

LONG TERM SURFACE WATER DISCHARGE STUDY REPORT FOR CALENDAR YEAR 2008

LEE & COLLIER COUNTIES, FLORIDA

PREPARED FOR



MARCH 2009

PREPARED BY



Long Term Surface Water Discharge Study

Report for Calendar Year 2008

Lee & Collier Counties, Florida

March 2009

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TABLE OF CONTENTS

	<u>Page</u>
1. INTRODUCTION	1-1
2. RAINFALL.....	2-1
3. STAGE RECORDERS	3-1
4. RUNOFF.....	4-1
5. FUTURE CONSIDERATIONS	5-1
6. WATER QUALITY.....	6-1
7. CONCLUSIONS AND COMMENTS	7-1
 APPENDIX	 A
Rainfall Graphs – All projects	A-1
Aerial Photographs – All Projects	B-1
Rainfall/Stage-Time Graphs – All Projects	C-1
Sandoval Aerials – Developed Areas	D-1
Photographs – Project Sites	E-1
Water Quality Data	F-1

1. INTRODUCTION

1. INTRODUCTION

PROJECT OBJECTIVE: The objective of the project is to collect rainfall, stage and water quality data for six selected Bonita Bay project sites. This data will provide information for evaluation of the behavior of these water management systems over extended time periods as it relates to total inflows, outflows and water quality. The geographical relationship of the six Southwest Florida projects is shown on the aerial following on page 1-3. Five of the six projects incorporate golf courses; only Sandoval has no golf course.

OUTLINE OF INFORMATION IN THIS REPORT

For ease of reference to previous reports, an effort was made to keep the Sections and Appendices in the same sequence and format. For example, details of how runoff through structures was calculated for this 2008 report can be found in the 2007 Section 4 on Runoff.

This report summarizes data collected in calendar year (C.Y.) 2008. It provides rainfall data and correlated graphs showing the impact of rainfall on lake stages. Upstream and downstream continuous recording stage gages at outflow weir structures acquire data that are converted to outflow rates and volumes. The volume of rain falling on the site can then be related to runoff from the site on a percentage basis. Detailed explanations of how the data were gathered and used are described in the C.Y. 2007 Report in Sections 2. Rainfall, 3. Stage Recorders and 4. Runoff. Section 5. Future Considerations describes several of the elements in this study that can be further evaluated. Section 7. Conclusions and Comments states significant results from this year's data.

The Appendix of this report shows detailed aerials of each of the six project sites together with locations of rain gages, stage recorders, and water quality stations.

RAINFALL:

Rainfall for C.Y. 2007 was very low, the average for all six project sites being 37.22 inches. Rainfall for C. Y. 2008 was high, the average for the six project sites being 62.35 inches. Section 2. Rainfall of this report provides more detailed comparison of rainfall. Average historic rainfall for Lee County is close to 55 inches per year, for comparison.

STAGE RECORDERS AND RUNOFF:

Stage recorders at each outfall structure record lake levels, from which outflow is calculated. Only two of the six projects (1. Verandah, and 2. Sandoval) had discharges downstream from the projects in C.Y. 2007. All six projects had outflow in C.Y. 2008.

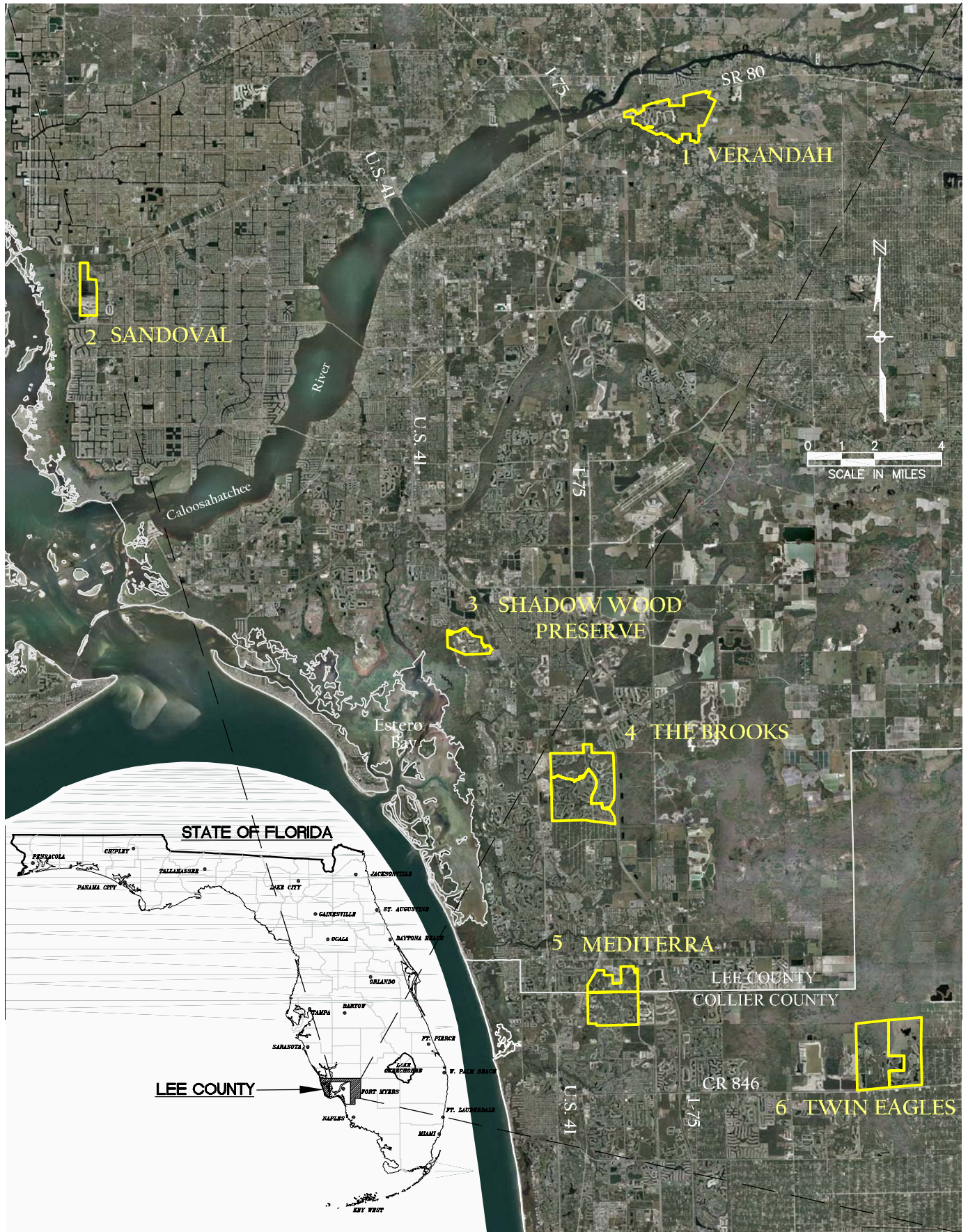
WATER QUALITY:

A total of 29 sample sets was collected from all six project sites. As discussed in Section 6, Water Quality, site considerations dictated a combination of grab samples, time incremented samples as well as bi-level static late sampling. Results are given in Appendix Section F.

APPENDIX

The Appendix is organized in Sections “A” through “F”. The Appendix data includes: “A” Daily Rainfall for each Project; “B” 2008 Aerial Photographs for the Six Projects; “C” Stage Data for each Outfall Structure; “D” Comparison of Sandoval development between 2006 and 2008; “E” Photographs – 2007 and 2008; and “F” Water Quality Data for 2008.

J:\20066052\2008 Report\Drawings\8x11 Project Locations.dwg (8x11) ml2 Apr 20, 2009 - 1:24pm



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**BONITA BAY PROJECT LOCATIONS
WATER QUALITY/DISCHARGE STUDY**

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
05/30/08	20066052	00-00-00	As Shown	1-3

2. RAINFALL

2. RAINFALL

Lake stages rise and runoff occurs as a response to rainfall. For that reason, Johnson Engineering, Inc. (JEI) installed rain gages at each project location. The specific location of each JEI rain gage is identified on the aerials in Section B of the Appendix.

Daily rainfall readings are supplied to JEI from golf courses on five of the Bonita Bay projects. Rainfall readings used in this report are the best available data, coming from JEI or golf course gages, unless otherwise noted. Rainfall for Sandoval comes from a gage at the City of Cape Coral reverse osmosis water treatment plant, located approximately one mile away. Auxiliary data may also be used to provide rainfall data in the event of a normal rain gage failure.

The great variation in rainfall between C.Y. 2007 and C.Y. 2008 is compared in the table on page 2-2. Total rainfall for each project is listed in order by column.

Daily rainfall is shown on bar charts in Appendix A for each of the six projects.

TOTAL RAINFALL BY PROJECT (Inches) – C.Y. 2007 – C.Y. 2008

	C.Y. 2007	C. Y. 2008
1. Verandah	33.69	66.35
2. Sandoval	47.64	60.61 ¹⁾
3. Shadow Wood Preserve	25.33	60.00
4. The Brooks	32.45	58.71
5. Mediterra	43.72	61.65
6. Twin Eagles	40.46	66.80
AVERAGE	37.22	62.35

1.) Sandoval rainfall from City of Cape Coral R/O Plant

3. STAGE RECORDERS

3. STAGE RECORDERS

Stage recorders are located on the upstream and downstream side of each outflow weir structure. Data from these recorders are used to calculate the rate and volume of outflow over each weir. These calculations are based primarily on the depth of flow over the weir crest. The recorders log data on an hourly basis to ensure that intense rainfall events and subsequent rapid rises in stage can be accurately compared.

“Stage-Rainfall Graphs” for the Sandoval WS-3 outfall weir structures for C.Y. 2007 and C.Y. 2008 follow on page 3-2 and 3-3. They show a vertical plot of rainfall and stage on the same horizontal-time axis. This clearly depicts the cyclic relationship (peaks and valleys) between rainfall and the lake stage. All elevations are NGVD 1929.

A comparison of pages 3-2 and 3-3 shows the dramatic difference in rainfall between C.Y. 2007 and 2008. A comparison of the graphical area between the dashed red “weir crest” line and the blue “stage” line for both years gives a general comparison of the related runoff for the two years.

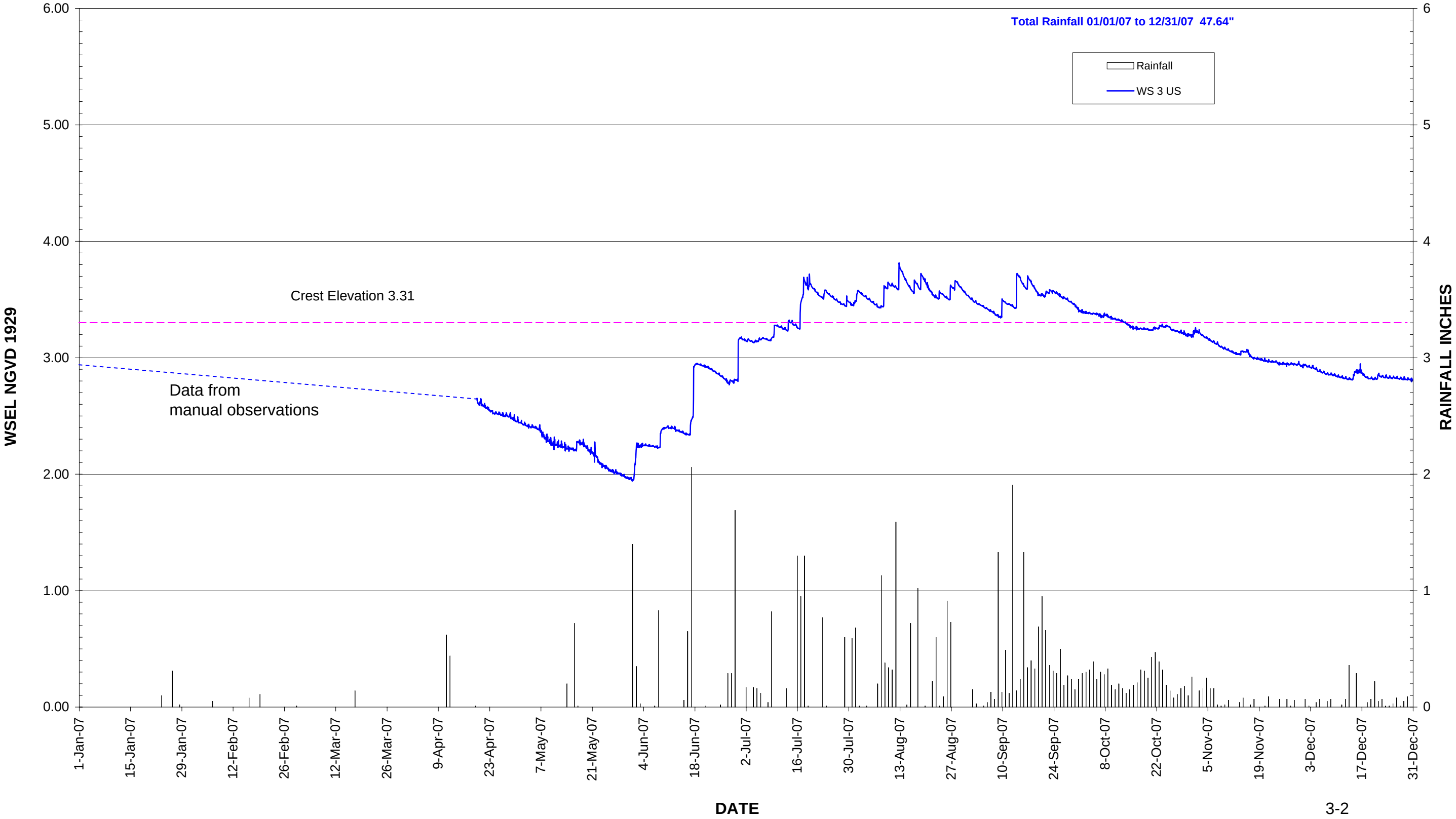
For example, total rainfall for Sandoval WS-3 increased from 47.64 inches in C.Y. 2007 to 60.61 inches in 2008 with corresponding total flow increasing from 5,069,187 cubic feet to 14,484,682 cubic feet.

Rainfall/stage graphs for all outfall structures are found in Appendix Section C.

SANDOVAL 2007 WATER LEVELS
WS 3 US DATA LOGGER



2/20/08

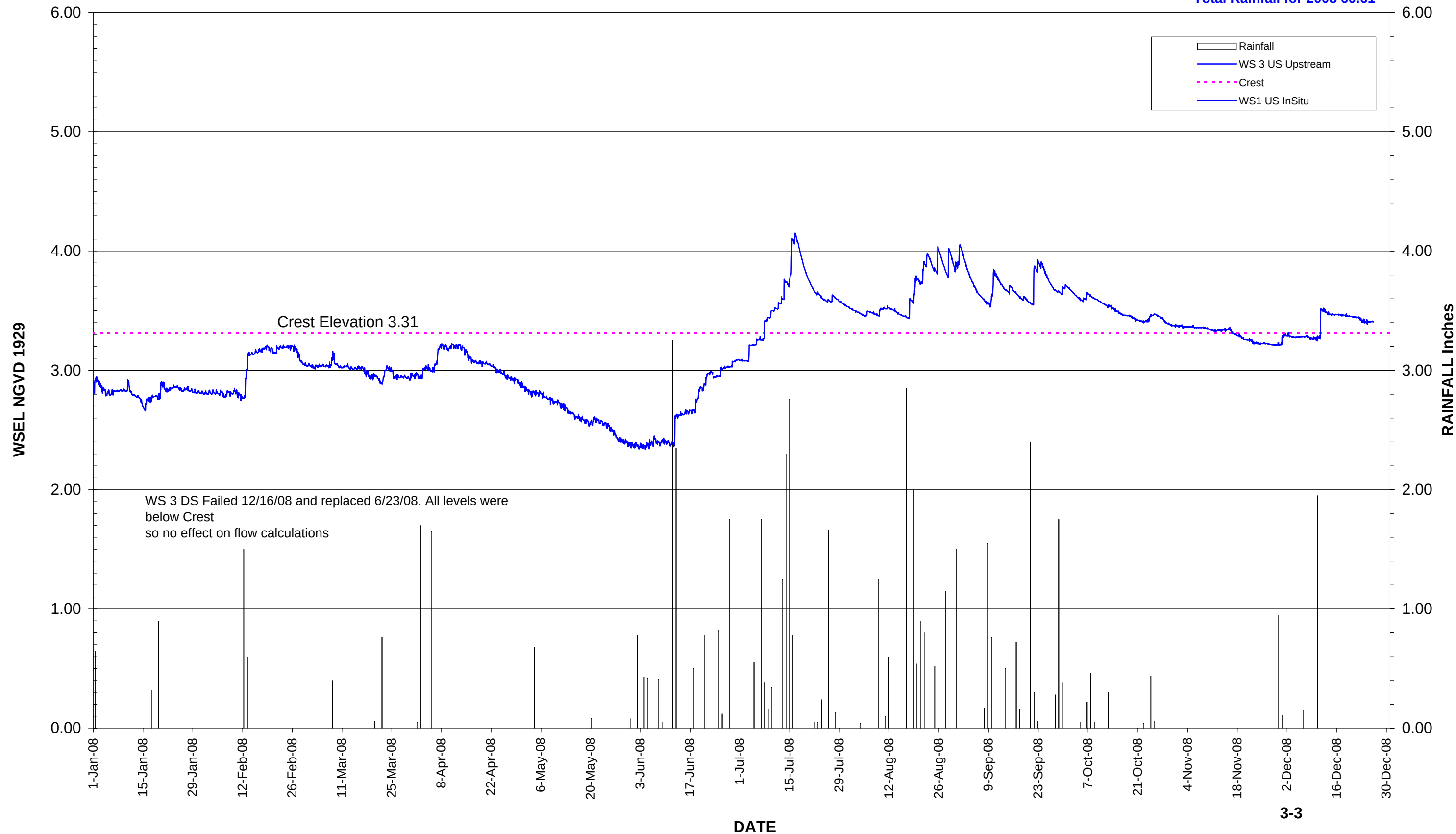


SANDOVAL 2008
WS 3 US and WS 3 DS DATA LOGGERS



TOTAL FLOW 01/01/08 TO 12/26/08 14,484,682Cu Ft

Total Rainfall for 2008 60.61"



4. RUNOFF

4. RUNOFF

Runoff data is determined from continuous (hourly recording frequency) stage recorders located at each outfall structure on each project. By recording the stages upstream and downstream of outfall structures, and knowing the configuration of each structure, the cubic feet per second of outflow can be calculated. Since the stage is recorded continuously, the volume of outflow can be determined by a series of hourly computations, which are then summed to determine the total volume of outflow.

One relationship of interest is the percentage volume of runoff from the site versus the volume of rainfall deposited on the Sandoval site based on the calendar year 2008 records. The volume of rainfall, using the 60.61 inches over the 390 acre site, was 85,966,187 cubic feet. The C.Y. 2008 runoff recorded over the three weir structures was 32,006,147 cubic feet, giving runoff as a proportion of rainfall of 37.2 percent. Runoff as a proportion of rainfall for Sandoval in C.Y. 2007 was 18.4%. The dramatic increase can be primarily attributed to substantial increases in rainfall and impervious area (reference pages 3-2, 3-3 and D-1, D-2).

At the Verandah project, construction activities and ditch cleaning during the year downstream of structure L-4, a primary outfall location, resulted in lower water elevations on the downstream side of the control structure. The result was far less submergence occurring at that structure compared to 2007.

Graphs showing rainfall/stage-time at outfall structures are included in Appendix Section C. A Summary Table showing rainfall, outflow, percentage outflow/rainfall follows on page 4-2.

The study of runoff on a project basis demonstrates that there are numerous separate influencing factors other than simple rainfall and subsequent outflow through a structure. Among these are: degree of imperviousness, attenuation by interconnecting lakes, recharge of the groundwater table from elevated lakes, ongoing maintenance or construction activities, etc.

Summary Table											
	A	B	C	D	E	F	G	H	I	J	K
	Total	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008
	Area Ac	Rainfall	Rainfall	Discharge	Discharge	Equiv Depth	Equiv Depth	Rainfall	Rainfall	% Runoff	% Runoff
		Inches	Inches	Cu Ft	Cu Ft	Ac Ft	Ac Ft	Cu Ft	Cu Ft		
						D/(A*43560)	E/(A*43560)	B/12*(A*43560)	C/12*(A*43560)	D/H	E/J
1. Verandah	436.1	33.89	66.35	6,437,919	40,286,253	0.34	2.12	53,649,327	105,034,903	12.00%	38.36%
2. Sandoval	390.73	47.64	60.61	12,463,164	32,006,187	0.73	1.88	67,570,338	85,966,377	18.44%	37.23%
3. Shadow Wood Pres	241.72	25.33	60	0	7,013,145	0.00	0.67	22,225,646	52,646,616	0.00%	13.32%
4. The Brooks	1174.85	32.45	58.71	0	98,135,769	0.00	1.92	138,389,693	250,380,860	0.00%	39.19%
5. Mediterra	768.39	43.72	61.65	0	11,075,767	0.00	0.33	121,946,259	171,957,614	0.00%	6.44%
6. Twin Eagles	460.7	40.46	66.8	0	3,193,747	0.00	0.16	67,662,917	111,712,379	0.00%	2.86%

NOTES:

1. No discharge during 2007 for Shadow Wood Preserve, The Brooks, Mediterra or Twin Eagles.
2. Bold text in columns F through K represent formulas used to calculate values in those columns.

5. FUTURE CONSIDERATIONS

5. FUTURE CONSIDERATIONS

RAINFALL AND RUNOFF

Calendar years 2007 was an extremely dry year followed by a wet year in C.Y. 2008. As a result the volume of runoff/rainfall varied significantly. Data from future years should show more consistent runoff/rainfall results.

WATER QUALITY

Water quality data can be related to quantity of rainfall-runoff, degree of dilution, percentage of impervious cover and other factors. Water quality data in 2009 should more clearly define the above relationships. Additional data would definitely increase the overall integrity and reliability of the data.

SURFACE RUNOFF - GROUNDWATER INTERRELATION

The C.Y. 2007 dry year created a situation where all but two of the six projects (1. Verandah, 2. Sandoval) had no runoff (i.e. full retention of rainfall). Therefore rainfall primarily left through either evapotranspiration or groundwater flow. During C.Y. 2008, this discharge through evapotranspiration and groundwater continued, in addition to direct discharge through control structures. The relationship between these is not well documented. Prior to development, farm ditches discharged rainwater or it infiltrated into the water table through pervious soils.

Investigation of the benefits of increased groundwater recharge and flow versus direct discharge (through water control structures) downstream would be of interest in guiding water management design for future developments.

6. WATER QUALITY

6. WATER QUALITY

In 2008, a water quality component was implemented as part of the Long Term Discharge Study. Reference is made to the Water Quality Monitoring Plan Long Term Discharge Study, published in July of 2008, by Johnson Engineering staff with the input and assistance of staff at Florida Gulf Coast University, to guide the water quality monitoring.

The objective of the program as described in the above referenced report is to “collect water quality sampling data from the project sites to better understand the system behaviors during dynamic flow periods and static to dropping water level periods in the water management systems.” Some text from the 2008 plan is restated here for convenience.

General project site selection occurred during development of The Long Term Discharge Study Operational Plan, prepared in March 2007 by Johnson Engineering.

That site selection process resulted in six study sites with well defined watershed basin boundaries and ownership entities willing to participate in the study. The landform communities for the six projects range from typical Florida coastal environments to inland prairie systems. All are well maintained residential communities with standard wet detention water managements systems with defined, controlled outfall structures providing stormwater runoff attenuation. Five are residential-golf course communities and one is residential community only without a golf course. Multi family areas are limited to one group of 12 buildings at the Verandah site, amounting to approximately 5% of the basin area at this site. The density of single family lots ranges from higher at Sandoval with approximately 440 developed homesites on 391 acres to mid range at Mediterra with approximately 215 homesites on 768 acres to lower density at Twin Eagles with approximately 40 developed homesites on 461 acres. Inspection of the attached aerial exhibits for each project reveals fairly mature projects with several continuing to add dwelling units as they approach build out.

Because of the varying density gradient seen from project to project, opportunities for comparative data analysis will exist, including percent impervious area or total storage volumes, among others. Follow-up data analysis by Florida Gulf Coast University staff may consider these

types of enhanced data comparisons. The projects selected in the previous process outlined in the 2007 Operational Plan are:

1. Verandah
2. Sandoval
3. Shadow Wood Preserve
4. The Brooks
5. Mediterra
6. Twin Eagles

These projects have segregated themselves into 2 distinct categories based on careful water level and discharge measurements taken during the 2007 calendar year. Two projects were clearly discharging stormwater runoff during portions of the 2007 calendar year, and four projects did not discharge at all during 2007.

Site selection for water quality locations inside the six projects is based partially on this discharge-no discharge criteria. It is expected that discharge behaviors for 2008 and 2009 will be similar to 2006 and proportional to the amount of rainfall received at the various project sites compared to the amounts received during the 2007 calendar year. Keep in mind that rainfall amounts received during 2007 were significantly below average for the region. Higher rainfall levels did result in discharge at additional sites in 2008 and differences in discharge behaviors compared to 2007.

Because of the unknown rainfall amount consideration, the water quality program must include flexibility to vary and adapt sampling protocols used at the six project locations to accommodate either more or less rainfall. It is unknown at this point how many projects sites will discharge during the year and how some sampling protocols will be based on static to declining water levels falling below control elevation at the project site.

Since all of the selected sites are communities that have tightly managed maintenance activities, there exist opportunities to develop sampling protocols that would target certain management activities and plan coincidental sampling to generate data related to water management system behavior and water quality. This would need to be done in close consultation with on-site

operational staff to preserve the existing positive cooperative relationship that all of the project sites have developed with the program managers.

2008 Results

Twenty nine sample sets were collected during the 2008 calendar year, including samples from all 6 project sites, as shown in the attached event summary table on page 6-5. Grab samples were taken during the very early portions of the initial discharges from the project control structures. Subsequent samples were taken utilizing on-site automated samplers set to do 24 hour compositing. Because of limited amounts of discharge, additional static grab sampling was done during periods of extended no-flow conditions.

See the Water Quality Monitoring Plan Long Term Discharge Study for additional details and methodologies. FDEP Standard Operating Procedures (SOP) were employed in all cases, by Johnson Engineering staff trained in FDEP SOPs and protocols.

Because of the limited number of total samples and the variety of sampling performed, long term relevance of the data collected is not as great as it could be with larger numbers of sample sets collected over longer periods of time. Efforts should be made to continue sampling these locations over time, as the value added by being able to tie the water quality results to the discharge characteristics is great.

Detailed sampling results can be found in the Water Quality Appendix F. Below is a brief summary of the sampling activities.

1. Verandah – 6 sample sets composed of 2 sets of initial grab samples and 4 sets of 24 hour composite data
2. Sandoval - 6 sample sets composed of 2 sets of initial grab samples and 4 sets of 24 hour composite data
3. Shadow Wood Preserve - 5 sample sets composed of 1 set of initial grab samples and 4 sets of 24 hour composite data
4. The Brooks - 5 sample sets composed of 1 set of initial grab samples and 4 sets of 24 hour composite data

5. Mediterra – 4 sample sets composed of 1 initial grab sample, 1 24-hour set of composite data and 2 static lake sample sets
6. Twin Eagles – 3 sample sets composed of 1 initial grab sample and 2 static lake sample sets.

Included in the Water Quality Appendix F are 2 charts depicting the results of the InSitu Aqua Troll Pressure/Conductivity/Temperature probe data collection. One of these devices was installed to evaluate performance related to detecting small changes in salinity in water management systems. While the data retrieved to date is limited, the probe sensitivity and reliability indicate that it will be of value in systems where salinity is a consideration due to salt water intrusion potential. The device is installed at the Verandah project situated on the Orange River, a tributary to the environmentally sensitive Caloosahatchee River in Lee County, Florida. Long term effects of salinity changes on water management systems in this area is unknown, but significant changes in salinity are known to occur in the Caloosahatchee River during drought periods and due to heavy discharge from Lake Okeechobee through the upstream Franklin Locks.

FDEP Long Term Discharge Study -20066052
Water Quality Sample Events

note: rainfall amounts shown are
for the most recent daily totals

Verandah

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	7/9/2007	WV-L4US	Grab	0.24
2	7/11/2008	WV-L4US	Grab	0.2
3	7/24/2008	QVL-29	24 Hr Composite	0.5
4	8/26/2008	QVL-29	24 Hr Composite	1
5	9/11/2008	QVL-29	24 Hr Composite	1.45
6	10/6/2008	QVL-29	6 Hr Composite/Rain	0.8

Sandoval

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	7/19/2007	WS-3	Grab	1.3
2	7/2/2008	WS-1	Grab	0.11
3	7/18/2008	WS-1	24 Hr Composite	0.19
4	8/21/2008	WS-1	24 Hr Composite	0.85
5	9/11/2008	WS-1	24 Hr Composite	0.97
6	10/6/2008	WS-1	6 Hr Composite/Rain	0.39

Shadow Wood Preserve

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	7/14/2008	LA-1	Grab	0.4
2	7/24/2008	LA-1	24 Hr Composite	0.25
3	8/28/2008	LA-1	24 Hr Composite	0.15
4	9/11/2008	LA-1	24 Hr Composite	0.4
5	10/9/2008	LA-1	24 Hr Composite	0.1

The Brooks

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	7/9/2008	QB-1	Grab	0.75
2	7/22/2008	QB-1	24 Hr Composite	0.12
3	8/21/2008	QB-1	24 Hr Composite	1.44
4	9/11/2008	QB-1	24 Hr Composite	1.77
5	10/7/2008	QB-1	6 Hr Composite/Rain	0.39

Mediterra

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	9/22/2008	L-55	Grab	4.46
2	10/8/2008	L-55	24 Hr Composite	2.46
3	10/30/2008	QM-1T, QM-1B	Static Lake	NA
4	11/24/2008	QM-1T, QM-1B	Static Lake	NA
5				

Twin Eagles

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	8/20/2008	QT-2	Grab	7.65
2	9/11/2008	QT-1T, QT-1B	Static Lake	NA
3	11/24/2008	QT-1T, QT-1B	Static Lake	NA
4				
5				

7. CONCLUSIONS AND COMMENTS

7. CONCLUSIONS AND COMMENTS

CONCLUSIONS

1. Calendar Year 2008 had a high rainfall of 62.35 inches (average over the six projects), C.Y. 2007 - 37.22 inches, as compared to the 55 inches annual average for the Southwest Florida area.
2. The period of time during which the summer rainfall occurred, mid-June through mid-September, was consistent for both dry and wet years (2007-2008) which confirms observations of Southwest Florida over the last 40 years.
3. Unlike C.Y. 2007, when only two (1. Verandah, and 2. Sandoval) projects had runoff, in C.Y. 2008, all six projects had significant runoff.
4. The percentage of Outflow Volume/Rainfall Volume increased on each of the six projects between 2007 and 2008. The primary contributor to this rise was increased rainfall and impervious area.
5. The Sandoval Project had one of the highest outflows, 37.2% of the total rainfall volume, and is notably the only area that has no golf course; Twin Eagles the lowest at 2.9%
6. As in C.Y. 2007, interconnecting of lake systems (i.e. Sandoval an excellent example) further attenuates single drainage area surge discharges.
7. The C.Y. 2007 Report stated that full retention and interconnection significantly attenuates surge discharges, probably to a greater (and more beneficial) extent than initial “pre equal post development” design regulations anticipated; 2008 data further reinforces that concept.
8. Several related factors, other than simple rainfall and direct runoff through weir outfall structures influence total runoff; among these factors being percentage of imperviousness, groundwater recharge through infiltration from elevated lakes and attenuation of runoff by interconnecting lake systems.

COMMENTS

1. The relationship between the percentage of direct downstream discharge (through water control structures) and groundwater flow should be investigated and monitored..
2. Efficacy of nutrient removal from typical wet detention versus groundwater transpiration may be of interest.

APPENDICES

APPENDIX

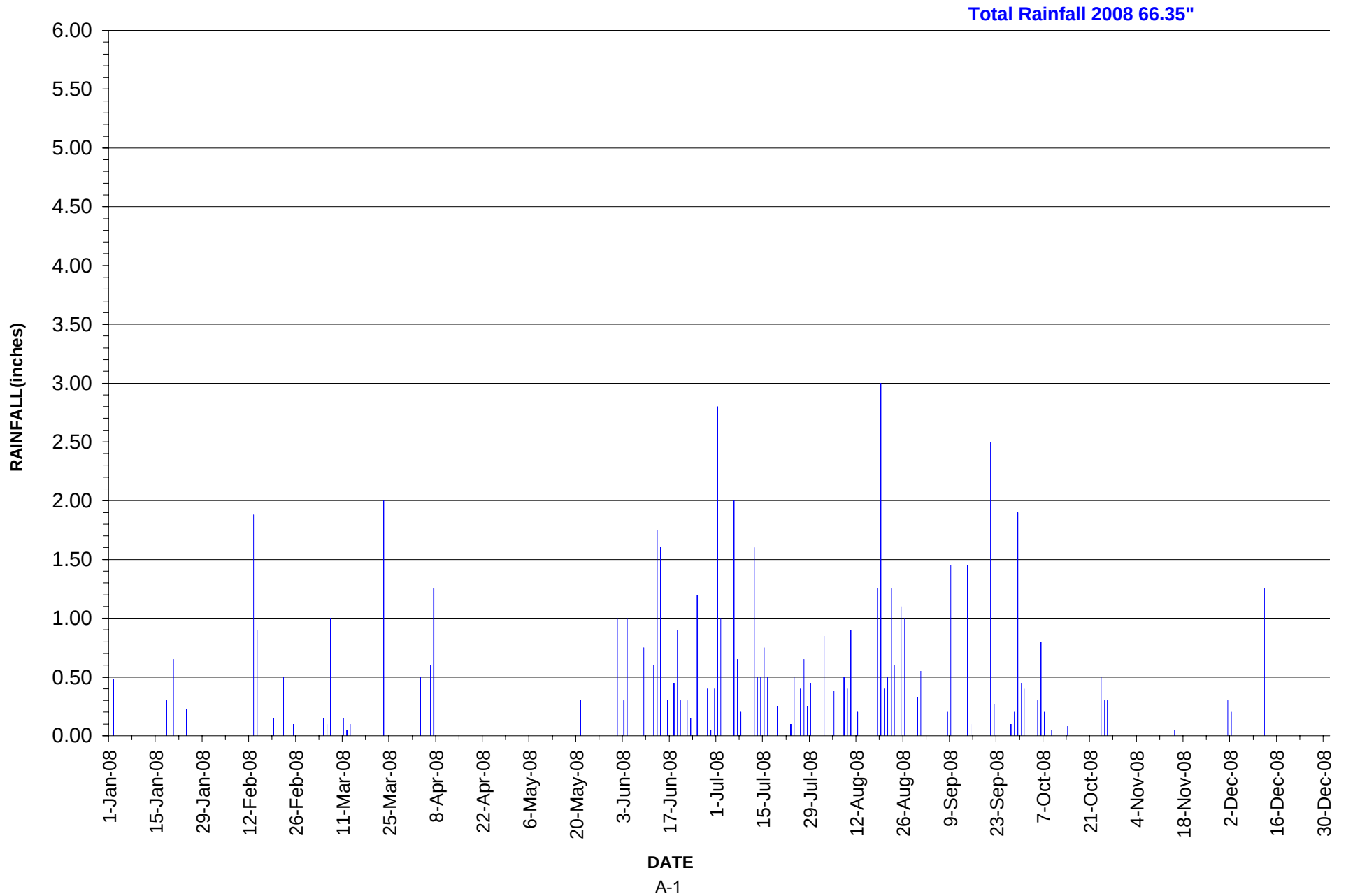
<u>Description</u>	<u>Page</u>
RAINFALL GRAPHS – ALL PROJECTS	A-1
AERIAL PHOTOGRAPHS – ALL PROJECTS.....	B-1
RAINFALL/STAGE-TIME GRAPHS – ALL PROJECTS	C-1
SANDOVAL AERIALS – DEVELOPED AREAS.....	D-1
PHOTOGRAPHS – PROJECT SITES.....	E-1
WATER QUALITY DATA	F-1

