

**Floogie Mitigation Project
Bertie County, North Carolina
DENR-EEP Contract No. D06011
FINAL Year 3 Monitoring Report**



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Table of Contents

1.0	SUMMARY.....	1
2.0	INTRODUCTION.....	1
2.1	Project Description	1
2.2	Project Purpose	5
2.3	Project History & Schedule	6
3.0	HYDROLOGY.....	6
3.1	Hydrologic Success Criteria	6
3.2	Description of Hydrology Monitoring Efforts.....	6
3.3	Results of Hydrology Monitoring.....	7
3.3.1	Site Data.....	9
3.3.2	Reference Data.....	11
3.3.3	Climate Data	11
3.4	Hydrologic Conclusions	12
4.0	VEGETATION.....	12
4.1	Vegetation Success Criteria	12
4.2	Description of Species and Vegetation Monitoring.....	13
4.3	Results of Vegetation Monitoring.....	13
4.4	Vegetation Observations & Conclusions	16
5.0	STREAM MONITORING	17
5.1	Stream Success Criteria	17
5.2	Stream Morphology Monitoring Plan.....	17
5.2.1	Cross Sections.....	17
5.2.2	Longitudinal Profile.....	17
5.2.3	Hydrology	17
5.2.4	Photo Reference Stations	18
5.3	Stream Morphology Monitoring Results	18
5.3.1	Hydrology	18
5.3.2	Cross Sections.....	18
5.3.3	Longitudinal Profile.....	18
5.4	Benthic Macroinvertebrate Survey Results	23
5.5	Stream Conclusions	23
6.0	CONCLUSIONS AND RECOMMENDATIONS	23

List of Figures

Figure 1. Vicinity Map	2
Figure 2. USGS Map	3
Figure 3. Monitoring Overview.....	4
Figure 4. Monitoring Results Map	8
Figure 5a. Groundwater Gauges.....	9
Figure 5b. Groundwater Gauges.....	10
Figure 5c. Groundwater Gauges.....	10
Figure 6. 2009 Precipitation Comparison.....	12
Figure 7a-c. Stream Observation Areas.....	20

List of Tables

Table 1. Project Mitigation Structure and Objectives	5
Table 2. Project Activity and Reporting History	6
Table 3. Project Contacts.....	6
Table 4. Hydrologic Monitoring Results.....	7
Table 5. Comparison of Normal Rainfall to Observed Rainfall.....	11
Table 6. Planted Tree Species	13
Table 7. Results of 2010 Vegetation Monitoring – Planted Species by Plot.....	14
Table 8. Summary of Results	14
Table 9. Common Volunteer Woody Species	15
Table 10. Estimated Herbaceous Total Percent Cover	16
Table 11. Stream Areas Requiring Observation.....	19
Table 12. Crest Gauge Data.....	19

APPENDICES

Appendix A	As-Built Survey
Appendix B	2010 Profile and Cross Section Data
Appendix C	2010 Gauge Data
Appendix D	2010 Site Photos
Appendix E	Morphologic Parameters

1.0 SUMMARY

This Annual Report details the monitoring activities during the 2010 growing season on the Floogie Mitigation Site. Construction of the Site, including planting of trees, was completed in February 2008. The 2010 data represents results from the third year of hydrology and vegetation monitoring for both wetlands and streams.

The design for the Floogie Site involved stream restoration and riverine wetland restoration. After construction, it was determined that the project generated 11,149 feet of stream restoration and 25.19 acres of wetland restoration. The As-Built survey is included as **Appendix A**.

This Annual Report presents the data from nine automated hydrology monitoring stations, 18 vegetation monitoring plots, two crest gauges, two rain gauges, 20 cross sections, a minimum of 3,100 linear feet of profile survey, and photographic reference locations, as specified in the approved Restoration Plan for the Site.

Weather station data from the Greens Cross Weather Station were used in conjunction with manual and tipping bucket rain gauges located on the site to document precipitation amounts. The manual gauge is used to validate observations made at the automated stations. On-site rainfall measurements correlated with readings taken at the Greens Cross Weather Station throughout the growing season.

In 2010, all hydrology monitoring gauges met the seven percent hydrologic success criterion as defined in the Restoration Plan for the Site. The gauges exhibited consecutive hydroperiods ranging from 7 to 16 percent of the growing season.

In 2010, vegetation monitoring documented the survival of planted woody vegetation of between 340 and 940 stems per acre with an average of 640 stems per acre. Based on these results, the Site has achieved the interim success criterion of 320 stems per acre by the end of year three. The Site as a whole is on track to meet the final success criterion of 260-planted stems per acre by the end of year five.

Several bankfull events were recorded at the site during the 2010 growing season from crest gauges. The restored stream channel has remained stable and is providing the intended habitat and hydrologic functions. All monitored cross sections and longitudinal profile for 2010 show very little adjustment in stream dimension. There are several localized areas of erosion that are in the process of stabilizing.

2.0 INTRODUCTION

2.1 PROJECT DESCRIPTION

The Floogie Site is located nine miles northeast of Windsor (**Figure 1**). The property is 104 acres located immediately southwest of SR 1348 (Browns School Road) and is accessed via a farm road that runs adjacent to the channel (Flat Swamp Creek). Construction at the Site was completed in February 2008. Groundwater, surface water, and rain gauges were functional beginning in March 2008.

Flat Swamp Creek has a drainage area of 1,168 acres (1.83 mi²) at the upstream end of the restoration project and 2,150 acres (3.36 mi²) at the downstream end. The wetland restoration area has a drainage area of 1,456 acres (2.28 mi²). The dominant historic land use was

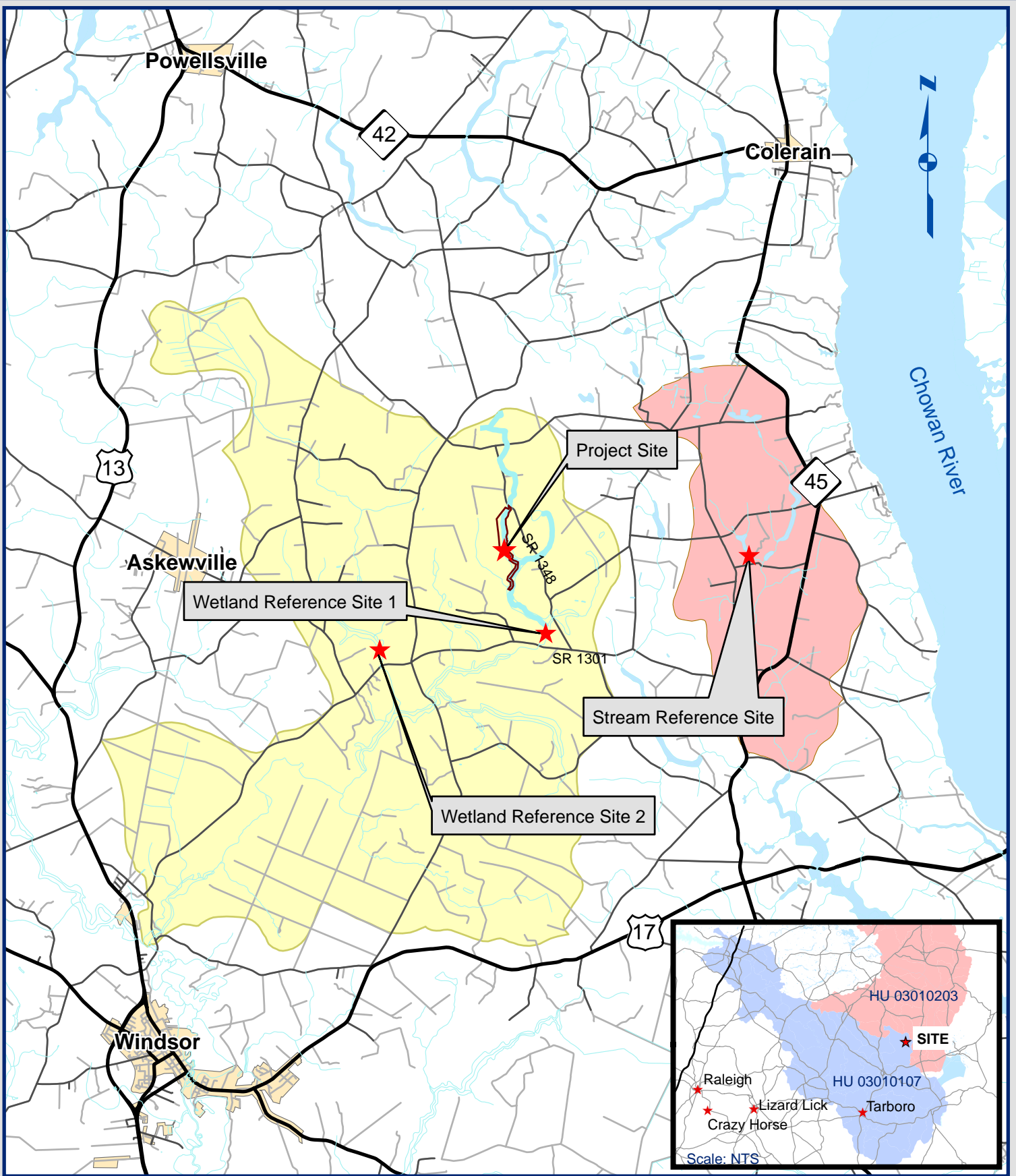
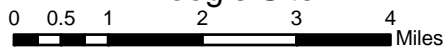
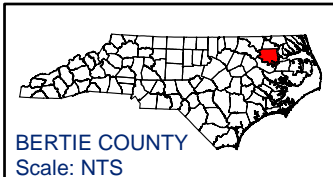


