

Operations

City of Battle Ground
Public Works

Status through June 30, 2005

Water

Installed 27 new services and produced 39.1 million gallons of water or an average of 1.3 million gallons per day with a peak flow of 1.7 m/g/day

Repaired and cleaned the chlorine pump at well #7 & 8

A thrust bearing on the pump went out on well #6 and it is out of service until repairs are complete.

On wells #1 & 2 we changed the chlorine injection system from gaseous to liquid removing a potentially hazardous condition

We cut into our existing water line and installed a valve and new line for another hydrant to more adequately protect the Operations center

Compiled data and produced the 2004 Water Quality Report for publication and mailing to our citizens

Sewer

Our system collected and pumped out 50.1 million gallons of effluent this month with an average daily flow of 1.7 million gallons per day and a peak flow of 2.4 million gallons per day

We built a pad for the temporary bioxide tank installed while ours is being repaired and changed the bioxide injection to react proportionally with the flow from Hockinson and Meadow Glade. This change has kept our odor problem under control so far this year.

We pulled and cleaned the lift station pumps at both Gardner and Horsethief lift stations

We installed a new pipe clean-out on NW 9th St. at Kiwanis Park

Cleaned out manholes and the sewer line on Clark Ave. & 11th Way

Repaired the road around the lagoon by adding gravel and regrading

Facilities

Set-up and take-down for the “Meet and Greet BBQ”

Reworked the door and locks at the dog shelter at Operations

Parks

Florence Robinson: Replaced bolts on playground equipment and trimmed the pathways

Horsethief: Planted five “Red Sunset” maple trees paid for by donation

K-Park: Removed graffiti by pressure washing

Streets

Trimmed trees and bushes to alleviate traffic sight problems

Preliminary preparation for the slurry seal on N. Parkway, Rasmussen, East Main and Onsdorf

Flail mowed NE quadrant including ditches and Right-of-Ways

Drainage

Removed debris jam in Woodin Creek south of Rasmussen

Weeded planter beds in NW quadrant

Offender crew cut swales 1-4,18,17,12,7,21,60,49, NW 17th ave., corner of NW 27th and Gardner Oaks behind house on SW 4th Ave. Trimmed ditches in Rasmussen, BG West 47 started on 48.

Administration

Conducted maintenance worker interviews

Met with contractors for the K-Park siding

Met with contractors and vendors on the proposed fueling facility

Cheryl Hill, our new Operations Admin Assistant began this month

Attended a Fleet Management class at Clark County Operations

Began construction of the new Ops Center office scheduled for completion in October

Contacted the tank manufacturer and the contractor re repair of the bioxide tank and arranged for placement of the temporary tank