APPENDIX A

Rainfall Graphs – All Projects

VERANDAH RAIN DATA 2008

RV-1

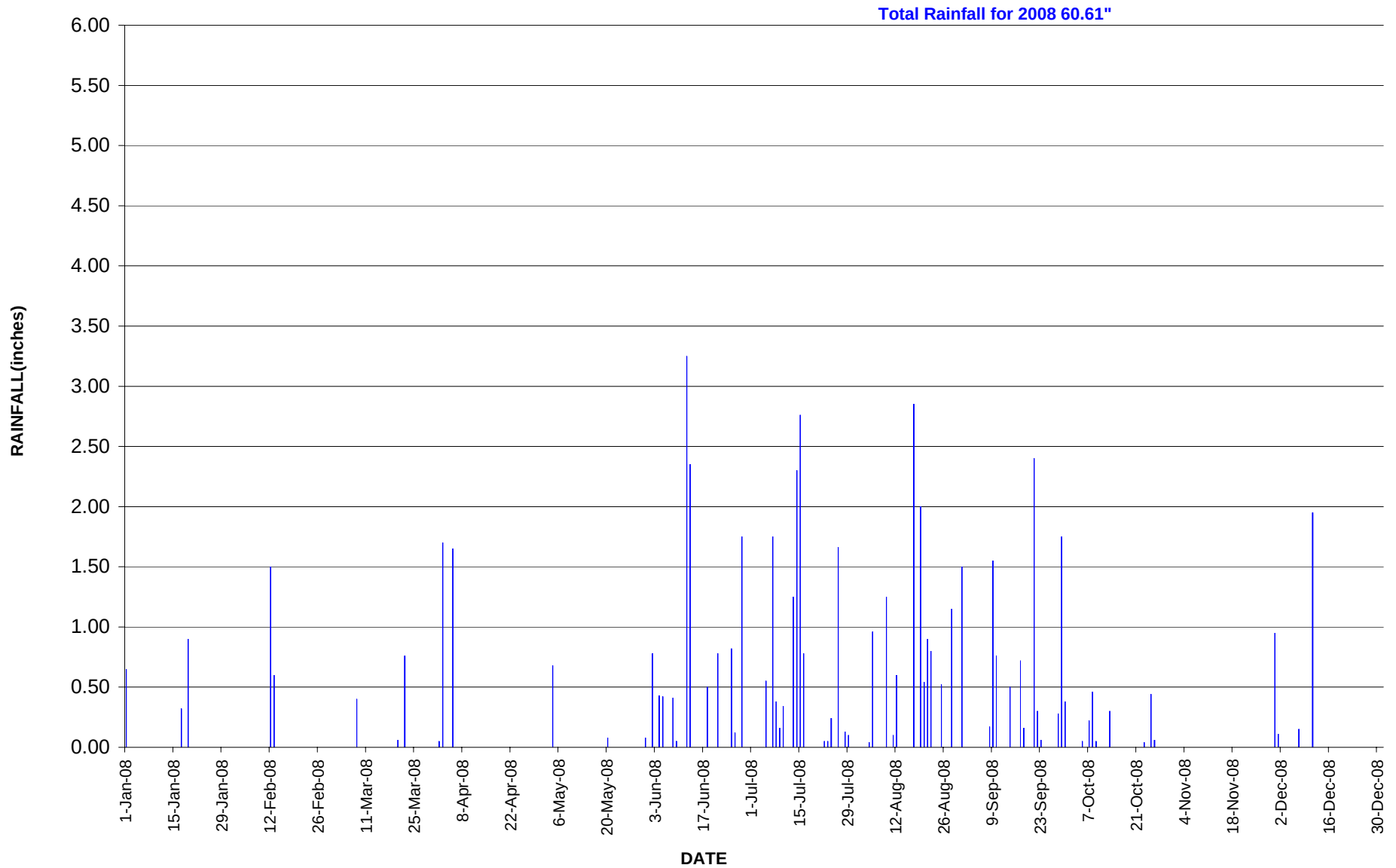


SANDOVAL RAIN DATA 2008

RS-1

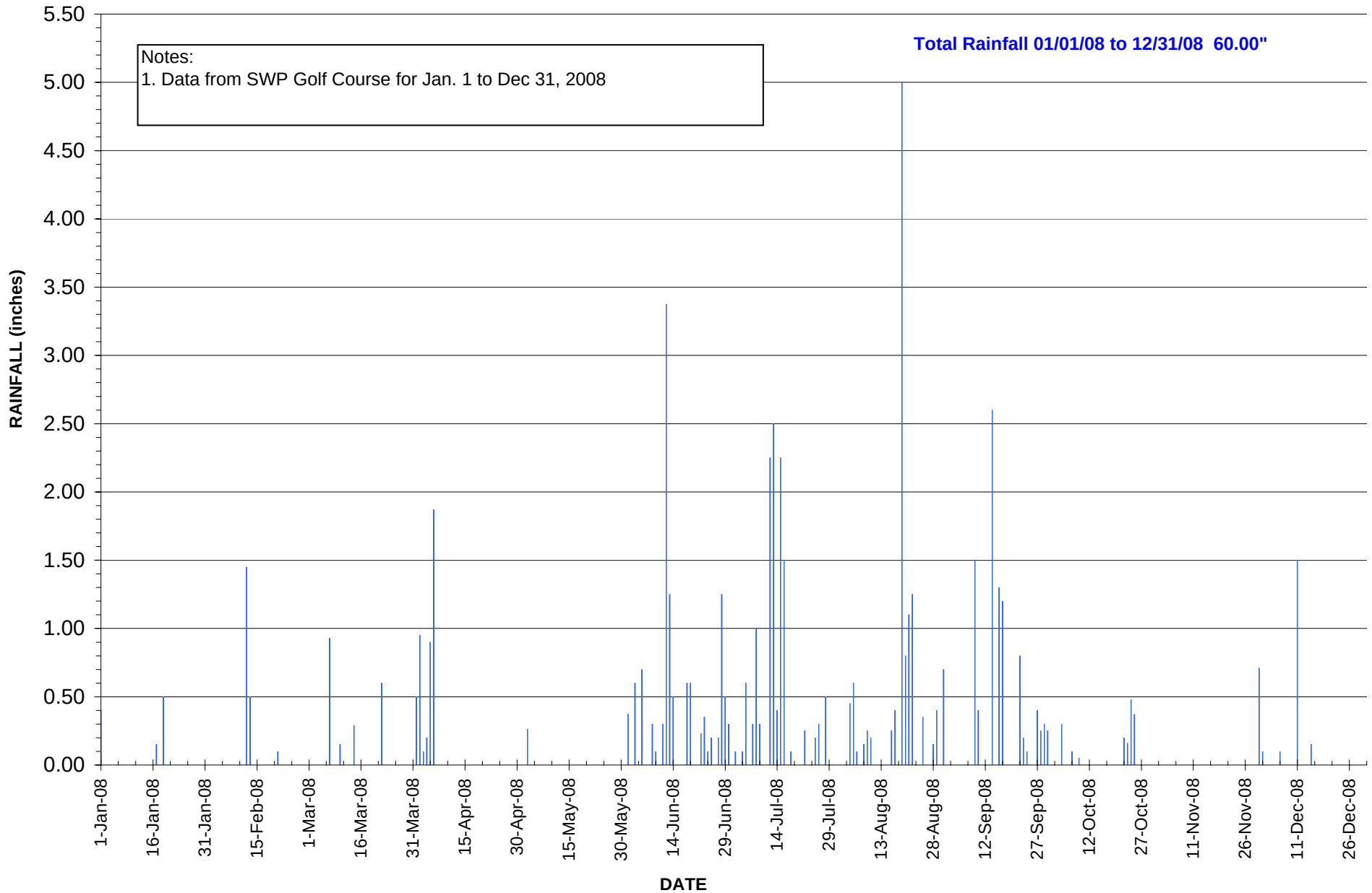


Data taken from Cape Coral R.O. Plant at
2090 SW 32nd St



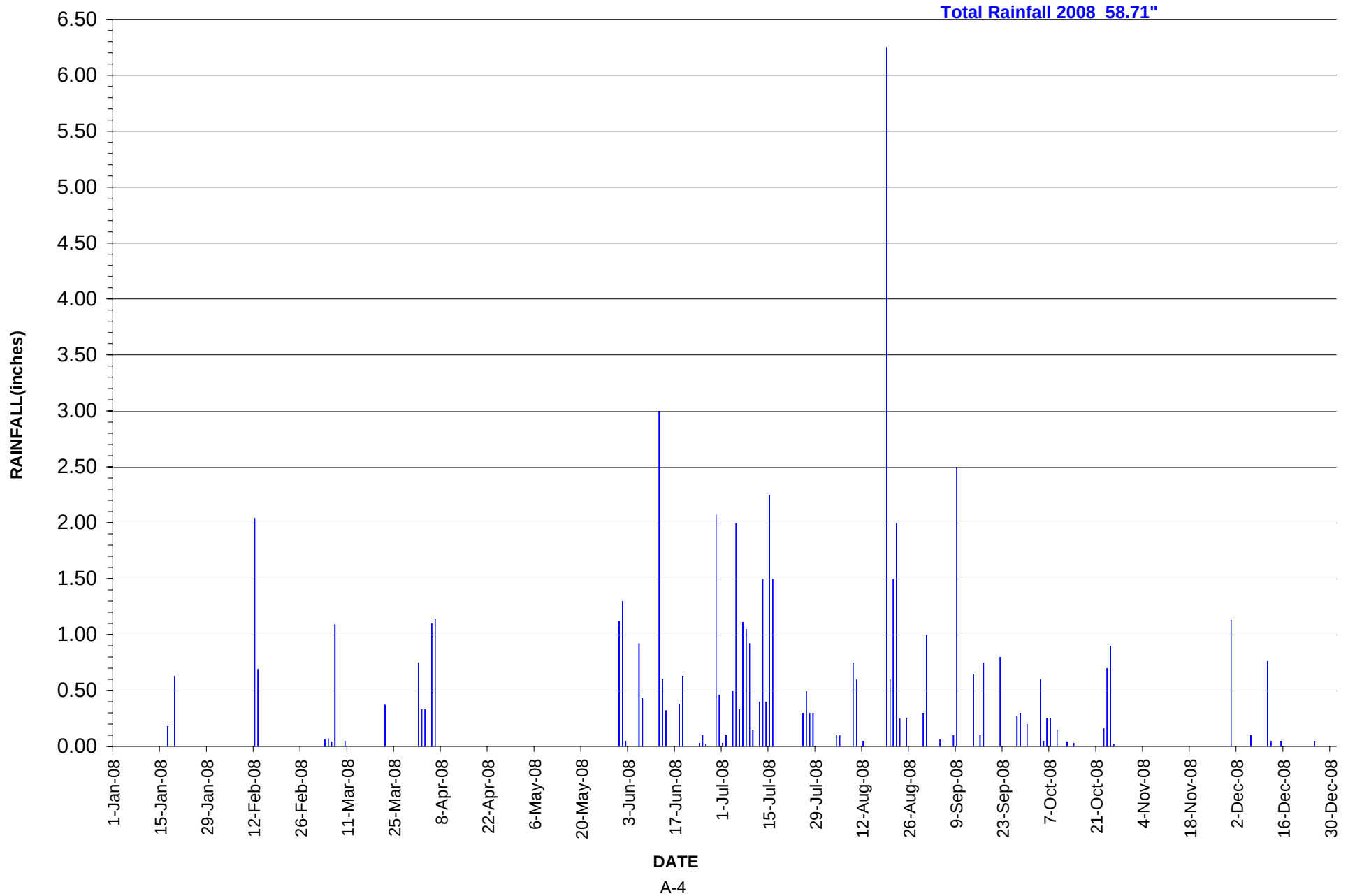
SHADOW WOOD PRESERVE RAIN DATA 2008

RS-1



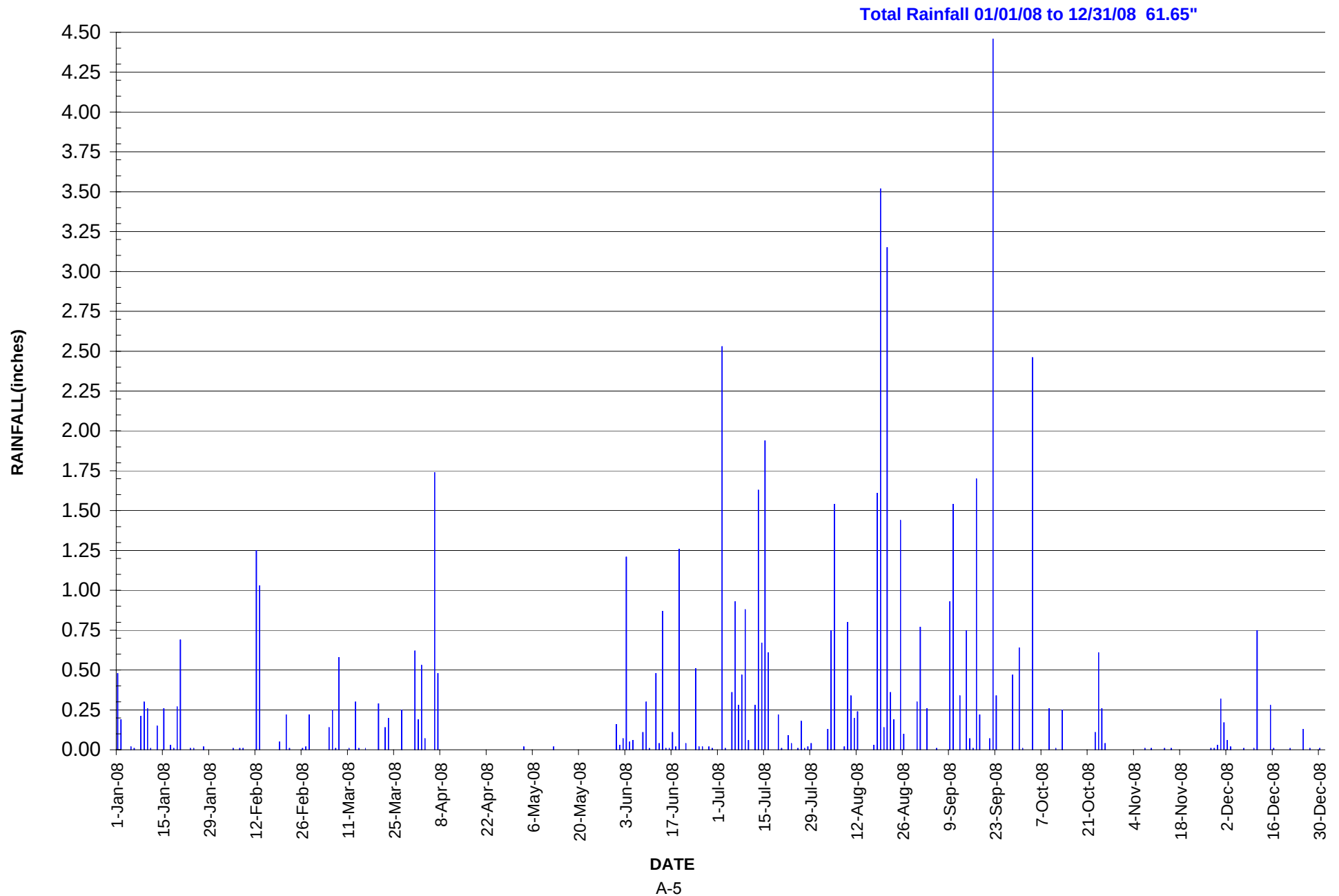
THE BROOKS RAIN DATA 2008

RB-1



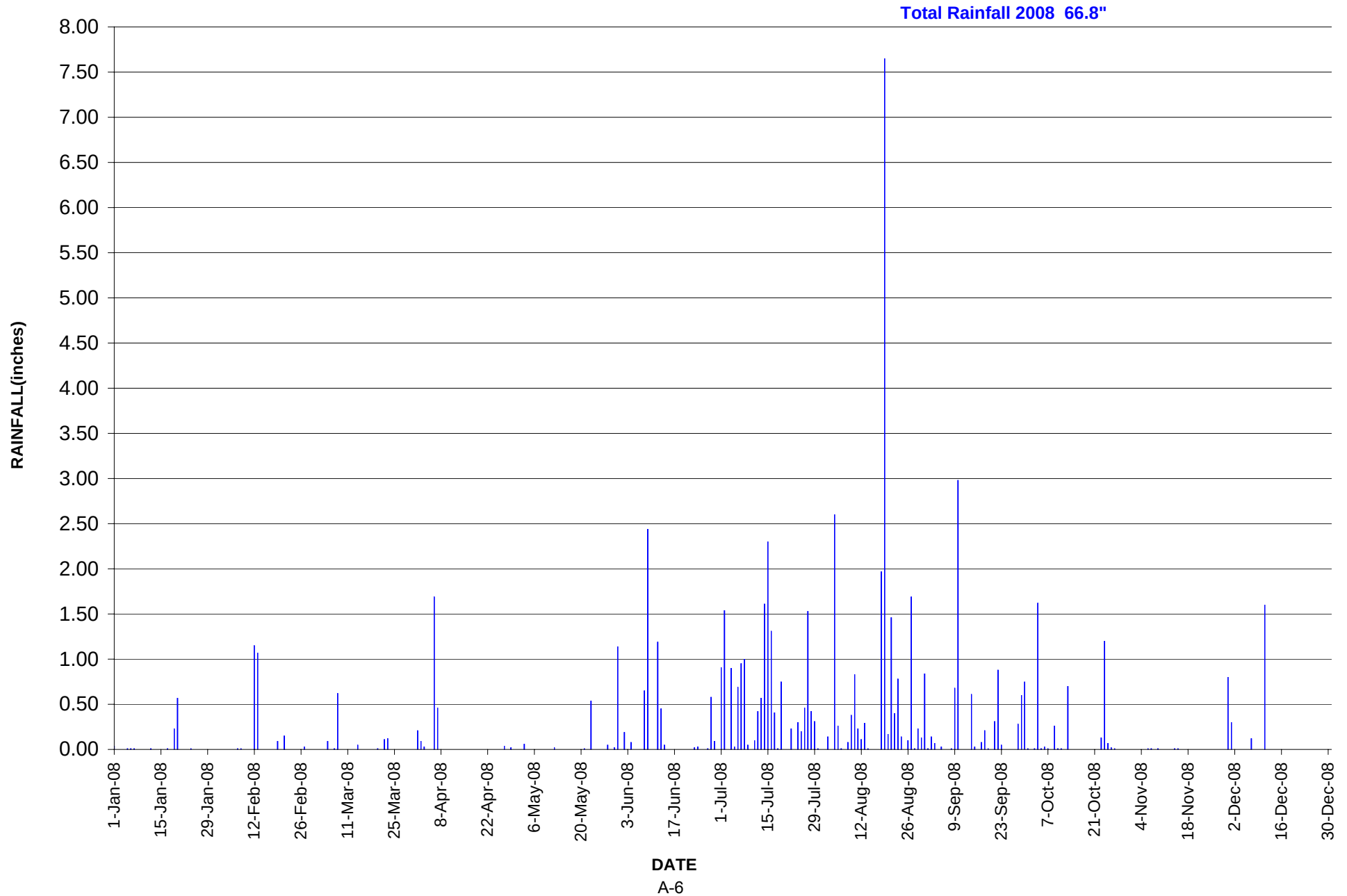
MEDITERRA RAIN DATA 2008

RM-1 at Maintenance Area



TWIN EAGLES DATA 2008

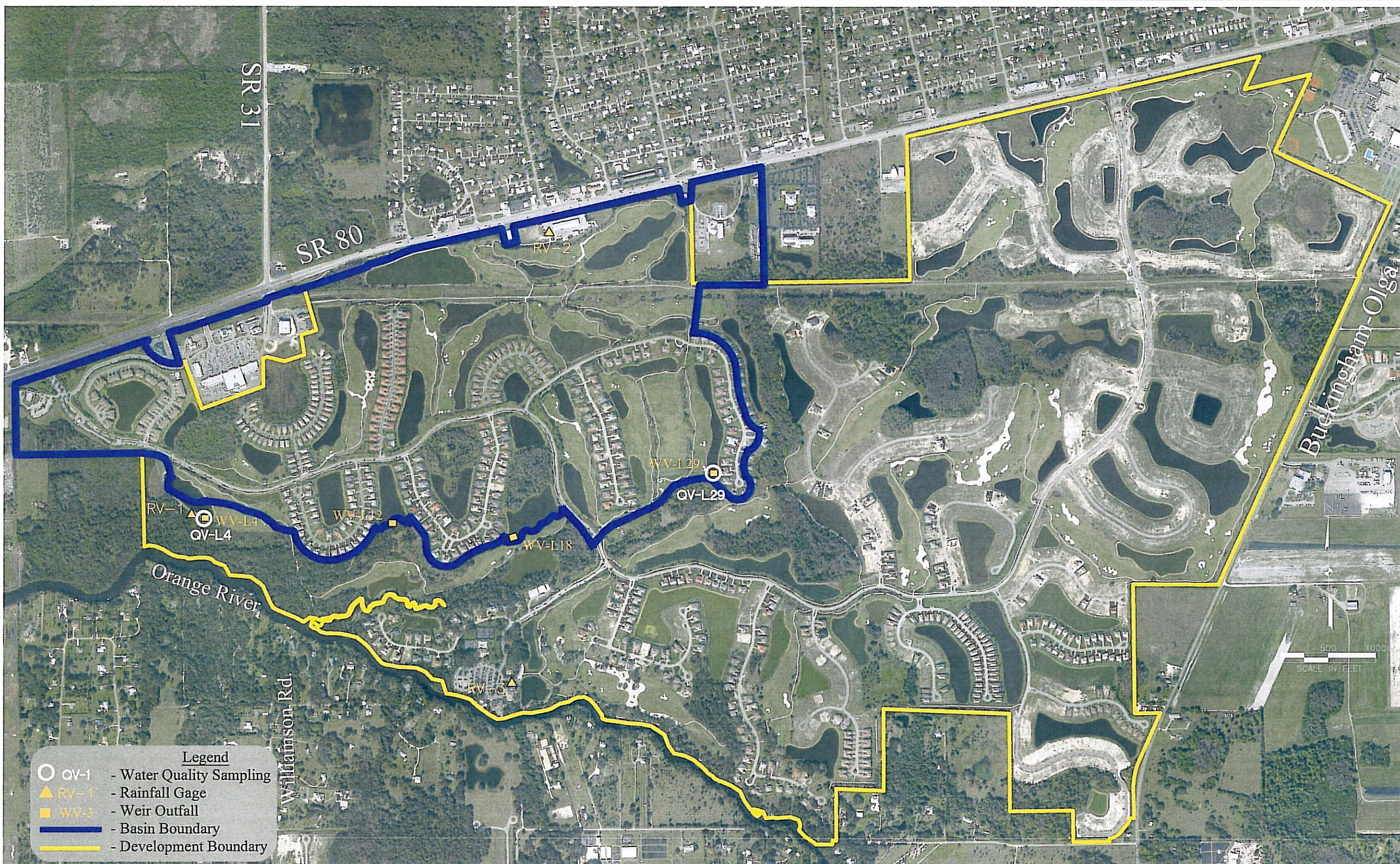
RT-1 at Outfall



APPENDIX B

Aerial Photographs – All Projects

J:\2006052\2008 Report\Drawings\11x17 Aerials Verandah.dwg (11x17 Verandah) m12 May 06, 2009 - 8:52am



NOTE: Aerial shown is dated January 2008.

Bonita Bay Group
Lee County, Florida

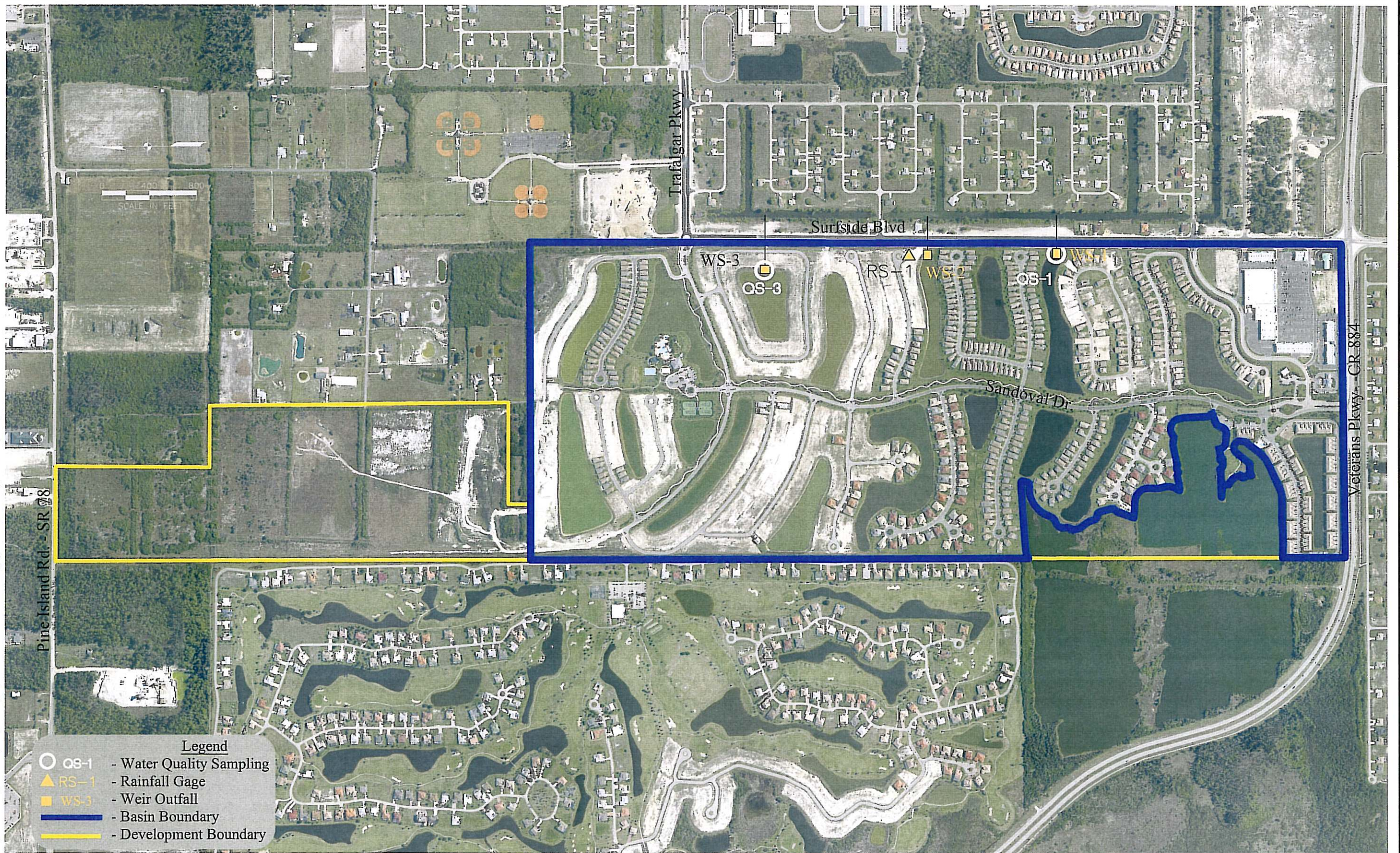
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1. VERANDAH - Aerial January 2008
Water Quality / Discharge Study

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
01/30/09	20066052	00-00-00	As Shown	B-1

u:\20066052\2008 Report\Drawings\11x17 Aerials Sandoval.dwg (11x17 Sandoval) ml2 May 06, 2009 - 11:40am



NOTE: Aerial shown is dated January 2008.

Bonita Bay Group
Lee County, Florida

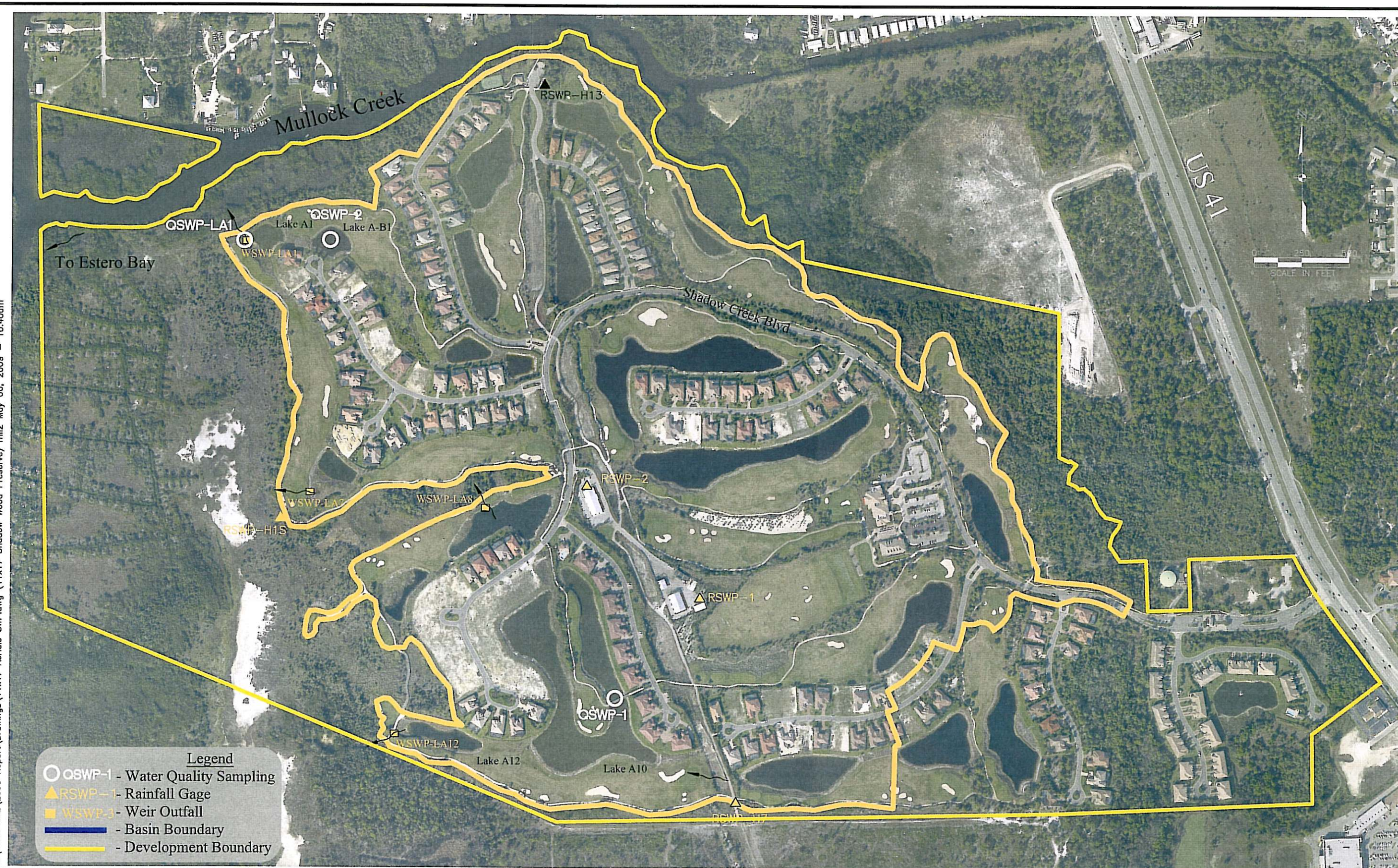
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ENGINEERING

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PHONE (239) 334-0046
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E.B. #642 & L.B. #642

2. SANDOVAL - Aerial January 2008
Water Quality / Discharge Study

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
01/30/09	20066052	00-00-00	As Shown	8-2

J:\2006052\2008 Report\Drawings\11x17 Aerials SWP.dwg (11x17 Shadow Wood Preserve) m12 May 06, 2009 - 10:40am



NOTE: Aerial shown is dated January 2008.

Bonita Bay Group
Lee County, Florida

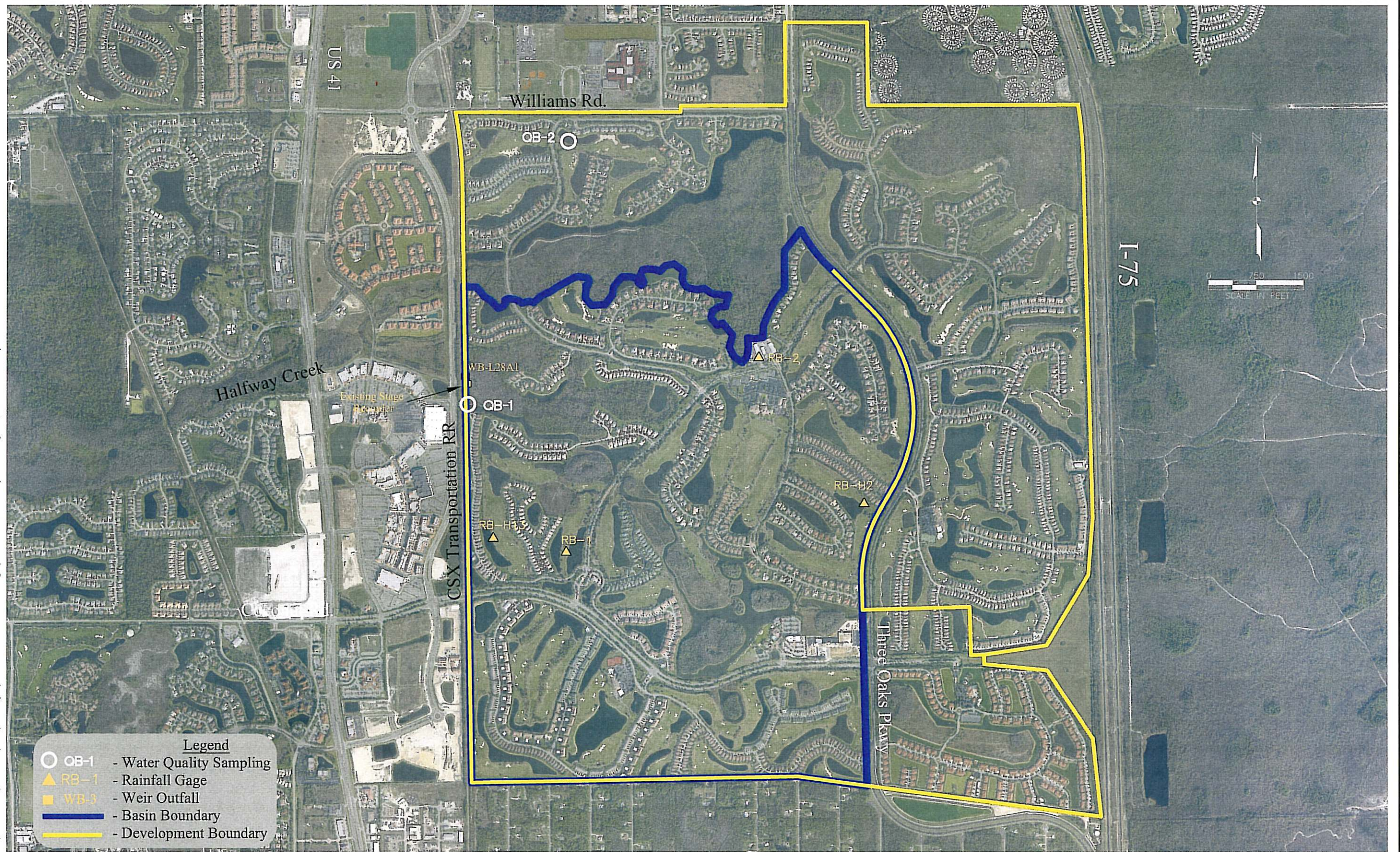
JOHNSON
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PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

3. SHADOW WOOD PRESERVE-Aerial Jan 2008
Water Quality / Discharge Study

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
01/30/09	20066052	00-00-00	As Shown	8-3

u:\20066052\2008 Report\Drawings\11x17 Aerials Brooks.dwg (11x17 The Brooks) m12 May 06, 2009 - 3:57pm



Bonita Bay Group
Lee County, Florida

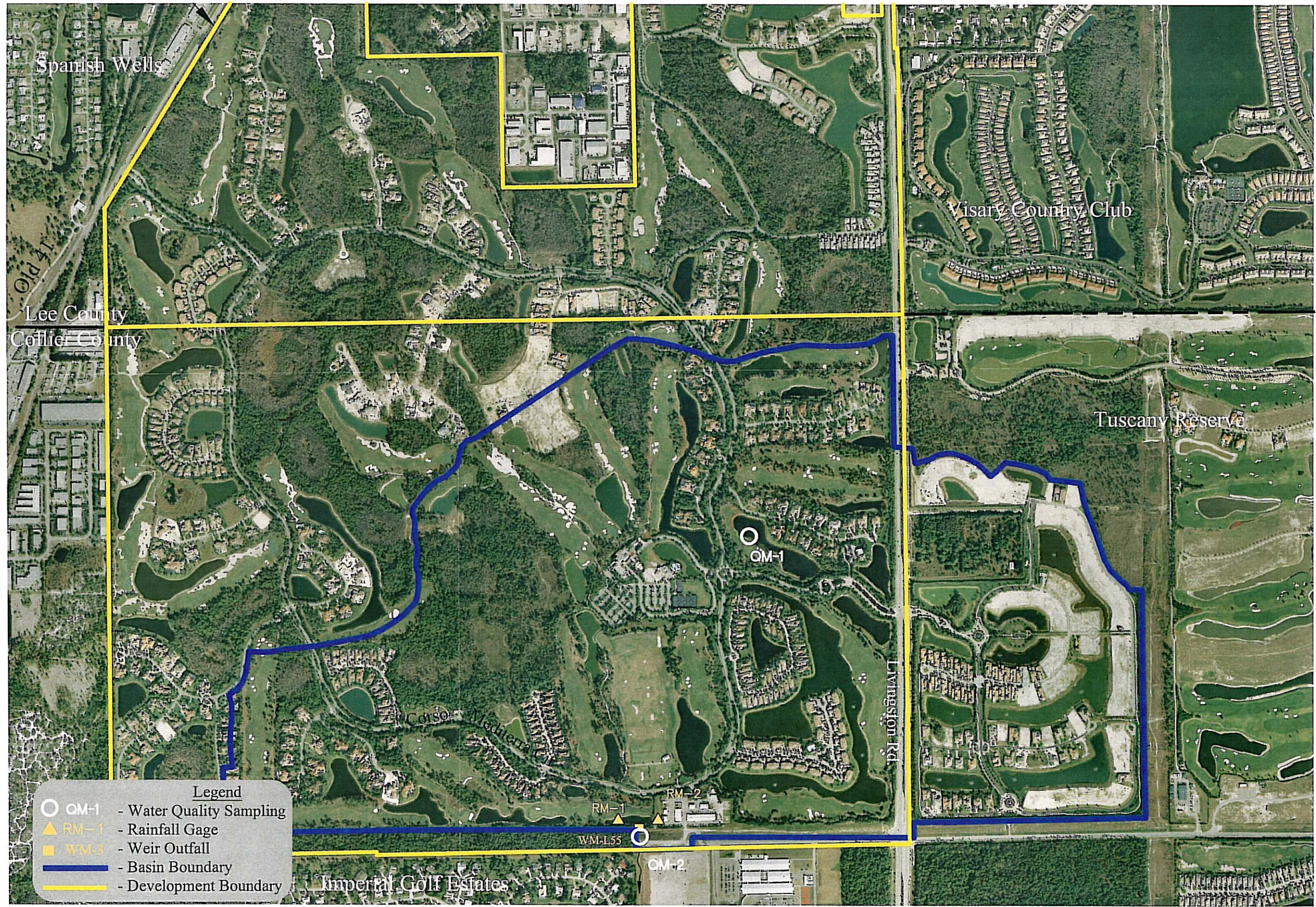
JOHNSON
ENGINEERING

2122 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

4. THE BROOKS - Aerial January 2008
Water Quality / Discharge Study

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
01/30/09	20066052	00-00-00	As Shown	8-4

J:\2006052\2008 Report\Drawings\11x17 Aerials Mediterra.dwg (11x17 Mediterra) m12 May 06, 2009 - 2:06pm



NOTE: Aerial shown is dated January 2008.

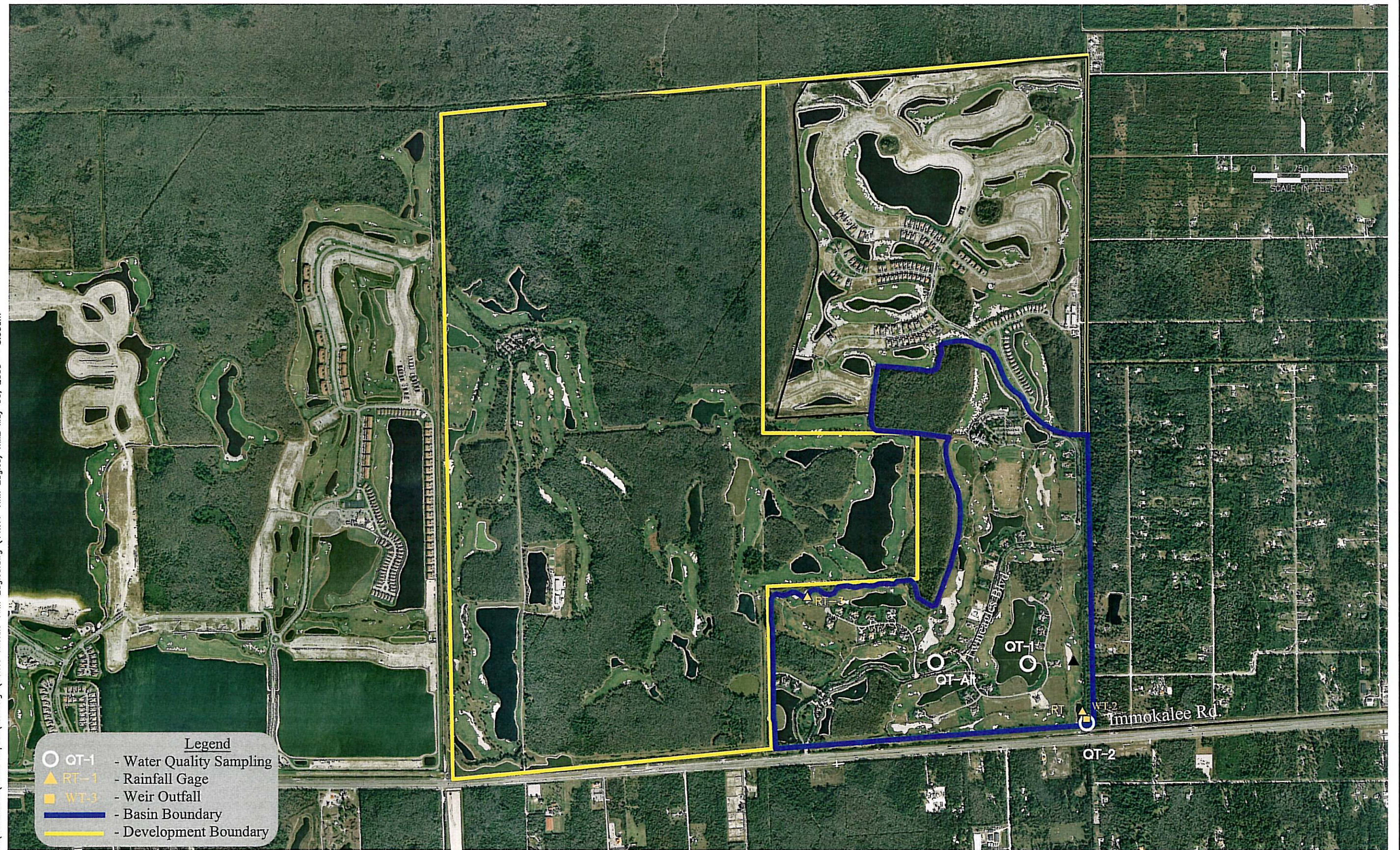
Bonita Bay Group
Lee County, Florida

JOHNSON
ENGINEERING

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P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

5. MEDITERRA - Aerial January 2008 Water Quality / Discharge Study				
DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
01/30/09	20066052	00-00-00	As Shown	8-5

J:\2006052\2008 Report\Drawings\11x17 Aerials Twin Eagles.dwg (11x17 Twin Eagles) m12 May 06, 2009 - 8:55am



NOTE: Aerial shown is dated January 2008.