Figure 1.
Project Vicinity Map
Floodie Site



LEGEND

- NCDOT Roads
- Existing Waterbody
- HUC 03010107160050
- HUC 03010203090030



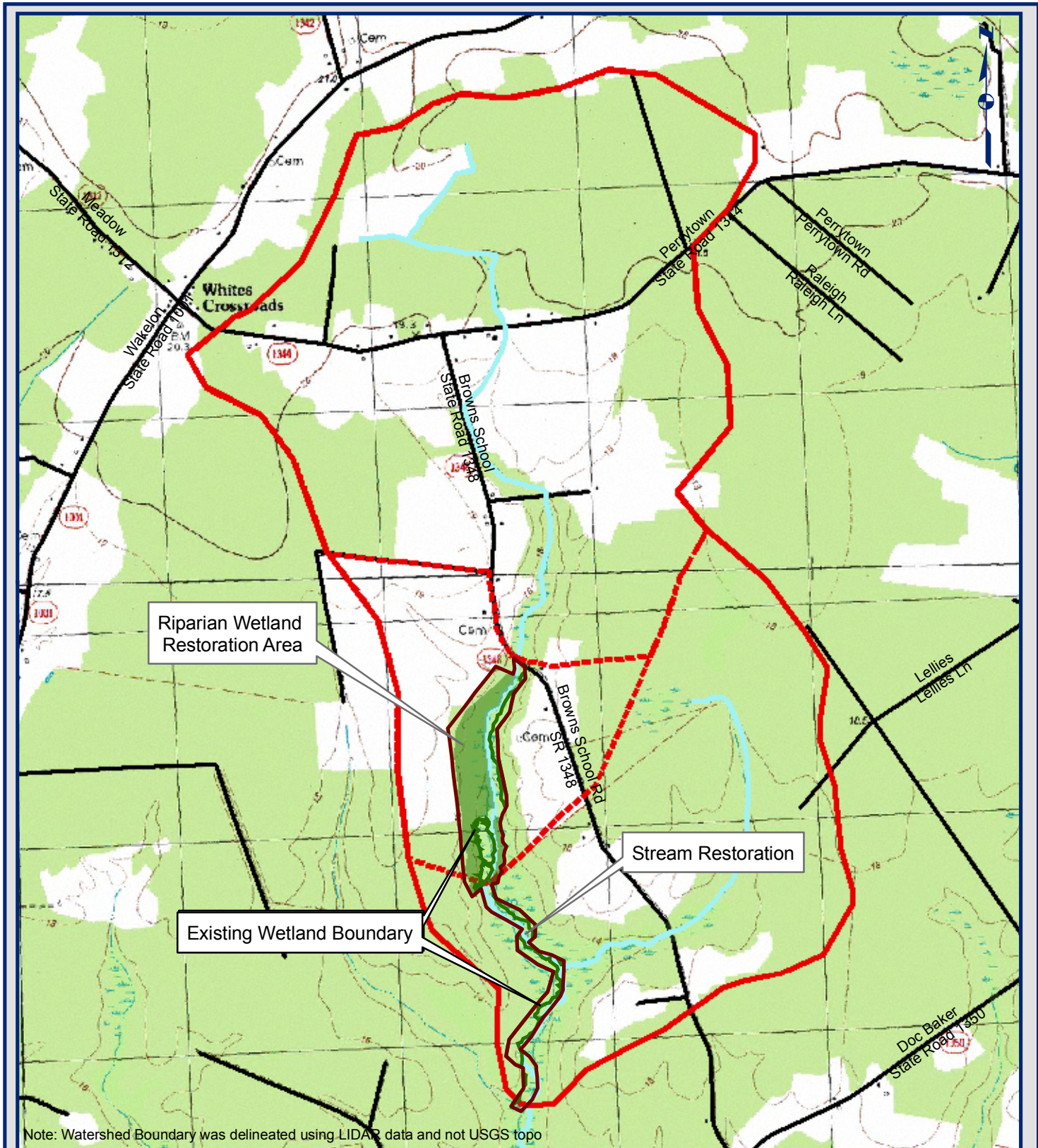
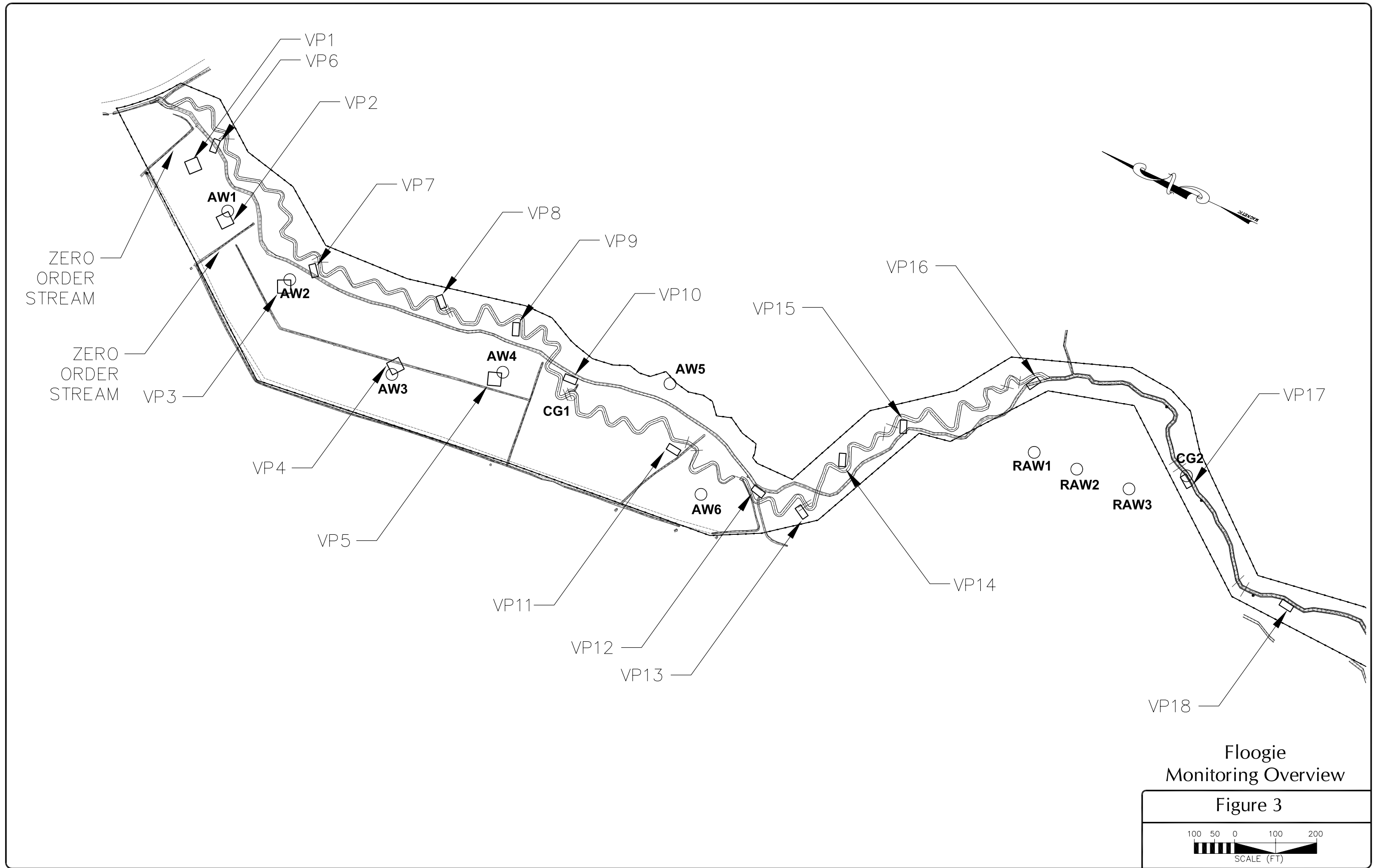


Figure 2.
USGS Quadrangle Map
Floodie Site

0 1,000 2,000 4,000
Feet

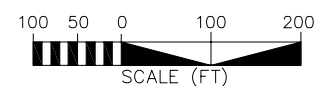
LEGEND

-  NCDOT Roads
-  Stream
-  Project Area
-  Potential Riverine Wetland Restoration
-  Watershed Boundary



Floogie
Monitoring Overview

Figure 3



agricultural production of crops including cotton, soybeans, corn, and timber, although some areas were woodlands. Natural drainage patterns throughout the watershed had been historically altered to drain wetlands and promote agricultural production as seen on the USGS Merry Hill, NC topographic quadrangle (**Figure 2**). Numerous agricultural ditches had been constructed on the Site, and streams had been channelized to route water off the Site, draining areas that were once wetland. The restoration areas are protected by a conservation easement.

2.2 PROJECT PURPOSE

The objective of this project is to produce a minimum of 11,149 stream mitigation units (SMU) and 25.19 riverine wetland mitigation units (WMU) to the NC EEP through the full delivery process in the Lower Roanoke River 03010107 hydrologic unit, and to maximize the improvement of riparian and aquatic habitats and water quality through ecological restoration practices. Stream mitigation was provided through restoration on Flat Swamp Creek. Riverine wetland mitigation was provided through restoration. The Site was identified and developed by EBX to support the NC EEP full delivery mitigation process. Monitoring of the Floogie Site is required to demonstrate successful mitigation based on the criteria found in the Restoration Plan and through a comparison to reference site conditions. The success criteria components will adhere to NC EEP and USACE guidelines. Hydrology, vegetation, and stream monitoring are conducted on an annual basis. This Annual Monitoring Report details the results of the monitoring efforts for 2010 (Year 3) at the Floogie Mitigation Site.

The as-built survey documented 11,149 linear feet of stream restoration (**Table 1**). Overbank stream flows will provide a portion of the hydrology for the wetlands. The wetland and stream restoration project will provide multiple ecological and water quality benefits within the Roanoke River Basin. Benefits include nutrient removal, sediment reduction, water storage, improved groundwater recharge, improved in-stream and riparian habitat, and restored wetland habitat. **Table 2** and **Table 3** list the project schedule and contacts, respectively.

Table 1. Project Mitigation Structure and Objectives

Reach Name	As-Built Length (ft)	Restoration Approach
Stream		
R1	2,800	Stream Restoration
R2	2,500	Stream Restoration
R3	2,400	Stream Restoration
R4	2,771	Stream Restoration
1A	322	Headwater Stream Restoration
1B	356	Headwater Stream Restoration
Total	11,149	
Wetlands		
	25.19 ac	Riverine Wetland Restoration

2.3 PROJECT HISTORY & SCHEDULE

Table 2. Project Activity and Reporting History

Month	Activity
October 2007	Construction Began
February 2008	Construction Completed
March 2008	Planting Completed
March 2008	Post Construction Monitoring Gauges Installed
April 2008	As-Built Report Submitted
August 2008	1st Annual Monitoring Report
September 2009	2nd Annual Monitoring Report
September 2010	3rd Annual Monitoring Report
September August 2011	4th Annual Monitoring Report (Scheduled)
September August 2012	5th Annual Monitoring Report (Scheduled)

Table 3. Project Contacts

Contact	Firm Information
Project Manager Norton Webster	EBX-Neuse 1, LLC (919) 608-9688
Designer Jeff Keaton, PE	WK Dickson and Co., Inc (919) 782-0495
Monitoring Contractor Daniel Ingram	WK Dickson and Co., Inc (919) 782-0495

3.0 HYDROLOGY

3.1 HYDROLOGIC SUCCESS CRITERIA

As stated in the Restoration Plan, the hydrology success criterion for the Site is to restore the water table at the site so that it will remain within 12 inches of the soil surface for at least seven percent of the growing season continuously (approximately 16 days). The growing season is from March 22 to November 8. Based on a daily minimum temperature greater than 28 degrees Fahrenheit occurring in five of ten years, the growing season for Bertie County is 232 days long. Gauge data will be compared to reference wetland well data in growing seasons with less than normal rainfall. In periods of low rainfall, if a restoration gauge hydroperiod exceeds the reference gauge hydroperiods, and both exceed five percent of the growing season, then the gauge will be deemed successful. The results of hydrology monitoring across the wetland restoration site are presented in this annual monitoring report.