Steven Rommel

Superintendent of Public Works

CITY OF BATTLE GROUND

Public Works Department

MONTHLY REPORT

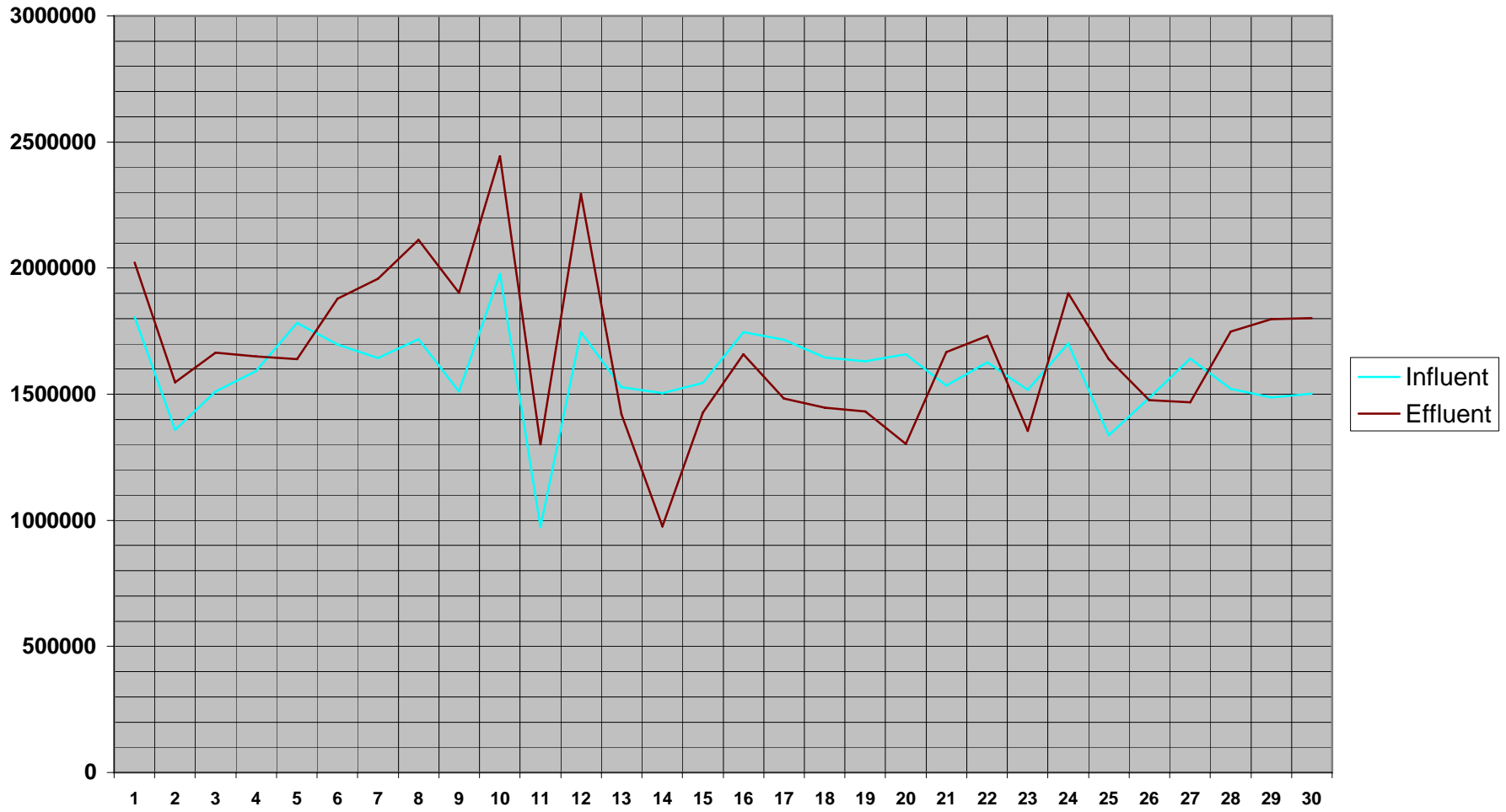
June 2005

WasteWater Flow in Gallons

June 2005

Day	Hockinson	Meadow Glade	Battle Ground	Influent Totals	Effluent Totals					
1	15000	185000	1606000	1806000	2022500					
2	11000	139000	1209600	1359600	1547100					
3	12000	141000	1358100	1511100	1664500					
4	10000	163000	1418300	1591300	1650800					
5	10000	196000	1575800	1781800	1639800					
6	14000	173000	1509300	1696300	1879500					
7	15000	153000	1474900	1642900	1958700					
8	14000	172000	1531900	1717900	2111400					
9	12000	147000	1351000	1510000	1903300					
10	14000	203000	1759800	1976800	2444400					
11	5000	93000	875200	973200	1301900	Avg	Min	Max		
Influent										
12	10000	199000	1536800	1745800	2293100	Hockinson	319000	10633.33	5000	16000
13	13000	154000	1361800	1528800	1421600	Meadow Glade	4907000	163566.7	93000	203000
14	12000	153000	1338300	1503300	975800	Battle Ground	42408800	1413627	875200	1759800
15	12000	190000	1342400	1544400	1427200					
16	16000	155000	1574100	1745100	1657700	Total Influent	47634800	1587827	973200	1976800
17*	12000	162000	1541300	1715300	1482200					
18	6000	159000	1481200	1646200	1445800	Avg	Min	Max		
19	8000	174000	1449200	1631200	1430500	Total Effluent	50143000	1671433	975800	2444400
20	10000	181000	1466800	1657800	1303100					
21	12000	158000	1364800	1534800	1667300					
22	9000	171000	1445800	1625800	1732000	* On June 17th the electrician was working on meter resets				
23	8000	161000	1347100	1516100	1354000					
24	10000	194000	1496700	1700700	1899100					
25	7000	137000	1192700	1336700	1638500					
26	8000	169000	1307800	1484800	1476400					
27	10000	167000	1464200	1641200	1467000					
28	8000	153000	1360200	1521200	1748400					
29	8000	151000	1327100	1486100	1797900					
30	8000	154000	1340600	1502600	1801500					
Total	319000	4907000	42408800	47634800	50143000					
Total Ytd	2279000	30356000	253542000	286177000	297471300					