Bonita Bay Group
Lee County, Florida

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PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

6. TWIN EAGLES - Aerial January 2008
Water Quality / Discharge Study

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
01/30/09	20066052	00-00-00	As Shown	8-6

APPENDIX C

Rainfall/Stage-Time Graphs – All Projects

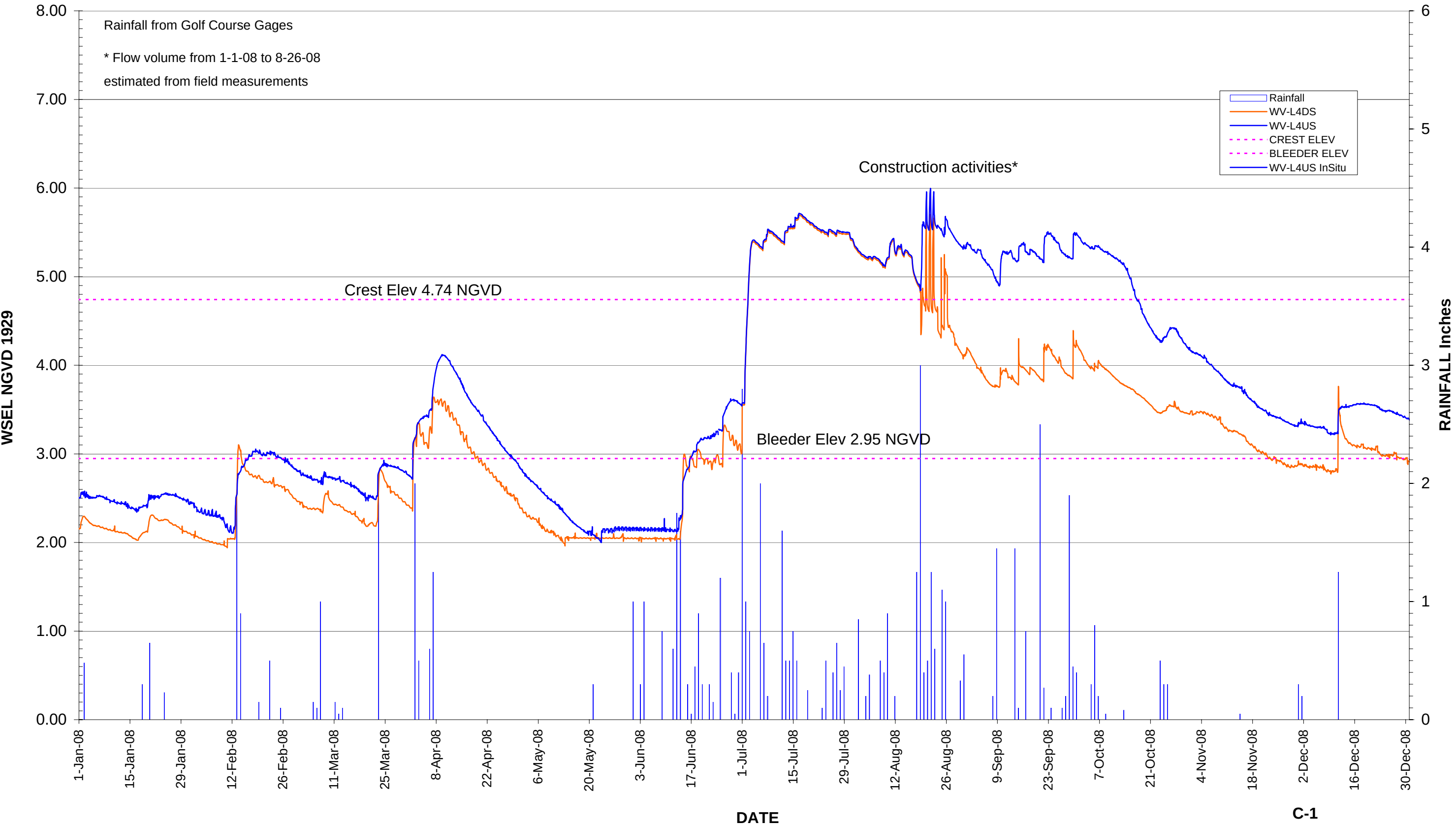
VERANDAH 2008

WV-L4US and WV-L4DS DATA LOGGERS



TOTAL FLOW 1/01/08 TO 12/31/08 **25,361,591** Cu Ft

Total Rainfall 2008 **66.35"**



VERANDAH 2008

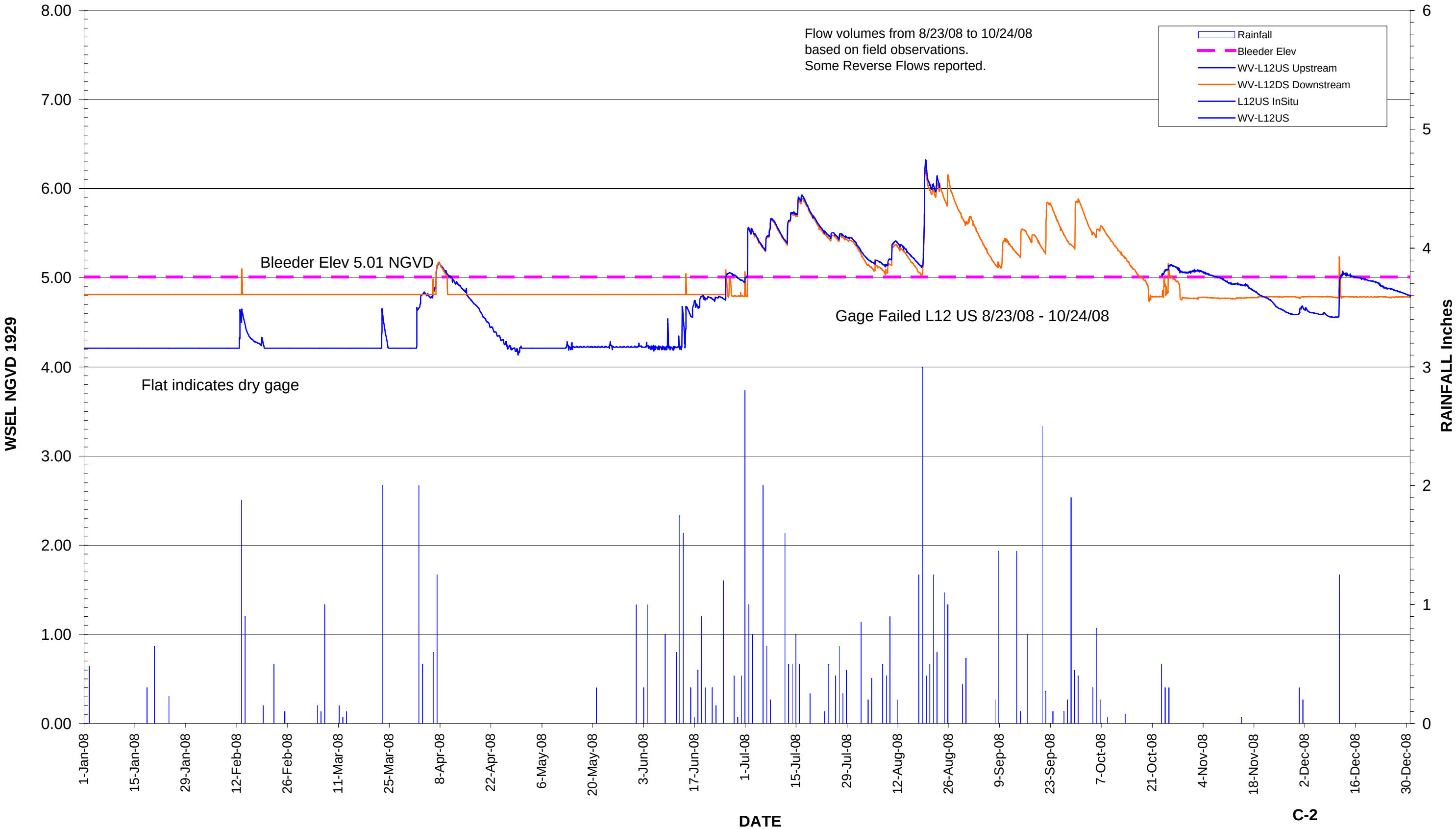
WV-L12US and WV-L12DS DATA LOGGERS



Rainfall from Golf Course Gages

TOTAL FLOW 1/01/08 TO 12/31/08 **4,259,017** Cu Ft

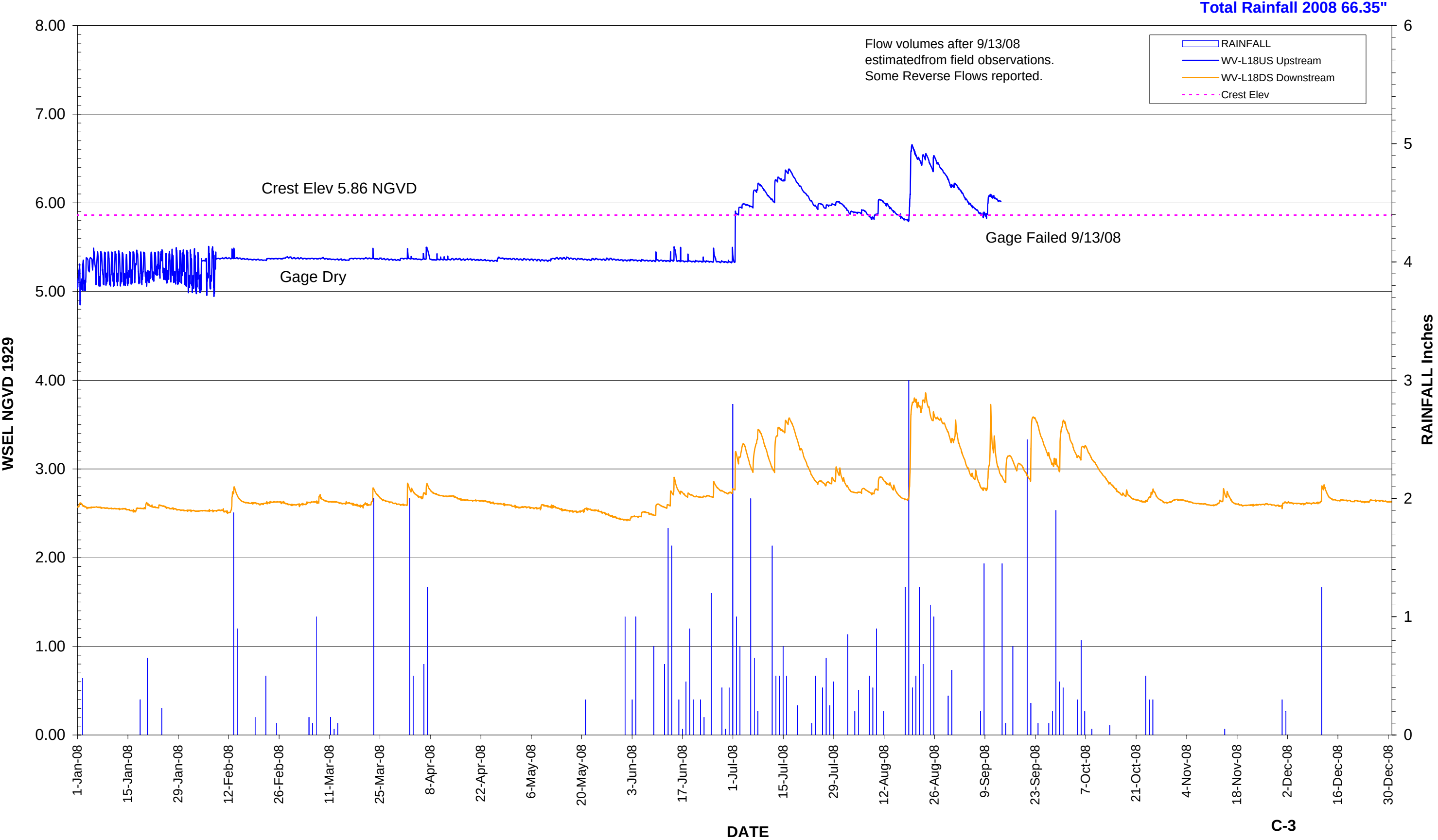
Total Rainfall 2008 66.35"



VERANDAH 2008
WV-L18US and WV-L18DS DATA LOGGERS



TOTAL FLOW 1/01/08 TO 12/31/08 5,343,880 Cu Ft



VERANDAH 2008

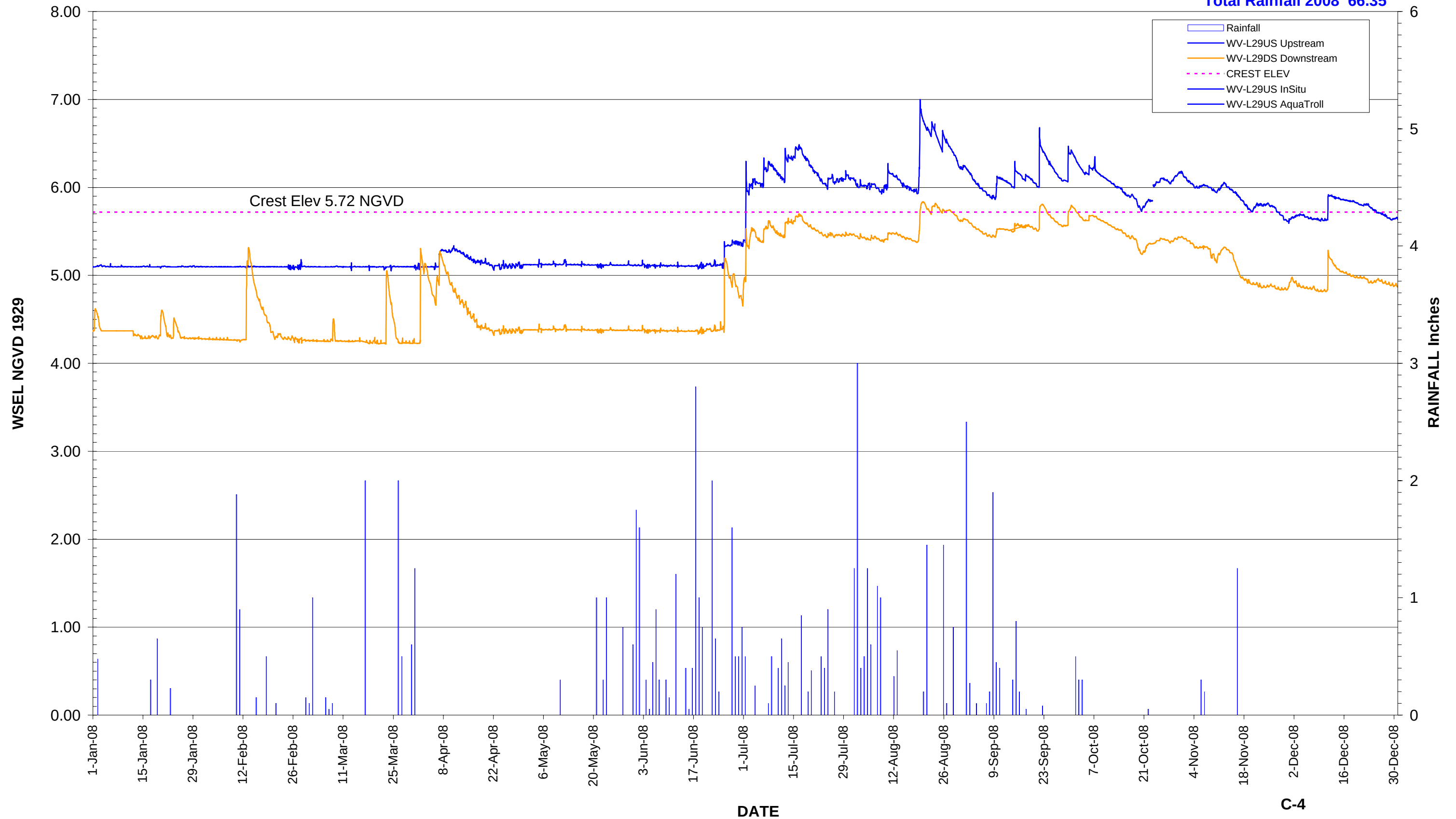
WV-L29US and WV-L29DS DATA LOGGERS



Rainfall from Golf Course Gages

TOTAL FLOW 1/01/08 TO 12/31/08 **5,321,765** Cu Ft

Total Rainfall 2008 66.35"



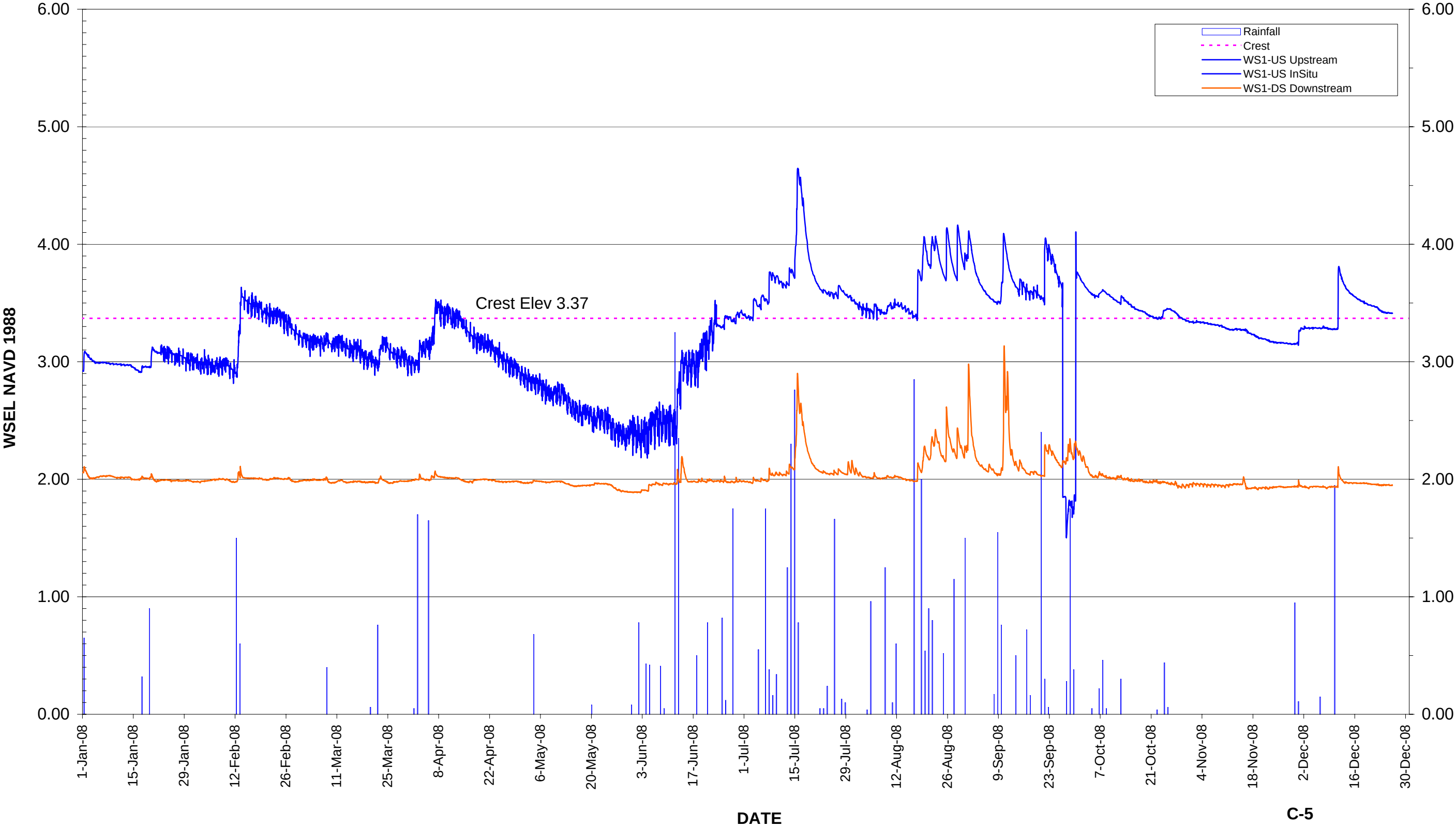
SANDOVAL 2008 WATER LEVELS

WS1US and WS1DS DATA LOGGERS



TOTAL FLOW 1/01/08 TO 12/26/08 **11,944,712** Cu Ft

TOTAL RAINFALL 2008 60.61"



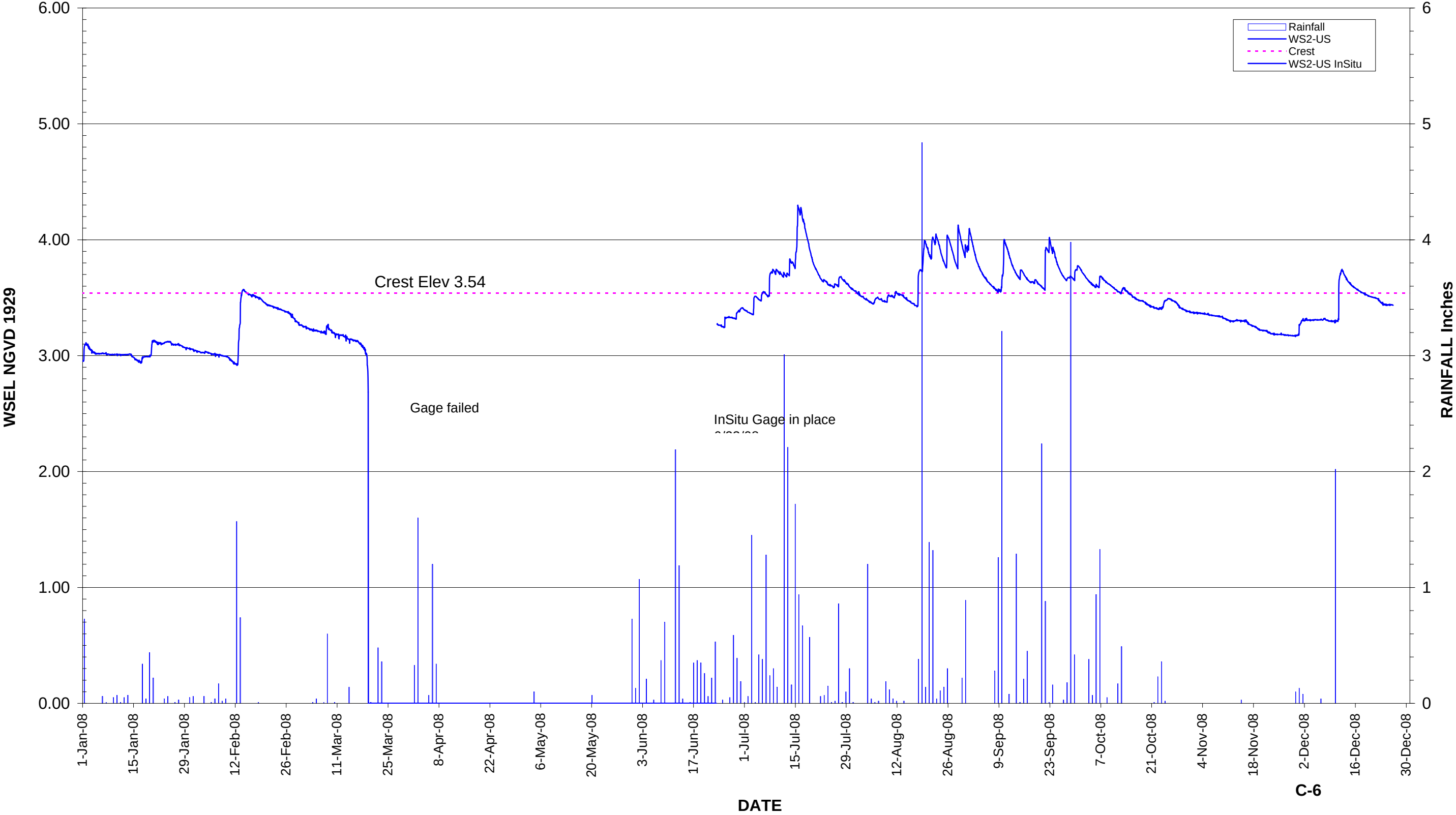
SANDOVAL 2008 WATER LEVELS

WS2US DATA LOGGER



TOTAL FLOW 01/01/08 TO 12/26/08 5,576,793 Cu Ft

Total Rainfall for 2008 68.16"



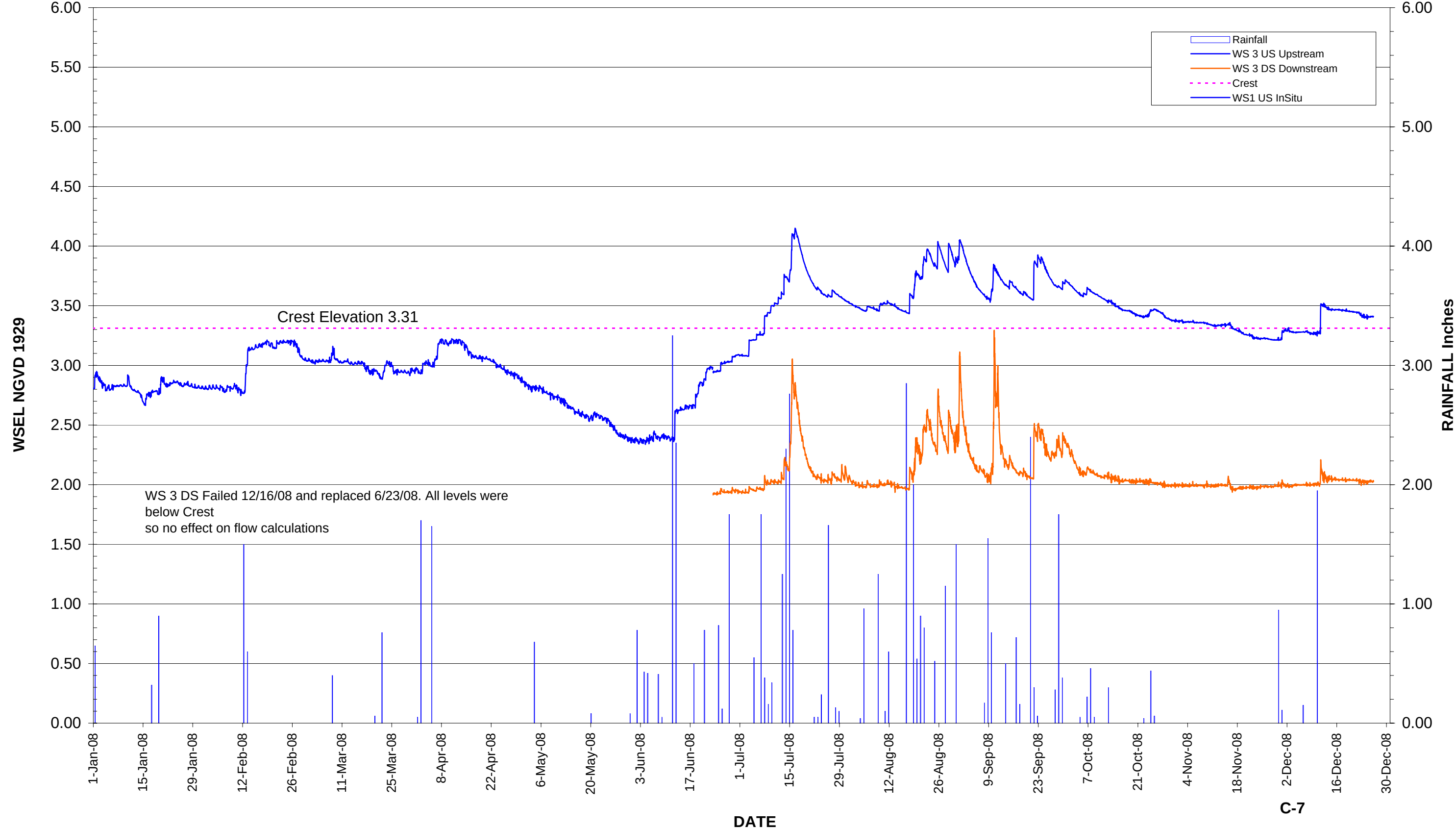
SANDOVAL 2008

WS 3 US and WS 3 DS DATA LOGGERS



TOTAL FLOW 01/01/08 TO 12/26/08 14,484,682Cu Ft

Total Rainfall for 2008 60.61"

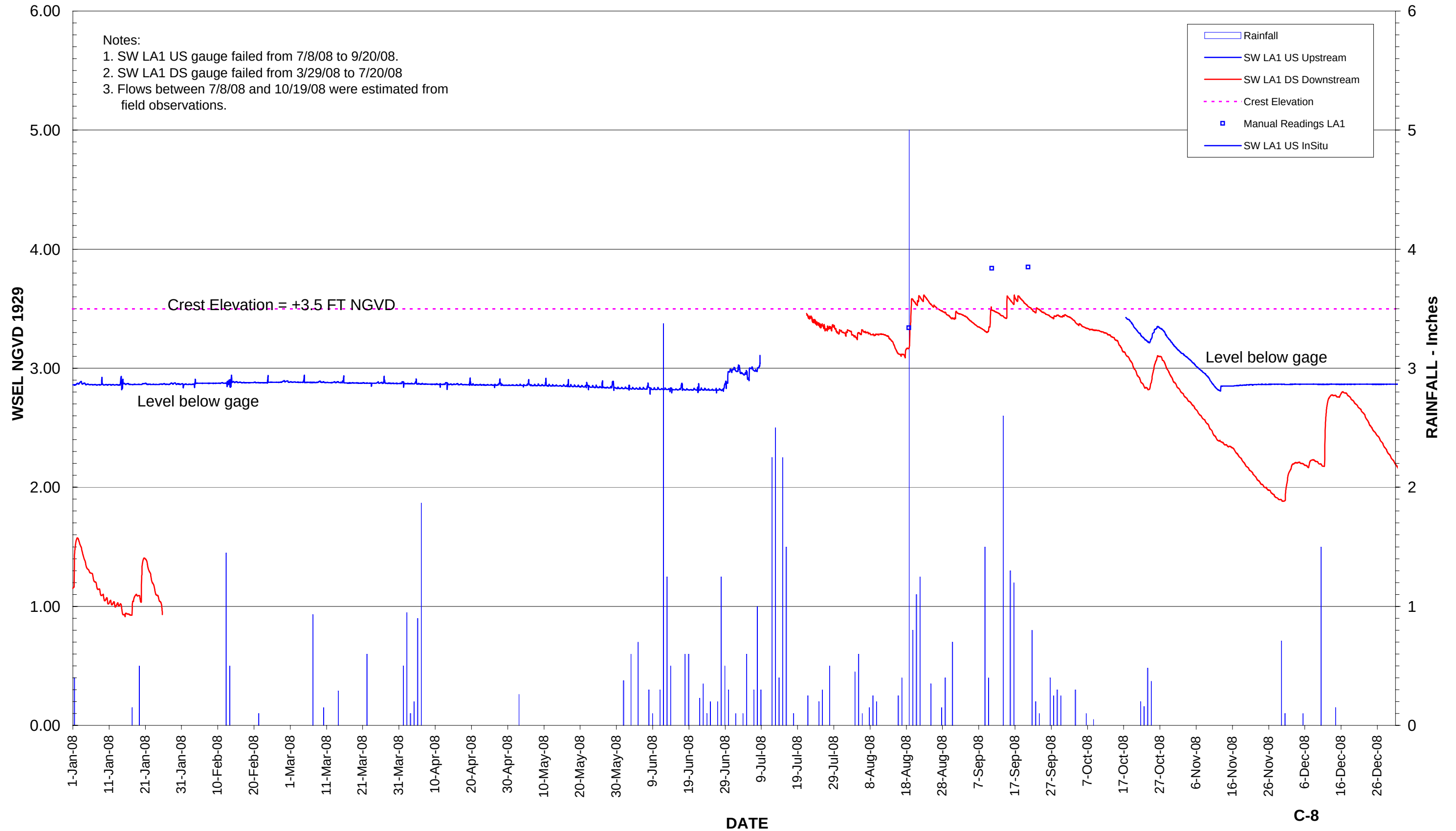


SHADOW WOOD PRESERVE 2008

SW LA1 US and SW LA1 DS DATA LOGGERS

TOTAL FLOW 1/01/08 TO 12/31/08 **2,510,732** Cu Ft

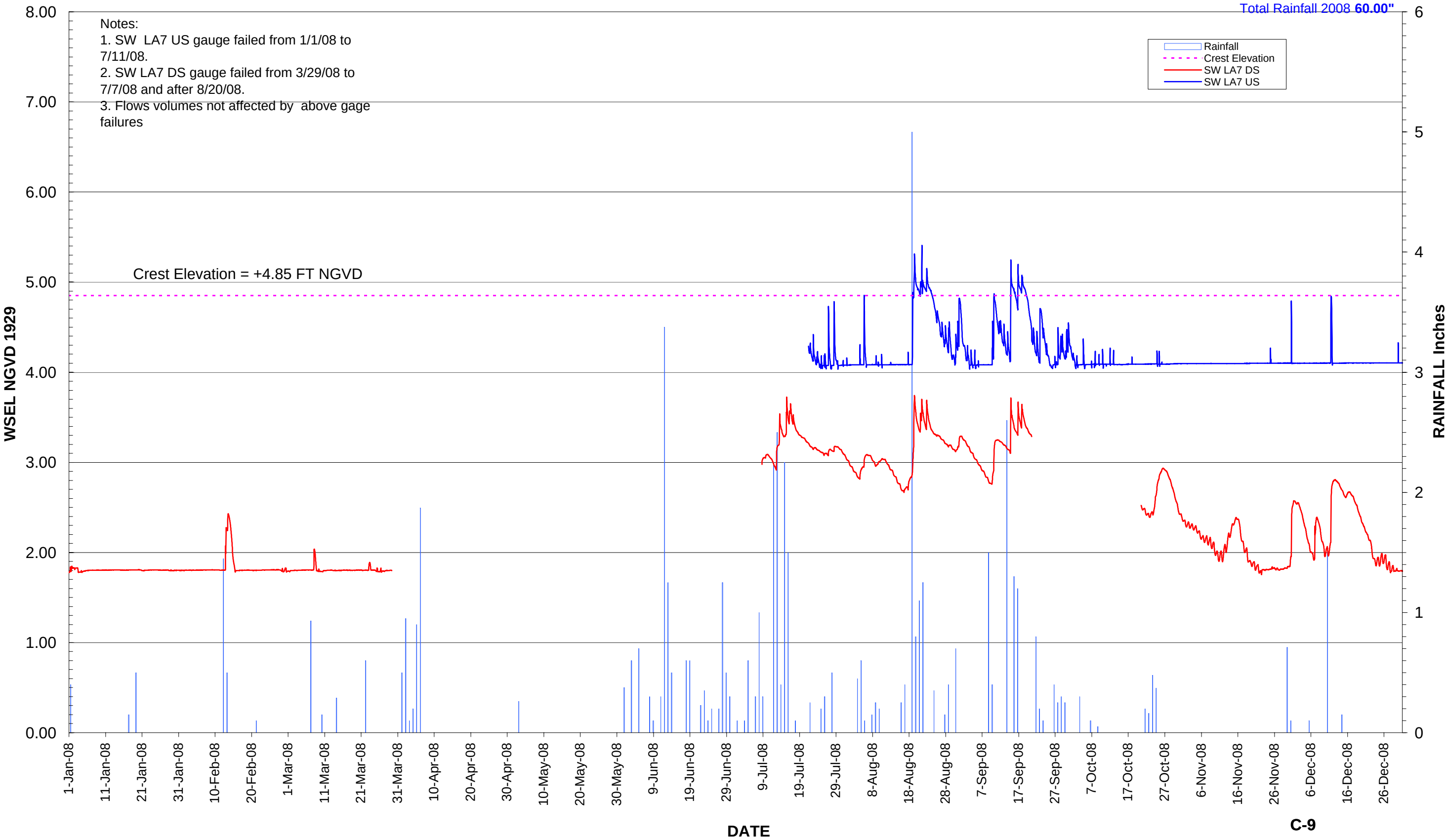
Total Rainfall 01/01/08 to 12/31/08 **60.00"**



SHADOW WOOD PRESERVE 2008
SW LA7 US and SW LA7 DS DATA LOGGERS

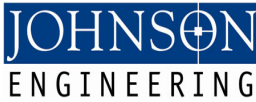


TOTAL FLOW 1/01/08 TO 12/31/08 241,692 Cu Ft



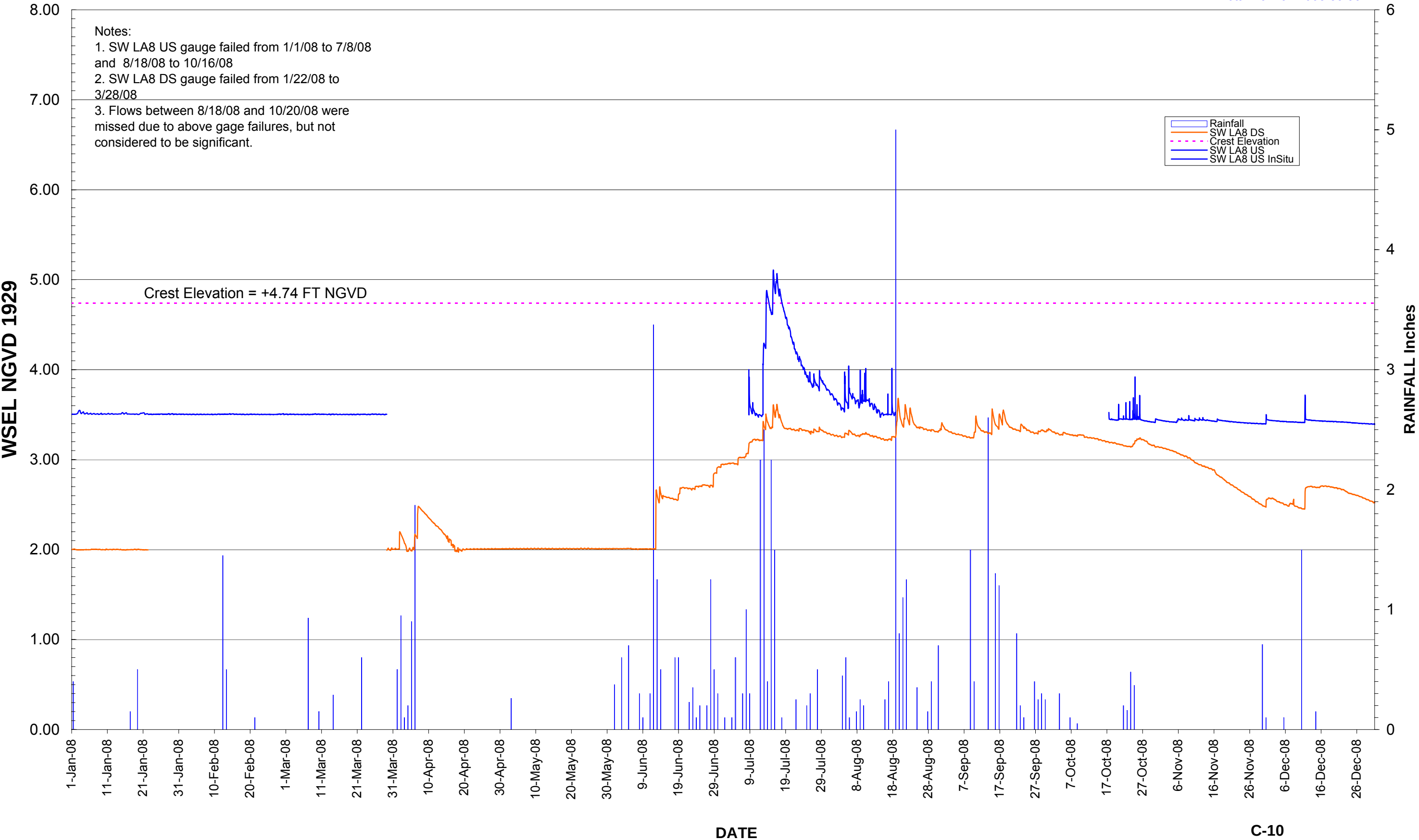
SHADOW WOOD PRESERVE 2008

SW LA8 US and SW LA8 DS DATA LOGGERS



TOTAL FLOW 1/01/08 TO 12/31/08 112,601 Cu Ft

Total Rainfall 2008 60.00 "