3.2 DESCRIPTION OF HYDROLOGY MONITORING EFFORTS

Six automated HOBO groundwater gauges, one manual rain gauge, and one tipping bucket rain gauge were installed prior to the beginning of the first growing season (**Figure 3**). Three additional automated groundwater gauges were installed in a reference wetland. Groundwater gauges were installed to a minimum depth of 40 inches below the ground surface. The monitoring protocol for the Site specifies that automated monitoring stations will be downloaded and checked for malfunctions on a monthly basis. During monthly Site visits, each groundwater gauge is downloaded and rainfall totals are collected from the on-site rain gauge. During the 2010 growing season, all nine automated data loggers performed as expected, and no periods of missing data were encountered.

Automated Gauges

Automated groundwater gauges record water table elevations four times daily at 06:00, 12:00, 18:00, and 24:00. These automatic gauges employ pressure sensors that record water elevation above the bottom of the sensor (with atmospheric pressure compensation). The calibration water table depth is recorded at monthly downloads. To determine wetland hydroperiods, the automatically recorded data are compared to the calibration data to determine a standard correction factor between the calibration gauge and the automatic gauge for each location. The standard correction factor is applied to correct daily readings. The corrected daily readings are then used to determine wetland hydroperiods.

Data Interpretation

Wetland hydroperiods are calculated from four daily water table depth elevations. A hydroperiod is calculated if the water table is equal to or less than 12 inches below ground surface for at least 24 hours. If a gauge falls below -12 inches for four consecutive readings (24 hours) then the hydroperiod ends at the last reading within 12 inches of the ground surface. If a gauge falls below -12 inches for only one reading then maintains a reading above -12 inches for a minimum of 24 hours, the hydroperiod is calculated continuously. This methodology accounts for minor anomalies experienced by the automatic gauges.

3.3 RESULTS OF HYDROLOGY MONITORING

The following hydroperiod statistics were calculated for each monitoring station during the growing season: 1) most consecutive days that the water table was within 12 inches of the surface; 2) cumulative number of days that the water table was within 12 inches of the soil surface; and 3) number of times that the water table rose to within 12 inches of the soil surface (**Table 4**). Depth of groundwater for each of the monitoring gauges is shown in a graph with precipitation (**Figures 5a-5c**). This hydrograph demonstrates the reaction at each monitoring location of the groundwater level to specific rainfall events. Raw hydrograph data collected from the monitoring gauges is provided in **Appendix C**.

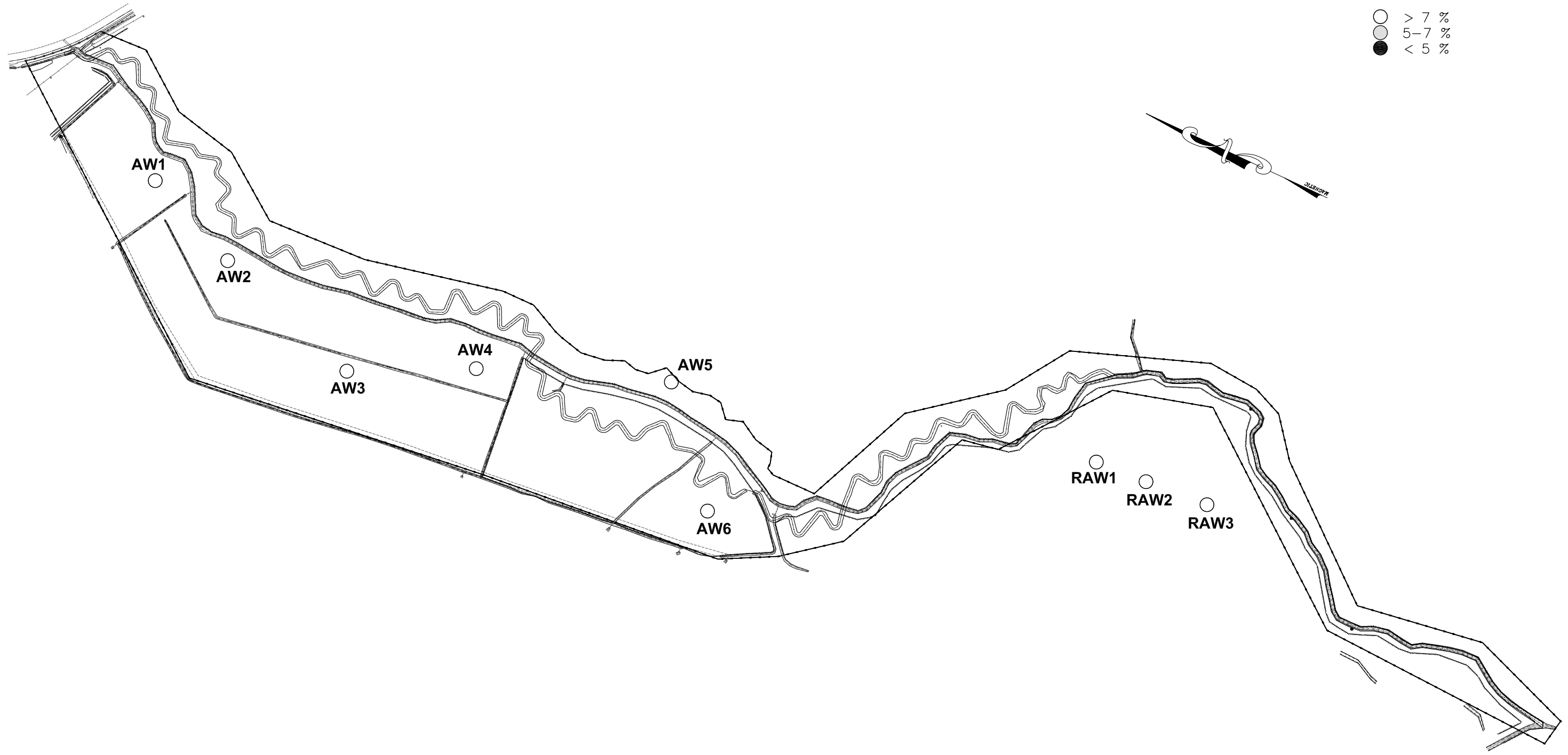
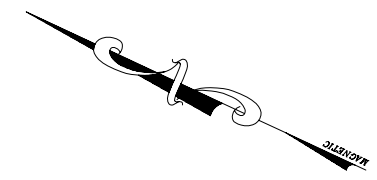
Table 4. Hydrologic Monitoring Results

2010 Max Hydroperiod (Growing Season 22-Mar through 8-Nov, 231 days)					
Gauge	Consecutive		Cumulative		Occurrences
	Days	Percent of growing Season	Days	Percent of growing Season	
AW1	38	16%	74	32%	4
AW2	18	8%	44	19%	5
AW3	17	7%	39	17%	5
AW4	27	11%	48	21%	4
AW5	29	12%	48	21%	4
AW6	27	12%	45	19%	5
RAW1	35	15%	51	22%	3
RAW2	28	12%	40	17%	3
RAW3	29	13%	39	17%	3

The Site was designed to function as a riparian wetland system with associated wet flats. Hydrology in the riparian areas is driven primarily by over bank flooding, while precipitation is the primary hydrologic influence in wet flat areas. Model simulations performed during the

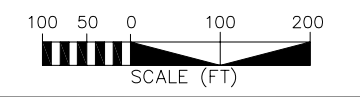
WETLAND HYDROPERIOD

- > 7 %
- ◐ 5-7 %
- < 5 %



Flogie
Hydrologic Success

Figure 4



design phase of the project indicate that the water table will draw down from April through July; however, the restored channel will maintain an elevated water table throughout the floodplain area year-round. The data collected for the 2010 growing season for this Site indicate that it is performing as described in the Mitigation Plan, with all monitoring stations exceeding the hydrology success criterion.

3.3.1 Site Data

Year 3 monitoring demonstrates that most of the Site is functioning as designed, with varying degrees of wetness and saturation across the site. All six automated gauges equaled or exceeded the seven percent hydrologic success criterion. All reference gauges also exceeded the seven percent hydrologic success criterion.