Battle Ground Waste Water Flow June 2005



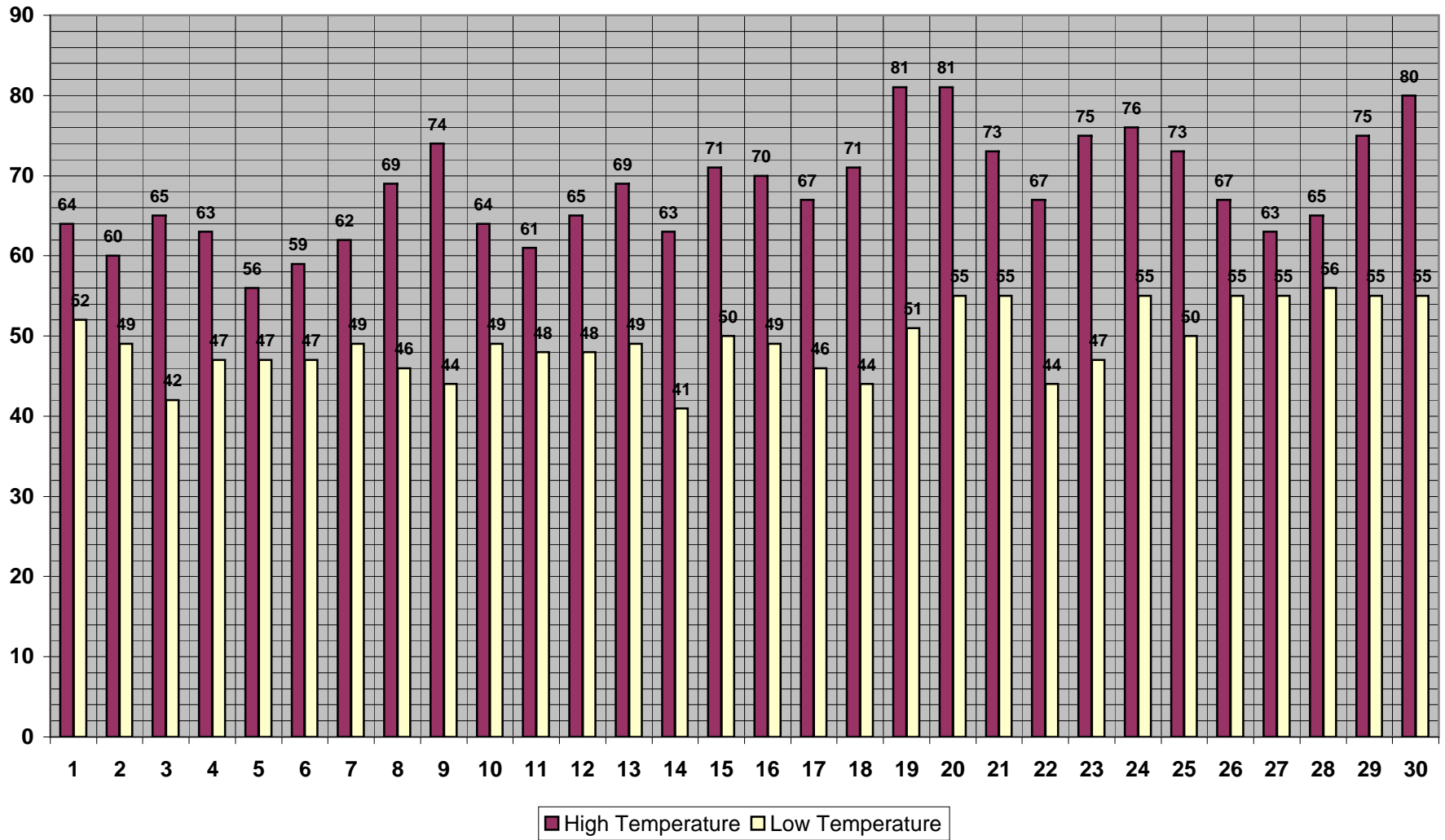
BATTLE GROUND TEMPERATURES

June 2005

Day	High Temp	Low Temp	Average
1	64	52	58
2	60	49	54.5
3	65	42	53.5
4	63	47	55
5	56	47	51.5
6	59	47	53
7	62	49	55.5
8	69	46	57.5
9	74	44	59
10	64	49	56.5
11	61	48	54.5
12	65	48	56.5
13	69	49	59
14	63	41	52
15	71	50	60.5
16	70	49	59.5
17	67	46	56.5
18	71	44	57.5
19	81	51	66
20	81	55	68
21	73	55	64
22	67	44	55.5
23	75	47	61
24	76	55	65.5
25	73	50	61.5
26	67	55	61
27	63	55	59
28	65	56	60.5
29	75	55	65
30	80	55	67.5

High Temperature	81
Low Temperature	41
<i>Average High Temperature</i>	68.3
<i>Average Low Temperature</i>	49.3