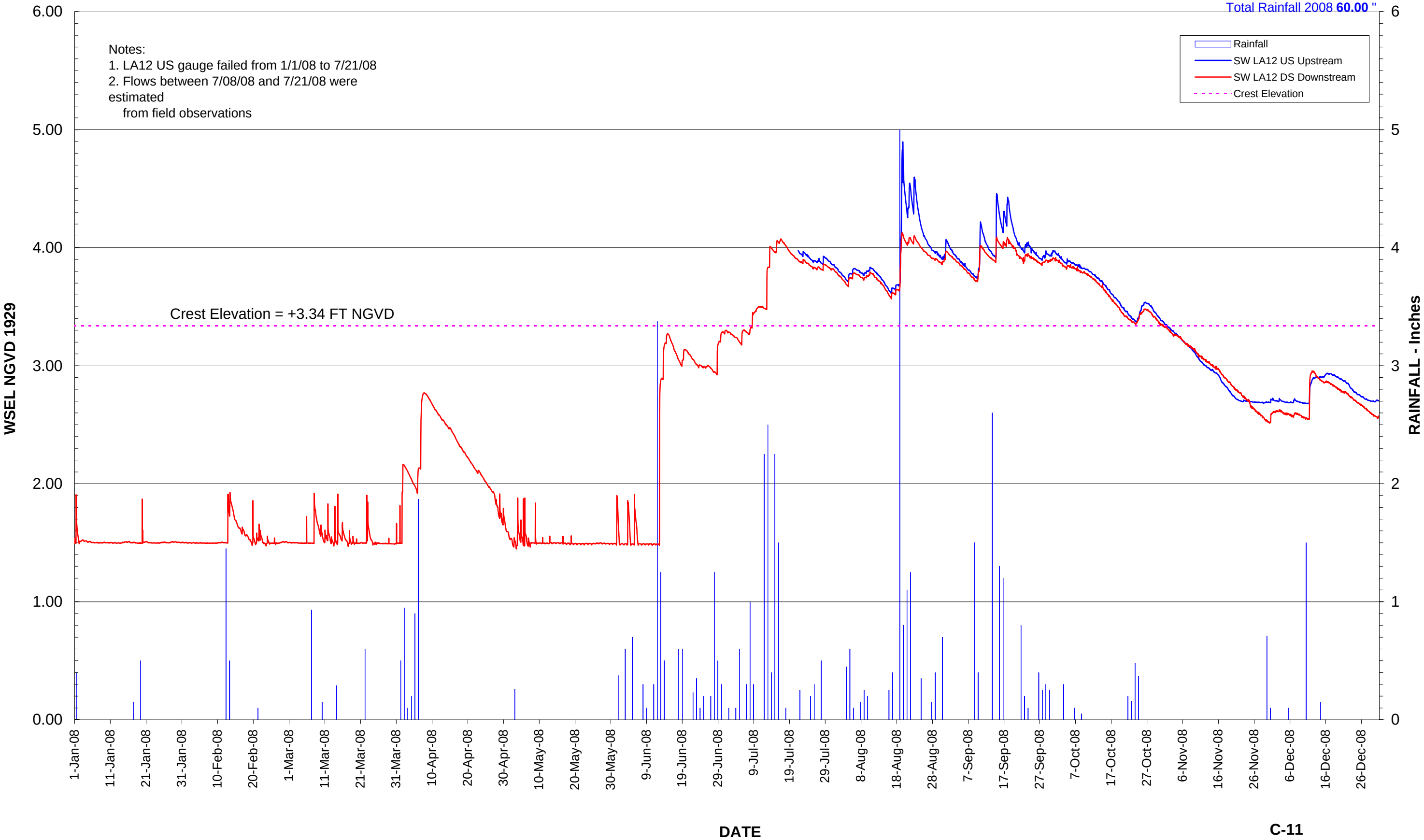


SHADOW WOOD PRESERVE 2008

SW LA12 US and SW LA12 DS DATA LOGGERS



TOTAL FLOW 1/01/08 TO 12/31/08 **4,148,120** Cu Ft



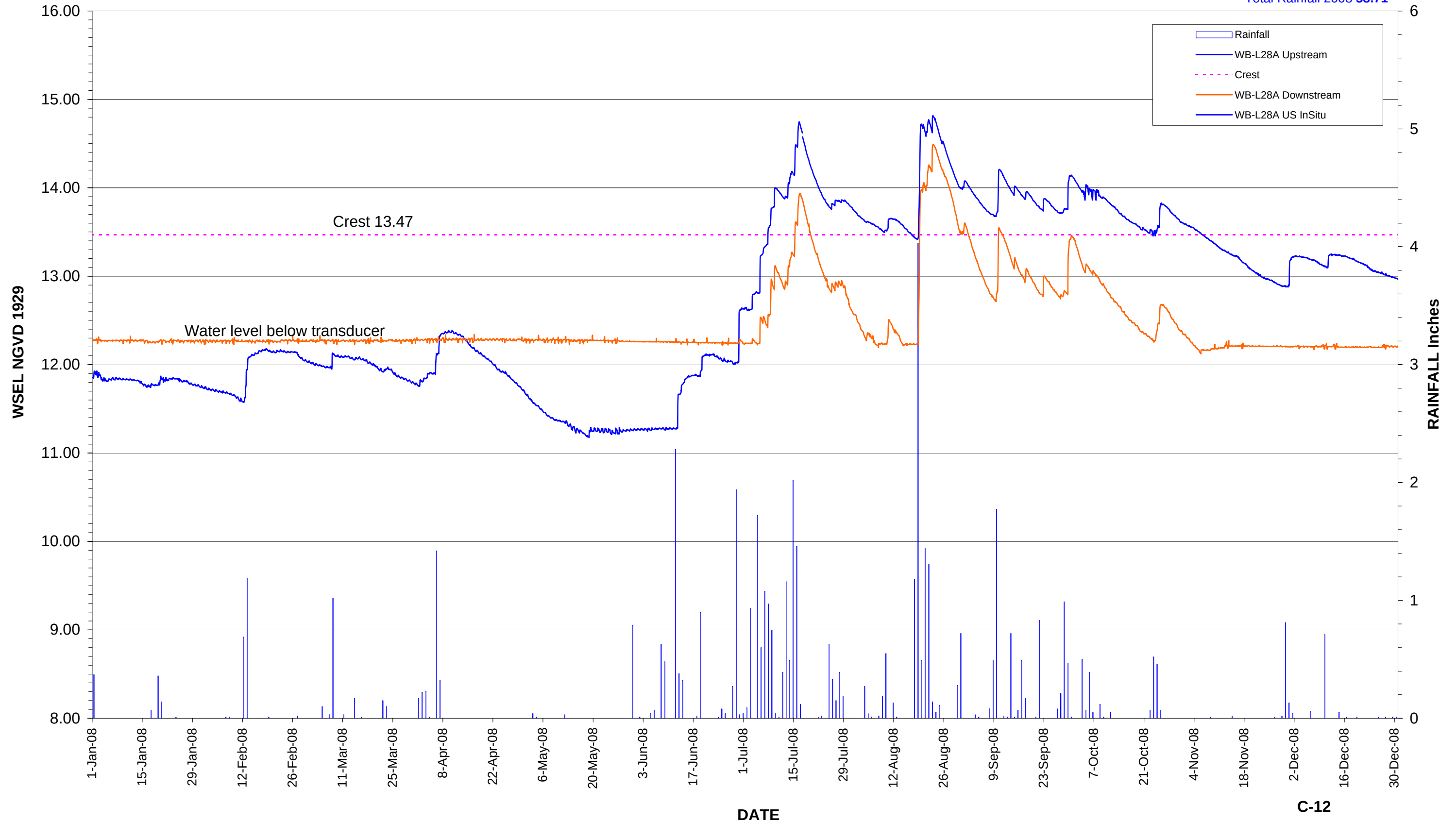
THE BROOKS 2008

WB-L28A US and WB-L28A DS DATA LOGGERS



TOTAL FLOW 1/01/08 TO 12/31/08 **98,135,769** Cu Ft

Total Rainfall 2008 **58.71 "**



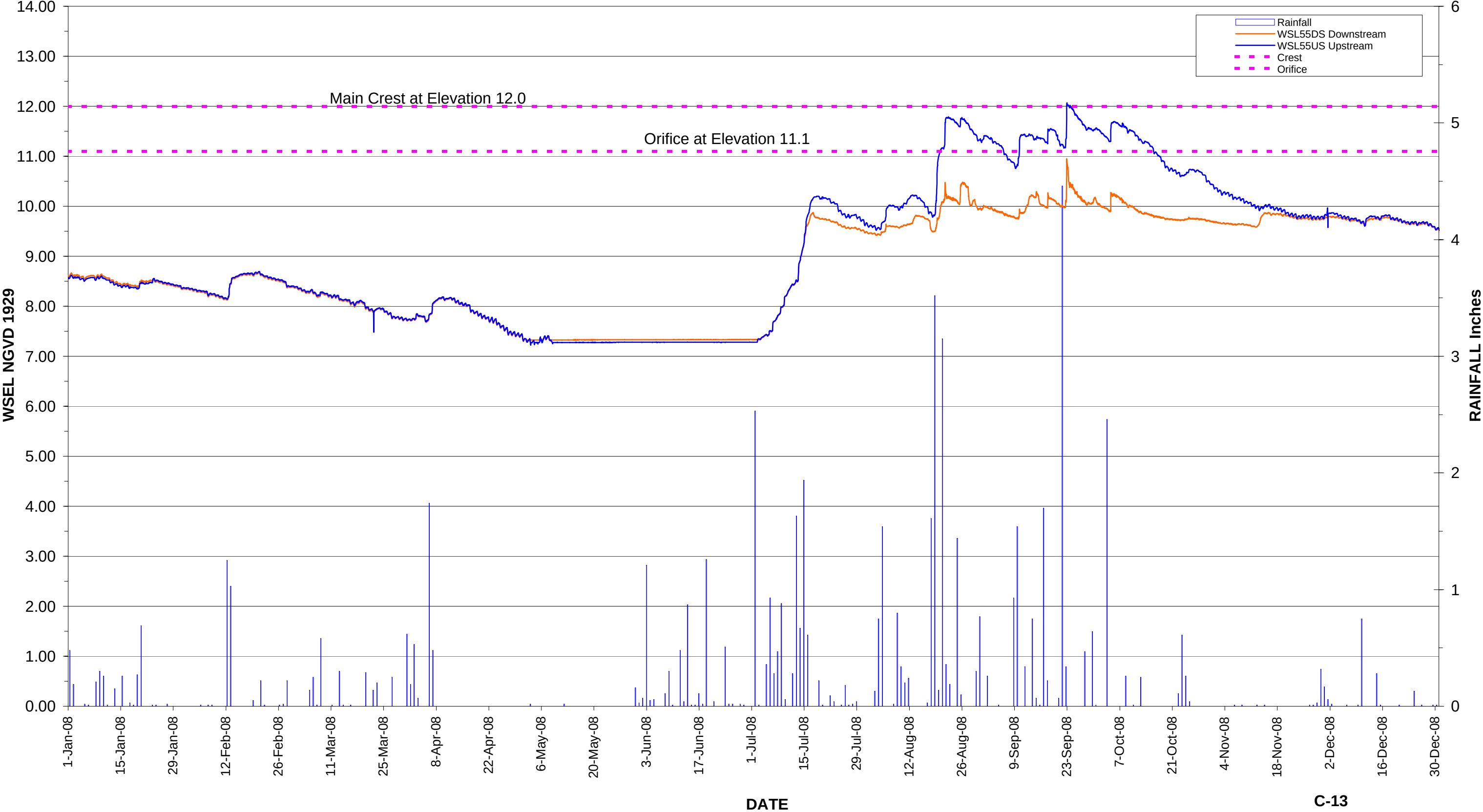
MEDITERRA OUTFALL 2008

WML55DS and WML55US DATA LOGGERS



Total Cumulative Flow Cubic Feet 2008 - 11,075,767 Cubic Feet

Total Rainfall 01/01/08 to 12/31/08 61.65"



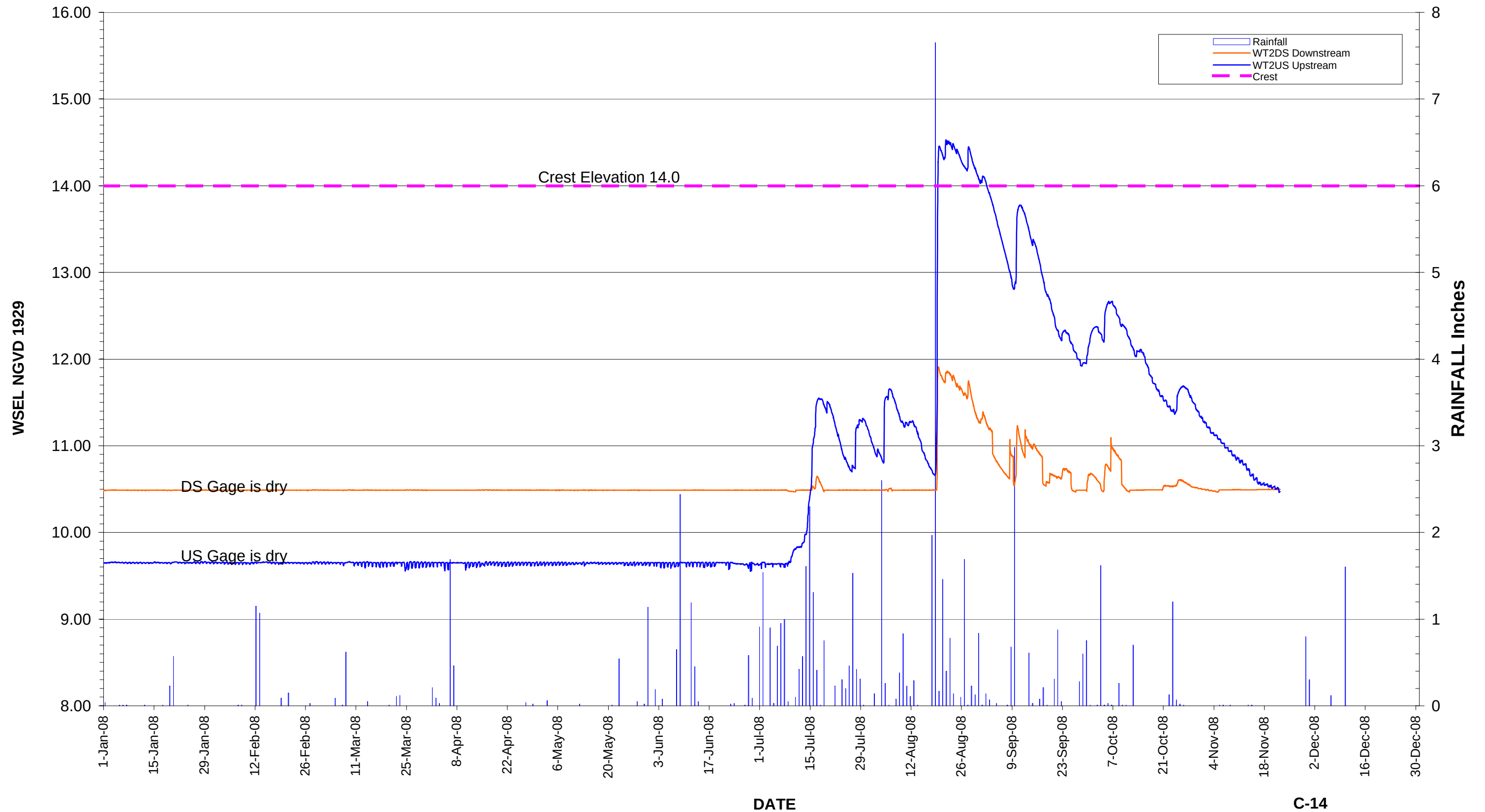
TWIN EAGLES OUTFALL 2008

WT2DS and WT2US DATA LOGGERS

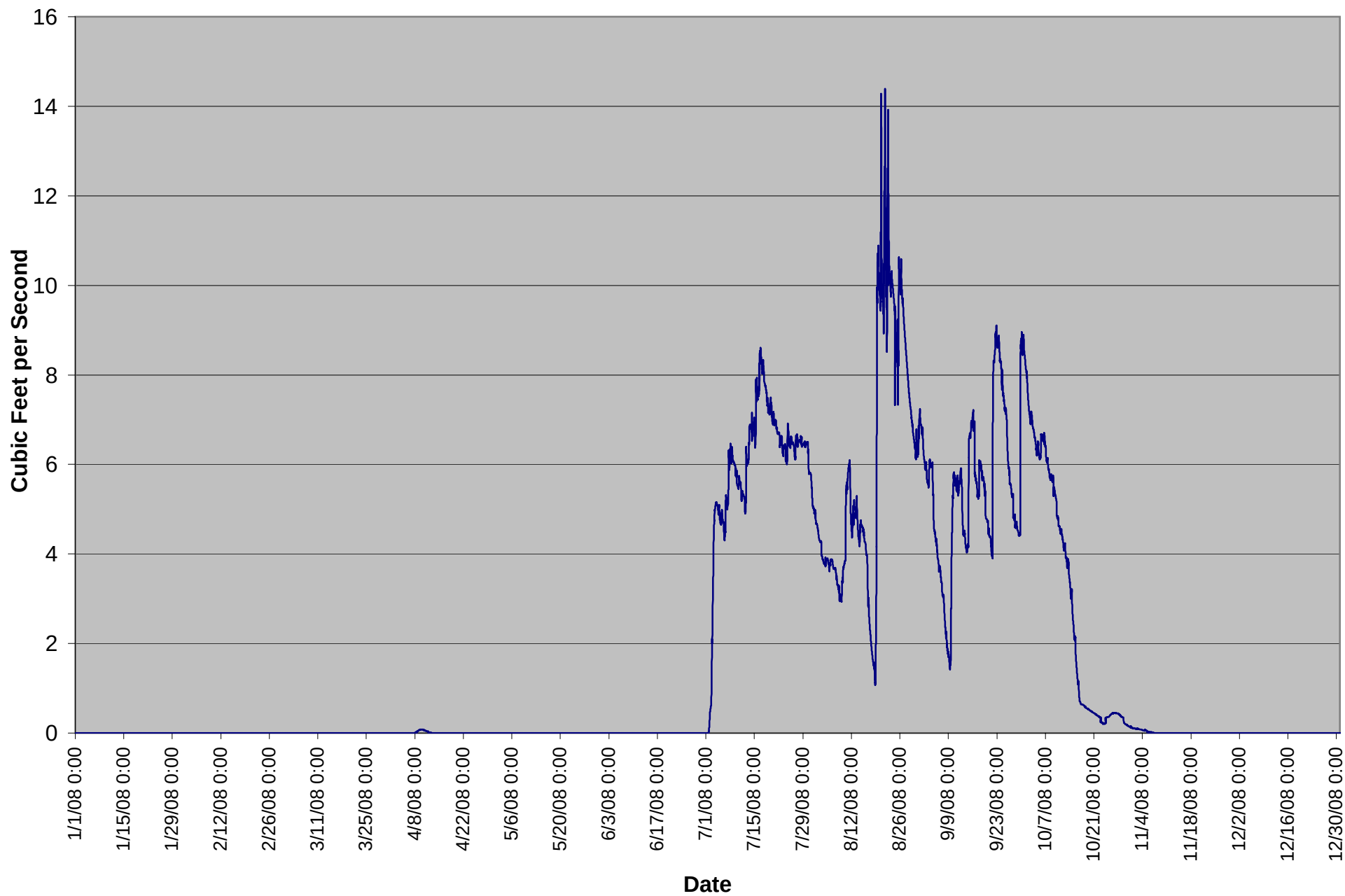


TOTAL FLOW 1/01/08 TO 12/31/08 **3,193,741** Cu Ft

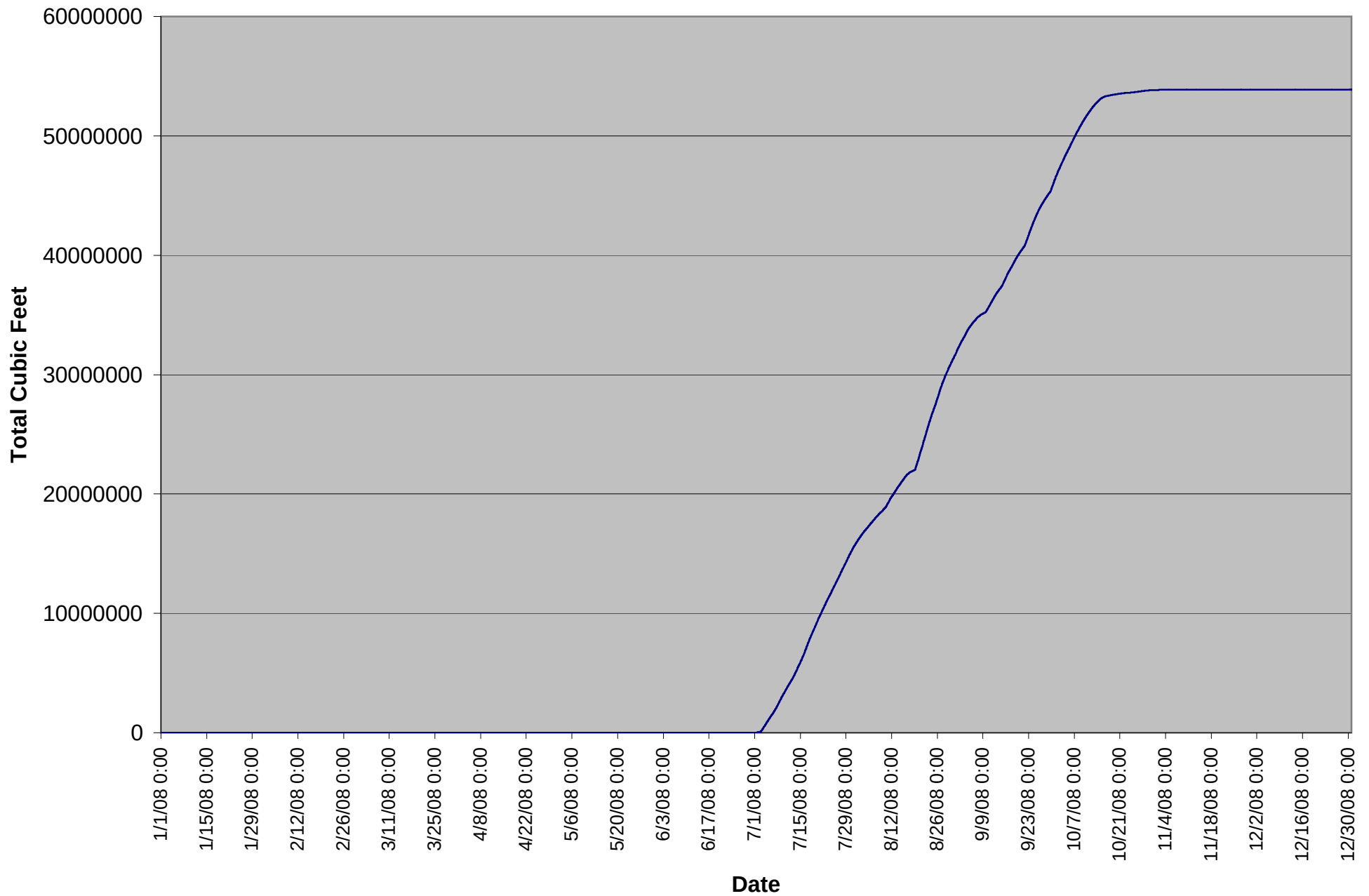
Total Rainfall 2008 66.8"



Flow Rate Verandah L4 Structure 2008



Cumulative Flow Verandah L4 Structure 2008



Flow Rate Chart Verandah Structure L12

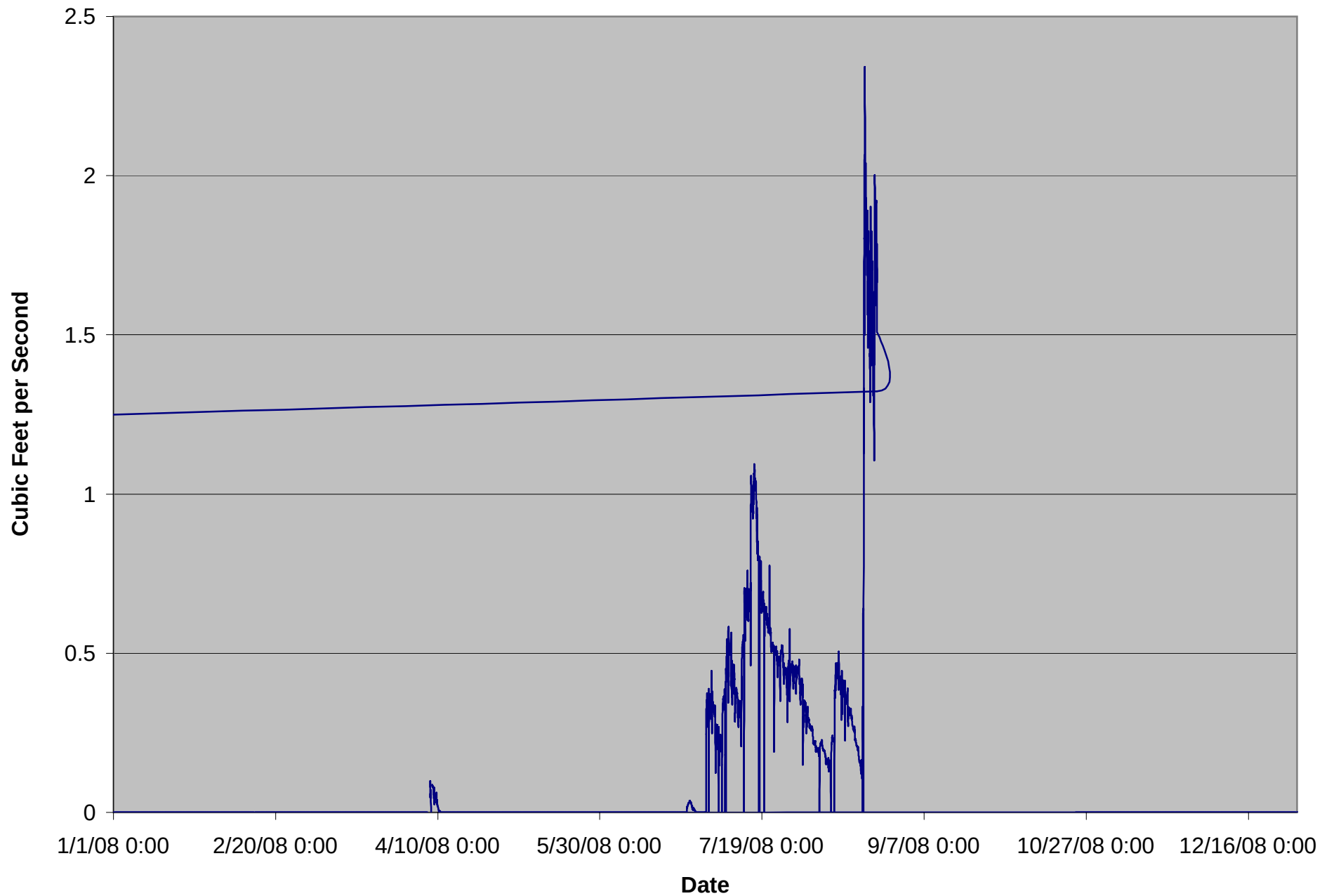
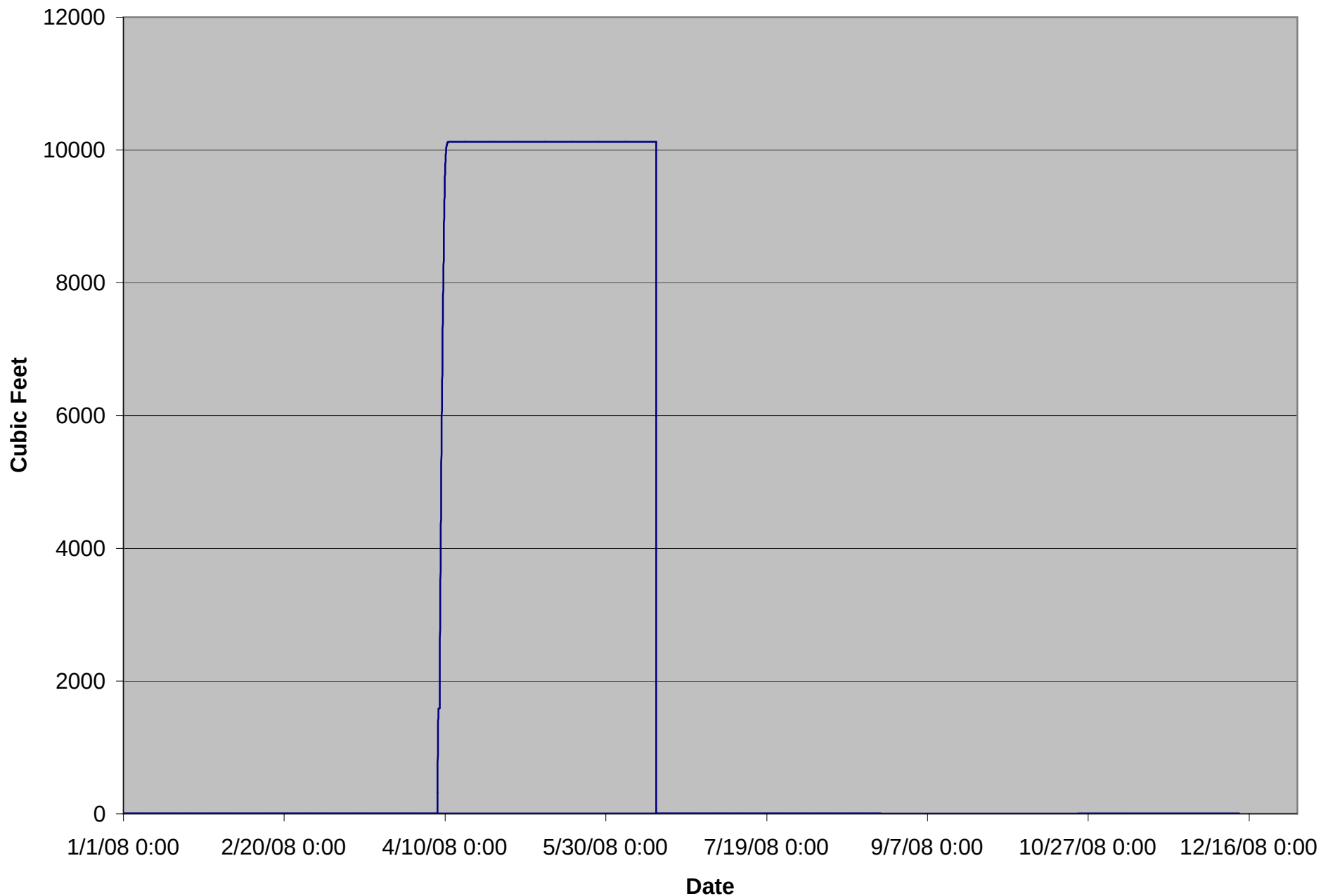
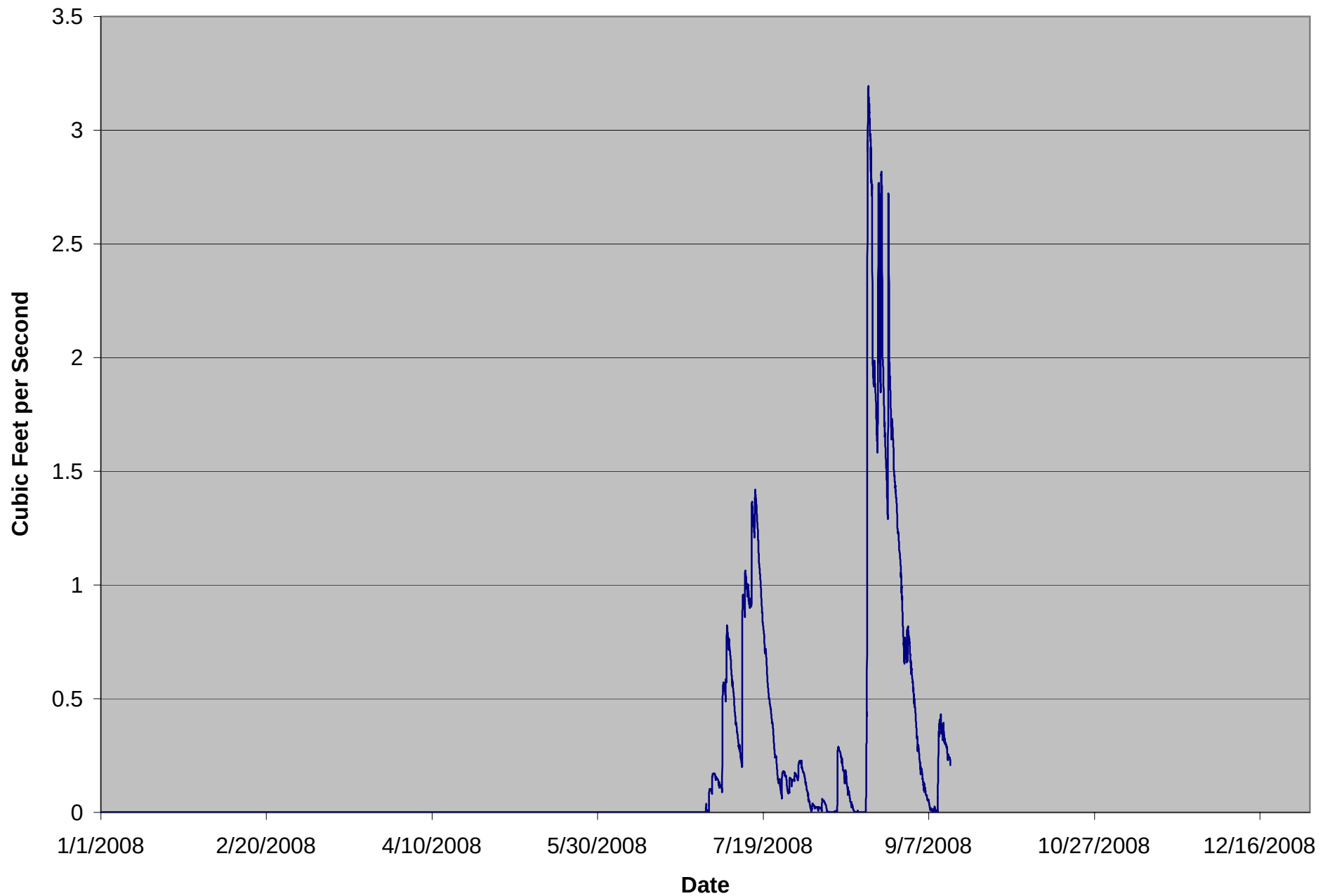


Chart values not valid due to occasional reverse flow conditions preventing proper calculation of accumulated flows.

