0.00	0.00	
24-Oct				0.00	0.00	633.46			8.07	1.21	204.37				12.07	0.99	198.27	0.00	0.00	
25-Oct				0.00	0.00	637.45			8.07	1.21	205.59				12.07	0.99	199.27	0.00	0.00	
26-Oct				0.00	0.00	641.44			8.07	1.21	206.81				12.07	0.99	200.27	0.00	0.00	
27-Oct				0.00	0.00	645.43			8.07	1.21	208.03				12.07	0.99	201.27	0.00	0.00	
28-Oct				0.00	0.00	649.42			8.07	1.21	209.25				12.07	0.99	202.27	0.00	0.00	
29-Oct				0.00	0.00	653.41			8.07	1.21	210.47				12.07	0.99	203.27	0.00	0.00	
30-Oct				0.00	0.00	657.40			8.07	1.21	211.69				12.07	0.99	204.27	0.00	0.00	
31-Oct				0.00	0.00	661.39			8.07	1.21	212.91				12.07	0.99	205.27	0.00	0.00	
Annual Total						595.55	0	0.00	0.00	1321.41	197.59	0	0.00	0.00	0.00	0.00	193.27	0.00	0.00	
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				1321.41	197.59							193.27		
Annual Total						595.55				13213										