Battle Ground Temperature June 2005



BATTLE GROUND PRECIPITATION

June 2005

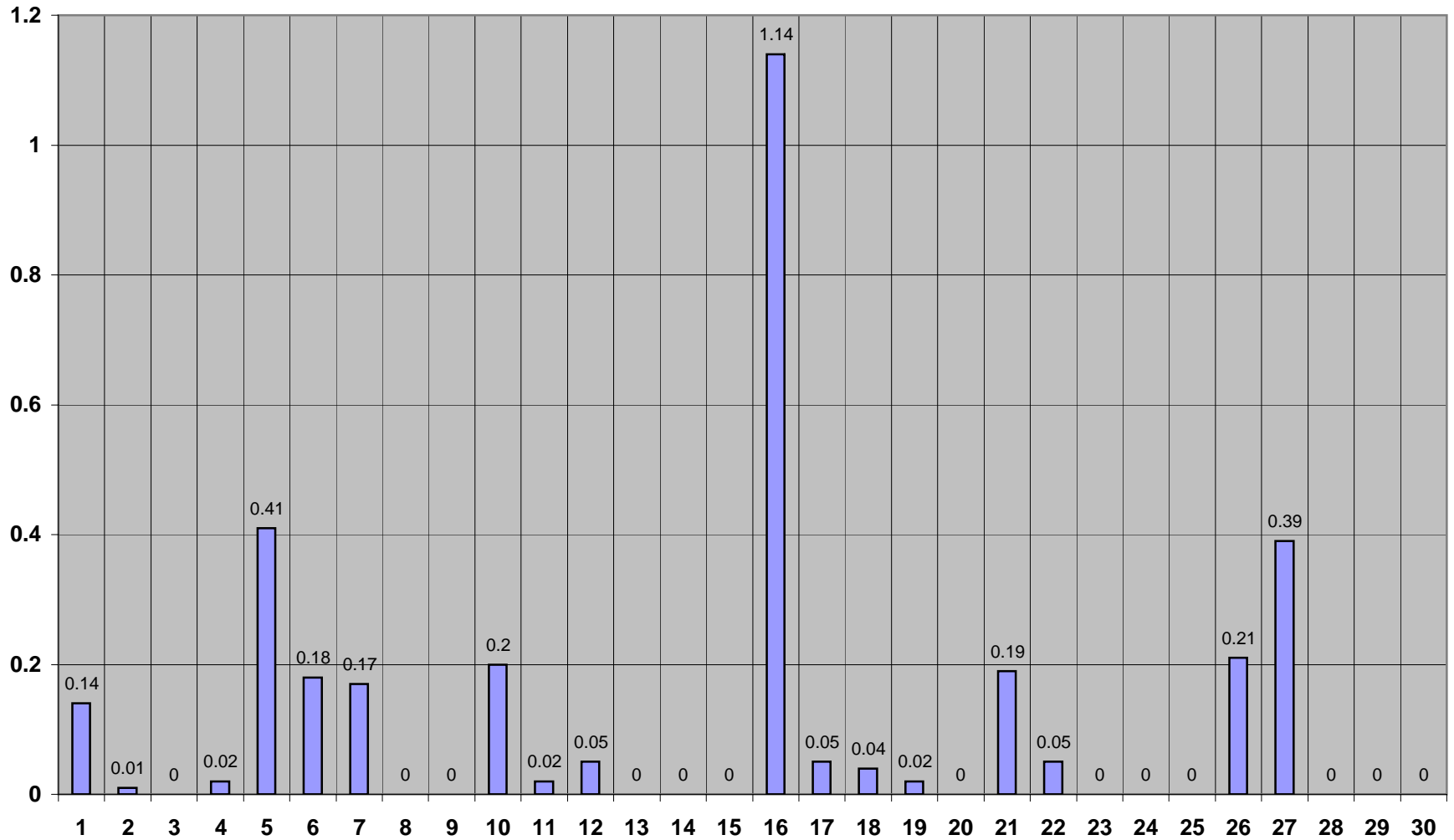
Day

1	0.14
2	0.01
3	0
4	0.02
5	0.41
6	0.18
7	0.17
8	0
9	0
10	0.20
11	0.02
12	0.05
13	0
14	0
15	0
16	1.14
17	0.05
18	0.04
19	0.02
20	0
21	0.19
22	0.05
23	0
24	0
25	0
26	0.21
27	0.39
28	0
29	0
30	0

Total Precipitation	3.29
Min	0
Max	1.14
Avg	0.109667

Total Precip. YTD =	25.86
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Battle Ground Precipitation June 2005