Cumulative Flow Chart Verandah Structure L12

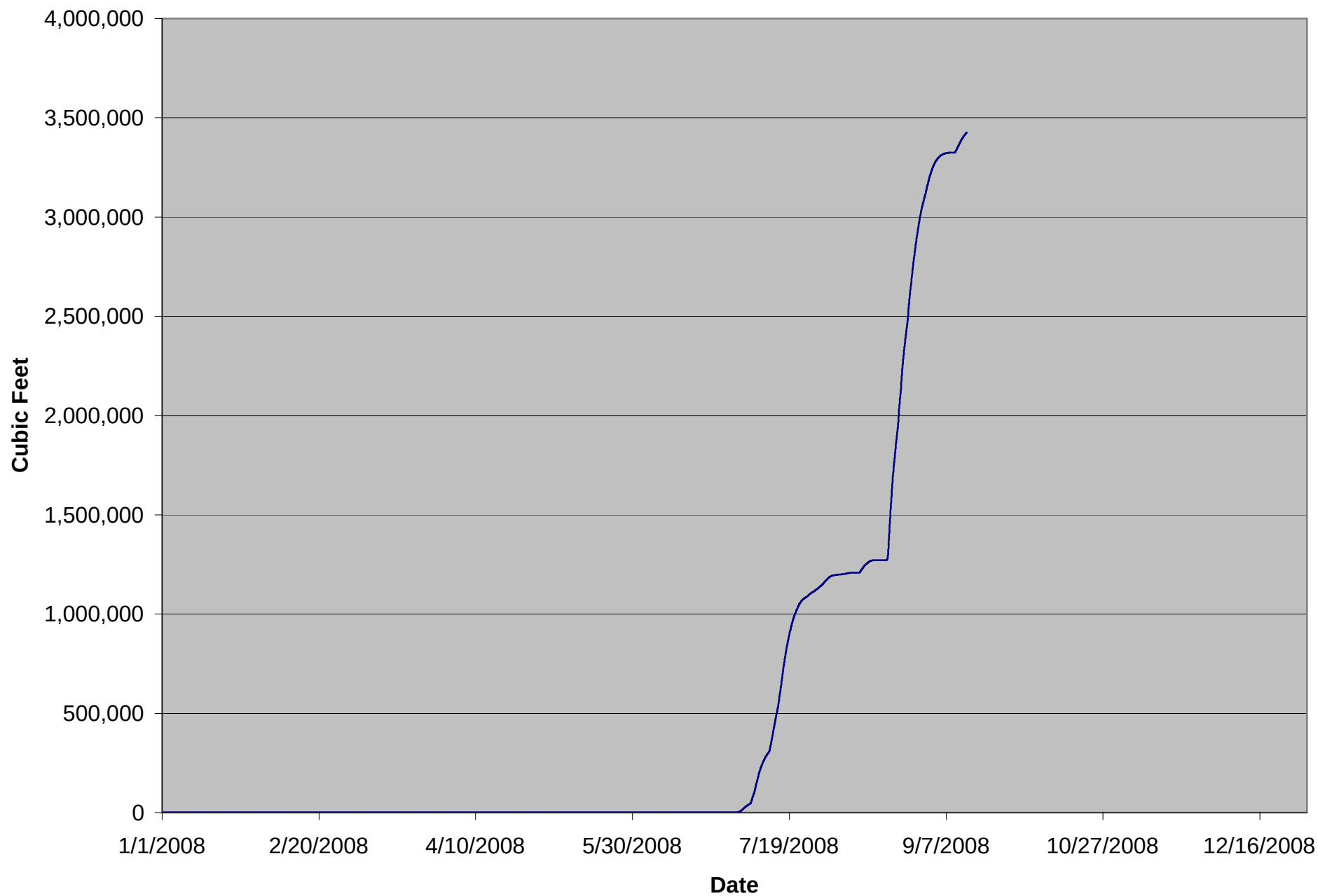


Flow Rate Chart Verandah Structure L18

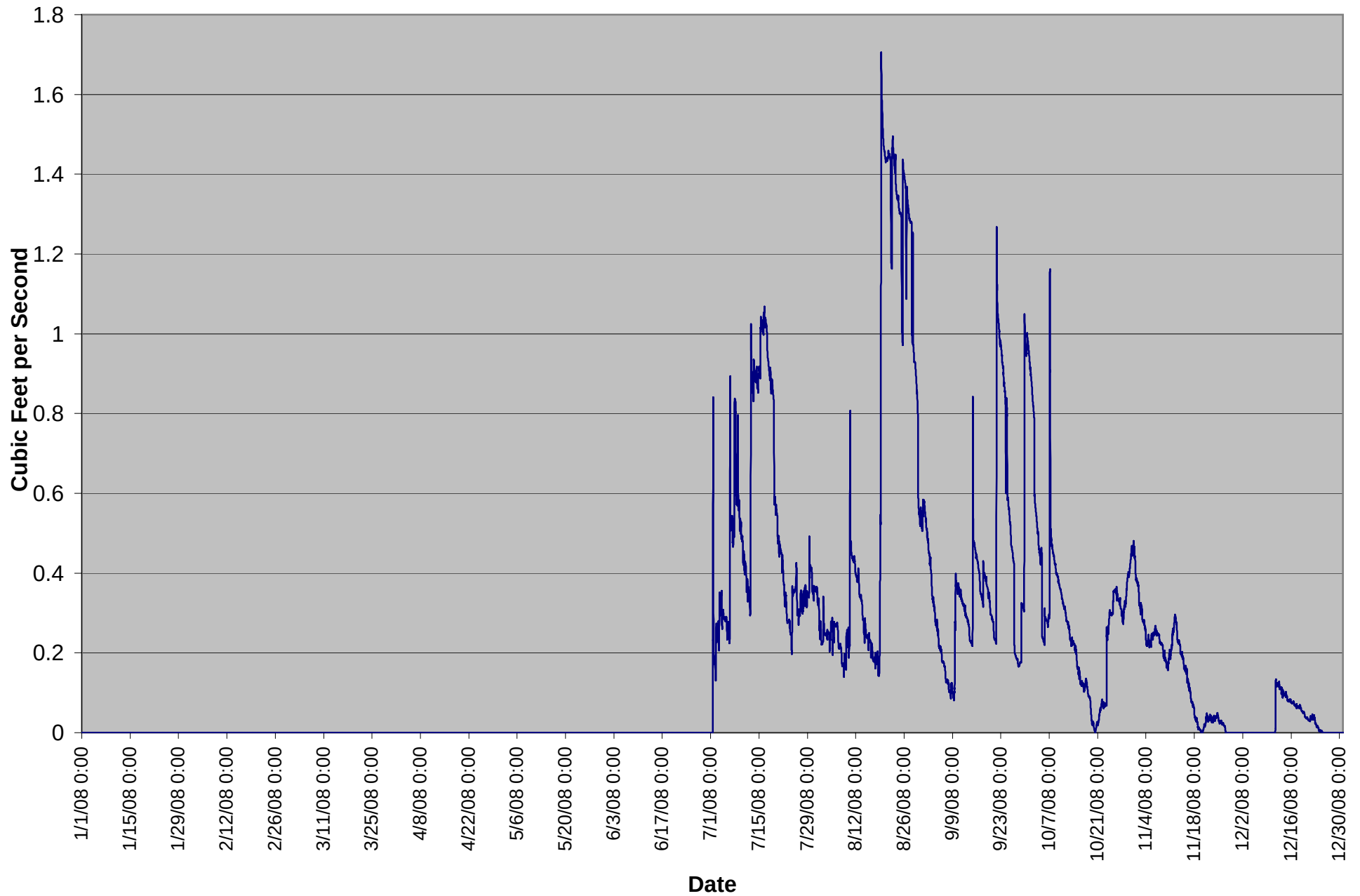


Gage fails 9/13/08. Some flows not
calculated after that date.

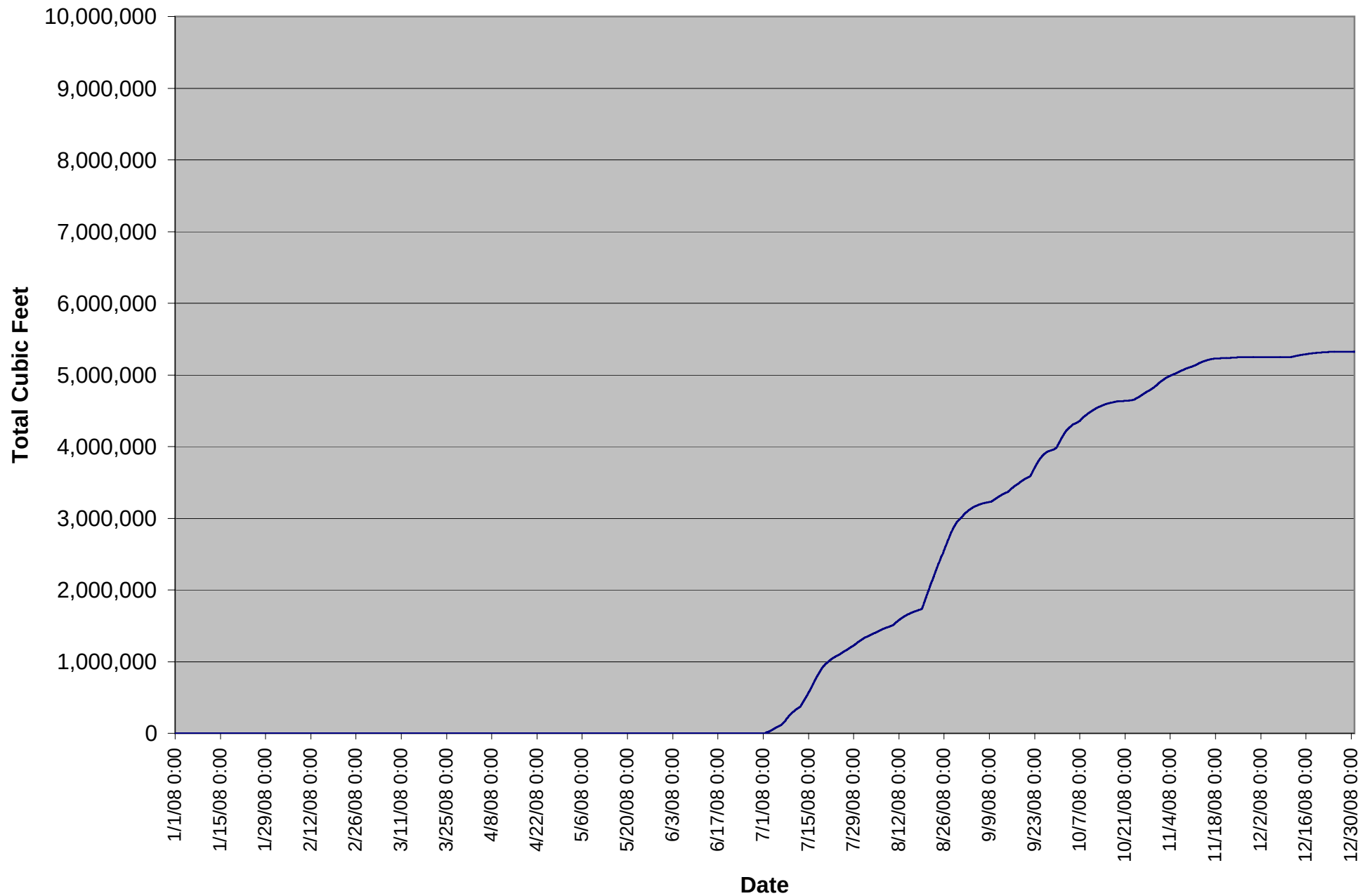
Cumulative Flow Chart Verandah Structure L18



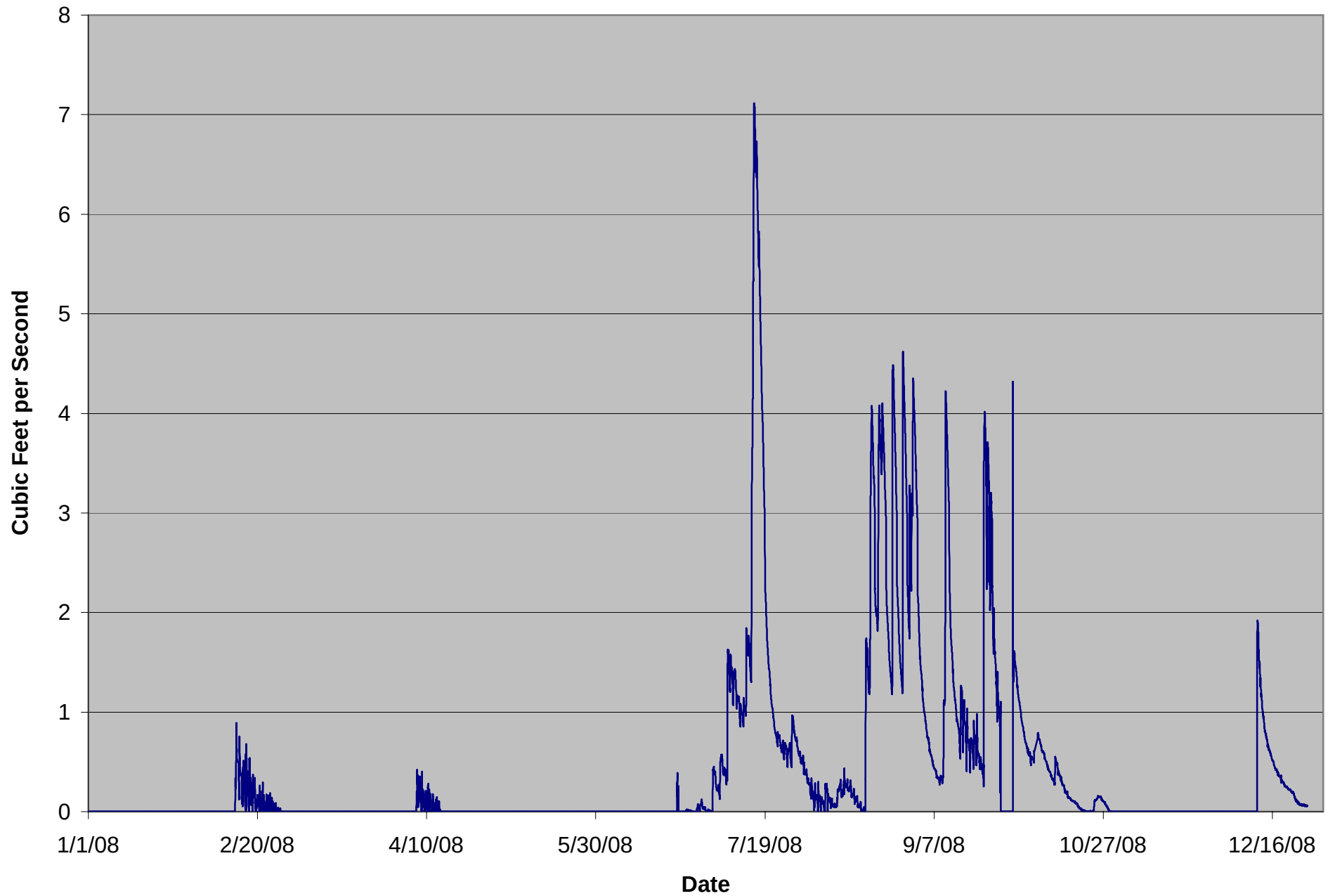
Flow Rate Verandah L29 Structure 2008



Cumulative Flow Verandah L29 Structure 2008



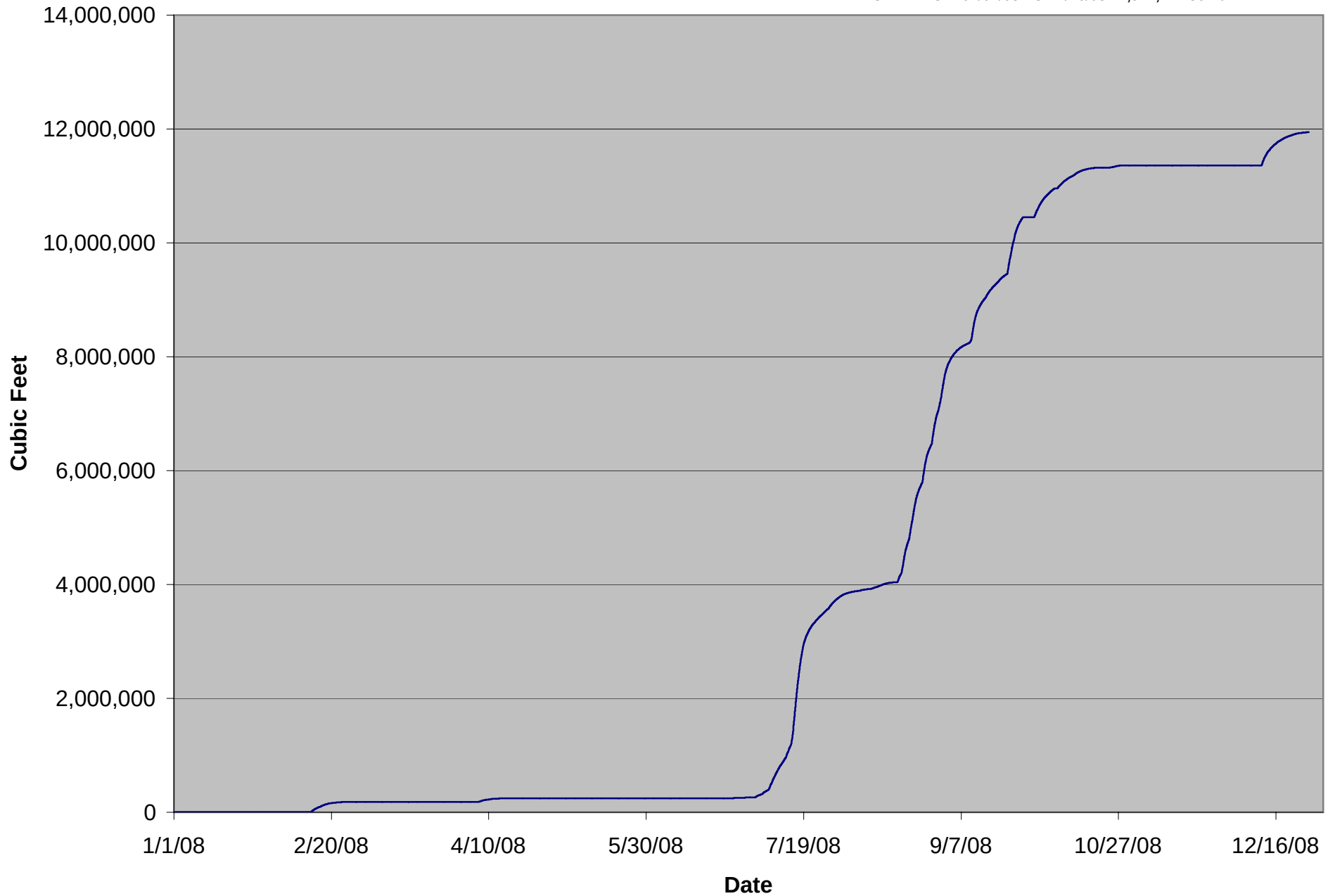
Flow Rate Chart 2008 Sandoval Structure S1



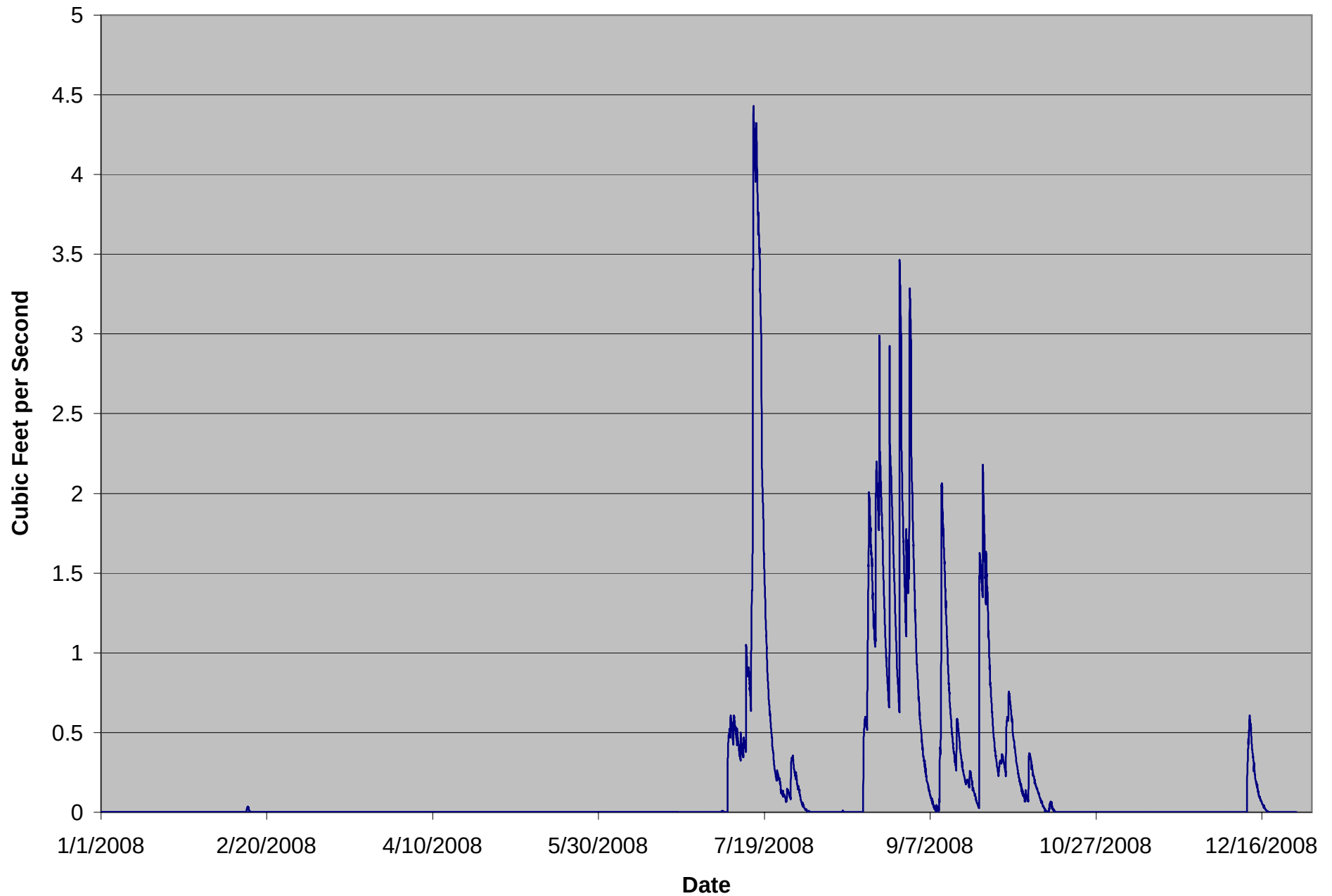
Cumulative Flow Chart 2008

Sandoval Structure S1

TOTAL FLOW 01/01/08 TO 12/26/08 **11,944,712** Cu Ft

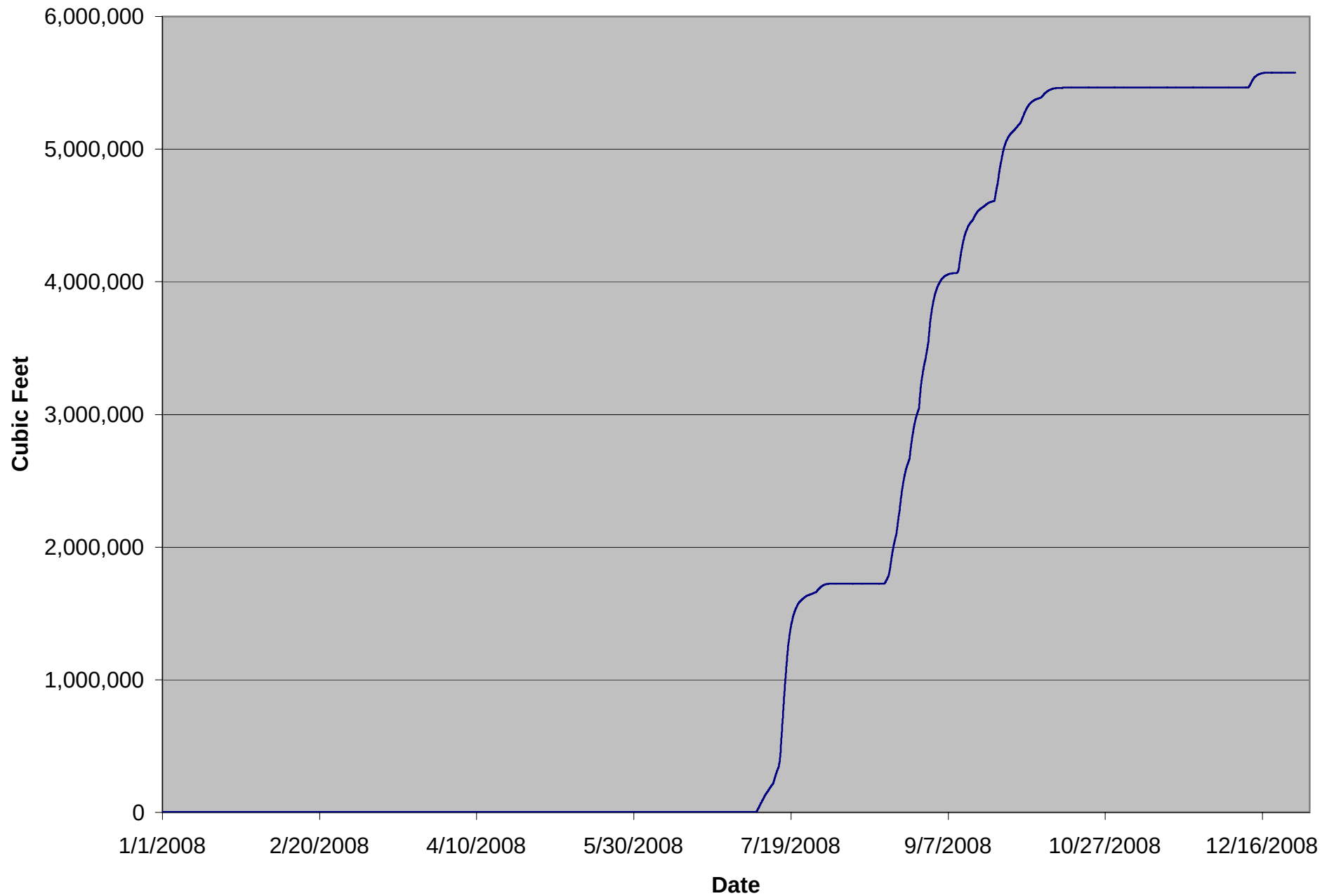


Flow Rate Chart 2008 Sandoval Structure S2

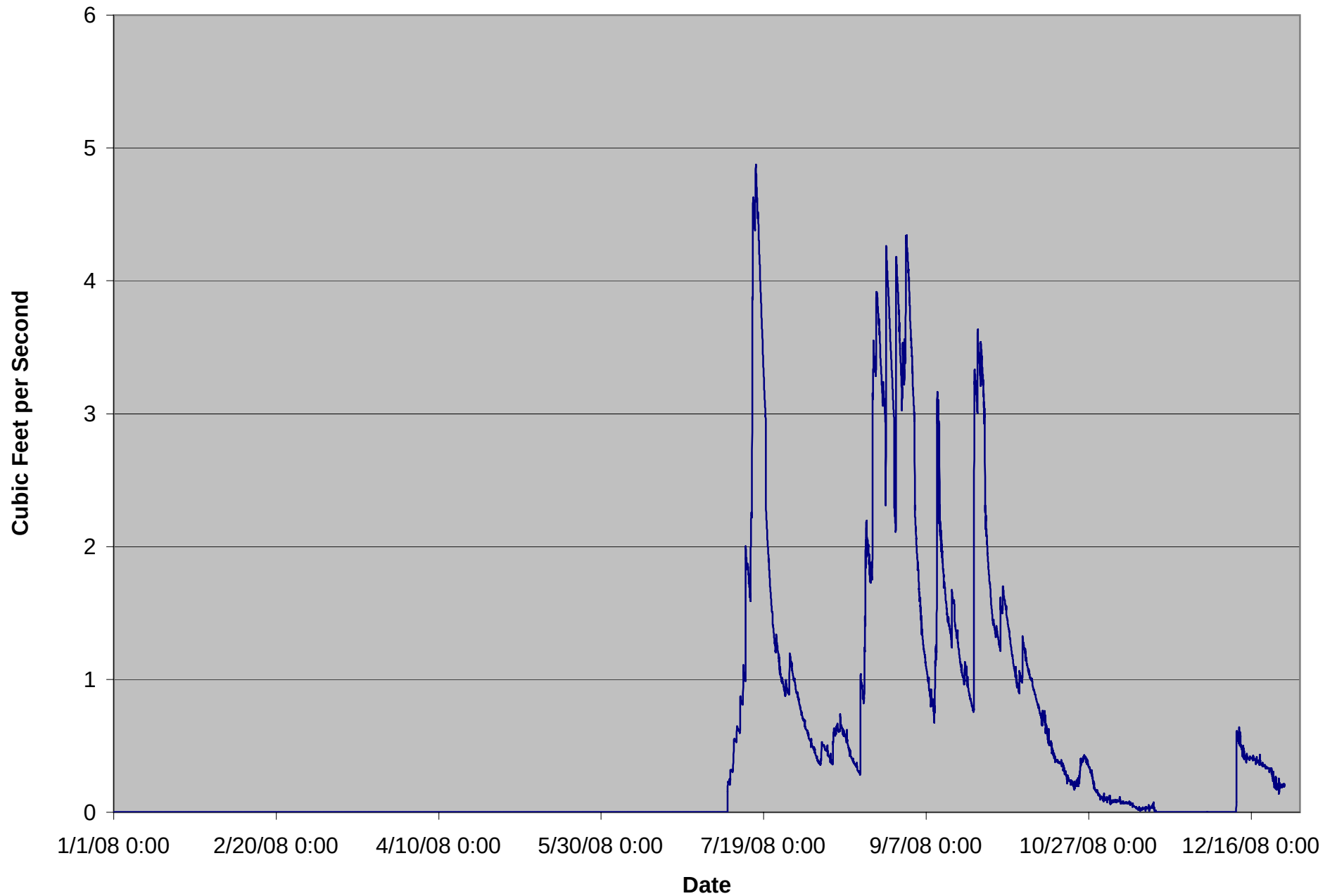


Cumulative Flow Chart 2008 Sandoval Structure S2

TOTAL FLOW 01/01/08 TO 12/26/08 **5,576,793** Cu Ft



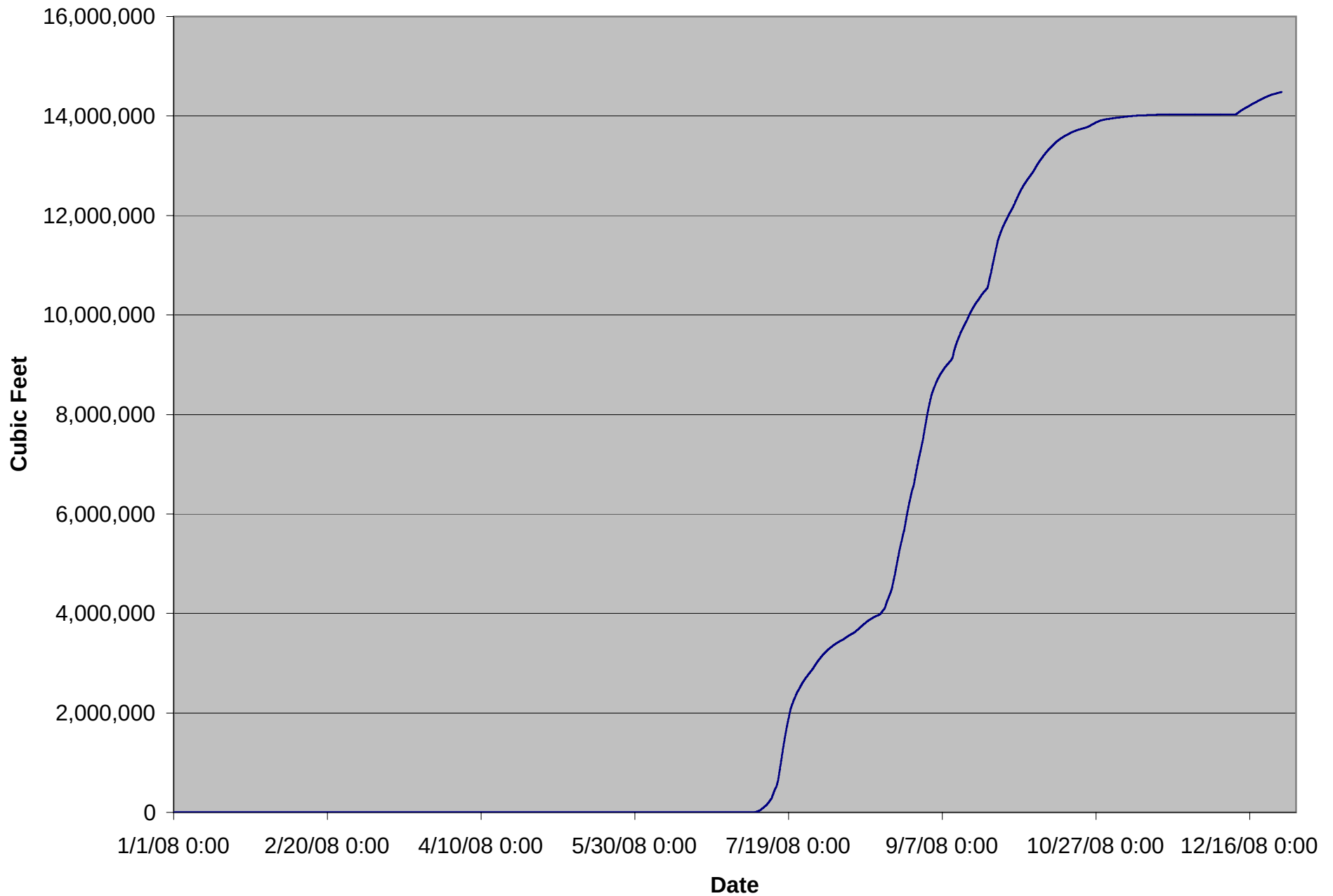
Flow Rate Chart 2008 Sandoval Structure S3