Figure 5a. Groundwater Gauges

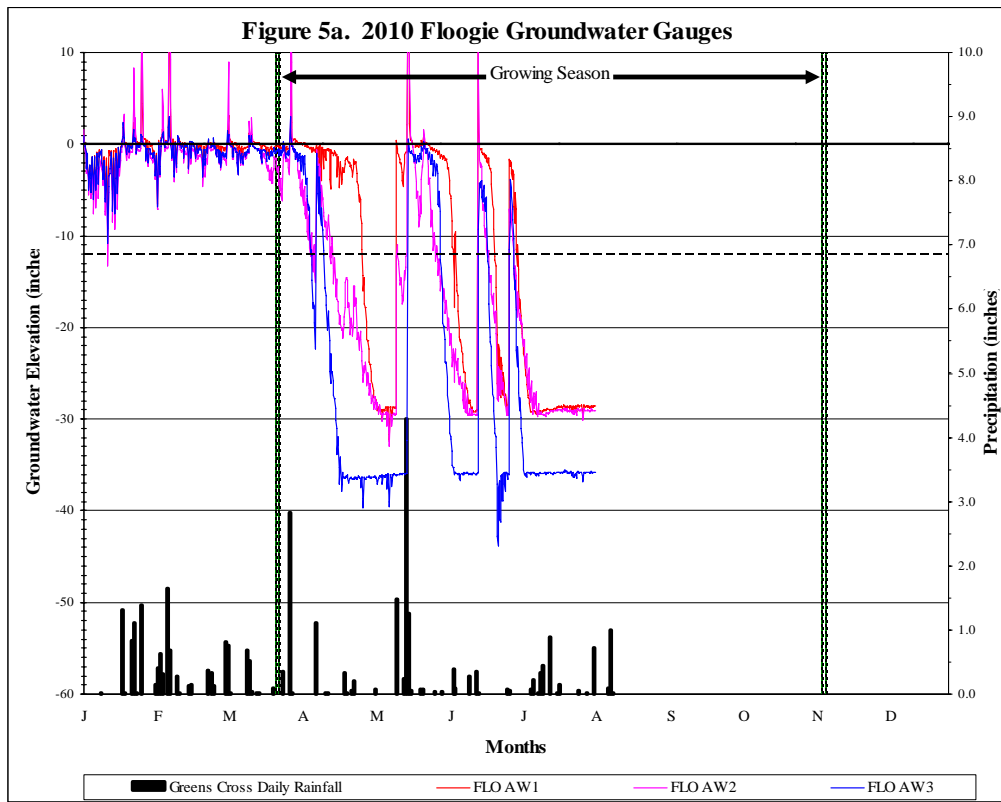


Figure 5b. Groundwater Gauges

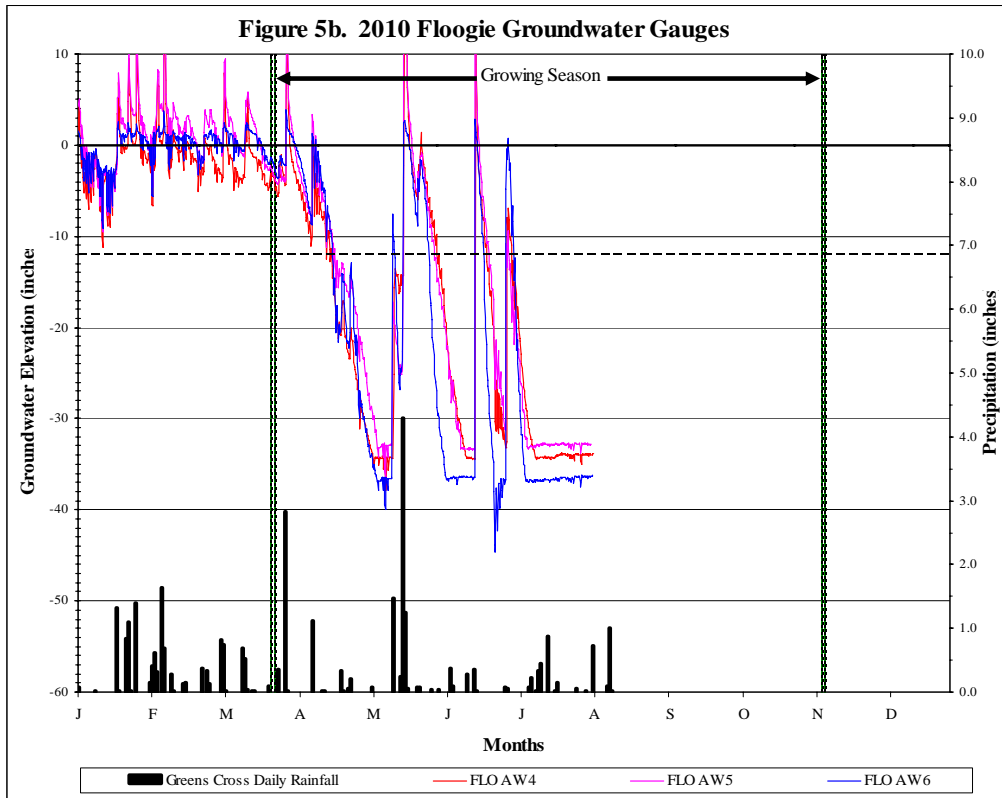
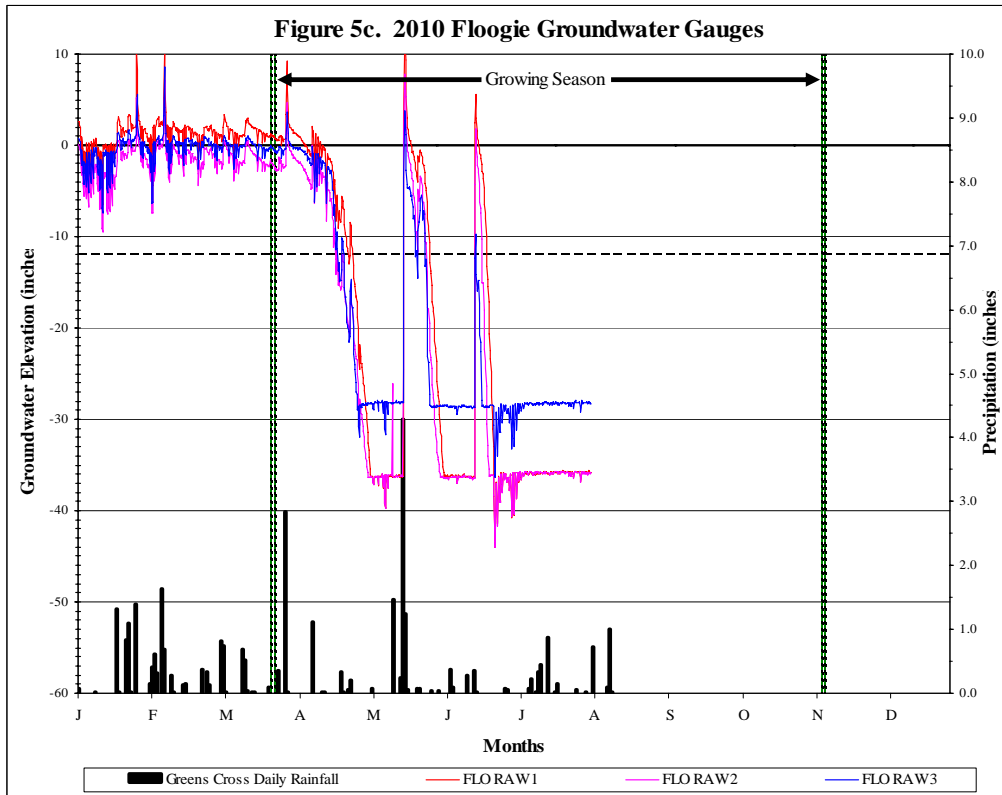


Figure 5c. Groundwater Gauges



3.3.2 Reference Data

The approved Mitigation Restoration Plan for the Site provides that if the rainfall data for any given year during the monitoring period is not normal, the reference wetland data can be accessed to determine if there is a positive correlation between the performance of the restoration Site and the natural hydrology of the reference site. Rainfall levels in 2010 were within normal limits.

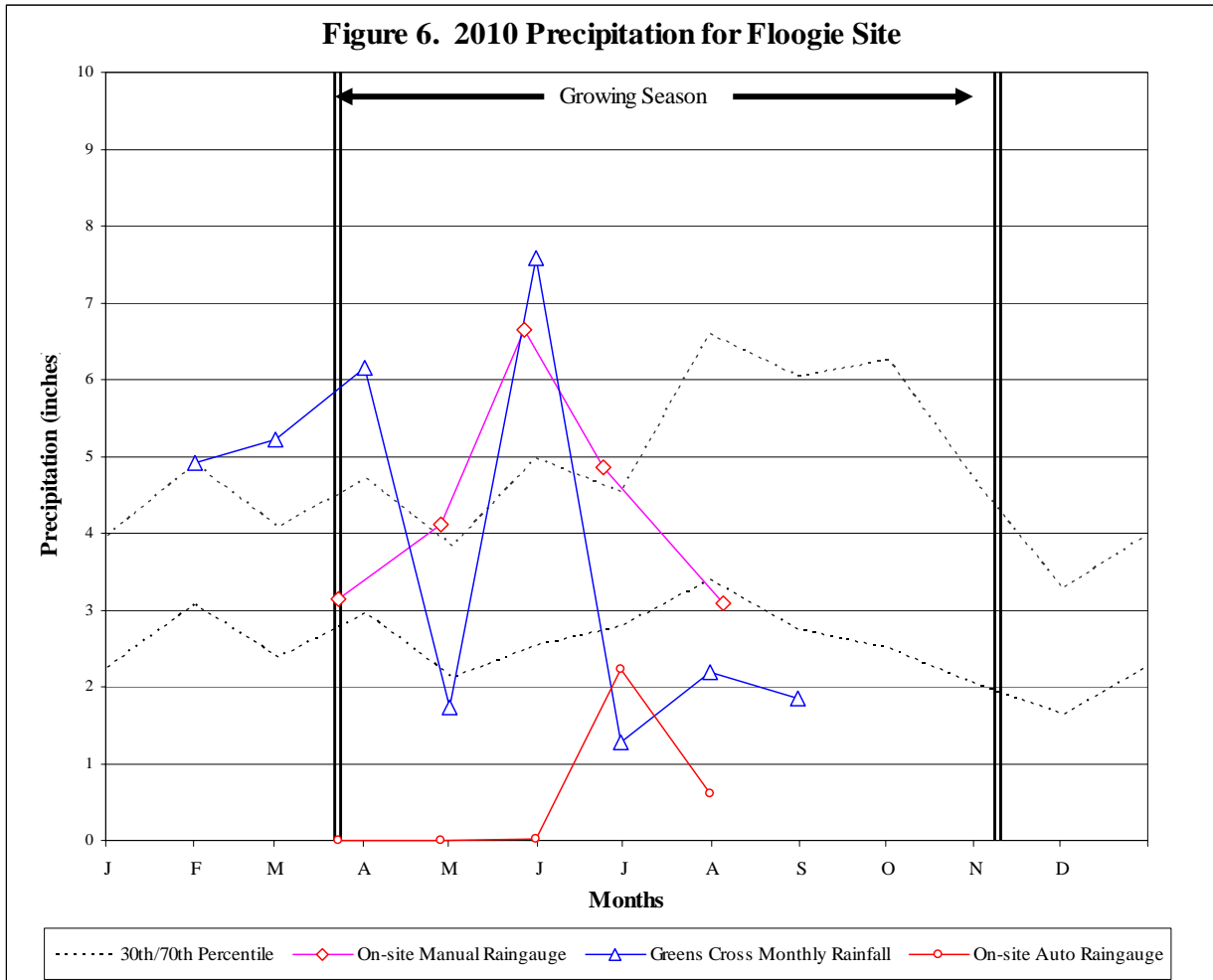
3.3.3 Climate Data

Table 5 and **Figure 6** compare the 2010 monthly rainfall to historical precipitation for Bertie County. Observed precipitation data were collected from an automated weather station in Greens Cross (Bertie County). The rainfall total from the gauge was within normal limits for the growing season. Rainfall was slightly below normal limits in April; and exceeded normal limits May. Monthly rainfall data for September 2010 were not available at the time this report was compiled. The onsite automatic tipping bucket malfunctioned early in the season and was replaced during the month of May.