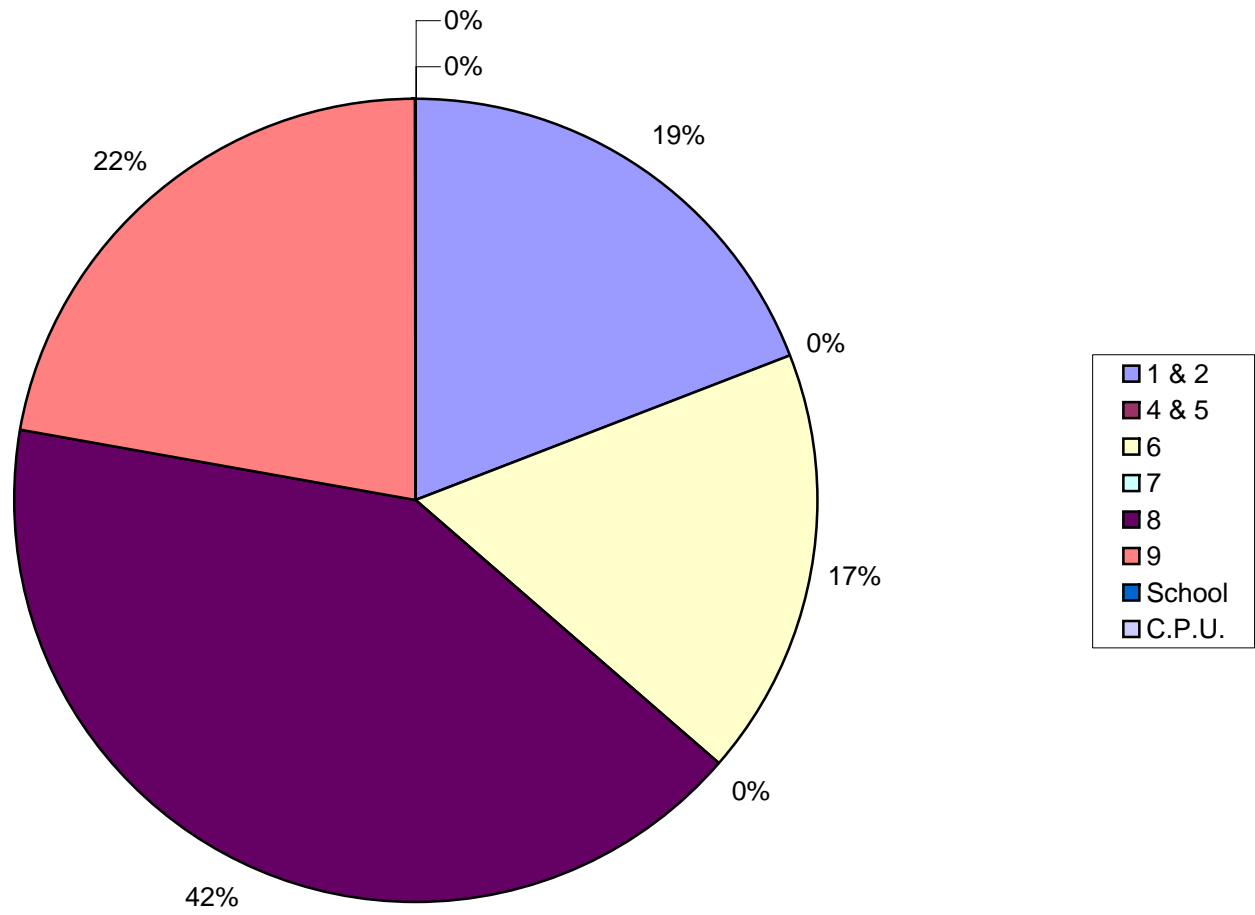
CITY OF BATTLE GROUND - WELL PRODUCTION

June '05

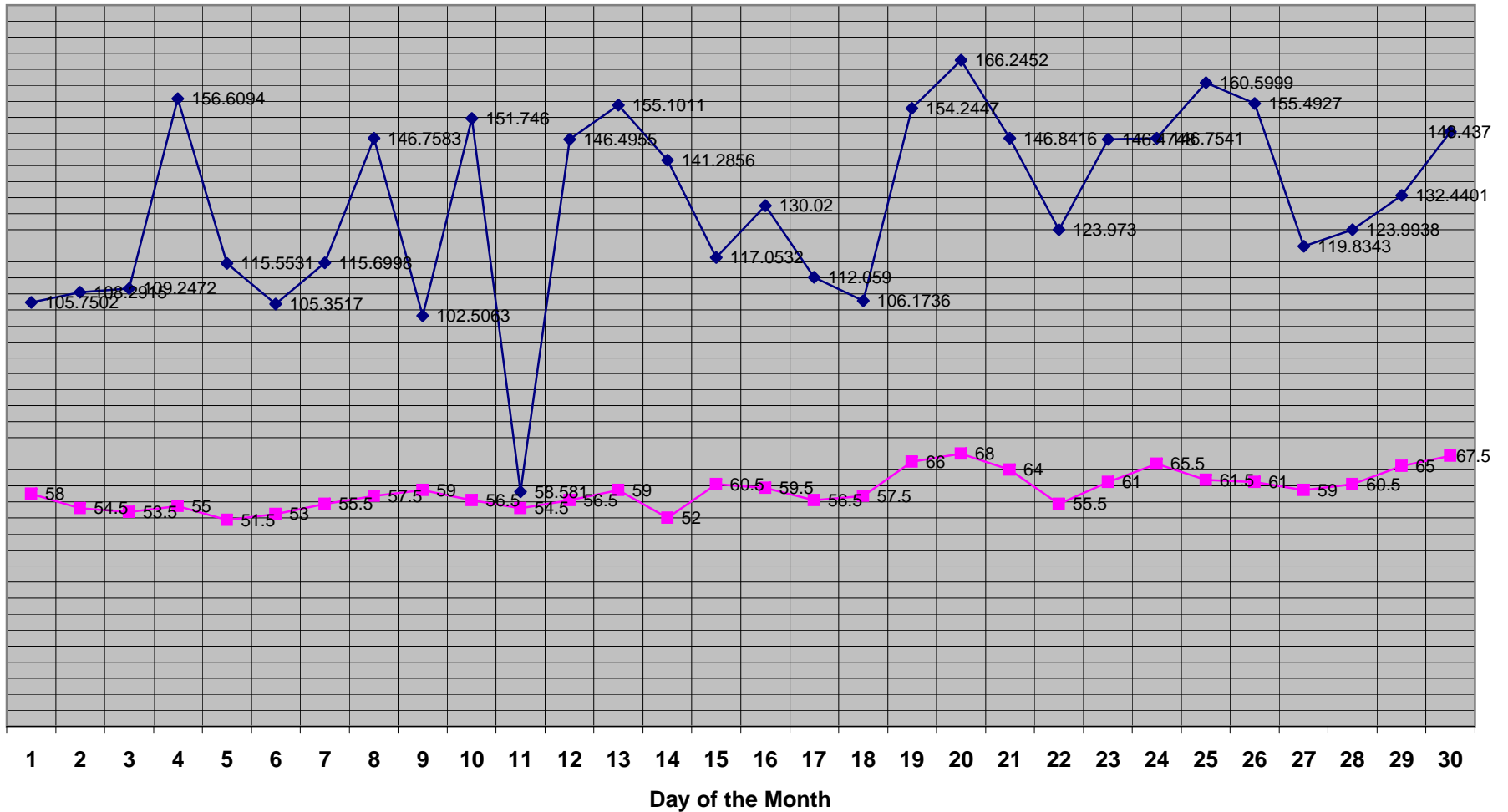
Pump Station

Day	1 & 2	4 & 5	6	7	8	9	School	C.P.U.	TOTALS
1	267,548		242,954		547,000	0			1,057,502
2	267,735		243,180		572,000	0			1,082,915
3	263,497		207,975		296,000	325,000			1,092,472
4	312,602		249,492		572,000	432,000			1,566,094
5	308,649		235,882		611,000	0			1,155,531
6	258,093		234,424		561,000	0			1,053,517
7	259,046		209,952		344,000	344,000			1,156,998
8	273,877		229,706		571,000	393,000			1,467,583
9	263,628		227,435		287,000	247,000			1,025,063
10	349,559		292,901		714,000	161,000			1,517,460
11	130,841		110,969		344,000	0			585,810
12	358,730		420,225		686,000	0			1,464,955
13	247,952		218,059		568,000	517,000			1,551,011