Cumulative Flow Chart 2008

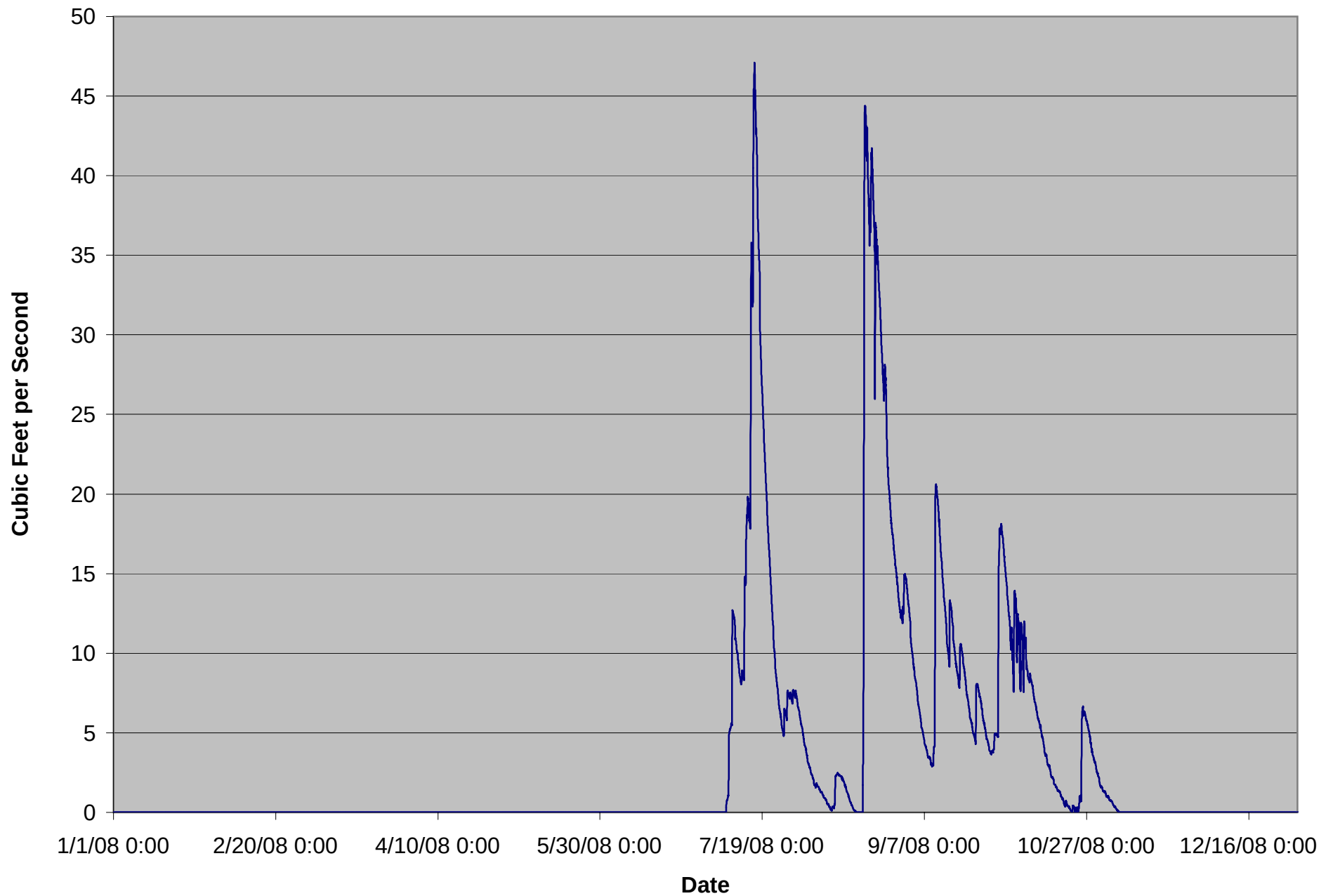
Sandoval Structure S3

TOTAL FLOW 01/01/08 TO 12/26/08 **14,484,642** Cu Ft

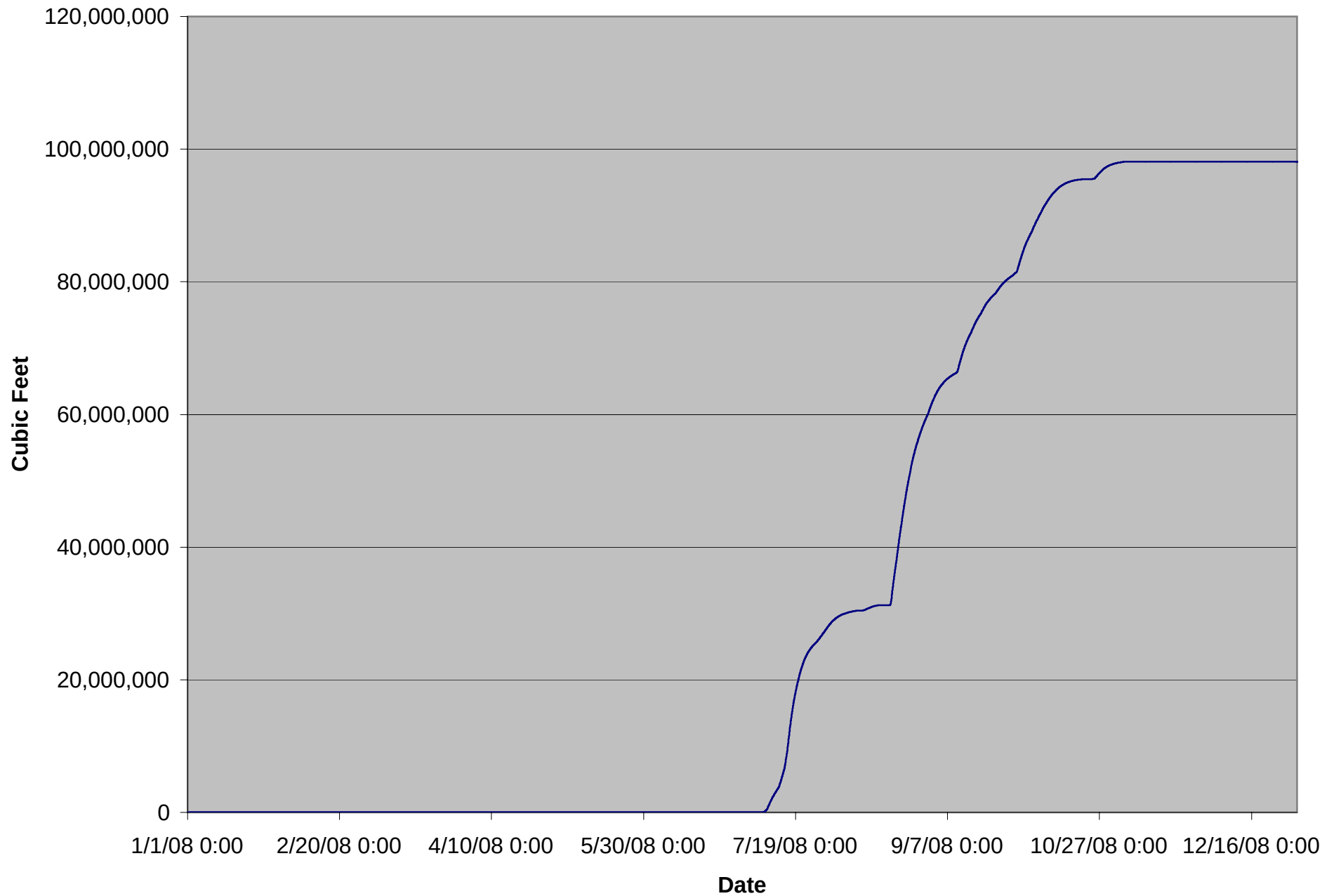


Flow Rate Chart

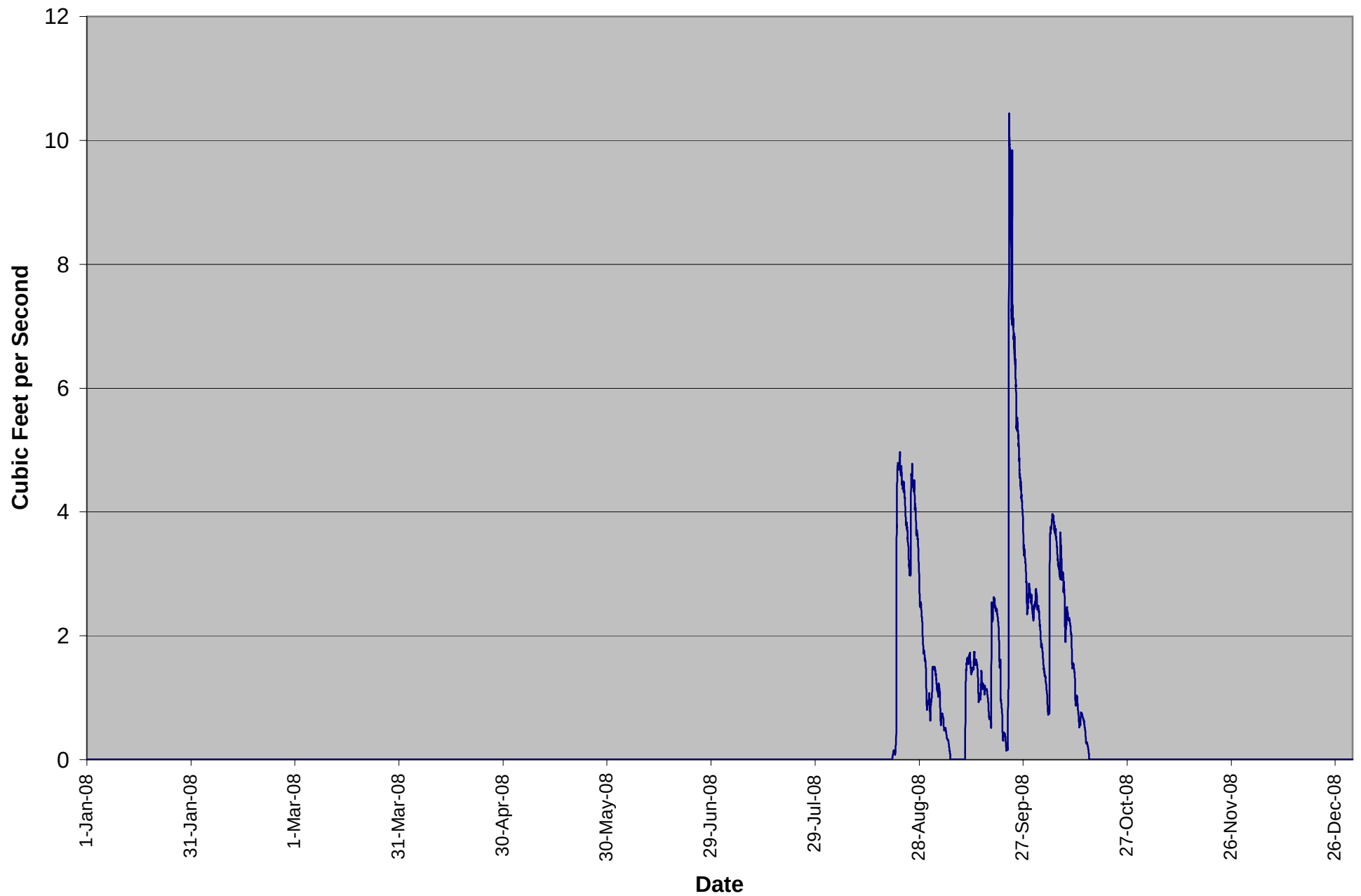
Brooks South Outfall Structure WB-L28



Cumulative Flow Chart Brooks South Outfall Structure WB-L28

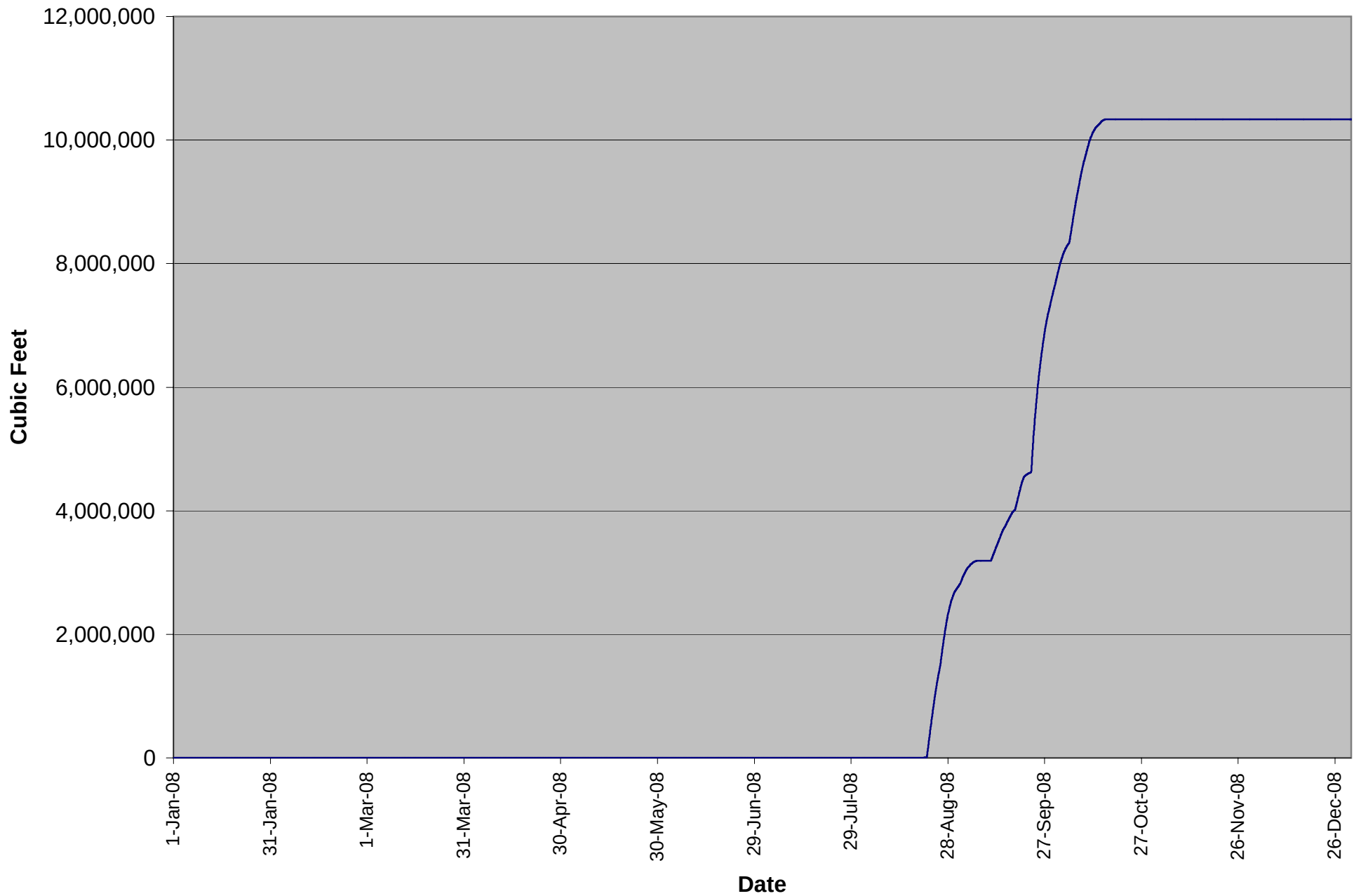


Flow Rate Chart 2008 Mediterra Structure L55

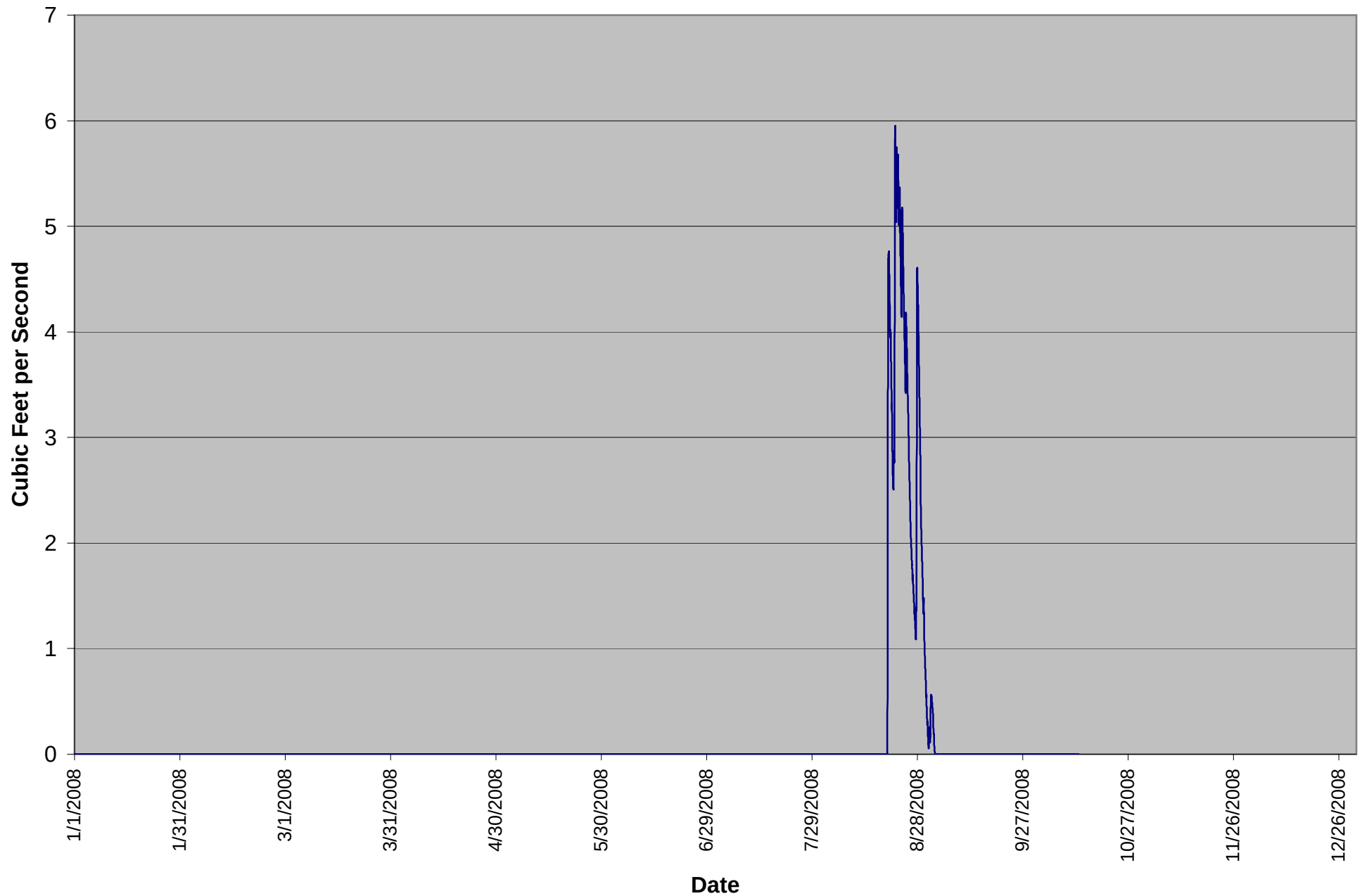


Cumulative Flow Chart 2008

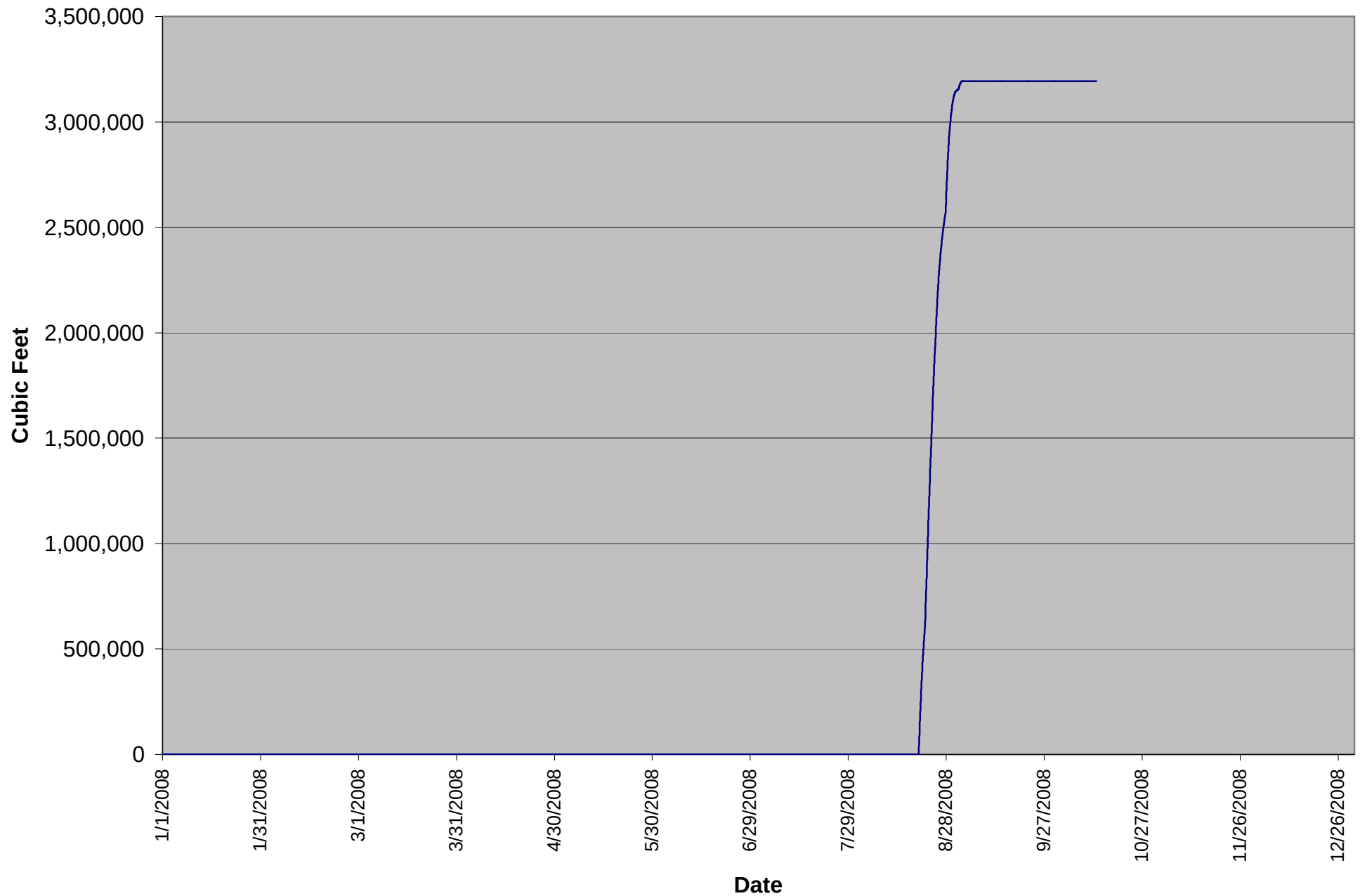
Mediterra Structure L55



Flow Rate Chart Twin Eagles Structure WT-2



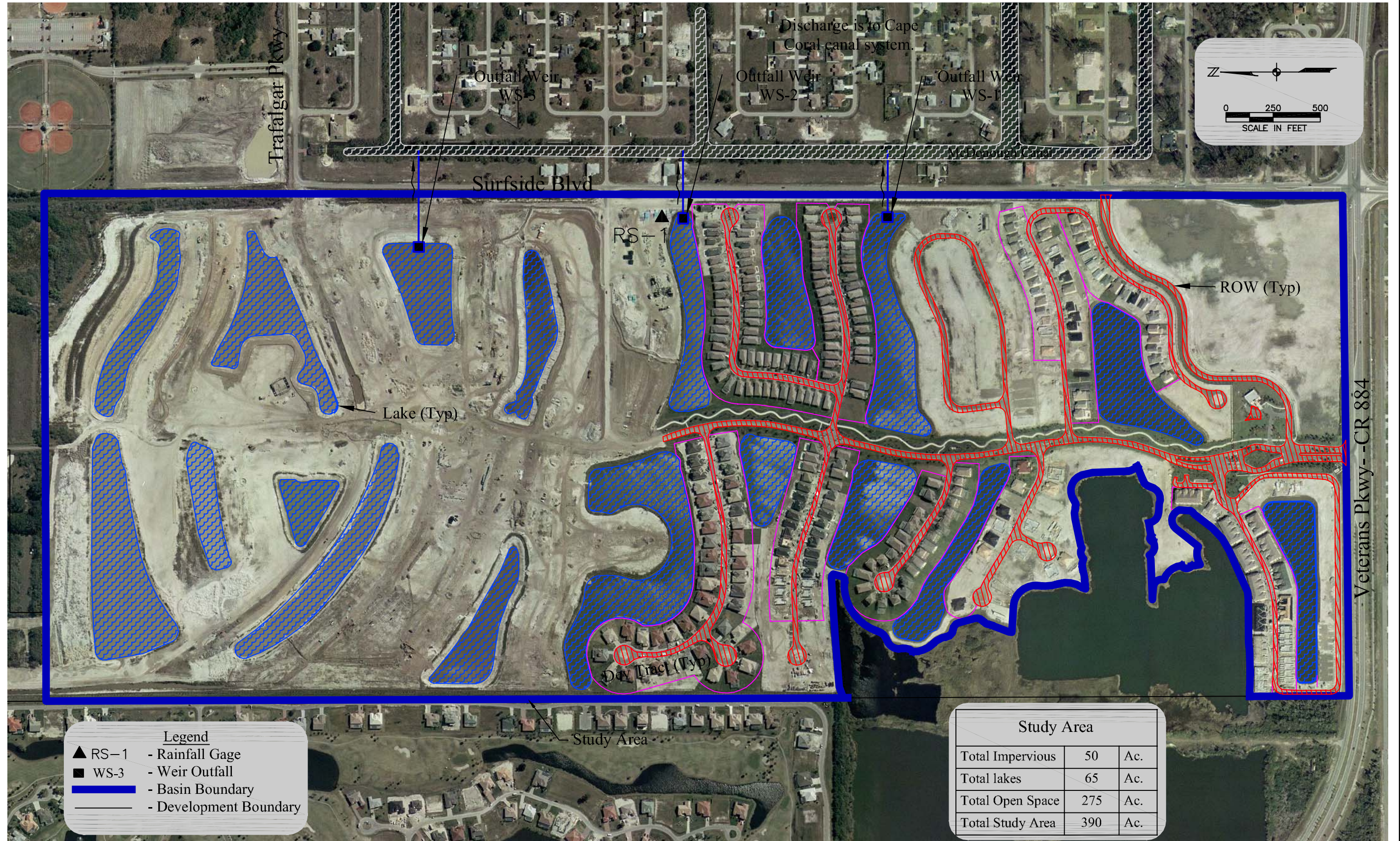
Cumulative Flow Chart Twin Eagles Structure WT-2



APPENDIX D

Sandoval Aerials – Developed Areas

J:\2006052\Drawing\2008 Report Drawings\Watershed Study.dwg (11x17 2006 Aerial) ml2 Apr 19, 2009 - 9:49am



Data shown from DigiAerial dated Feb., 2006

Bonita Bay Group
Lee County, Florida

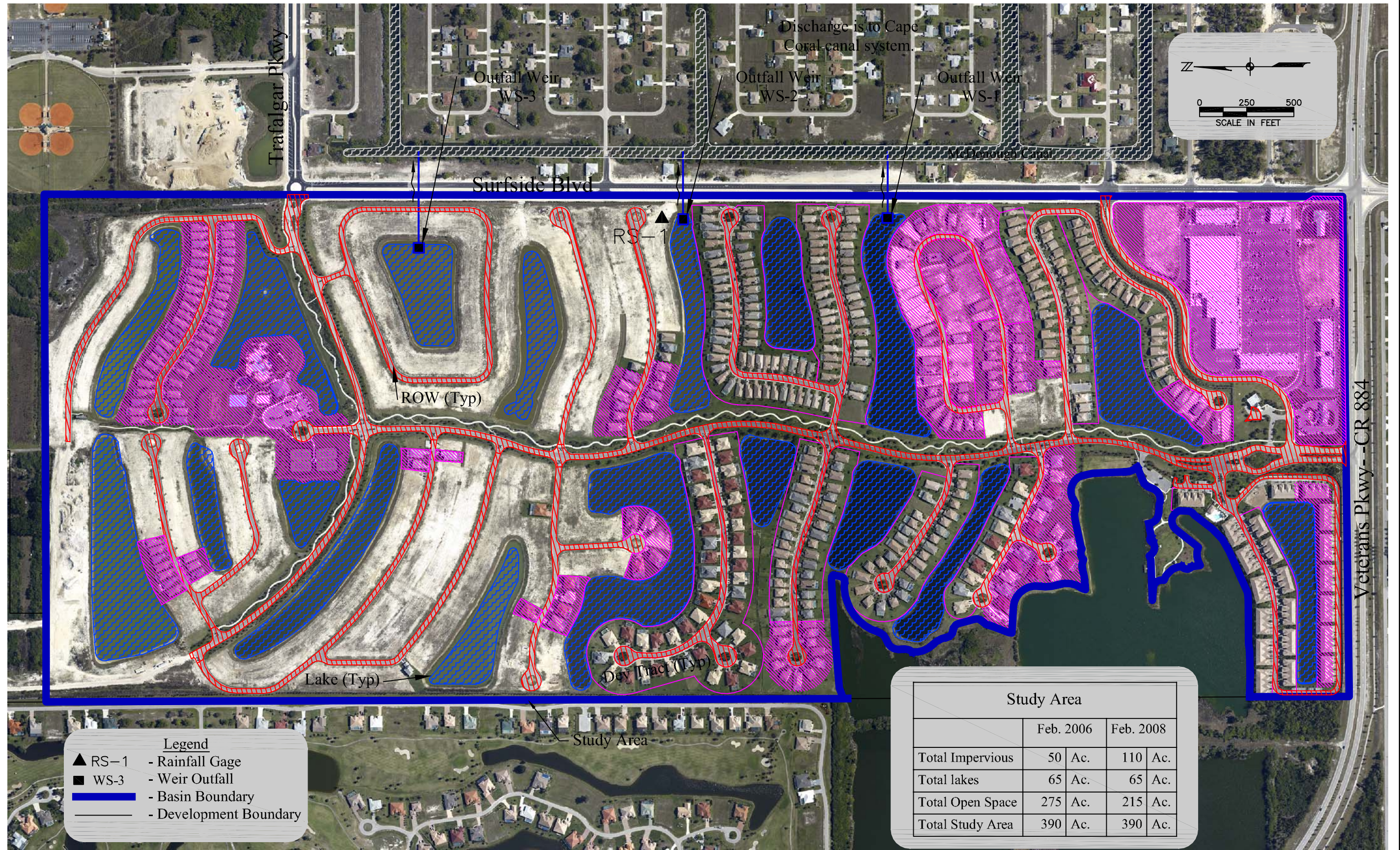
JOHNSON
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FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

2. SANDOVAL - Feb. 2006
Watershed Study Area

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
12/06/06	20066052	00-00-00	As Shown	D-1

J:\2006052\Drawing\2008 Report Drawings\Watershed Study.dwg (11x17 2008 Aerial) mll2 Apr 19, 2009 - 9:47am



Data shown from Mr. SID Aerial dated Jan., 2008

New construction areas created between Feb. 2007 and Feb. 2008

Bonita Bay Group
Lee County, Florida

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FAX (239) 334-3661
E.B. #642 & L.B. #642

2. SANDOVAL - Feb. 2008
Watershed Study Area

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
12/06/06	20066052	00-00-00	As Shown	D-2

APPENDIX E

Photographs – Project Sites

1. VERANDAH



Water Control Structure WV-L4 – View east.



Water Control Structure WV-L29. Photos taken April 12, 2007.

1. VERANDAH



Water Control Structure WV-L4 – View northwest. Photo taken July 11, 2008
Slow velocity, under submerged condition was measured by movement of dye.



Discharge from L-12 structure. Photo taken July 17, 2008.

2. SANDOVAL



Water Control Structure WS-2.

View south with inlet on left and upstream recorder at right in lake. Photos taken April 19, 2007.



View south at structure WS-3 and recorders.

2. SANDOVAL



Water Control Structure WS-1. Photo taken September 13, 2008.
View inside inlet at flow over control weir.



View north at WS-1 – September 13, 2008.
Water quality monitoring. Solar panel at right.

3. SHADOW WOOD PRESERVE



View Water Control Structure SW-LA12.
Structure is located at arrow in wooden retaining wall.



View Water Control Structure SW-LA8. Upstream stage recorder is at left of inlet face.
Photos taken May 1, 2007.

3. SHADOW WOOD PRESERVE



Water Control Structure SW-LA8 – unsubmerged flow. Photo taken July 17, 2008



View vertically down at flow over Water Control Structure SW-LA12. Photo taken July 17, 2008. See previous page E-3A (top) for horizontal photo of structure.

4. THE BROOKS



View northeast across weir and downstream stage recorder.
Photo taken March 23, 2008



View south at weir with stage recorder (white pipe).
Photo taken March 23, 2008

4. THE BROOKS



View northeast across L-28 weir. Photo taken July 17, 2008. Refer to graph page C-12 to see stage of approximate elevation 14.8' that corresponds to this photo.



View north across L-28 weir and downstream recorder gage. Photo taken July 17, 2008.

5. MEDITERRA



View west at headwall on outfall culvert located at south end of project and just upstream of outfall weir (see below).



Outfall weir (beneath grate). Downloading data from stage recorders inside inlet.

5. MEDITERRA



Mediterra outfall to south. Note flow ripples in swale downstream of submerged notched structure. Photo taken July 21, 2008.

6. TWIN EAGLES



View east at lake, weir at arrow and rain gage located near southeast corner of Twin Eagles.
Photo taken March 23, 2008.



View southeast at outfall weir structure. Photo taken March 23, 2008.

6. TWIN EAGLES



Photo shows first documented flow since January 2007 at WT-2 outfall following heavy rainfall from Tropical Storm Fay. Photo taken August 20, 2008.



High water mark on weir wall. Photo taken August 20, 2008.

APPENDIX F

Water Quality Data

FDEP Long Term Discharge Study -20066052
Water Quality Sample Events

note: rainfall amounts shown are
for the most recent daily totals

Verandah

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	7/9/2007	WV-L4US	Grab	0.24
2	7/11/2008	WV-L4US	Grab	0.2
3	7/24/2008	QVL-29	24 Hr Composite	0.5
4	8/26/2008	QVL-29	24 Hr Composite	1
5	9/11/2008	QVL-29	24 Hr Composite	1.45
6	10/6/2008	QVL-29	6 Hr Composite/Rain	0.8

Sandoval

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	7/19/2007	WS-3	Grab	1.3
2	7/2/2008	WS-1	Grab	0.11
3	7/18/2008	WS-1	24 Hr Composite	0.19
4	8/21/2008	WS-1	24 Hr Composite	0.85
5	9/11/2008	WS-1	24 Hr Composite	0.97
6	10/6/2008	WS-1	6 Hr Composite/Rain	0.39

Shadow Wood Preserve

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	7/14/2008	LA-1	Grab	0.4
2	7/24/2008	LA-1	24 Hr Composite	0.25
3	8/28/2008	LA-1	24 Hr Composite	0.15
4	9/11/2008	LA-1	24 Hr Composite	0.4
5	10/9/2008	LA-1	24 Hr Composite	0.1

The Brooks

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	7/9/2008	QB-1	Grab	0.75
2	7/22/2008	QB-1	24 Hr Composite	0.12
3	8/21/2008	QB-1	24 Hr Composite	1.44
4	9/11/2008	QB-1	24 Hr Composite	1.77
5	10/7/2008	QB-1	6 Hr Composite/Rain	0.39

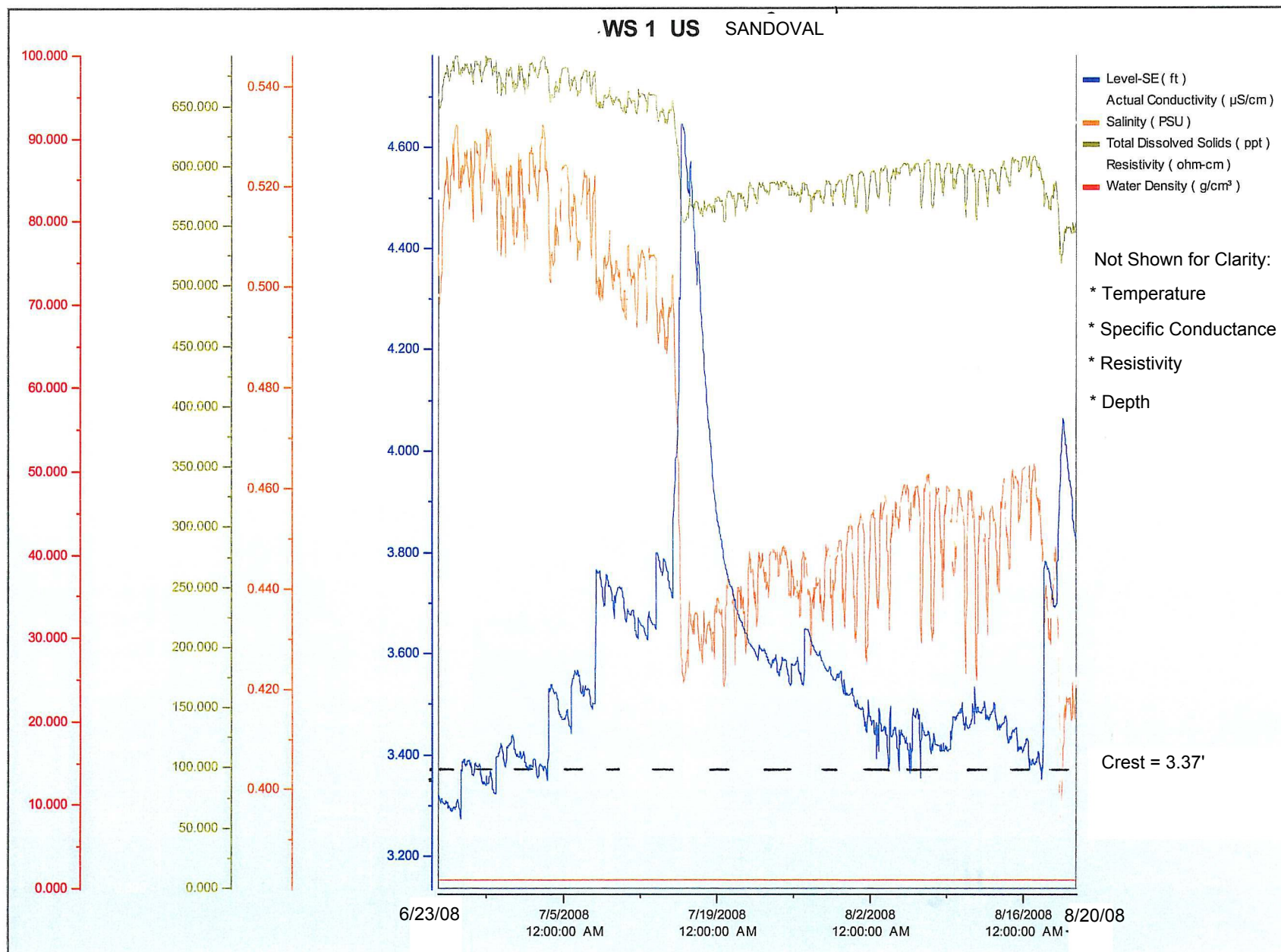
Mediterra

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	9/22/2008	L-55	Grab	4.46
2	10/8/2008	L-55	24 Hr Composite	2.46
3	10/30/2008	QM-1T, QM-1B	Static Lake	NA
4	11/24/2008	QM-1T, QM-1B	Static Lake	NA
5				

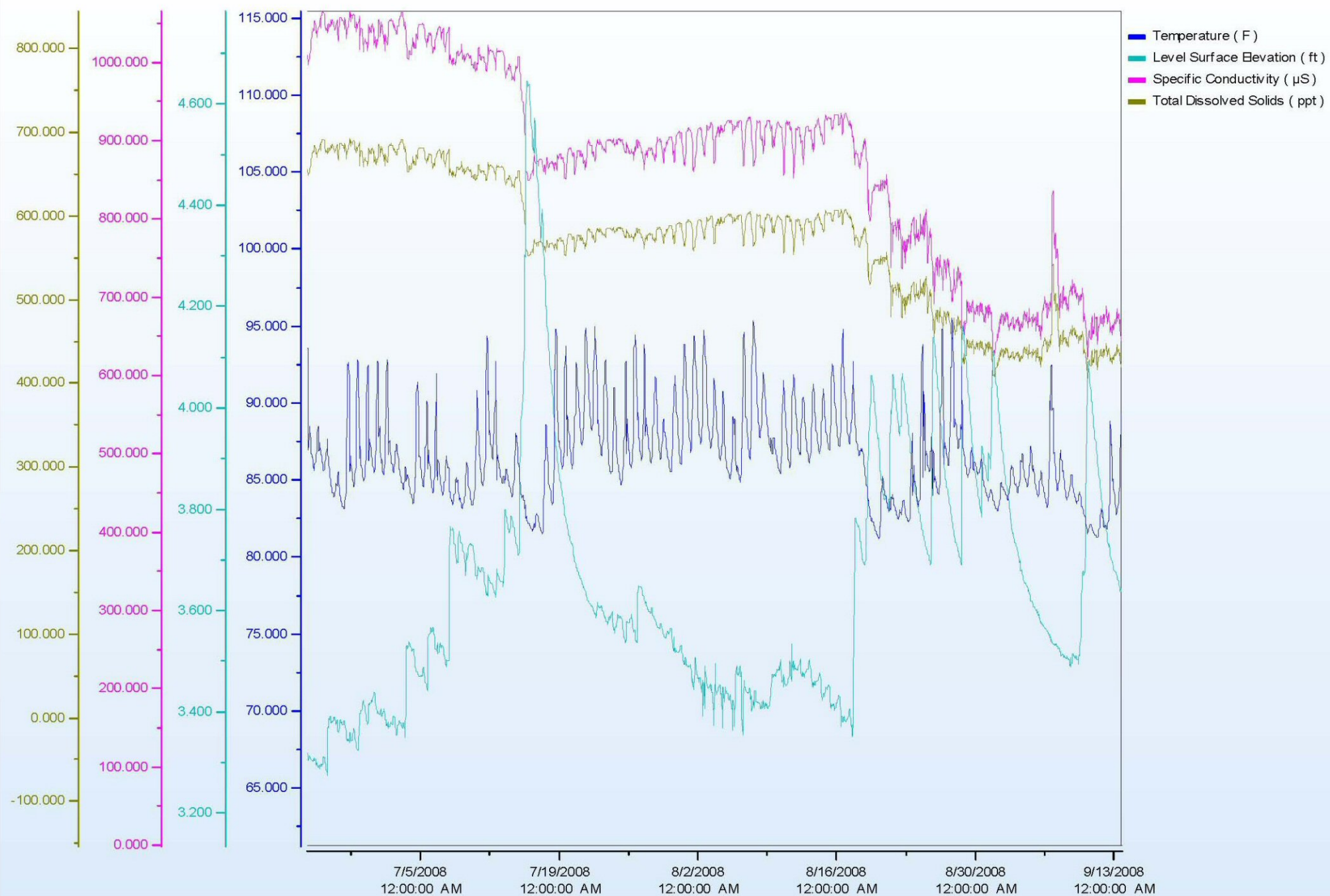
Twin Eagles

Event #	Date	Sample ID	Sample Type	Rainfall Inches
1	8/20/2008	QT-2	Grab	7.65
2	9/11/2008	QT-1T, QT-1B	Static Lake	NA
3	11/24/2008	QT-1T, QT-1B	Static Lake	NA
4				
5				

AQUA TROLL 200 Pressure/Conductivity/Temperature Probe



WS 1 US SANDOVAL



1. VERANDAH

SAMPDESC	SAMPLE DATE	COMPOUND	QUALIFIER	RESULTN	UNITS	MDL
QV-L29	7/24/2008	AMMONIA NITROGEN		0.044	MG/L	0.005
QV-L29	8/26/2008	AMMONIA NITROGEN		0.063	MG/L	0.005
QV-L29	9/11/2008	AMMONIA NITROGEN		0.202	MG/L	0.005
QV-L29	10/6/2008	AMMONIA NITROGEN		0.027	MG/L	0.005
QV-L29	9/11/2008	CHLORIDE		156	MG/L	0.353
QV-L29	7/24/2008	CHLOROPHYLL A	C	40.2	MG/M3	0.25
QV-L29	8/26/2008	CHLOROPHYLL A	C	45.7	MG/M3	0.25
QV-L29	9/11/2008	CHLOROPHYLL A	C	41.3	MG/M3	0.25
QV-L29	10/6/2008	CHLOROPHYLL A	C	60.8	MG/M3	0.25
QV-L29	9/11/2008	COPPER	I	0.729	UG/L	0.346
QV-L29	10/6/2008	COPPER		1.61	UG/L	0.346
QV-L29	9/11/2008	IRON		332	UG/L	29
QV-L29	10/6/2008	IRON		164	UG/L	29
QV-L29	9/11/2008	LEAD	U	0.670	UG/L	0.670
QV-L29	10/6/2008	LEAD	U	0.670	UG/L	0.670
QV-L29	7/24/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QV-L29	8/26/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QV-L29	9/11/2008	NITRATE+NITRITE AS N	I	0.008	MG/L	0.004
QV-L29	10/6/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QV-L29	7/24/2008	ORTHO PHOSPHORUS AS P		0.037	MG/L	0.002
QV-L29	8/26/2008	ORTHO PHOSPHORUS AS P		0.062	MG/L	0.002
QV-L29	9/11/2008	ORTHO PHOSPHORUS AS P		0.051	MG/L	0.002
QV-L29	10/6/2008	ORTHO PHOSPHORUS AS P		0.016	MG/L	0.002
QV-L29	7/24/2008	SALINITY		0.4	G/KG	0.217
QV-L29	7/24/2008	TOTAL DISSOLVED SOLIDS		528	MG/L	7.26
QV-L29	9/11/2008	TOTAL HARDNESS (CACO3)		318	MG/L	0.682
QV-L29	10/6/2008	TOTAL HARDNESS (CACO3)		296	MG/L	0.682
QV-L29	7/24/2008	TOTAL KJELDAHL NITROGEN		0.962	MG/L	0.05
QV-L29	8/26/2008	TOTAL KJELDAHL NITROGEN		1.11	MG/L	0.05
QV-L29	9/11/2008	TOTAL KJELDAHL NITROGEN		1.16	MG/L	0.05
QV-L29	10/6/2008	TOTAL KJELDAHL NITROGEN		1.21	MG/L	0.05
QV-L29	7/24/2008	TOTAL NITROGEN		0.962	MG/L	0.05
QV-L29	8/26/2008	TOTAL NITROGEN		1.11	MG/L	0.05
QV-L29	9/11/2008	TOTAL NITROGEN		1.17	MG/L	0.05
QV-L29	10/6/2008	TOTAL NITROGEN		1.21	MG/L	0.05
QV-L29	7/24/2008	TOTAL PHOSPHORUS AS P		0.114	MG/L	0.002
QV-L29	8/26/2008	TOTAL PHOSPHORUS AS P		0.167	MG/L	0.002
QV-L29	9/11/2008	TOTAL PHOSPHORUS AS P		0.107	MG/L	0.002
QV-L29	10/6/2008	TOTAL PHOSPHORUS AS P		0.101	MG/L	0.002
QV-L29	7/24/2008	TOTAL SUSPENDED SOLIDS		5.2	MG/L	0.570
QV-L29	8/26/2008	TOTAL SUSPENDED SOLIDS		5.6	MG/L	0.570
QV-L29	9/11/2008	TOTAL SUSPENDED SOLIDS		4.6	MG/L	1
QV-L29	10/6/2008	TOTAL SUSPENDED SOLIDS		3.80	MG/L	1
QV-L29	7/24/2008	TURBIDITY		4.5	NTU	0.05
QV-L29	8/26/2008	TURBIDITY		3.7	NTU	0.05
QV-L29	9/11/2008	TURBIDITY		2.9	NTU	0.05
QV-L29	10/6/2008	TURBIDITY		3.20	NTU	0.05
QV-L4	7/9/2007	AMMONIA NITROGEN		0.047	MG/L	0.005
QV-L4	7/11/2008	AMMONIA NITROGEN		0.079	MG/L	0.005
QV-L4	7/9/2007	CHLOROPHYLL A	C	27.5	MG/M3	0.25
QV-L4	7/9/2007	NITRATE+NITRITE AS N	I	0.006	MG/L	0.004
QV-L4	7/11/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QV-L4	7/9/2007	ORTHO PHOSPHORUS AS P		0.034	MG/L	0.002
QV-L4	7/11/2008	ORTHO PHOSPHORUS AS P	I	0.005	MG/L	0.002
QV-L4	7/9/2007	TOTAL KJELDAHL NITROGEN		0.908	MG/L	0.05
QV-L4	7/11/2008	TOTAL KJELDAHL NITROGEN		1.11	MG/L	0.05
QV-L4	7/9/2007	TOTAL NITROGEN		0.914	MG/L	0.05
QV-L4	7/11/2008	TOTAL NITROGEN		1.11	MG/L	0.05
QV-L4	7/9/2007	TOTAL PHOSPHORUS AS P		0.12	MG/L	0.002
QV-L4	7/11/2008	TOTAL PHOSPHORUS AS P		0.07	MG/L	0.002
QV-L4	7/9/2007	TOTAL SUSPENDED SOLIDS		4.6	MG/L	0.570
QV-L4	7/11/2008	TOTAL SUSPENDED SOLIDS		4.6	MG/L	0.570
QV-L4	7/9/2007	TURBIDITY		4.6	NTU	0.05
QV-L4	7/11/2008	TURBIDITY		2.9	NTU	0.05