Table 5. Comparison of Normal Rainfall to Observed Rainfall

Month	Average	Normal Limits		Windsor Precipitation	Manual Rain Gauge Precipitation	Tipping Bucket Precipitation
		30 Percent	70 Percent			
January	4.11	3.07	4.90	4.91	---	---
February	3.37	2.38	4.07	5.21	---	---
March	3.98	2.96	4.70	6.15	3.15	---
April	3.00	2.12	3.82	1.73	4.12	0.01
May	3.99	2.53	4.98	7.58	6.65	2.23
June	3.87	2.78	4.53	1.27	4.85	0.61
July	5.37	3.39	6.59	2.19	3.08	---
August	4.86	2.74	6.04	4.30		
September	5.10	2.50	6.24	---		
October	3.23	2.02	4.63	---		
November	2.71	1.63	3.28	---		
December	3.30	2.24	3.97	---		
Average	---	30.36	57.75	---	---	---
Total	46.89	---	---	33.34	21.85	2.85

Figure 6. 2009 Precipitation Comparison



3.4 HYDROLOGIC CONCLUSIONS

Data collected from the groundwater monitoring gauges on the Floogie Mitigation Site in 2010 indicate that all of the hydrology monitoring stations recorded hydroperiods of at least seven percent of the growing season. Thus, all the hydrology monitoring stations meet the hydrologic success criterion for 2010.

Greens Cross weather station rainfall data indicates that the 2010 growing season rainfall amounts were normal for most of the growing season, except for April, when rainfall levels were slightly below normal and the following month, May, when rainfall levels were above normal.

4.0 VEGETATION

4.1 VEGETATION SUCCESS CRITERIA

Successful establishment of vegetation in wetland restoration and riparian areas will be demonstrated by the survival of 260 planted stems following Year 5 monitoring. The Site must also meet the interim success criterion of the survival of at least 320 planted stems per acre at the end of the Year 3 monitoring period. Up to 20 percent of the Site species composition may be

comprised of non-invasive volunteers. Remedial action may be required should volunteers present a problem or exceed 20 percent composition.

A digital image photo log will be used to subjectively evaluate the restoration Site over time. A series of images over the five year monitoring period should demonstrate maturation of planted vegetation and volunteer hydrophytic species.

4.2 DESCRIPTION OF SPECIES AND VEGETATION MONITORING

Eighteen semi-permanent vegetation sampling plots were established within the planted restoration areas to monitor the success of planted vegetation. The wetland vegetation plots are 0.10 acres in size (Plots 1 through 5), and the riparian vegetation plots are 0.05 acres in size (Plots 6 through 18). The vegetation plots are distributed across the site, but the precise location and orientation of the plots was random (see locations on as-built drawings in **Appendix A**). The plots cover approximately two percent of the restored Site. Eight tree species were planted on the Site (**Table 6**).

Table 6. Planted Tree Species

Common Name	Scientific Name	FAC Status
Bald Cypress	<i>Taxodium distichum</i>	OBL
Green Ash	<i>Fraxinus pennsylvanica</i>	FACW
Laurel Oak	<i>Quercus laurifolia</i>	FACW-
River Birch	<i>Betula nigra</i>	FACW
Swamp blackgum	<i>Nyssa biflora</i>	OBL
Swamp Chestnut Oak	<i>Quercus michauxii</i>	FACW-
Water Tupelo	<i>Nyssa aquatica</i>	OBL
Willow Oak	<i>Quercus phellos</i>	FACW-

All of the planted stems inside each plot were flagged with orange or pink flagging to help in locating them in the future. Each stem is tagged with a sequentially numbered aluminum tag.

4.3 RESULTS OF VEGETATION MONITORING

Stem counts for each of the 18 monitoring stations are presented by species in **Table 7**. Water tupelo counts may also include swamp blackgum, as these two similar species are difficult to accurately distinguish at the small seedling stage. One hickory stem was recorded and most likely resulted from an errant stem included from the nursery. A few of the numbered tags have been lost or damaged, mostly on smaller stems. This may be due small animal theft or to tags being washed over small stems during flooding after planting. A number of the species have exhibited re-sprouting, resulting in a positive change in survival.

Table 7. Results of 2010 Vegetation Monitoring – Planted Species by Plot

Species	Plots																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Bald Cypress	6	10	3	22	7	7	4	13	4	9	12	4	13	10	11	3		2
Green Ash	5	10	27	2	15		7	8	5	1	3	17	7	6	4	6	2	6
Hickory		1																
Laurel Oak	2									1		1	2		1	5		
Overcup Oak	10	10	16	9	7	4	2	7	10	6	5	4	2	8	1	7	12	4
Swamp Tupelo	21	9	12	21	14	5	2	8	3	7	7	9	6	10	12	12		5
Willow Oak	9		6	3	11	3	2	7	7	23	7	7	6	7	10	9	13	9

Most of the planted stems are healthy with recent growth. The planted stems in the monitoring plots ranged from 340 to 940 stems per acre with an average of 640 stems per acre (**Table 8**). The plots have met the minimum criterion of 320 stems per acre after three years.

Table 8. Summary of Results

Plot #	As-Built Stems Planted	Stems Year 1	Stems Year 2	Stems Year 3	Stems per Acre Year 3
Plot 1	61	55	53	53	530
Plot 2	60	46	49	40	400
Plot 3	70	66	65	64	640
Plot 4	69	58	61	57	570
Plot 5	65	57	53	54	540
Plot 6	40	31	24	19	380
Plot 7	37	22	17	17	340
Plot 8	49	44	43	43	860
Plot 9	45	33	28	29	580
Plot 10	50	48	49	47	940
Plot 11	47	36	35	34	680
Plot 12	45	43	42	42	840
Plot 13	40	39	37	36	720
Plot 14	51	47	38	41	820
Plot 15	48	43	41	39	780
Plot 16	49	48	41	42	840
Plot 17	30	28	28	27	540
Plot 18	28	27	26	26	520
				Average	640
				Range	340-940

The most commonly found volunteer species within the plots were also monitored to determine composition and potential effect on success criteria (**Table 9**). Volunteer stems are limited in most plots and represent many species. Nearly all of the seedlings are small and do not present any competition problems at this time. The most common appear to be species having high seed production and good dispersal and include eastern baccharis (*Baccharis halimifolia*), red maple (*Acer rubrum*), sweetgum (*Liquidambar styraciflua*), and winged sumac (*Rhus copallina*).

Table 9. Common Volunteer Woody Species

Common Name	Scientific Name	FAC Status
Red Maple	<i>Acer rubrum</i>	FAC
Eastern Baccharis	<i>Baccharis halimifolia</i>	FAC
Common Buttonbush	<i>Cephalanthus occidentalis</i>	OBL
Coastal Sweetpepperbush	<i>Clethra alnifolia</i>	FACW
Titi	<i>Cyrilla racemiflora</i>	FACW
Persimmon	<i>Diospyros virginiana</i>	FAC
Green Ash	<i>Fraxinus pennsylvanica</i>	FACW
Privet	<i>Ligustrum sinense</i>	FAC
Sweetgum	<i>Liquidambar styraciflua</i>	FAC+
Tuliptree	<i>Liriodendron tulipifera</i>	FAC
Wax myrtle	<i>Morella cerifera</i>	FAC+
Loblolly Pine	<i>Pinus taeda</i>	FAC
Eastern Cottonwood	<i>Populus deltoides</i>	FAC+
Laurel Oak	<i>Quercus laurifolia</i>	FACW
Willow Oak	<i>Quercus phellos</i>	FACW-
Winged Sumac	<i>Rhus copallinum</i>	NI
Black Willow	<i>Salix nigra</i>	OBL
Elderberry	<i>Sambucas canadensis</i>	FACW-

A visual estimate of herbaceous vegetation cover was provided to assess the overall stability of the Site (**Table 10**). The herbaceous cover is typically dense across most of the site and has increased from the previous year. Many of the plots retain a variety of weedy species, but hydrophytic species have become common. The most common species is common rush (*Juncus effusus*). The common rush is recorded in nearly all of the plots. The other most frequently occurring species are Canada goldenrod (*Solidago canadensis*), blackberry (*Rubus argutus*), and dog fennel (*Eupatorium capillifolium*). Other species recorded include annual ragweed (*Ambrosia artemisiifolia*), beaked panicgrass (*Panicum anceps*), deer tongue (*Dichanthelium clandestinum*), Japanese honeysuckle (*Lonicera japonica*), primrose-willow (*Ludwigia* sp), and sedge (*Carex* sp.). The herbaceous vegetation does not appear to be presenting any problems with survival or growth at this time. Trumpet creeper (*Campsis radicans*) and Japanese honeysuckle are starting to cover some planted woody stems in the plots when present, and may become a problem in the future.

Hydrophytic herbaceous vegetation is found across the entire Site and includes coastal sweetpepperbush (*Clethra alnifolia*), common rush, primrose-willow (*Ludwigia* sp.), deertongue (*Dichanthelium clandestinum*), giant cane (*Arundinaria gigantea*), lizard's tail (*Saururus cernuus*), Pennsylvania smartweed (*Polygonum pensylvanicum*), sedges (*Carex* sp.), and trumpet creeper (*Campsis radicans*), all hydrophytic herbaceous plants, are observed across the Site, particularly in areas of periodic inundation.

Table 10. Estimated Herbaceous Total Percent Cover

Plot Number	Estimated Percent Cover 2009	Estimated Percent Cover 2010
1	97 %	99%
2	95 %	99%
3	92 %	98%
4	92 %	98%
5	98 %	98%
6	96 %	96%
7	97 %	98%
8	75 %	85%
9	96 %	96%
10	97 %	97%
11	90 %	95%
12	93 %	98%
13	92 %	95%
14	90 %	95%
15	98 %	98%
16	98 %	98%
17	98 %	98%
18	93 %	95%

The invasive species Chinese privet (*Ligustrum sinesense*) and Japanese honeysuckle (*Lonicera japonica*) were observed in a few plots. The occurrences of these species are typically associated with the adjacent existing populations of these invasive species and are from regenerating root sprouts and seeds. These species may displace desirable vegetation and should continue to be assessed in successive monitoring years. No remedial actions are recommended at this time.

4.4 VEGETATION OBSERVATIONS & CONCLUSIONS

Hydrophytic herbaceous vegetation is found across the entire Site. Hydrophytic herbaceous plants were observed across the site, particularly in areas of periodic inundation. Some plots have very dense cover of common rush. The presence of these herbaceous wetland plants confirms the presence of wetland hydrology on the Site.