14	268,905		232,951		566,000	345,000			1,412,856
15	285,598		232,934		652,000	0			1,170,532
16	255,167		226,033		488,000	331,000			1,300,200
17	263,406		205,184		546,000	106,000			1,120,590
18	284,945		204,791		572,000	0			1,061,736
19	301,416		213,031		577,000	451,000			1,542,447
20	328,514		286,938		558,000	489,000			1,662,452
21	224,239		282,177		569,000	393,000			1,468,416
22	137,949		304,781		583,000	214,000			1,239,730
23	105,188		287,560		568,000	504,000			1,464,748
24	118,588		280,953		509,000	559,000			1,467,541
25	116,248		317,751		564,000	608,000			1,605,999
26	112,046		290,881		551,000	601,000			1,554,927
27	103,392		252,951		571,000	271,000			1,198,343
28	279,938		0		549,000	411,000			1,239,938
29	331,401		0		544,000	449,000			1,324,401
30	396,370		0		596,000	492,000			1,484,370
TOTAL	7,475,067	0	6,742,070	0	16,236,000	8,643,000	0	0	39,096,137
Daily Avg.	249,168.90	#DIV/0!	224735.67	#DIV/0!	541200.00	288100.00	#DIV/0!	#DIV/0!	1303204.6
Maximum	396,370	0	420,225	0	714,000	608,000	0	0	1,662,452
Minimum	103,392	0	0	0	287,000	0	0	0	585,810
Total A.F.	22.94	0.00	20.69	0.00	49.83	26.53	0.00	0.00	119.99
A.F. YTD	108.31	0.00	56.83	121.44	127.03	37.04		0.22	450.80
Total A.F. produced this month by BG wells				119.99	Total A.F. produced by BG wells YTD				628.07

Battle Ground Well Production June 2005



Battle Ground Avg. Daily Temperature - Total Daily Well Production June 2005



Well Production (Gallons X 10,000) Average Daily Temperature

Waste Water Influent - Precipitation June 2005