QUALIFIERS

C - Chlorophyll A Lab Filtered

I - Reported value between MDL and PQL

U - Analyte analyzed but not detected at value reported, MDL reported

2. SANDOVAL

SAMPDESC	SAMPLE DATE	COMPOUND	QUALIFIER	RESULTN	UNITS	MDL
QS-1	7/2/2008	AMMONIA NITROGEN		0.161	MG/L	0.005
QS-1	7/18/2008	AMMONIA NITROGEN		0.071	MG/L	0.005
QS-1	8/21/2008	AMMONIA NITROGEN		0.503	MG/L	0.005
QS-1	9/11/2008	AMMONIA NITROGEN		0.24	MG/L	0.005
QS-1	10/6/2008	AMMONIA NITROGEN		0.172	MG/L	0.005
QS-1	9/11/2008	CHLORIDE		105	MG/L	0.353
QS-1	7/2/2008	CHLOROPHYLL A	C	16.4	MG/M3	0.25
QS-1	7/18/2008	CHLOROPHYLL A	C	32.2	MG/M3	0.25
QS-1	8/21/2008	CHLOROPHYLL A	C	55	MG/M3	0.25
QS-1	9/11/2008	CHLOROPHYLL A	C	78.3	MG/M3	0.25
QS-1	10/6/2008	CHLOROPHYLL A	C	39.7	MG/M3	0.25
QS-1	9/11/2008	COPPER		12.4	UG/L	0.346
QS-1	10/6/2008	COPPER		7.51	UG/L	0.346
QS-1	9/11/2008	IRON	I	112	UG/L	29
QS-1	10/6/2008	IRON	I	60.0	UG/L	29
QS-1	9/11/2008	LEAD	U	0.670	UG/L	0.670
QS-1	10/6/2008	LEAD	U	0.670	UG/L	0.670
QS-1	7/2/2008	NITRATE+NITRITE AS N		0.021	MG/L	0.004
QS-1	7/18/2008	NITRATE+NITRITE AS N		0.06	MG/L	0.004
QS-1	8/21/2008	NITRATE+NITRITE AS N		0.037	MG/L	0.004
QS-1	9/11/2008	NITRATE+NITRITE AS N		0.035	MG/L	0.004
QS-1	10/6/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QS-1	7/2/2008	ORTHO PHOSPHORUS AS P		0.139	MG/L	0.002
QS-1	7/18/2008	ORTHO PHOSPHORUS AS P		0.389	MG/L	0.002
QS-1	8/21/2008	ORTHO PHOSPHORUS AS P		0.304	MG/L	0.002
QS-1	9/11/2008	ORTHO PHOSPHORUS AS P		0.294	MG/L	0.002
QS-1	10/6/2008	ORTHO PHOSPHORUS AS P		0.263	MG/L	0.002
QS-1	9/11/2008	TOTAL HARDNESS (CACO3)		205	MG/L	0.682
QS-1	10/6/2008	TOTAL HARDNESS (CACO3)		206	MG/L	0.682
QS-1	7/2/2008	TOTAL KJELDAHL NITROGEN		1.48	MG/L	0.05
QS-1	7/18/2008	TOTAL KJELDAHL NITROGEN		1.75	MG/L	0.05
QS-1	8/21/2008	TOTAL KJELDAHL NITROGEN		2.1	MG/L	0.05
QS-1	9/11/2008	TOTAL KJELDAHL NITROGEN		1.9	MG/L	0.05
QS-1	10/6/2008	TOTAL KJELDAHL NITROGEN		1.38	MG/L	0.05
QS-1	7/2/2008	TOTAL NITROGEN		1.5	MG/L	0.05
QS-1	7/18/2008	TOTAL NITROGEN		1.81	MG/L	0.05
QS-1	8/21/2008	TOTAL NITROGEN		2.14	MG/L	0.05
QS-1	9/11/2008	TOTAL NITROGEN		1.94	MG/L	0.05
QS-1	10/6/2008	TOTAL NITROGEN		1.38	MG/L	0.05
QS-1	7/2/2008	TOTAL PHOSPHORUS AS P		0.222	MG/L	0.002
QS-1	7/18/2008	TOTAL PHOSPHORUS AS P		0.444	MG/L	0.002
QS-1	8/21/2008	TOTAL PHOSPHORUS AS P		0.431	MG/L	0.002
QS-1	9/11/2008	TOTAL PHOSPHORUS AS P		0.427	MG/L	0.002
QS-1	10/6/2008	TOTAL PHOSPHORUS AS P		0.345	MG/L	0.002
QS-1	7/2/2008	TOTAL SUSPENDED SOLIDS		6.2	MG/L	0.570
QS-1	7/18/2008	TOTAL SUSPENDED SOLIDS		5.8	MG/L	0.570
QS-1	8/21/2008	TOTAL SUSPENDED SOLIDS		13.2	MG/L	0.570
QS-1	9/11/2008	TOTAL SUSPENDED SOLIDS		12.8	MG/L	1
QS-1	10/6/2008	TOTAL SUSPENDED SOLIDS		9.80	MG/L	1
QS-1	7/2/2008	TURBIDITY		5	NTU	0.05
QS-1	7/18/2008	TURBIDITY		5.2	NTU	0.05
QS-1	8/21/2008	TURBIDITY		6.7	NTU	0.05
QS-1	9/11/2008	TURBIDITY		1.9	NTU	0.05
QS-1	10/6/2008	TURBIDITY		13.5	NTU	0.05
QS-3	7/19/2007	AMMONIA NITROGEN		0.094	MG/L	0.005
QS-3	7/19/2007	CHLOROPHYLL A	C	25.7	MG/M3	0.25
QS-3	7/19/2007	NITRATE+NITRITE AS N	I	0.004	MG/L	0.004
QS-3	7/19/2007	ORTHO PHOSPHORUS AS P	I	0.005	MG/L	0.002
QS-3	7/19/2007	TOTAL KJELDAHL NITROGEN		1.01	MG/L	0.05
QS-3	7/19/2007	TOTAL NITROGEN		1.01	MG/L	0.05
QS-3	7/19/2007	TOTAL PHOSPHORUS AS P		0.043	MG/L	0.002
QS-3	7/19/2007	TOTAL SUSPENDED SOLIDS		5.6	MG/L	0.570
QS-3	7/19/2007	TURBIDITY		5.7	NTU	0.05

QUALIFIERS

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3. SHADOW WOOD PRESERVE

SAMPDESC	SAMPLE DATE	COMPOUND	QUALIFIER	RESULTN	RESULTC	UNITS	MDL
QSWP-1	7/14/2008	AMMONIA NITROGEN		0.109	0.109	MG/L	0.005
QSWP-1	7/23/2008	AMMONIA NITROGEN		0.067	0.067	MG/L	0.005
QSWP-1	8/20/2008	AMMONIA NITROGEN		0.117	0.117	MG/L	0.005
QSWP-1	8/28/2008	AMMONIA NITROGEN		0.111	0.111	MG/L	0.005
QSWP-1	9/11/2008	AMMONIA NITROGEN		0.229	0.229	MG/L	0.005
QSWP-1	10/10/2008	AMMONIA NITROGEN		0.391	0.391	MG/L	0.005
QSWP-1	9/11/2008	CHLORIDE		166	166	MG/L	0.353
QSWP-1	10/10/2008	CHLORIDE		364	364	MG/L	0.353
QSWP-1	7/14/2008	CHLOROPHYLL A	C	24.7	24.7 C	MG/M3	0.25
QSWP-1	7/23/2008	CHLOROPHYLL A	C	8.62	8.62 C	MG/M3	0.25
QSWP-1	8/20/2008	CHLOROPHYLL A	C	39.4	39.4 C	MG/M3	0.25
QSWP-1	8/28/2008	CHLOROPHYLL A	C	13.7	13.7 C	MG/M3	0.25
QSWP-1	9/11/2008	CHLOROPHYLL A	C	21.1	21.1 C	MG/M3	0.25
QSWP-1	10/10/2008	CHLOROPHYLL A	C	14.7	14.7 C	MG/M3	0.25
QSWP-1	9/11/2008	COPPER		3.02	3.02	UG/L	0.346
QSWP-1	10/10/2008	COPPER		3.78	3.78	UG/L	0.346
QSWP-1	9/11/2008	IRON		168	168	UG/L	29
QSWP-1	10/10/2008	IRON		123	123	UG/L	29
QSWP-1	9/11/2008	LEAD	U	0.670	0.670 U	UG/L	0.670
QSWP-1	10/10/2008	LEAD	U	0.670	0.670 U	UG/L	0.670
QSWP-1	7/14/2008	NITRATE+NITRITE AS N		0.033	0.033	MG/L	0.004
QSWP-1	7/23/2008	NITRATE+NITRITE AS N	I	0.016	0.016 I	MG/L	0.004
QSWP-1	8/20/2008	NITRATE+NITRITE AS N		0.102	0.102	MG/L	0.004
QSWP-1	8/28/2008	NITRATE+NITRITE AS N	I	0.005	0.005 I	MG/L	0.004
QSWP-1	9/11/2008	NITRATE+NITRITE AS N		0.04	0.040	MG/L	0.004
QSWP-1	10/10/2008	NITRATE+NITRITE AS N		0.086	0.086	MG/L	0.004
QSWP-1	7/14/2008	ORTHO PHOSPHORUS AS P		0.032	0.032	MG/L	0.002
QSWP-1	7/23/2008	ORTHO PHOSPHORUS AS P		0.011	0.011	MG/L	0.002
QSWP-1	8/20/2008	ORTHO PHOSPHORUS AS P		0.099	0.099	MG/L	0.002
QSWP-1	8/28/2008	ORTHO PHOSPHORUS AS P		0.01	0.010	MG/L	0.002
QSWP-1	9/11/2008	ORTHO PHOSPHORUS AS P		0.017	0.017	MG/L	0.002
QSWP-1	10/10/2008	ORTHO PHOSPHORUS AS P	I	0.007	0.007 I	MG/L	0.002
QSWP-1	9/11/2008	TOTAL HARDNESS (CACO3)		299	299	MG/L	0.682
QSWP-1	10/10/2008	TOTAL HARDNESS (CACO3)		319	319	MG/L	0.682
QSWP-1	7/14/2008	TOTAL KJELDAHL NITROGEN		1.42	1.42	MG/L	0.05
QSWP-1	7/23/2008	TOTAL KJELDAHL NITROGEN		1.06	1.06	MG/L	0.05
QSWP-1	8/20/2008	TOTAL KJELDAHL NITROGEN		0.941	0.941	MG/L	0.05
QSWP-1	8/28/2008	TOTAL KJELDAHL NITROGEN		1.3	1.30	MG/L	0.05
QSWP-1	9/11/2008	TOTAL KJELDAHL NITROGEN		1.24	1.24	MG/L	0.05
QSWP-1	10/10/2008	TOTAL KJELDAHL NITROGEN		1.03	1.03	MG/L	0.05
QSWP-1	7/14/2008	TOTAL NITROGEN		1.45	1.45	MG/L	0.05
QSWP-1	7/23/2008	TOTAL NITROGEN		1.08	1.08	MG/L	0.05
QSWP-1	8/20/2008	TOTAL NITROGEN		1.04	1.04	MG/L	0.05
QSWP-1	8/28/2008	TOTAL NITROGEN		1.31	1.31	MG/L	0.05
QSWP-1	9/11/2008	TOTAL NITROGEN		1.28	1.28	MG/L	0.05
QSWP-1	10/10/2008	TOTAL NITROGEN		1.12	1.12	MG/L	0.05
QSWP-1	7/14/2008	TOTAL PHOSPHORUS AS P		0.102	0.102	MG/L	0.002
QSWP-1	7/23/2008	TOTAL PHOSPHORUS AS P		0.051	0.051	MG/L	0.002
QSWP-1	8/20/2008	TOTAL PHOSPHORUS AS P		0.193	0.193	MG/L	0.002
QSWP-1	8/28/2008	TOTAL PHOSPHORUS AS P		0.049	0.049	MG/L	0.002
QSWP-1	9/11/2008	TOTAL PHOSPHORUS AS P		0.063	0.063	MG/L	0.002
QSWP-1	10/10/2008	TOTAL PHOSPHORUS AS P		0.036	0.036	MG/L	0.002
QSWP-1	7/14/2008	TOTAL SUSPENDED SOLIDS		3.8	3.80	MG/L	0.570
QSWP-1	7/23/2008	TOTAL SUSPENDED SOLIDS		3.75	3.75	MG/L	0.570
QSWP-1	8/20/2008	TOTAL SUSPENDED SOLIDS		13.5	13.5	MG/L	0.570
QSWP-1	8/28/2008	TOTAL SUSPENDED SOLIDS		3	3.00	MG/L	0.570
QSWP-1	9/11/2008	TOTAL SUSPENDED SOLIDS		6	6.00	MG/L	1
QSWP-1	10/10/2008	TOTAL SUSPENDED SOLIDS	I	1.2	1.20 I	MG/L	0.570
QSWP-1	7/14/2008	TURBIDITY		3.6	3.60	NTU	0.05
QSWP-1	7/23/2008	TURBIDITY		3.3	3.30	NTU	0.05
QSWP-1	8/20/2008	TURBIDITY		9.9	9.90	NTU	0.05
QSWP-1	8/28/2008	TURBIDITY		2.1	2.10	NTU	0.05
QSWP-1	9/11/2008	TURBIDITY		4.6	4.60	NTU	0.05
QSWP-1	10/10/2008	TURBIDITY		1.93	1.93	NTU	0.05

QUALIFIERS

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4. THE BROOKS

SAMPDESC	SAMPLE DATE	COMPOUND	QUALIFIER	RESULTN	UNITS	MDL
QB-1	7/9/2008	AMMONIA NITROGEN	I	0.008	MG/L	0.005
QB-1	7/22/2008	AMMONIA NITROGEN		0.037	MG/L	0.005
QB-1	8/21/2008	AMMONIA NITROGEN		0.121	MG/L	0.005
QB-1	9/11/2008	AMMONIA NITROGEN		0.13	MG/L	0.005
QB-1	10/7/2008	AMMONIA NITROGEN	I	0.017	MG/L	0.005
QB-1	9/11/2008	CHLORIDE		69.8	MG/L	0.353
QB-1	10/7/2008	CHLORIDE		77.6	MG/L	0.353
QB-1	7/9/2008	CHLOROPHYLL A	C	30.4	MG/M3	0.25
QB-1	7/22/2008	CHLOROPHYLL A	C	28	MG/M3	0.25
QB-1	8/21/2008	CHLOROPHYLL A	C	17.6	MG/M3	0.25
QB-1	9/11/2008	CHLOROPHYLL A	C	20	MG/M3	0.25
QB-1	10/7/2008	CHLOROPHYLL A	C	38	MG/M3	0.25
QB-1	9/11/2008	COPPER		2.54	UG/L	0.346
QB-1	10/7/2008	COPPER		5.35	UG/L	0.346
QB-1	9/11/2008	IRON		176	UG/L	29
QB-1	10/7/2008	IRON		104	UG/L	29
QB-1	9/11/2008	LEAD	U	0.670	UG/L	0.670
QB-1	10/7/2008	LEAD	U	0.670	UG/L	0.670
QB-1	7/9/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QB-1	7/22/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QB-1	8/21/2008	NITRATE+NITRITE AS N	I	0.012	MG/L	0.004
QB-1	9/11/2008	NITRATE+NITRITE AS N		0.022	MG/L	0.004
QB-1	10/7/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QB-1	7/9/2008	ORTHO PHOSPHORUS AS P		0.011	MG/L	0.002
QB-1	7/22/2008	ORTHO PHOSPHORUS AS P		0.022	MG/L	0.002
QB-1	8/21/2008	ORTHO PHOSPHORUS AS P		0.051	MG/L	0.002
QB-1	9/11/2008	ORTHO PHOSPHORUS AS P		0.042	MG/L	0.002
QB-1	10/7/2008	ORTHO PHOSPHORUS AS P		0.012	MG/L	0.002
QB-1	9/11/2008	TOTAL HARDNESS (CACO3)		168	MG/L	0.682
QB-1	10/7/2008	TOTAL HARDNESS (CACO3)		187	MG/L	0.682
QB-1	7/9/2008	TOTAL KJELDAHL NITROGEN		0.921	MG/L	0.05
QB-1	7/22/2008	TOTAL KJELDAHL NITROGEN		0.838	MG/L	0.05
QB-1	8/21/2008	TOTAL KJELDAHL NITROGEN		0.701	MG/L	0.05
QB-1	9/11/2008	TOTAL KJELDAHL NITROGEN		0.837	MG/L	0.05
QB-1	10/7/2008	TOTAL KJELDAHL NITROGEN		0.906	MG/L	0.05
QB-1	7/9/2008	TOTAL NITROGEN		0.921	MG/L	0.05
QB-1	7/22/2008	TOTAL NITROGEN		0.838	MG/L	0.05
QB-1	8/21/2008	TOTAL NITROGEN		0.713	MG/L	0.05
QB-1	9/11/2008	TOTAL NITROGEN		0.859	MG/L	0.05
QB-1	10/7/2008	TOTAL NITROGEN		0.906	MG/L	0.05
QB-1	7/9/2008	TOTAL PHOSPHORUS AS P		0.078	MG/L	0.002
QB-1	7/22/2008	TOTAL PHOSPHORUS AS P		0.028	MG/L	0.002
QB-1	8/21/2008	TOTAL PHOSPHORUS AS P		0.086	MG/L	0.002
QB-1	9/11/2008	TOTAL PHOSPHORUS AS P		0.078	MG/L	0.002
QB-1	10/7/2008	TOTAL PHOSPHORUS AS P		0.064	MG/L	0.002
QB-1	7/9/2008	TOTAL SUSPENDED SOLIDS		4	MG/L	0.570
QB-1	7/22/2008	TOTAL SUSPENDED SOLIDS		4.2	MG/L	0.570
QB-1	8/21/2008	TOTAL SUSPENDED SOLIDS	U	0.57	MG/L	0.570
QB-1	9/11/2008	TOTAL SUSPENDED SOLIDS		2.4	MG/L	1
QB-1	10/7/2008	TOTAL SUSPENDED SOLIDS		2.6	MG/L	0.570
QB-1	7/9/2008	TURBIDITY		2.8	NTU	0.05
QB-1	7/22/2008	TURBIDITY		2.7	NTU	0.05
QB-1	8/21/2008	TURBIDITY		1.13	NTU	0.05
QB-1	9/11/2008	TURBIDITY		17.8	NTU	0.05
QB-1	10/7/2008	TURBIDITY		1.74	NTU	0.05

QUALIFIERS

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I - Reported value between MDL and PQL

U - Analyte analyzed but not detected at value reported, MDL reported

5. MEDITERRA

SAMPDESC	SAMPLE DATE	COMPOUND	QUALIFIER	RESULTN	UNITS	MDL
QM-2	9/22/2008	AMMONIA NITROGEN		0.082	MG/L	0.005
QM-2	10/8/2008	AMMONIA NITROGEN		0.053	MG/L	0.005
QM-2	10/8/2008	CHLORIDE		23.2	MG/L	0.353
QM-2	9/22/2008	CHLOROPHYLL A	C	18.3	MG/M3	0.25
QM-2	10/8/2008	CHLOROPHYLL A	C	40.1	MG/M3	0.25
QM-2	9/22/2008	COPPER		2.68	UG/L	0.346
QM-2	10/8/2008	COPPER		7.04	UG/L	0.346
QM-2	9/22/2008	IRON		255	UG/L	29
QM-2	10/8/2008	IRON		775	UG/L	29
QM-2	9/22/2008	LEAD	I	1.7	UG/L	0.670
QM-2	10/8/2008	LEAD	U	0.670	UG/L	0.670
QM-2	9/22/2008	NITRATE+NITRITE AS N	I	0.008	MG/L	0.004
QM-2	10/8/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QM-2	9/22/2008	ORTHO PHOSPHORUS AS P		0.025	MG/L	0.002
QM-2	10/8/2008	ORTHO PHOSPHORUS AS P		0.018	MG/L	0.002
QM-2	9/22/2008	TOTAL HARDNESS (CACO3)		261	MG/KG	0.682
QM-2	10/8/2008	TOTAL HARDNESS (CACO3)		274	MG/L	0.682
QM-2	9/22/2008	TOTAL KJELDAHL NITROGEN		0.694	MG/L	0.05
QM-2	10/8/2008	TOTAL KJELDAHL NITROGEN		0.724	MG/L	0.05
QM-2	9/22/2008	TOTAL NITROGEN		0.702	MG/L	0.05
QM-2	10/8/2008	TOTAL NITROGEN		0.724	MG/L	0.05
QM-2	9/22/2008	TOTAL PHOSPHORUS AS P		0.064	MG/L	0.002
QM-2	10/8/2008	TOTAL PHOSPHORUS AS P		0.064	MG/L	0.002
QM-2	9/22/2008	TOTAL SUSPENDED SOLIDS		3.8	MG/L	1
QM-2	10/8/2008	TOTAL SUSPENDED SOLIDS		15.2	MG/L	0.570
QM-2	9/22/2008	TURBIDITY		3	NTU	0.05
QM-2	10/8/2008	TURBIDITY		8.3	NTU	0.05
QM-I Bottom	11/24/2008	AMMONIA NITROGEN		0.078	MG/L	0.005
QM-I Bottom	11/24/2008	CHLORIDE		22.3	MG/L	0.353
QM-I Bottom	11/24/2008	CHLOROPHYLL A		27.3	MG/M3	0.25
QM-I Bottom	11/24/2008	COPPER		1.75	UG/L	0.346
QM-I Bottom	11/24/2008	IRON		260	UG/L	29
QM-I Bottom	11/24/2008	LEAD	U	0.670	UG/L	0.670
QM-I Bottom	11/24/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QM-I Bottom	11/24/2008	ORTHO PHOSPHORUS AS P		0.029	MG/L	0.002
QM-I Bottom	11/24/2008	TOTAL HARDNESS (CACO3)		267	MG/L	0.682
QM-I Bottom	11/24/2008	TOTAL KJELDAHL NITROGEN		0.594	MG/L	0.05
QM-I Bottom	11/24/2008	TOTAL NITROGEN		0.594	MG/L	0.05
QM-I Bottom	11/24/2008	TOTAL PHOSPHORUS AS P		0.033	MG/L	0.002
QM-I Bottom	11/24/2008	TOTAL SUSPENDED SOLIDS		4.2	MG/L	0.570
QM-I Bottom	11/24/2008	TURBIDITY		3.1	NTU	0.05
QM-I Top	11/24/2008	AMMONIA NITROGEN		0.062	MG/L	0.005
QM-I Top	11/24/2008	CHLORIDE		22.1	MG/L	0.353
QM-I Top	11/24/2008	CHLOROPHYLL A		21.3	MG/M3	0.25
QM-I Top	11/24/2008	COPPER		1.8	UG/L	0.346
QM-I Top	11/24/2008	IRON		223	UG/L	29
QM-I Top	11/24/2008	LEAD	U	0.670	UG/L	0.670
QM-I Top	11/24/2008	NITRATE+NITRITE AS N	I	0.004	MG/L	0.004
QM-I Top	11/24/2008	ORTHO PHOSPHORUS AS P		0.032	MG/L	0.002
QM-I Top	11/24/2008	TOTAL HARDNESS (CACO3)		268	MG/L	0.682
QM-I Top	11/24/2008	TOTAL KJELDAHL NITROGEN		0.543	MG/L	0.05
QM-I Top	11/24/2008	TOTAL NITROGEN		0.547	MG/L	0.05
QM-I Top	11/24/2008	TOTAL PHOSPHORUS AS P		0.04	MG/L	0.002
QM-I Top	11/24/2008	TOTAL SUSPENDED SOLIDS		3.4	MG/L	0.570
QM-I Top	11/24/2008	TURBIDITY		2	NTU	0.05

QUALIFIERS

C - Chlorophyll A Lab Filtered

I - Reported value between MDL and PQL

U - Analyte analyzed but not detected at value reported, MDL reported

6. TWIN EAGLES

SAMPDESC	SAMPLE DATE	COMPOUND	QUALIFIER	RESULTN	UNITS	MDL
QT-1Bottom	9/11/2008	AMMONIA NITROGEN		0.103	MG/L	0.005
QT-1Bottom	11/24/2008	AMMONIA NITROGEN		0.066	MG/L	0.005
QT-1Bottom	9/11/2008	CHLORIDE		8.34	MG/L	0.353
QT-1Bottom	11/24/2008	CHLORIDE		12.4	MG/L	0.353
QT-1Bottom	9/11/2008	CHLOROPHYLL A	C	23	MG/M3	0.25
QT-1Bottom	11/24/2008	CHLOROPHYLL A		24.6	MG/M3	0.25
QT-1Bottom	9/11/2008	COPPER		3.37	UG/L	0.346
QT-1Bottom	11/24/2008	COPPER		3.54	UG/L	0.346
QT-1Bottom	9/11/2008	IRON	I	78	UG/L	29
QT-1Bottom	11/24/2008	IRON	I	68.3	UG/L	29
QT-1Bottom	9/11/2008	LEAD	U	0.670	UG/L	0.670
QT-1Bottom	11/24/2008	LEAD	U	0.670	UG/L	0.670
QT-1Bottom	9/11/2008	NITRATE+NITRITE AS N	I	0.008	MG/L	0.004
QT-1Bottom	11/24/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QT-1Bottom	9/11/2008	ORTHO PHOSPHORUS AS P		0.027	MG/L	0.002
QT-1Bottom	11/24/2008	ORTHO PHOSPHORUS AS P		0.022	MG/L	0.002
QT-1Bottom	9/11/2008	TOTAL HARDNESS (CACO3)		167	MG/L	0.682
QT-1Bottom	11/24/2008	TOTAL HARDNESS (CACO3)		245	MG/L	0.682
QT-1Bottom	9/11/2008	TOTAL KJELDAHL NITROGEN		1.07	MG/L	0.05
QT-1Bottom	11/24/2008	TOTAL KJELDAHL NITROGEN		0.98	MG/L	0.05
QT-1Bottom	9/11/2008	TOTAL NITROGEN		1.08	MG/L	0.05
QT-1Bottom	11/24/2008	TOTAL NITROGEN		0.98	MG/L	0.05
QT-1Bottom	9/11/2008	TOTAL PHOSPHORUS AS P		0.084	MG/L	0.002
QT-1Bottom	11/24/2008	TOTAL PHOSPHORUS AS P		0.043	MG/L	0.002
QT-1Bottom	9/11/2008	TOTAL SUSPENDED SOLIDS		11	MG/L	1
QT-1Bottom	11/24/2008	TOTAL SUSPENDED SOLIDS		8	MG/L	0.570
QT-1Bottom	9/11/2008	TURBIDITY		7.9	NTU	0.05
QT-1Bottom	11/24/2008	TURBIDITY		6.7	NTU	0.05
QT-1Top	9/11/2008	AMMONIA NITROGEN		0.086	MG/L	0.005
QT-1Top	11/24/2008	AMMONIA NITROGEN		0.051	MG/L	0.005
QT-1Top	9/11/2008	CHLORIDE		8.28	MG/L	0.353
QT-1Top	11/24/2008	CHLORIDE		12.2	MG/L	0.353
QT-1Top	9/11/2008	CHLOROPHYLL A	C	97.7	MG/M3	0.25
QT-1Top	11/24/2008	CHLOROPHYLL A		37.9	MG/M3	0.25
QT-1Top	9/11/2008	COPPER		2.33	UG/L	0.346
QT-1Top	11/24/2008	COPPER		3.45	UG/L	0.346
QT-1Top	9/11/2008	IRON	I	36.8	UG/L	29
QT-1Top	11/24/2008	IRON	I	59	UG/L	29
QT-1Top	9/11/2008	LEAD	U	0.670	UG/L	0.670
QT-1Top	11/24/2008	LEAD	U	0.670	UG/L	0.670
QT-1Top	9/11/2008	NITRATE+NITRITE AS N		0.019	MG/L	0.004
QT-1Top	11/24/2008	NITRATE+NITRITE AS N	U	0.004	MG/L	0.004
QT-1Top	9/11/2008	ORTHO PHOSPHORUS AS P		0.022	MG/L	0.002
QT-1Top	11/24/2008	ORTHO PHOSPHORUS AS P		0.021	MG/L	0.002
QT-1Top	9/11/2008	TOTAL HARDNESS (CACO3)		168	MG/L	0.682
QT-1Top	11/24/2008	TOTAL HARDNESS (CACO3)		242	MG/L	0.682
QT-1Top	9/11/2008	TOTAL KJELDAHL NITROGEN		1.35	MG/L	0.05
QT-1Top	11/24/2008	TOTAL KJELDAHL NITROGEN		1.21	MG/L	0.05
QT-1Top	9/11/2008	TOTAL NITROGEN		1.37	MG/L	0.05
QT-1Top	11/24/2008	TOTAL NITROGEN		1.21	MG/L	0.05
QT-1Top	9/11/2008	TOTAL PHOSPHORUS AS P		0.112	MG/L	0.002
QT-1Top	11/24/2008	TOTAL PHOSPHORUS AS P		0.046	MG/L	0.002
QT-1Top	9/11/2008	TOTAL SUSPENDED SOLIDS		8.8	MG/L	1
QT-1Top	11/24/2008	TOTAL SUSPENDED SOLIDS		7.4	MG/L	0.570
QT-1Top	9/11/2008	TURBIDITY		6.2	NTU	0.05
QT-1Top	11/24/2008	TURBIDITY		6.2	NTU	0.05
QT-2	8/20/2008	AMMONIA NITROGEN		0.117	MG/L	0.005
QT-2	8/20/2008	CHLOROPHYLL A	C	39.4	MG/M3	0.25
QT-2	8/20/2008	NITRATE+NITRITE		0.102	MG/L	0.004
QT-2	8/20/2008	ORTHO PHOSPHORUS		0.099	MG/L	0.002
QT-2	8/20/2008	TOTAL KJELDAHL NITROGEN		0.941	MG/L	0.05
QT-2	8/20/2008	TOTAL NITROGEN		1.04	MG/L	0.05
QT-2	8/20/2008	TOTAL PHOSPHORUS		0.193	MG/L	0.002
QT-2	8/20/2008	TOTAL SUSPENDED SOLIDS		13.5	MG/L	0.570
QT-2	8/20/2008	TURBIDITY		9.9	NTU	0.05

QUALIFIERS

C - Chlorophyll A Lab Filtered

I - Reported value between MDL and PQL

U - Analyte analyzed but not detected at value reported, MDL reported

SUBMISSION	PROJECTNAM	SAMPDESC	SAMPLEDATE	SAMPLETIME	METHOD	COMPOUND	QUALIFIER	RESULTN	RESULTC	UNITS	MDL	ANALYSDATE	ANALYSTIME	ANALYST
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	350.2	AMMONIA NITROGEN		0.047	0.047	MG/L	0.005	7/17/2007	11:00	YW
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	445.0	CHLOROPHYLL A	C	27.5	27.5 C	MG/M3	0.25	7/12/2007	09:15	TDT
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	353.2	NITRATE+NITRITE AS N	I	0.006	0.006 I	MG/L	0.004	7/11/2007	11:00	CB
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	365.3	ORTHO PHOSPHORUS AS P		0.034	0.034	MG/L	0.002	7/10/2007	17:26	YW
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	351.2	TOTAL KJELDAHL NITROGEN		0.908	0.908	MG/L	0.05	7/17/2007	14:00	TN
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	353+351	TOTAL NITROGEN		0.914	0.914	MG/L	0.05	7/17/2007	14:00	TN/CB
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	365.3	TOTAL PHOSPHORUS AS P		0.12	0.120	MG/L	0.002	7/16/2007	09:40	YW
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	160.2	TOTAL SUSPENDED SOLIDS		4.6	4.60	MG/L	0.570	7/13/2007	10:00	CB
7070292	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/9/2007	1130	180.1	TURBIDITY		4.6	4.60	NTU	0.05	7/11/2007	08:35	MWC
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	350.2	AMMONIA NITROGEN		0.094	0.094	MG/L	0.005	7/23/2007	10:40	YW
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	445.0	CHLOROPHYLL A	C	25.7	25.7 C	MG/M3	0.25	7/23/2007	14:30	TDT
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	353.2	NITRATE+NITRITE AS N	I	0.004	0.004 I	MG/L	0.004	7/23/2007	10:30	CB
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	365.3	ORTHO PHOSPHORUS AS P	I	0.005	0.005 I	MG/L	0.002	7/20/2007	16:02	YW
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	351.2	TOTAL KJELDAHL NITROGEN		1.01	1.01	MG/L	0.05	7/26/2007	09:00	TN
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	353+351	TOTAL NITROGEN		1.01	1.01	MG/L	0.05	7/26/2007	09:00	CB/TN
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	365.3	TOTAL PHOSPHORUS AS P		0.043	0.043	MG/L	0.002	7/24/2007	09:45	YW
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	160.2	TOTAL SUSPENDED SOLIDS		5.6	5.60	MG/L	0.570	7/24/2007	12:30	CB
7070600	FDEP LONG TERM DISCHARGE STUDY	QS-3	7/19/2007	900	180.1	TURBIDITY		5.7	5.70	NTU	0.05	7/20/2007	16:33	JG
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	SM4500-NH3C	AMMONIA NITROGEN		0.161	0.161	MG/L	0.005	7/8/2008	10:50	YW
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	445.0	CHLOROPHYLL A	C	16.4	16.4 C	MG/M3	0.25	7/7/2008	09:00	RK
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	353.2	NITRATE+NITRITE AS N		0.021	0.021	MG/L	0.004	7/8/2008	10:30	CB
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	365.3	ORTHO PHOSPHORUS AS P		0.139	0.139	MG/L	0.002	7/2/2008	14:00	YW
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	351.2	TOTAL KJELDAHL NITROGEN		1.48	1.48	MG/L	0.05	7/7/2008	10:00	MWC
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	353+351	TOTAL NITROGEN		1.5	1.50	MG/L	0.05	7/8/2008	10:30	MWC/CB
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	365.3	TOTAL PHOSPHORUS AS P		0.222	0.222	MG/L	0.002	7/7/2008	09:30	YW
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	SM2540D	TOTAL SUSPENDED SOLIDS		6.2	6.20	MG/L	0.570	7/2/2008	16:00	CB
8070067	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/2/2008	805	180.1	TURBIDITY		5	5.00	NTU	0.05	7/3/2008	09:10	RK
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	SM4500-NH3C	AMMONIA NITROGEN	I	0.008	0.008 I	MG/L	0.005	7/15/2008	12:15	YW
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	445.0	CHLOROPHYLL A	C	30.4	30.4 C	MG/M3	0.25	7/15/2008	09:00	RK
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	7/14/2008	09:30	CB
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	365.3	ORTHO PHOSPHORUS AS P		0.011	0.011	MG/L	0.002	7/10/2008	16:33	YW
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	351.2	TOTAL KJELDAHL NITROGEN		0.921	0.921	MG/L	0.05	7/15/2008	10:00	MWC
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	353+351	TOTAL NITROGEN		0.921	0.921	MG/L	0.05	7/15/2008	10:00	MWC/CB
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	365.3	TOTAL PHOSPHORUS AS P		0.078	0.078	MG/L	0.002	7/14/2008	09:45	YW
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	SM2540D	TOTAL SUSPENDED SOLIDS		4	4.00	MG/L	0.570	7/11/2008	08:30	CB
8070333	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/9/2008	1600	180.1	TURBIDITY		2.8	2.80	NTU	0.05	7/11/2008	16:40	RK
8070373	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/11/2008	1030	SM4500-NH3C	AMMONIA NITROGEN		0.079	0.079	MG/L	0.005	7/16/2008	10:30	YW
8070373	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/11/2008	1030	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	7/14/2008	09:30	CB
8070373	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/11/2008	1030	365.3	ORTHO PHOSPHORUS AS P	I	0.005	0.005 I	MG/L	0.002	7/11/2008	17:07	YW
8070373	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/11/2008	1030	351.2	TOTAL KJELDAHL NITROGEN		1.11	1.11	MG/L	0.05	7/17/2008	10:00	MWC
8070373	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/11/2008	1030	353+351	TOTAL NITROGEN		1.11	1.11	MG/L	0.05	7/17/2008	10:00	MWC/CB
8070373	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/11/2008	1030	365.3	TOTAL PHOSPHORUS AS P		0.07	0.070	MG/L	0.002	7/14/2008	09:45	YW
8070373	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/11/2008	1030	SM2540D	TOTAL SUSPENDED SOLIDS		4.6	4.60	MG/L	0.570	7/17/2008	08:30	CB
8070373	FDEP LONG TERM DISCHARGE STUDY	QV-L4	7/11/2008	1030	180.1	TURBIDITY		2.9	2.90	NTU	0.05	7/11/2008	16:55	RK
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	SM4500-NH3C	AMMONIA NITROGEN		0.109	0.109	MG/L	0.005	7/18/2008	11:00	YW
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	445.0	CHLOROPHYLL A	C	24.7	24.7 C	MG/M3	0.25	7/17/2008	09:30	RK
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	353.2	NITRATE+NITRITE AS N		0.033	0.033	MG/L	0.004	7/17/2008	11:00	CB
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	365.3	ORTHO PHOSPHORUS AS P		0.032	0.032	MG/L	0.002	7/15/2008	16:23	YW
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	351.2	TOTAL KJELDAHL NITROGEN		1.42	1.42	MG/L	0.05	7/21/2008	10:00	MWC
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	353+351	TOTAL NITROGEN		1.45	1.45	MG/L	0.05	7/21/2008	10:00	MWC/CB
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	365.3	TOTAL PHOSPHORUS AS P		0.102	0.102	MG/L	0.002	7/17/2008	09:00	YW
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	SM2540D	TOTAL SUSPENDED SOLIDS		3.8	3.80	MG/L	0.570	7/17/2008	08:30	CB
8070458	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/14/2008	1600	180.1	TURBIDITY		3.6	3.60	NTU	0.05	7/18/2008	09:40	RK
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	SM4500-NH3C	AMMONIA NITROGEN		0.071	0.071	MG/L	0.005	7/23/2008	10:30	YW
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	445.0	CHLOROPHYLL A	C	32.2	32.2 C	MG/M3	0.25	7/22/2008	09:00	RK
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	353.2	NITRATE+NITRITE AS N		0.06	0.060	MG/L	0.004	7/22/2008	10:00	CB
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	365.3	ORTHO PHOSPHORUS AS P		0.389	0.389	MG/L	0.002	7/18/2008	17:09	YW
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	351.2	TOTAL KJELDAHL NITROGEN		1.75	1.75	MG/L	0.05	7/25/2008	10:00	MWC
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	353+351	TOTAL NITROGEN		1.81	1.81	MG/L	0.05	7/25/2008	10:00	MWC/CB
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	365.3	TOTAL PHOSPHORUS AS P		0.444	0.444	MG/L	0.002	7/22/2008	09:10	YW
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	SM2540D	TOTAL SUSPENDED SOLIDS		5.8	5.80	MG/L	0.570	7/23/2008	9:10	CB
8070552	FDEP LONG TERM DISCHARGE STUDY	QS-1	7/18/2008	915	180.1	TURBIDITY		5.2	5.20	NTU	0.05	7/18/2008	16:00	RK