Weedy species occur throughout the Site, and are quite dense in some areas. The presence of this weedy vegetation is a result of the seed bank from previous cultivation practices but has decreased. The weedy vegetation does not seem to be posing any wide spread problems for the planted stems at this time. Trumpet creeper is starting to cover some planted woody stems and may become a problem in the future. The invasive species Chinese privet and Japanese honeysuckle were observed in a few plots, and, although not currently a problem, these species may displace desirable vegetation. Invasive species should continue to be evaluated within the entire easement to ensure that these species do not become a concern for the Site.

For the 2010 monitoring year, the average number of stems per acre on Site is 640, and the range of stem density was 340 to 940 stems per acre. The lowest planted stem density was recorded at Plot 7 at 340 stems per acre. The Site has achieved the minimum success interim criterion of 320 stems per acre by the end of year three. The Site as a whole is on track to meet the final success criterion of 260-planted stems per acre by the end of year five.

5.0 STREAM MONITORING

5.1 STREAM SUCCESS CRITERIA

As stated in the approved Mitigation Plan, the stream restoration success criteria for the Site includes the following:

- *Bankfull Events*: Two bankfull flow events must be documented within the five-year monitoring period.
- *Cross-Sections*: There should be little change in as-built cross sections. Cross sections shall be classified using the Rosgen stream classification method and all monitored cross-sections should fall within the quantitative parameters defined for "E" or "C" type channels.
- *Longitudinal Profiles*: The longitudinal profiles should show that the bedform features are remaining stable, e.g. they are not aggrading or degrading. Bedforms observed should be consistent with those observed in "E" and "C" type channels.
- *Photo Reference Stations*: Photographs will be used to subjectively evaluate channel aggradation or degradation, bank erosion, success of riparian vegetation and effectiveness of erosion control measures.
- *Benthic Macroinvertebrates*: Sampling of benthic macroinvertebrates within the restored stream channel shall be conducted in Year 1, Year 3, and Year 5 of post-restoration monitoring.

5.2 STREAM MORPHOLOGY MONITORING PLAN

The stream monitoring program will be implemented to document system development and progress toward achieving the success criteria. The monitoring program will be undertaken for five years, or until the final success criteria are achieved, whichever is longer.

5.2.1 Cross Sections

Two permanent cross sections will be installed per 1,000 linear feet of stream restoration work, with one located at a riffle and one located at a pool. Each cross section will be marked on both banks with permanent pins to establish the exact transect used. A common benchmark will be used for cross sections to facilitate easy comparison of year-to-year data. The annual cross-section survey will include points measured at all breaks in slope, including top of bank, bankfull, inner berm, edge of water, and thalweg, if the features are present. Riffle cross sections will be classified using the Rosgen stream classification system.

5.2.2 Longitudinal Profile

A longitudinal profile will be measured annually throughout the five-year monitoring period. The profile will be measured along a representative length of restored channel. Measurements will include thalweg, water surface, bankfull, and top of low bank. Each of these measurements will be taken at the head of each feature, for example, shallow, pool, and the max pool depth. The survey will be tied to a permanent benchmark.

5.2.3 Hydrology

The occurrence of bankfull events within the monitoring period will be documented by the use of a crest gauge and photographs. The two crest gauges will record the highest watermark between site visits, and the gauge will be checked monthly to document high flows. Digital images will be

used to document the occurrence of debris lines and sediment deposition on the floodplain during monitoring site visits. In addition, the flow observations will be recorded for the headwater stream restoration. These may include wrack lines, direct observations, dye tests, or other direct or indirect observations of flow.

5.2.4 Photo Reference Stations

Photographs will be used to subjectively evaluate channel aggradation or degradation, bank erosion, success of riparian vegetation and effectiveness of erosion control measures.

5.3 STREAM MORPHOLOGY MONITORING RESULTS

Table 11 presents stream areas that may require further observation. Overall, the channel is stable with a few areas of minor erosion.

5.3.1 Hydrology

Bankfull events were recorded through the months of February to July (**Table 12**). The largest stream flow recorded on the upstream crest gauge (CG1) was 2.10 feet above bankfull elevation. The largest stream flow recorded on the downstream crest gauge (CG2) was 2.00 feet above bankfull elevation. Flow was observed in both headwater streams during the early 2010 growing season.

5.3.2 Cross Sections

Year 3 cross section monitoring data for stream stability were collected during August 2010 and compared to baseline data collected in March 2008, as well as Year 1 and Year 2 cross section data (**Table 13; Appendix B and E**). All monitored cross sections were stable and showed little change in channel dimension between monitoring years. Cross Section 15 experienced approximately 1.5 feet of bed loss between As-Built and Year 1 monitoring. However, Cross Section 15 has been stable since Year 1 monitoring.

5.3.3 Longitudinal Profile

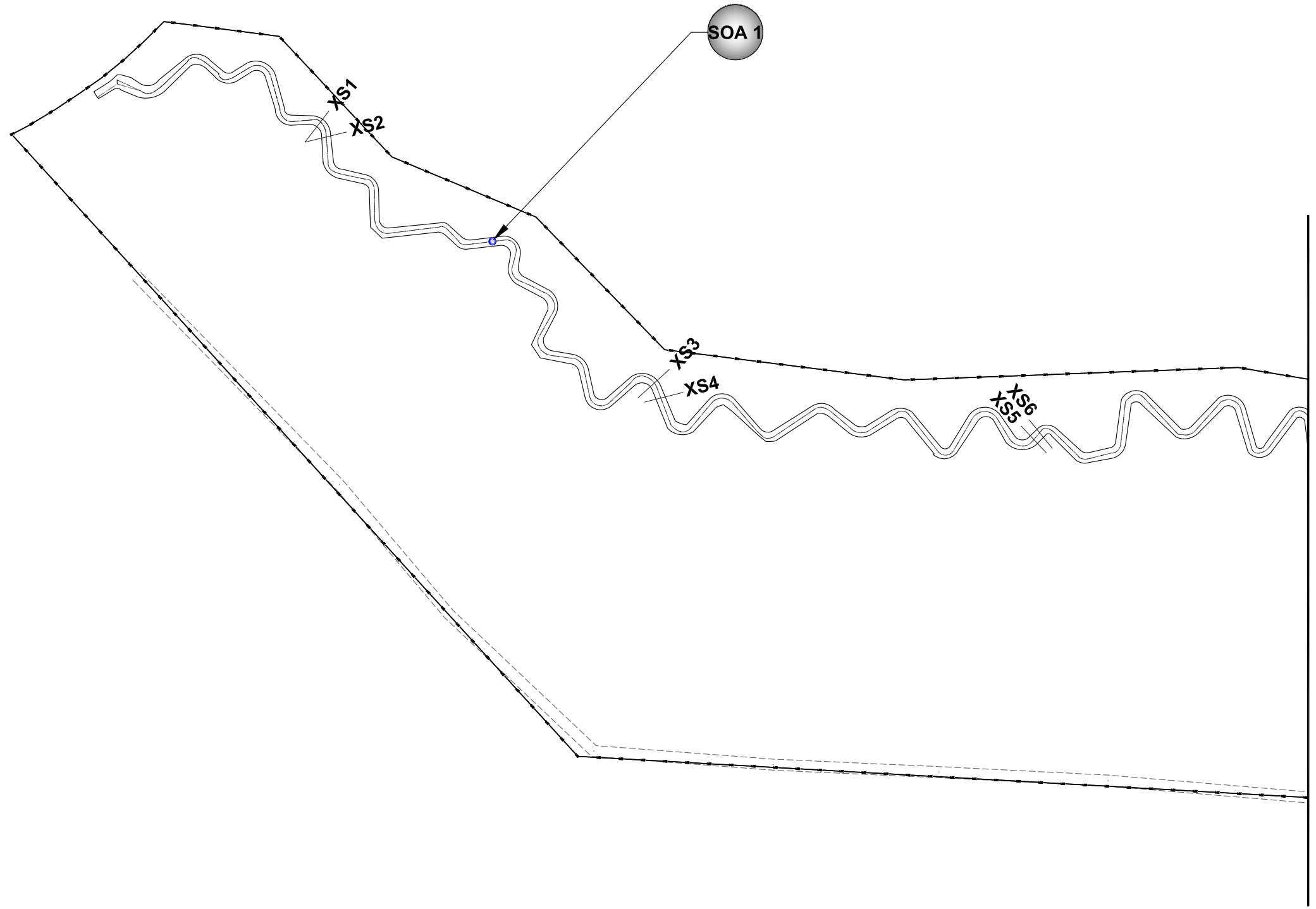
A longitudinal profile survey was conducted in Year 3. Coastal plain swamp streams are dynamic in nature, and some channel adjustment is expected. Overall, the profile survey indicated little change to channel dimensions (**Table 13; Appendix B and E**).

Table 11. Stream Areas Requiring Observation

ID	Station	Feature	Problem
1	9+80 to 11+50	Left Bank and Right Bank	Minor erosion and sparse vegetation behind and below matting due to clayey soils. Vegetation is beginning to colonize. No repair needed.
2	73+70 to 74+40	Bed	Bed erosion likely due to improper slope at construction. Grade control is intact upstream to halt potential migration. Vegetation is beginning to stabilize. No repair needed.
3	74+50	Log Vane	Minor erosion behind log vane on right bank. Vegetation is stabilizing. No repair needed.
4	75+00	Rock Weir	Flow piping around header rock due to improper installation resulting in approximate one foot of bed loss. Bed has stabilized since initial failure (XS 15). No repair needed.
5	78+80	Boulder Toe	Boulder toe is functional but bank above toe boulders is unstable and un-vegetated. Further bank erosion may lead to rock toe failure. Recommend seeding, matting and live stakes to stabilize right bank.