8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	SM4500-NH3C	AMMONIA NITROGEN		0.037	0.037	MG/L	0.005	7/29/2008	10:30	YW
8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	445.0	CHLOROPHYLL A	C	28	28.0 C	MG/M3	0.25	7/28/2008	09:00	RK
8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	7/25/2008	10:30	CB
8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	365.3	ORTHO PHOSPHORUS AS P		0.022	0.022	MG/L	0.002	7/23/2008	16:34	YW
8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	351.2	TOTAL KJELDAHL NITROGEN		0.838	0.838	MG/L	0.05	7/25/2008	10:00	MWC
8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	353+351	TOTAL NITROGEN		0.838	0.838	MG/L	0.05	7/25/2008	10:00	MWC/CB
8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	365.3	TOTAL PHOSPHORUS AS P		0.028	0.028	MG/L	0.002	7/25/2008	10:00	YW
8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	SM2540D	TOTAL SUSPENDED SOLIDS		4.2	4.20	MG/L	0.570	7/25/2008	12:00	CB
8070683	FDEP LONG TERM DISCHARGE STUDY	QB-1	7/22/2008	1444	180.1	TURBIDITY		2.7	2.70	NTU	0.05	7/24/2008	08:50	RK
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	SM4500-NH3C	AMMONIA NITROGEN		0.067	0.067	MG/L	0.005	7/29/2008	10:30	YW
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	445.0	CHLOROPHYLL A	C	8.62	8.62 C	MG/M3	0.25	7/28/2008	09:00	RK
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	353.2	NITRATE+NITRITE AS N	I	0.016	0.016 I	MG/L	0.004	7/25/2008	10:30	CB
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	365.3	ORTHO PHOSPHORUS AS P		0.011	0.011	MG/L	0.002	7/24/2008	16:30	YW
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	351.2	TOTAL KJELDAHL NITROGEN		1.06	1.06	MG/L	0.05	7/28/2008	13:00	MWC
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	353+351	TOTAL NITROGEN		1.08	1.08	MG/L	0.05	7/28/2008	13:00	MWC/CB
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	365.3	TOTAL PHOSPHORUS AS P		0.051	0.051	MG/L	0.002	7/25/2008	10:00	YW
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	SM2540D	TOTAL SUSPENDED SOLIDS		3.75	3.75	MG/L	0.570	7/29/2008	09:00	CB
8070739	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	7/23/2008	426	180.1	TURBIDITY		3.3	3.30	NTU	0.05	7/24/2008	15:20	RK
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	SM4500-NH3C	AMMONIA NITROGEN		0.044	0.044	MG/L	0.005	7/29/2008	10:30	YW
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	445.0	CHLOROPHYLL A	C	40.2	40.2 C	MG/M3	0.25	7/28/2008	09:00	RK
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	7/30/2008	10:00	CB
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	365.3	ORTHO PHOSPHORUS AS P		0.037	0.037	MG/L	0.002	7/25/2008	17:52	YW
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	SM2520B	SALINITY		0.4	0.400	G/KG	0.217	7/29/2008	15:30	RK
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	SM2540C	TOTAL DISSOLVED SOLIDS		528	528	MG/L	7.26	7/30/2008	17:00	CB
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	351.2	TOTAL KJELDAHL NITROGEN		0.962	0.962	MG/L	0.05	7/28/2008	13:00	MWC
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	353+351	TOTAL NITROGEN		0.962	0.962	MG/L	0.05	7/30/2008	10:00	MWC/CB
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	365.3	TOTAL PHOSPHORUS AS P		0.114	0.114	MG/L	0.002	7/28/2008	11:00	YW
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	SM2540D	TOTAL SUSPENDED SOLIDS		5.2	5.20	MG/L	0.570	7/29/2008	09:00	CB
8070764	FDEP LONG TERM DISCHARGE STUDY	QV-L29	7/24/2008	635	180.1	TURBIDITY		4.5	4.50	NTU	0.05	7/25/2008	14:30	RK
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	SM4500-NH3C	AMMONIA NITROGEN		0.121	0.121	MG/L	0.005	8/28/2008	15:30	JL
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	SM4500-NH3C	AMMONIA NITROGEN		0.503	0.503	MG/L	0.005	8/28/2008	15:30	JL
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	445.0	CHLOROPHYLL A	C	17.6	17.6 C	MG/M3	0.25	8/27/2008	09:00	RK
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	445.0	CHLOROPHYLL A	C	55	55.0 C	MG/M3	0.25	8/27/2008	09:00	RK
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	353.2	NITRATE+NITRITE AS N	I	0.012	0.012 I	MG/L	0.004	8/26/2008	10:30	CB
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	353.2	NITRATE+NITRITE AS N		0.037	0.037	MG/L	0.004	8/26/2008	10:30	CB
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	365.3	ORTHO PHOSPHORUS AS P		0.051	0.051	MG/L	0.002	8/22/2008	16:55	TDT
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	365.3	ORTHO PHOSPHORUS AS P		0.304	0.304	MG/L	0.002	8/22/2008	16:55	TDT
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	351.2	TOTAL KJELDAHL NITROGEN		0.701	0.701	MG/L	0.05	8/25/2008	10:00	MWC
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	351.2	TOTAL KJELDAHL NITROGEN		2.1	2.10	MG/L	0.05	8/25/2008	10:00	MWC
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	353+351	TOTAL NITROGEN		0.713	0.713	MG/L	0.05	8/26/2008	10:30	MWC/CB
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	353+351	TOTAL NITROGEN		2.14	2.14	MG/L	0.05	8/26/2008	10:30	MWC/CB
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	365.3	TOTAL PHOSPHORUS AS P		0.086	0.086	MG/L	0.002	8/26/2008	12:10	TDT
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	365.3	TOTAL PHOSPHORUS AS P		0.431	0.431	MG/L	0.002	8/26/2008	12:10	TDT
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	SM2540D	TOTAL SUSPENDED SOLIDS	U	0.57	0.570 U	MG/L	0.570	8/22/2008	15:00	CB
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	SM2540D	TOTAL SUSPENDED SOLIDS		13.2	13.2	MG/L	0.570	8/22/2008	15:00	CB
8080678	FDEP LONG TERM DISCHARGE STUDY	QB-1	8/21/2008	1706	180.1	TURBIDITY		1.13	1.13	NTU	0.05	8/22/2008	14:45	RK
8080678	FDEP LONG TERM DISCHARGE STUDY	QS-1	8/21/2008	1630	180.1	TURBIDITY		6.7	6.70	NTU	0.05	8/22/2008	14:45	RK
8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	SM4500-NH3C	AMMONIA NITROGEN		0.117	0.117	MG/L	0.005	8/29/2008	16:00	JL
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	SM4500-NH3C	AMMONIA NITROGEN		0.117	0.117	MG/L	0.005	8/29/2008	16:00	JL
8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	445.0	CHLOROPHYLL A	C	39.4	39.4 C	MG/M3	0.25	8/27/2008	09:00	RK
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	445.0	CHLOROPHYLL A	C	39.4	39.4 C	MG/M3	0.25	8/27/2008	09:00	RK
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	353.2	NITRATE+NITRITE		0.102	0.102	MG/L	0.004	8/26/2008	10:30	CB
8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	353.2	NITRATE+NITRITE AS N		0.102	0.102	MG/L	0.004	8/26/2008	10:30	CB
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	365.3	ORTHO PHOSPHORUS		0.099	0.099	MG/L	0.002	8/22/2008	16:55	TDT
8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	365.3	ORTHO PHOSPHORUS AS P		0.099	0.099	MG/L	0.002	8/22/2008	16:55	TDT
8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	351.2	TOTAL KJELDAHL NITROGEN		0.941	0.941	MG/L	0.05	8/25/2008	10:00	MWC
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	351.2	TOTAL KJELDAHL NITROGEN		0.941	0.941	MG/L	0.05	8/25/2008	10:00	MWC
8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	353+351	TOTAL NITROGEN		1.04	1.04	MG/L	0.05	8/26/2008	10:30	MWC/CB
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	353+351	TOTAL NITROGEN		1.04	1.04	MG/L	0.05	8/26/2008	10:30	MWC/CB
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	365.3	TOTAL PHOSPHORUS		0.193	0.193	MG/L	0.002	8/26/2008	12:10	TDT
8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	365.3	TOTAL PHOSPHORUS AS P		0.193	0.193	MG/L	0.002	8/26/2008	12:10	TDT
8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	SM2540D	TOTAL SUSPENDED SOLIDS		13.5	13.5	MG/L	0.570	8/22/2008	15:00	CB
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	SM2540D	TOTAL SUSPENDED SOLIDS		13.5	13.5	MG/L	0.570	8/22/2008	15:00	CB

8080681	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/20/2008	1750	180.1	TURBIDITY		9.9	9.90	NTU	0.05	8/22/2008	14:45	RK
8080681	FDEP LONG TERM DISCHARGE STUDY	QT-2	8/20/2008	1750	180.1	TURBIDITY		9.9	9.90	NTU	0.05	8/22/2008	14:45	RK
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	SM4500-NH3C	AMMONIA NITROGEN		0.063	0.063	MG/L	0.005	9/8/2008	15:00	YW
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	445.0	CHLOROPHYLL A	C	45.7	45.7 C	MG/M3	0.25	9/3/2008	14:00	RK
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	8/28/2008	09:30	CB
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	365.3	ORTHO PHOSPHORUS AS P		0.062	0.062	MG/L	0.002	8/27/2008	15:30	TDT
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	351.2	TOTAL KJELDAHL NITROGEN		1.11	1.11	MG/L	0.05	9/4/2008	10:45	MWC
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	353+351	TOTAL NITROGEN		1.11	1.11	MG/L	0.05	9/4/2008	10:45	MWC/CB
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	365.3	TOTAL PHOSPHORUS AS P		0.167	0.167	MG/L	0.002	8/28/2008	13:00	TDT
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	SM2540D	TOTAL SUSPENDED SOLIDS		5.6	5.60	MG/L	0.570	8/27/2008	16:00	CB
8080844	FDEP LONG TERM DISCHARGE STUDY	QV-L29	8/26/2008	1506	180.1	TURBIDITY		3.7	3.70	NTU	0.05	8/27/2008	16:05	RK
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	SM4500-NH3C	AMMONIA NITROGEN		0.111	0.111	MG/L	0.005	9/10/2008	16:07	YW
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	445.0	CHLOROPHYLL A	C	13.7	13.7 C	MG/M3	0.25	9/4/2008	14:30	RK
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	353.2	NITRATE+NITRITE AS N	I	0.005	0.005 I	MG/L	0.004	9/3/2008	10:30	CB
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	365.3	ORTHO PHOSPHORUS AS P		0.01	0.010	MG/L	0.002	8/29/2008	15:30	TDT
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	351.2	TOTAL KJELDAHL NITROGEN		1.3	1.30	MG/L	0.05	9/10/2008	13:00	MWC
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	353+351	TOTAL NITROGEN		1.31	1.31	MG/L	0.05	9/10/2008	13:00	MWC/CB
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	365.3	TOTAL PHOSPHORUS AS P		0.049	0.049	MG/L	0.002	9/5/2008	13:10	YW
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	SM2540D	TOTAL SUSPENDED SOLIDS		3	3.00	MG/L	0.570	9/4/2008	08:45	CB
8080906	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	8/28/2008	1012	180.1	TURBIDITY		2.1	2.10	NTU	0.05	8/29/2008	15:50	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	SM4500-NH3C	AMMONIA NITROGEN		0.13	0.130	MG/L	0.005	9/17/2008	15:30	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	SM4500-NH3C	AMMONIA NITROGEN		0.24	0.240	MG/L	0.005	9/17/2008	15:30	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	SM4500-NH3C	AMMONIA NITROGEN		0.229	0.229	MG/L	0.005	9/17/2008	15:30	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	SM4500-NH3C	AMMONIA NITROGEN		0.103	0.103	MG/L	0.005	9/17/2008	15:30	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	SM4500-NH3C	AMMONIA NITROGEN		0.086	0.086	MG/L	0.005	9/17/2008	15:30	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	SM4500-NH3C	AMMONIA NITROGEN		0.202	0.202	MG/L	0.005	9/17/2008	15:30	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	300.0	CHLORIDE		69.8	69.8	MG/L	0.353	9/16/2008	16:24	JSM
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	300.0	CHLORIDE		105	105	MG/L	0.353	9/16/2008	16:24	JSM
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	300.0	CHLORIDE		166	166	MG/L	0.353	9/16/2008	16:24	JSM
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	300.0	CHLORIDE		8.34	8.34	MG/L	0.353	9/18/2008	16:00	JSM
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	300.0	CHLORIDE		8.28	8.28	MG/L	0.353	9/16/2008	16:24	JSM
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	300.0	CHLORIDE		156	156	MG/L	0.353	9/16/2008	16:24	JSM
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	445.0	CHLOROPHYLL A	C	20	20.0 C	MG/M3	0.25	9/18/2008	09:30	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	445.0	CHLOROPHYLL A	C	78.3	78.3 C	MG/M3	0.25	9/18/2008	09:30	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	445.0	CHLOROPHYLL A	C	21.1	21.1 C	MG/M3	0.25	9/18/2008	09:30	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	445.0	CHLOROPHYLL A	C	23	23.0 C	MG/M3	0.25	9/18/2008	09:30	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	445.0	CHLOROPHYLL A	C	97.7	97.7 C	MG/M3	0.25	9/18/2008	09:30	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	445.0	CHLOROPHYLL A	C	41.3	41.3 C	MG/M3	0.25	9/18/2008	09:30	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	SM3113B	COPPER		2.54	2.54	UG/L	0.346	9/19/2008	10:17	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	SM3113B	COPPER		12.4	12.4	UG/L	0.346	9/19/2008	10:17	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	SM3113B	COPPER		3.02	3.02	UG/L	0.346	9/19/2008	10:17	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	SM3113B	COPPER		3.37	3.37	UG/L	0.346	9/19/2008	10:17	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	SM3113B	COPPER		2.33	2.33	UG/L	0.346	9/19/2008	10:17	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	SM3113B	COPPER	I	0.729	0.729 I	UG/L	0.346	9/19/2008	10:17	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	200.7	IRON		176	176	UG/L	29	9/16/2008	10:52	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	200.7	IRON	I	112	112 I	UG/L	29	9/16/2008	10:52	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	200.7	IRON		168	168	UG/L	29	9/16/2008	10:52	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	200.7	IRON	I	78	78.0 I	UG/L	29	9/16/2008	10:52	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	200.7	IRON	I	36.8	36.8 I	UG/L	29	9/16/2008	10:52	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	200.7	IRON		332	332	UG/L	29	9/16/2008	10:52	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	9/16/2008	10:24	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	9/16/2008	10:24	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	9/16/2008	10:24	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	9/16/2008	10:24	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	9/16/2008	10:24	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	9/16/2008	10:24	JG
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	353.2	NITRATE+NITRITE AS N		0.022	0.022	MG/L	0.004	9/16/2008	10:00	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	353.2	NITRATE+NITRITE AS N		0.035	0.035	MG/L	0.004	9/16/2008	10:00	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	353.2	NITRATE+NITRITE AS N		0.04	0.040	MG/L	0.004	9/16/2008	10:00	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	353.2	NITRATE+NITRITE AS N	I	0.008	0.008 I	MG/L	0.004	9/16/2008	10:00	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	353.2	NITRATE+NITRITE AS N		0.019	0.019	MG/L	0.004	9/16/2008	10:00	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	353.2	NITRATE+NITRITE AS N	I	0.008	0.008 I	MG/L	0.004	9/16/2008	10:00	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	365.3	ORTHO PHOSPHORUS AS P		0.042	0.042	MG/L	0.002	9/12/2008	16:25	YW

8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	365.3	ORTHO PHOSPHORUS AS P		0.294	0.294	MG/L	0.002	9/12/2008	16:25	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	365.3	ORTHO PHOSPHORUS AS P		0.017	0.017	MG/L	0.002	9/12/2008	16:25	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	365.3	ORTHO PHOSPHORUS AS P		0.027	0.027	MG/L	0.002	9/12/2008	16:25	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	365.3	ORTHO PHOSPHORUS AS P		0.022	0.022	MG/L	0.002	9/12/2008	16:25	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	365.3	ORTHO PHOSPHORUS AS P		0.051	0.051	MG/L	0.002	9/12/2008	16:25	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	SM2340C	TOTAL HARDNESS (CACO3)		168	168	MG/L	0.682	9/18/2008	08:00	CUS
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	SM2340C	TOTAL HARDNESS (CACO3)		205	205	MG/L	0.682	9/18/2008	08:00	CUS
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	SM2340C	TOTAL HARDNESS (CACO3)		299	299	MG/L	0.682	9/18/2008	08:00	CUS
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	SM2340C	TOTAL HARDNESS (CACO3)		167	167	MG/L	0.682	9/18/2008	08:00	CUS
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	SM2340C	TOTAL HARDNESS (CACO3)		168	168	MG/L	0.682	9/18/2008	08:00	CUS
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	SM2340C	TOTAL HARDNESS (CACO3)		318	318	MG/L	0.682	9/18/2008	08:00	CUS
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	351.2	TOTAL KJELDAHL NITROGEN		0.837	0.837	MG/L	0.05	9/19/2008	10:00	MWC
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	351.2	TOTAL KJELDAHL NITROGEN		1.9	1.90	MG/L	0.05	9/19/2008	10:00	MWC
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	351.2	TOTAL KJELDAHL NITROGEN		1.24	1.24	MG/L	0.05	9/19/2008	10:00	MWC
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	351.2	TOTAL KJELDAHL NITROGEN		1.07	1.07	MG/L	0.05	9/19/2008	10:00	MWC
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	351.2	TOTAL KJELDAHL NITROGEN		1.35	1.35	MG/L	0.05	9/19/2008	10:00	MWC
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	351.2	TOTAL KJELDAHL NITROGEN		1.16	1.16	MG/L	0.05	9/19/2008	10:00	MWC
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	353+351	TOTAL NITROGEN		0.859	0.859	MG/L	0.05	9/19/2008	10:00	MWC/CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	353+351	TOTAL NITROGEN		1.94	1.94	MG/L	0.05	9/19/2008	10:00	MWC/CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	353+351	TOTAL NITROGEN		1.28	1.28	MG/L	0.05	9/19/2008	10:00	MWC/CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	353+351	TOTAL NITROGEN		1.08	1.08	MG/L	0.05	9/19/2008	10:00	MWC/CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	353+351	TOTAL NITROGEN		1.37	1.37	MG/L	0.05	9/19/2008	10:00	MWC/CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	353+351	TOTAL NITROGEN		1.17	1.17	MG/L	0.05	9/19/2008	10:00	MWC/CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	365.3	TOTAL PHOSPHORUS AS P		0.078	0.078	MG/L	0.002	9/16/2008	14:20	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	365.3	TOTAL PHOSPHORUS AS P		0.427	0.427	MG/L	0.002	9/16/2008	14:20	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	365.3	TOTAL PHOSPHORUS AS P		0.063	0.063	MG/L	0.002	9/16/2008	14:20	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	365.3	TOTAL PHOSPHORUS AS P		0.084	0.084	MG/L	0.002	9/16/2008	14:20	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	365.3	TOTAL PHOSPHORUS AS P		0.112	0.112	MG/L	0.002	9/16/2008	14:20	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	365.3	TOTAL PHOSPHORUS AS P		0.107	0.107	MG/L	0.002	9/16/2008	14:20	YW
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	SM2540G	TOTAL SUSPENDED SOLIDS		2.4	2.40	MG/L	1	9/17/2008	08:45	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	SM2540G	TOTAL SUSPENDED SOLIDS		12.8	12.8	MG/L	1	9/17/2008	08:45	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	SM2540G	TOTAL SUSPENDED SOLIDS		6	6.00	MG/L	1	9/17/2008	08:45	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	SM2540G	TOTAL SUSPENDED SOLIDS		11	11.0	MG/L	1	9/17/2008	08:45	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	SM2540G	TOTAL SUSPENDED SOLIDS		8.8	8.80	MG/L	1	9/17/2008	08:45	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	SM2540G	TOTAL SUSPENDED SOLIDS		4.6	4.60	MG/L	1	9/17/2008	08:45	CB
8090433	FDEP LONG TERM DISCHARGE STUDY	QB-1	9/11/2008	1005	180.1	TURBIDITY		17.8	17.8	NTU	0.05	9/12/2008	15:20	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QS-1	9/11/2008	1552	180.1	TURBIDITY		1.9	1.90	NTU	0.05	9/12/2008	15:20	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	9/11/2008	1306	180.1	TURBIDITY		4.6	4.60	NTU	0.05	9/12/2008	15:20	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1B	9/11/2008	1700	180.1	TURBIDITY		7.9	7.90	NTU	0.05	9/12/2008	15:20	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QT-1T	9/11/2008	1630	180.1	TURBIDITY		6.2	6.20	NTU	0.05	9/12/2008	15:20	RK
8090433	FDEP LONG TERM DISCHARGE STUDY	QV-L29	9/11/2008	932	180.1	TURBIDITY		2.9	2.90	NTU	0.05	9/12/2008	15:20	RK
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	SM4500-NH3C	AMMONIA NITROGEN		0.082	0.082	MG/L	0.005	10/1/2008	15:10	YW
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	445.0	CHLOROPHYLL A	C	18.3	18.3 C	MG/M3	0.25	9/29/2008	09:30	RK
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	SM3113B	COPPER		2.68	2.68	UG/L	0.346	9/25/2008	16:10	JG
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	200.7	IRON		255	255	UG/L	29	9/24/2008	10:55	JG
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	SM3113B	LEAD	I	1.7	1.70 I	UG/L	0.670	9/26/2008	08:58	JG
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	353.2	NITRATE+NITRITE AS N	I	0.008	0.008 I	MG/L	0.004	9/24/2008	11:00	CB
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	365.3	ORTHO PHOSPHORUS AS P		0.025	0.025	MG/L	0.002	9/24/2008	10:09	YW
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	SM2340B	TOTAL HARDNESS (CACO3)		261	261	MG/KG	0.682	9/24/2008	10:55	JG
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	351.2	TOTAL KJELDAHL NITROGEN		0.694	0.694	MG/L	0.05	9/29/2008	11:15	MWC
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	353+351	TOTAL NITROGEN		0.702	0.702	MG/L	0.05	9/29/2008	11:15	MWC/CB
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	365.3	TOTAL PHOSPHORUS AS P		0.064	0.064	MG/L	0.002	9/25/2008	14:30	YW
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	SM2540G	TOTAL SUSPENDED SOLIDS		3.8	3.80	MG/L	1	9/25/2008	13:50	AC
8090743	FDEP LONG TERM DISCHARGE STUDY	QM-2	9/22/2008	1730	180.1	TURBIDITY		3	3.00	NTU	0.05	9/24/2008	16:25	RK
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	SM4500-NH3C	AMMONIA NITROGEN		0.172	0.172	MG/L	0.005	10/10/2008	13:00	JL
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	SM4500-NH3C	AMMONIA NITROGEN		0.027	0.027	MG/L	0.005	10/10/2008	13:00	JL
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	445.0	CHLOROPHYLL A	C	39.7	39.7 C	MG/M3	0.25	10/13/2008	08:50	RK
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	445.0	CHLOROPHYLL A	C	60.8	60.8 C	MG/M3	0.25	10/13/2008	08:50	RK
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	SM3113B	COPPER		7.51	7.51	UG/L	0.346	10/17/2008	09:49	JG
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	SM3113B	COPPER		1.61	1.61	UG/L	0.346	10/17/2008	09:49	JG
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	200.7	IRON	I	60.0	60.0 I	UG/L	29	10/16/2008	10:30	JG
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	200.7	IRON		164	164	UG/L	29	10/16/2008	10:30	JG
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	10/15/2008	12:52	JG

8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	10/15/2008	12:52	JG
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	10/9/2008	11:00	CB
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	10/9/2008	11:00	CB
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	365.3	ORTHO PHOSPHORUS AS P		0.263	0.263	MG/L	0.002	10/8/2008	17:32	YW
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	365.3	ORTHO PHOSPHORUS AS P		0.016	0.016	MG/L	0.002	10/8/2008	17:32	YW
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	SM2340C	TOTAL HARDNESS (CACO3)		206	206	MG/L	0.682	10/16/2008	17:00	CUS
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	SM2340C	TOTAL HARDNESS (CACO3)		296	296	MG/L	0.682	10/16/2008	17:00	CUS
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	351.2	TOTAL KJELDAHL NITROGEN		1.38	1.38	MG/L	0.05	10/16/2008	11:00	MWC
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	351.2	TOTAL KJELDAHL NITROGEN		1.21	1.21	MG/L	0.05	10/16/2008	11:00	MWC
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	353+351	TOTAL NITROGEN		1.38	1.38	MG/L	0.05	10/16/2008	11:00	MWC/CB
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	353+351	TOTAL NITROGEN		1.21	1.21	MG/L	0.05	10/16/2008	11:00	MWC/CB
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	365.3	TOTAL PHOSPHORUS AS P		0.345	0.345	MG/L	0.002	10/14/2008	14:10	YW
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	365.3	TOTAL PHOSPHORUS AS P		0.101	0.101	MG/L	0.002	10/14/2008	14:10	YW
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	SM2540D	TOTAL SUSPENDED SOLIDS		9.80	9.80	MG/L	1	10/13/2008	10:00	AC
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	SM2540D	TOTAL SUSPENDED SOLIDS		3.80	3.80	MG/L	1	10/13/2008	10:00	AC
8100284	FDEP LONG TERM DISCHARGE STUDY	QS-1	10/6/2008	2016	180.1	TURBIDITY		13.5	13.5	NTU	0.05	10/8/2008	16:55	RK
8100284	FDEP LONG TERM DISCHARGE STUDY	QV-L29	10/6/2008	2038	180.1	TURBIDITY		3.20	3.20	NTU	0.05	10/8/2008	16:55	RK
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	SM4500-NH3C	AMMONIA NITROGEN	I	0.017	0.017 I	MG/L	0.005	10/10/2008	13:00	JL
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	300.0	CHLORIDE		77.6	77.6	MG/L	0.353	10/21/2008	14:48	JSM
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	445.0	CHLOROPHYLL A	C	38	38.0 C	MG/M3	0.25	10/14/2008	07:30	RK
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	SM3113B	COPPER		5.35	5.35	UG/L	0.346	10/17/2008	09:49	JG
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	200.7	IRON		104	104	UG/L	29	10/16/2008	10:30	JG
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	10/15/2008	12:52	JG
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	10/13/2008	10:30	CB
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	365.3	ORTHO PHOSPHORUS AS P		0.012	0.012	MG/L	0.002	10/9/2008	17:17	YW
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	SM2340C	TOTAL HARDNESS (CACO3)		187	187	MG/L	0.682	10/15/2008	08:00	CUS
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	351.2	TOTAL KJELDAHL NITROGEN		0.906	0.906	MG/L	0.05	10/17/2008	11:30	MWC
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	353+351	TOTAL NITROGEN		0.906	0.906	MG/L	0.05	10/17/2008	11:30	MWC/CB
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	365.3	TOTAL PHOSPHORUS AS P		0.064	0.064	MG/L	0.002	10/14/2008	14:10	YW
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	SM2540D	TOTAL SUSPENDED SOLIDS		2.6	2.60	MG/L	0.570	10/13/2008	10:00	AC
8100328	FDEP LONG TERM DISCHARGE STUDY	QB-1	10/7/2008	2049	180.1	TURBIDITY		1.74	1.74	NTU	0.05	10/9/2008	16:00	AC
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	SM4500-NH3C	AMMONIA NITROGEN		0.053	0.053	MG/L	0.005	10/10/2008	13:00	JL
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	300.0	CHLORIDE		23.2	23.2	MG/L	0.353	10/21/2008	14:48	JSM
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	445.0	CHLOROPHYLL A	C	40.1	40.1 C	MG/M3	0.25	10/14/2008	07:30	RK
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	SM3113B	COPPER		7.04	7.04	UG/L	0.346	10/17/2008	09:49	JG
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	200.7	IRON		775	775	UG/L	29	10/16/2008	10:30	JG
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	10/15/2008	12:52	JG
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	10/13/2008	10:30	CB
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	365.3	ORTHO PHOSPHORUS AS P		0.018	0.018	MG/L	0.002	10/9/2008	17:17	YW
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	SM2340C	TOTAL HARDNESS (CACO3)		274	274	MG/L	0.682	10/15/2008	08:00	CUS
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	351.2	TOTAL KJELDAHL NITROGEN		0.724	0.724	MG/L	0.05	10/17/2008	11:30	MWC
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	353+351	TOTAL NITROGEN		0.724	0.724	MG/L	0.05	10/17/2008	11:30	MWC/CB
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	365.3	TOTAL PHOSPHORUS AS P		0.064	0.064	MG/L	0.002	10/14/2008	14:10	YW
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	SM2540D	TOTAL SUSPENDED SOLIDS		15.2	15.2	MG/L	0.570	10/13/2008	10:00	AC
8100328	FDEP LONG TERM DISCHARGE STUDY	QM-2	10/8/2008	1051	180.1	TURBIDITY		8.3	8.30	NTU	0.05	10/9/2008	16:00	AC
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	SM4500-NH3C	AMMONIA NITROGEN		0.391	0.391	MG/L	0.005	10/15/2008	16:50	YW
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	300.0	CHLORIDE		364	364	MG/L	0.353	10/24/2008	15:51	JSM
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	445.0	CHLOROPHYLL A	C	14.7	14.7 C	MG/M3	0.25	10/15/2008	07:30	RK
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	SM3113B	COPPER		3.78	3.78	UG/L	0.346	10/17/2008	09:49	JG
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	200.7	IRON		123	123	UG/L	29	10/16/2008	10:30	JG
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	10/15/2008	12:52	JG
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	353.2	NITRATE+NITRITE AS N		0.086	0.086	MG/L	0.004	10/13/2008	10:30	CB
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	365.3	ORTHO PHOSPHORUS AS P	I	0.007	0.007 I	MG/L	0.002	10/10/2008	14:57	YW
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	SM2340C	TOTAL HARDNESS (CACO3)		319	319	MG/L	0.682	10/15/2008	08:00	CUS
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	351.2	TOTAL KJELDAHL NITROGEN		1.03	1.03	MG/L	0.05	10/20/2008	10:00	MWC
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	353+351	TOTAL NITROGEN		1.12	1.12	MG/L	0.05	10/20/2008	10:00	MWC/CB
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	365.3	TOTAL PHOSPHORUS AS P		0.036	0.036	MG/L	0.002	10/14/2008	14:10	YW
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	SM2540D	TOTAL SUSPENDED SOLIDS	I	1.2	1.20 I	MG/L	0.570	10/13/2008	10:00	AC
8100364	FDEP LONG TERM DISCHARGE STUDY	QSWP-1	10/10/2008	0904	180.1	TURBIDITY		1.93	1.93	NTU	0.05	10/10/2008	13:40	RK
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	SM4500-NH3C	AMMONIA NITROGEN		0.078	0.078	MG/L	0.005	12/4/2008	14:00	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	SM4500-NH3C	AMMONIA NITROGEN		0.062	0.062	MG/L	0.005	12/4/2008	14:00	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	SM4500-NH3C	AMMONIA NITROGEN		0.066	0.066	MG/L	0.005	12/4/2008	14:00	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	SM4500-NH3C	AMMONIA NITROGEN		0.051	0.051	MG/L	0.005	12/4/2008	14:00	YW

8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	300.0	CHLORIDE		22.3	22.3	MG/L	0.353	12/1/2008	17:25	JSM
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	300.0	CHLORIDE		22.1	22.1	MG/L	0.353	12/1/2008	17:25	JSM
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	300.0	CHLORIDE		12.4	12.4	MG/L	0.353	12/1/2008	17:25	JSM
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	300.0	CHLORIDE		12.2	12.2	MG/L	0.353	12/1/2008	17:25	JSM
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	445.0	CHLOROPHYLL A		27.3	27.3	MG/M3	0.25	12/1/2008	08:20	RK
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	445.0	CHLOROPHYLL A		21.3	21.3	MG/M3	0.25	12/1/2008	08:20	RK
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	445.0	CHLOROPHYLL A		24.6	24.6	MG/M3	0.25	12/1/2008	08:20	RK
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	445.0	CHLOROPHYLL A		37.9	37.9	MG/M3	0.25	12/1/2008	08:20	RK
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	SM3113B	COPPER		1.75	1.75	UG/L	0.346	12/2/2008	14:26	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	SM3113B	COPPER		1.8	1.80	UG/L	0.346	12/2/2008	14:26	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	SM3113B	COPPER		3.54	3.54	UG/L	0.346	12/2/2008	14:26	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	SM3113B	COPPER		3.45	3.45	UG/L	0.346	12/2/2008	14:26	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	200.7	IRON		260	260	UG/L	29	12/3/2008	10:28	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	200.7	IRON		223	223	UG/L	29	12/3/2008	10:28	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	200.7	IRON	I	68.3	68.3 I	UG/L	29	12/3/2008	10:28	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	200.7	IRON	I	59	59.0 I	UG/L	29	12/3/2008	10:28	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	12/1/2008	12:17	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	12/1/2008	12:17	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	12/1/2008	12:17	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	SM3113B	LEAD	U	0.670	0.670 U	UG/L	0.670	12/1/2008	12:17	JG
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	12/2/2008	09:00	CB
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	353.2	NITRATE+NITRITE AS N	I	0.004	0.004 I	MG/L	0.004	12/2/2008	09:00	CB
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	12/2/2008	09:00	CB
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	353.2	NITRATE+NITRITE AS N	U	0.004	0.004 U	MG/L	0.004	12/2/2008	09:00	CB
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	365.3	ORTHO PHOSPHORUS AS P		0.029	0.029	MG/L	0.002	11/25/2008	17:03	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	365.3	ORTHO PHOSPHORUS AS P		0.032	0.032	MG/L	0.002	11/25/2008	17:03	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	365.3	ORTHO PHOSPHORUS AS P		0.022	0.022	MG/L	0.002	11/25/2008	17:03	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	365.3	ORTHO PHOSPHORUS AS P		0.021	0.021	MG/L	0.002	11/25/2008	17:03	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	SM2340C	TOTAL HARDNESS (CACO3)		267	267	MG/L	0.682	12/5/2008	08:00	CUS
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	SM2340C	TOTAL HARDNESS (CACO3)		268	268	MG/L	0.682	12/5/2008	08:00	CUS
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	SM2340C	TOTAL HARDNESS (CACO3)		245	245	MG/L	0.682	12/5/2008	08:00	CUS
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	SM2340C	TOTAL HARDNESS (CACO3)		242	242	MG/L	0.682	12/5/2008	08:00	CUS
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	351.2	TOTAL KJELDAHL NITROGEN		0.594	0.594	MG/L	0.05	12/1/2008	09:30	MWC
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	351.2	TOTAL KJELDAHL NITROGEN		0.543	0.543	MG/L	0.05	12/1/2008	09:30	MWC
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	351.2	TOTAL KJELDAHL NITROGEN		0.98	0.980	MG/L	0.05	12/1/2008	09:30	MWC
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	351.2	TOTAL KJELDAHL NITROGEN		1.21	1.21	MG/L	0.05	12/1/2008	09:30	MWC
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	353+351	TOTAL NITROGEN		0.594	0.594	MG/L	0.05	12/2/2008	09:00	MWC/CB
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	353+351	TOTAL NITROGEN		0.547	0.547	MG/L	0.05	12/2/2008	09:00	MWC/CB
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	353+351	TOTAL NITROGEN		0.98	0.980	MG/L	0.05	12/2/2008	09:00	MWC/CB
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	353+351	TOTAL NITROGEN		1.21	1.21	MG/L	0.05	12/2/2008	09:00	MWC/CB
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	365.3	TOTAL PHOSPHORUS AS P		0.033	0.033	MG/L	0.002	12/3/2008	14:00	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	365.3	TOTAL PHOSPHORUS AS P		0.04	0.040	MG/L	0.002	12/3/2008	14:00	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	365.3	TOTAL PHOSPHORUS AS P		0.043	0.043	MG/L	0.002	12/3/2008	14:00	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	365.3	TOTAL PHOSPHORUS AS P		0.046	0.046	MG/L	0.002	12/3/2008	14:00	YW
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	SM2540D	TOTAL SUSPENDED SOLIDS		4.2	4.20	MG/L	0.570	11/26/2008	08:30	AC
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	SM2540D	TOTAL SUSPENDED SOLIDS		3.4	3.40	MG/L	0.570	11/26/2008	08:30	AC
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	SM2540D	TOTAL SUSPENDED SOLIDS		8	8.00	MG/L	0.570	11/26/2008	08:30	AC
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	SM2540D	TOTAL SUSPENDED SOLIDS		7.4	7.40	MG/L	0.570	11/26/2008	08:30	AC
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IB	11/24/2008	1240	180.1	TURBIDITY		3.1	3.10	NTU	0.05	11/26/2008	08:30	RK
8110717	FDEP LONG TERM DISCHARGE STUDY	QM-IT	11/24/2008	1235	180.1	TURBIDITY		2	2.00	NTU	0.05	11/26/2008	08:30	RK
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1B	11/24/2008	1515	180.1	TURBIDITY		6.7	6.70	NTU	0.05	11/26/2008	08:30	RK
8110717	FDEP LONG TERM DISCHARGE STUDY	QT-1T	11/24/2008	1415	180.1	TURBIDITY		6.2	6.20	NTU	0.05	11/26/2008	08:30	RK



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Photo taken 7/12/08 by Johnson Engineering staff showing surface water discharging from The Brooks outfall structure, Lee County, Florida.



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