Table 12. Crest Gauge Data

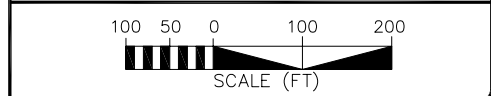
Month Recorded	Crest Gauge 1	Crest Gauge 2
January	---	---
February	2.10	2.0
March	1.00	0.90
April	1.45	1.50
May	1.90	0.00
June	1.50	1.20
July	0.25	0.20
August	---	---
September	---	---
October	---	---
November	---	---
December	---	---



MATCHLINE FIGURE 7B

Floogie
Stream Observation Areas

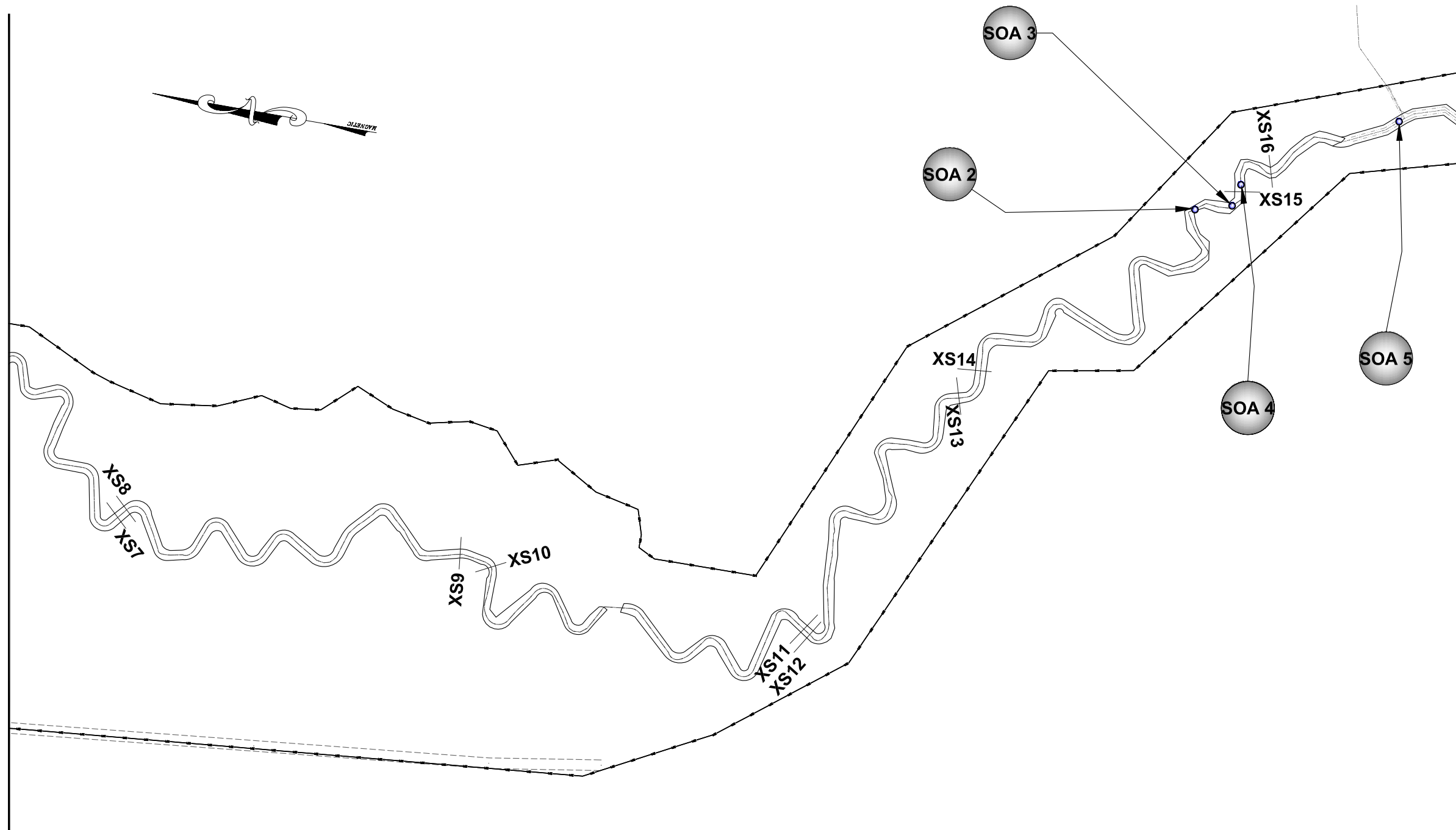
Figure 7A



SCALE (FT)

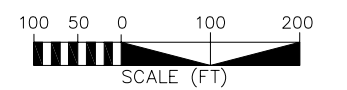
MATCHLINE FIGURE 7A

MATCHLINE FIGURE 7C

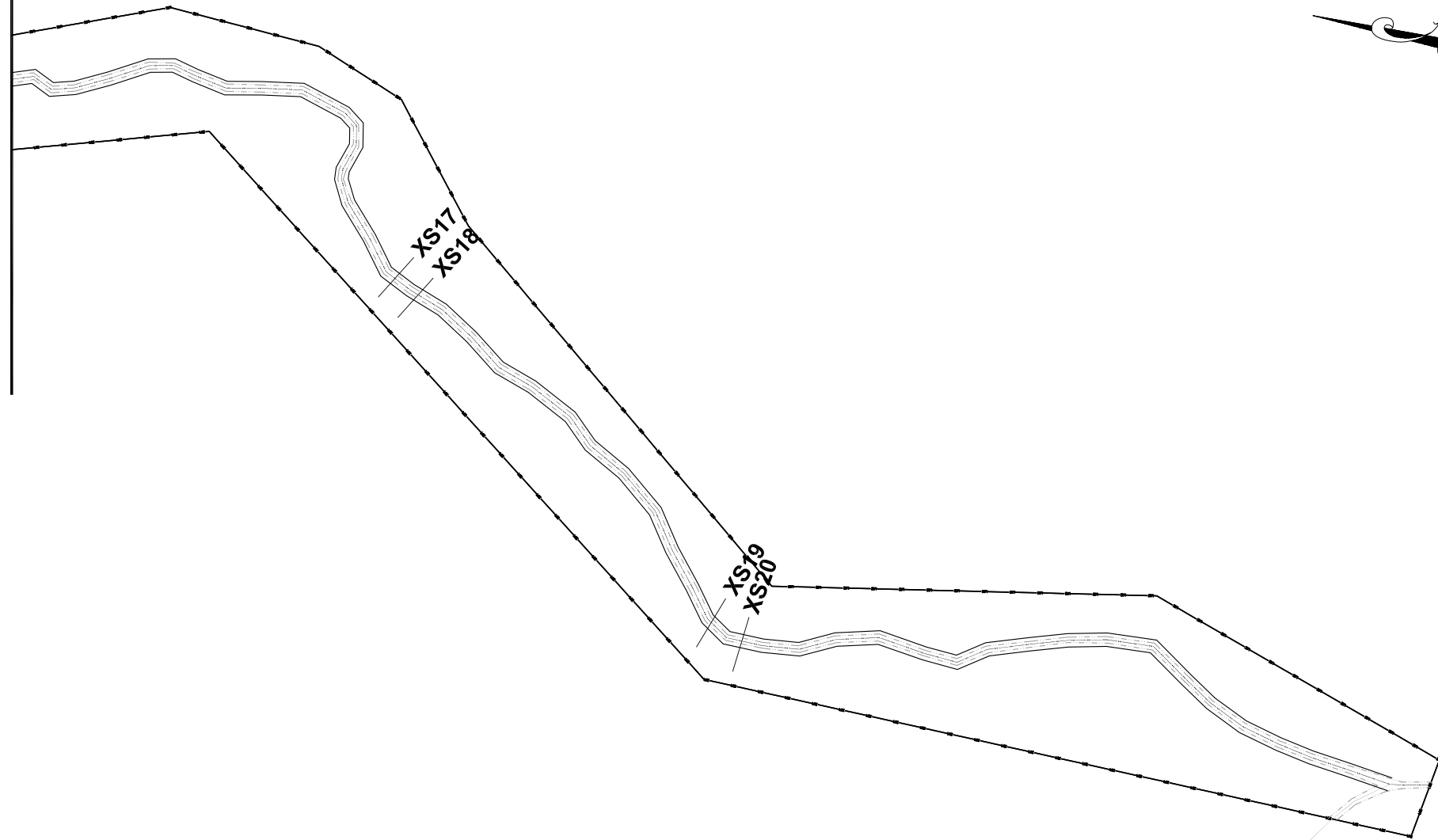


Floogie
Stream Observation Areas

Figure 7B

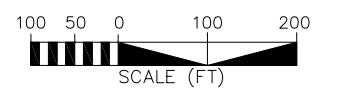


MATCHLINE FIGURE 7B



Floogie
Stream Observation Areas

Figure 7C



5.4 BENTHIC MACROINVERTEBRATE SURVEY RESULTS

Pre-construction monitoring was performed prior to disturbance of the existing channel in January 2008. Following restoration, Year 1 monitoring was conducted in January 2009 (**Table 14**). Additional monitoring will be conducted in January of 2011 (Year 3) and 2013 (Year 5). The Year 3 data will be presented in the Year 4 monitoring report.

5.5 STREAM CONCLUSIONS

In-stream structures installed within the restored stream included log vanes, bedded log structures, woody debris bundles, and root wads. Visual observations of structures throughout the 2010 growing season have indicated that most structures are stable and functioning as designed. Localized areas of elevated profile (shallows) have been colonized by wetland plant species due to low stream flow, but do not appear to be impounding water or causing increased deposition. Localized areas of erosion are present but do not present a problem to the overall stability of the project. The channel appears to be moving toward stability.

Photographs were taken throughout the monitoring season to document the evolution of the restored stream channel (**Appendix D**). Herbaceous vegetation is moderately dense to dense along the restored stream. Pools have maintained a variety of depths and habitat qualities, depending on the location and type of scour features (logs, root wads, transplants, etc.).

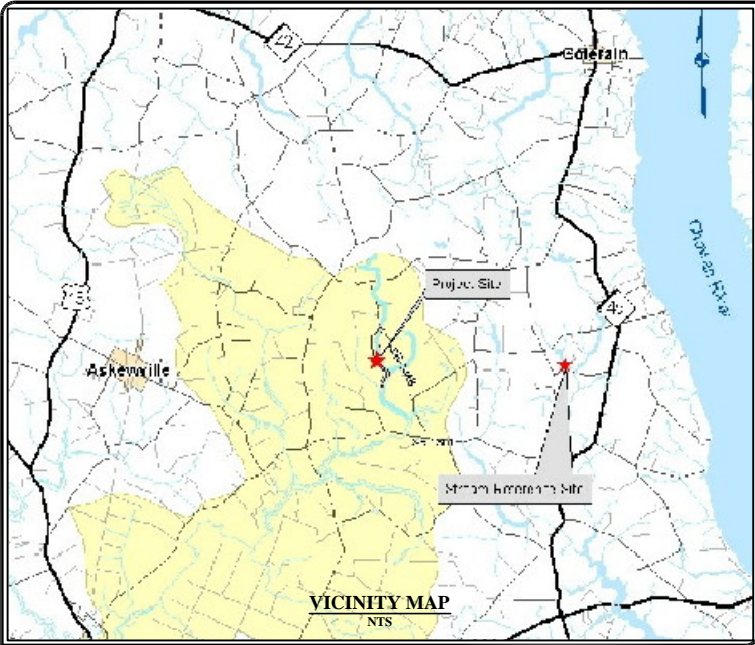
6.0 CONCLUSIONS AND RECOMMENDATIONS

- All hydrology monitoring gauges recorded consecutive hydroperiods for at least 7 percent of the growing season for 2009.
- The restored stream channel has remained stable and is providing the intended habitat and hydrologic functions. All monitoring cross sections and longitudinal profile for 2009 showed very little adjustment in stream dimension over the previous year.
- Vegetation monitoring has documented the average number of stems per acre on the Site to be 640, with the range of stem density of 340 to 940 stems per acre. All vegetation plots have achieved the interim success criterion of 320 trees per acre.
- Vegetative and stream monitoring will continue through 2012.

APPENDIX A

As-Built Survey

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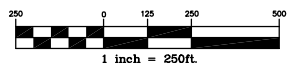
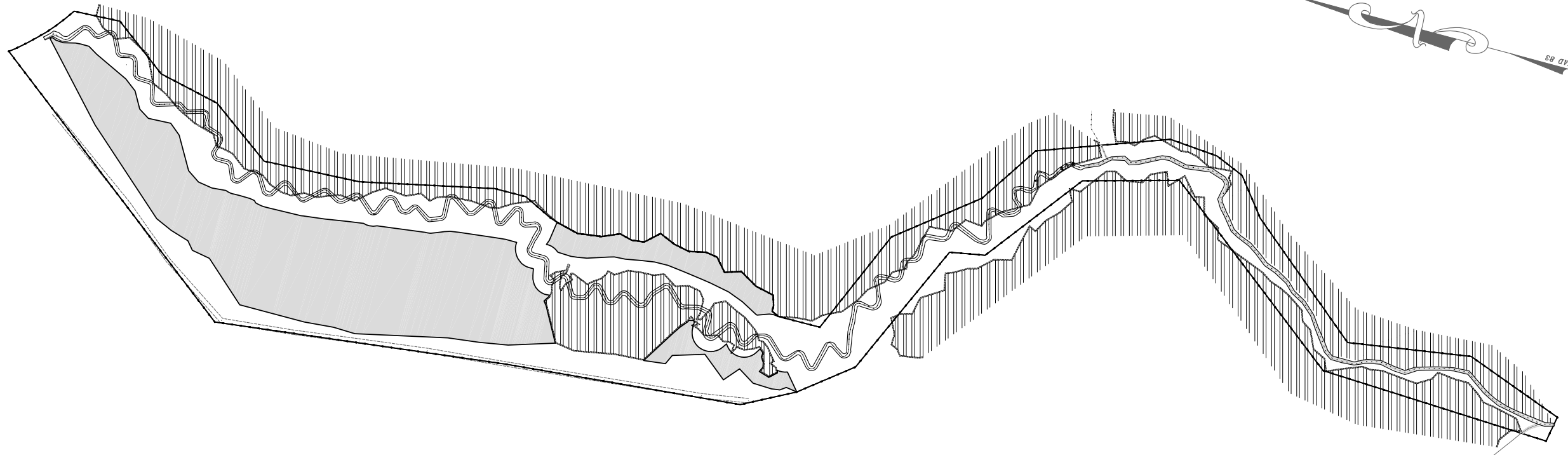
FLOOGIE MITIGATION PROJECT AS-BUILT PLAN SET

APRIL 2008

LOCATION: BERTIE COUNTY, NORTH CAROLINA

SHEET INDEX

COVER / INDEX	1
STREAM PLAN & PROFILE	2
STREAM PLAN & PROFILE	3
STREAM PLAN & PROFILE	4
STREAM PLAN & PROFILE	5
STREAM PLAN & PROFILE	6
STREAM PLAN & PROFILE	7
STREAM PLAN & PROFILE	8
STREAM PLAN & PROFILE	9
STREAM PLAN & PROFILE	10
STREAM PLAN & PROFILE	11
STREAM PLAN & PROFILE	12
STREAM PLAN & PROFILE	13
STREAM PLAN & PROFILE	14
STREAM PLAN & PROFILE	15
STREAM PLAN & PROFILE	16
STREAM PLAN & PROFILE	17
WETLAND PLANS	18
MONITORING PLANS	19
MONITORING PLANS	20



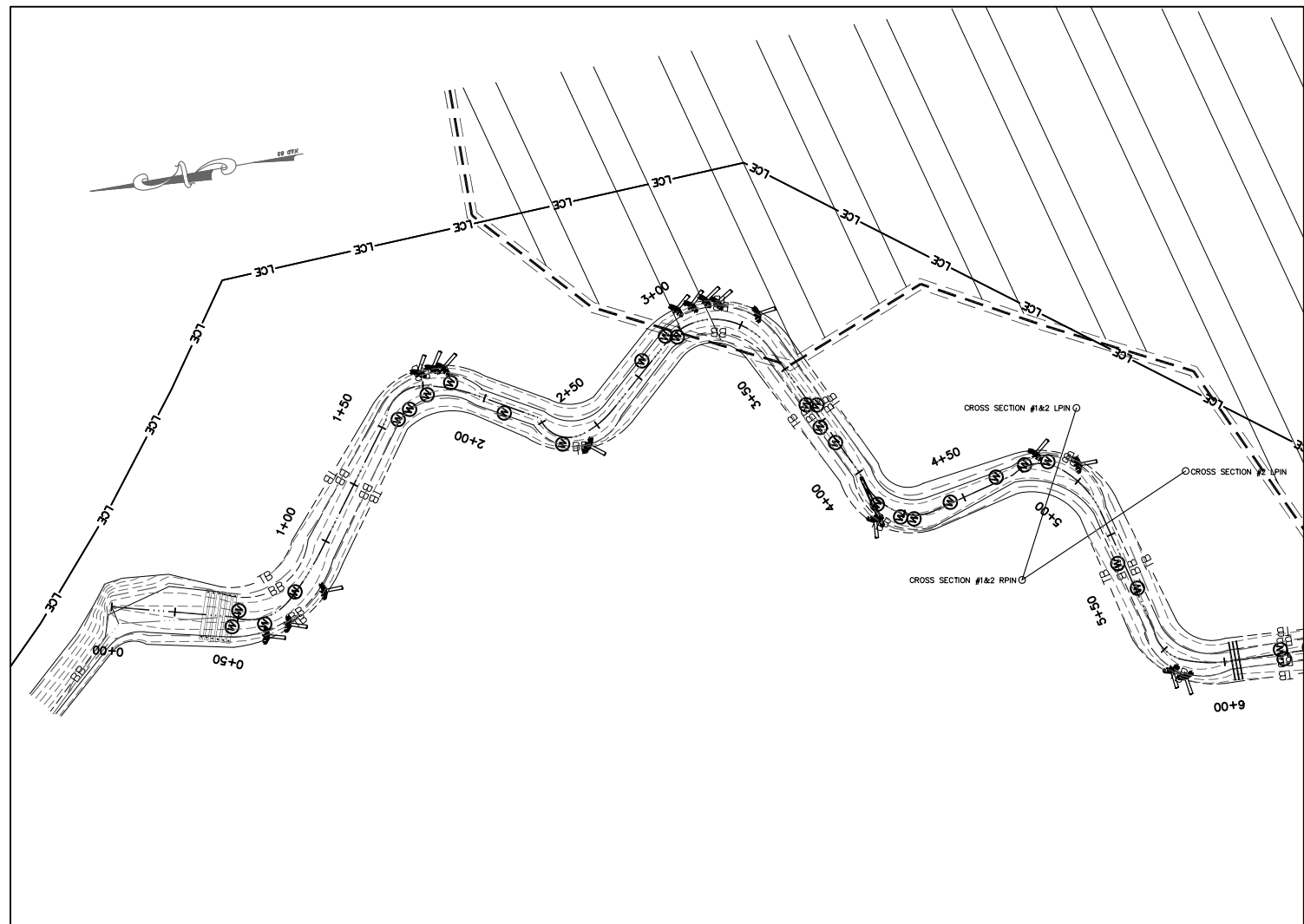
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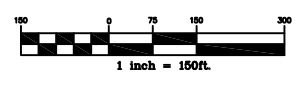
FLOOGIE AS-BUILT PLANS
 COVER & INDEX SHEET

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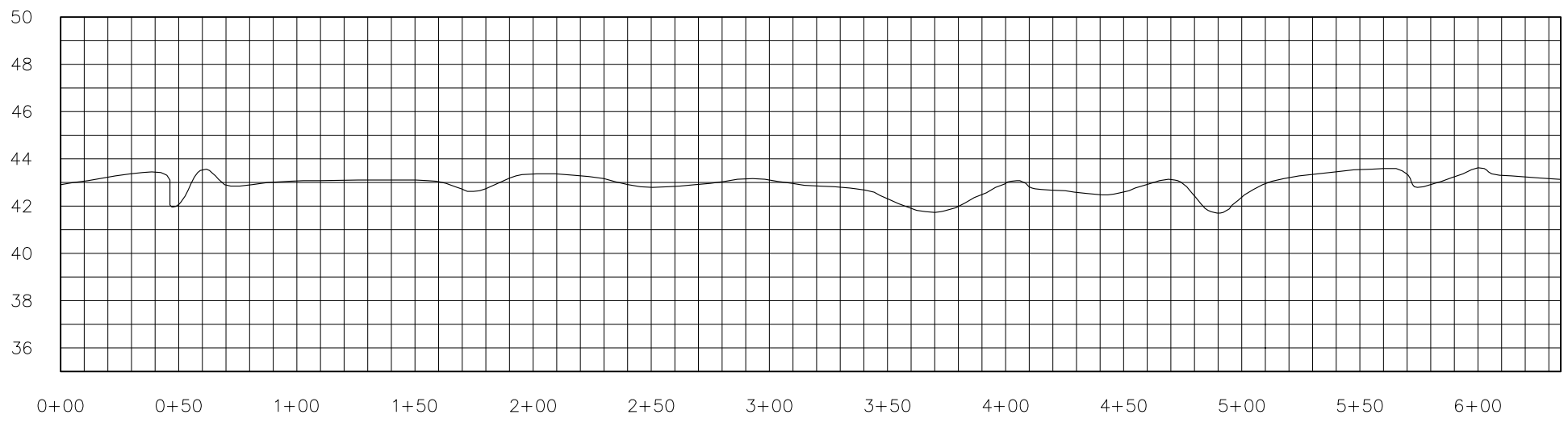


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LOG VANE	
FORD CROSSING	
ROOT WAD	
CHANNEL PLUG	
WETLAND CHANNEL PLUG	
EXISTING WETLANDS	
BEDDED LOG STRUCTURE	
SMALL WOODY DEBRIS	



MATCH LINE 6+35 SEE SHEET 2



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Vertical Scale: 1 inch = 3ft.

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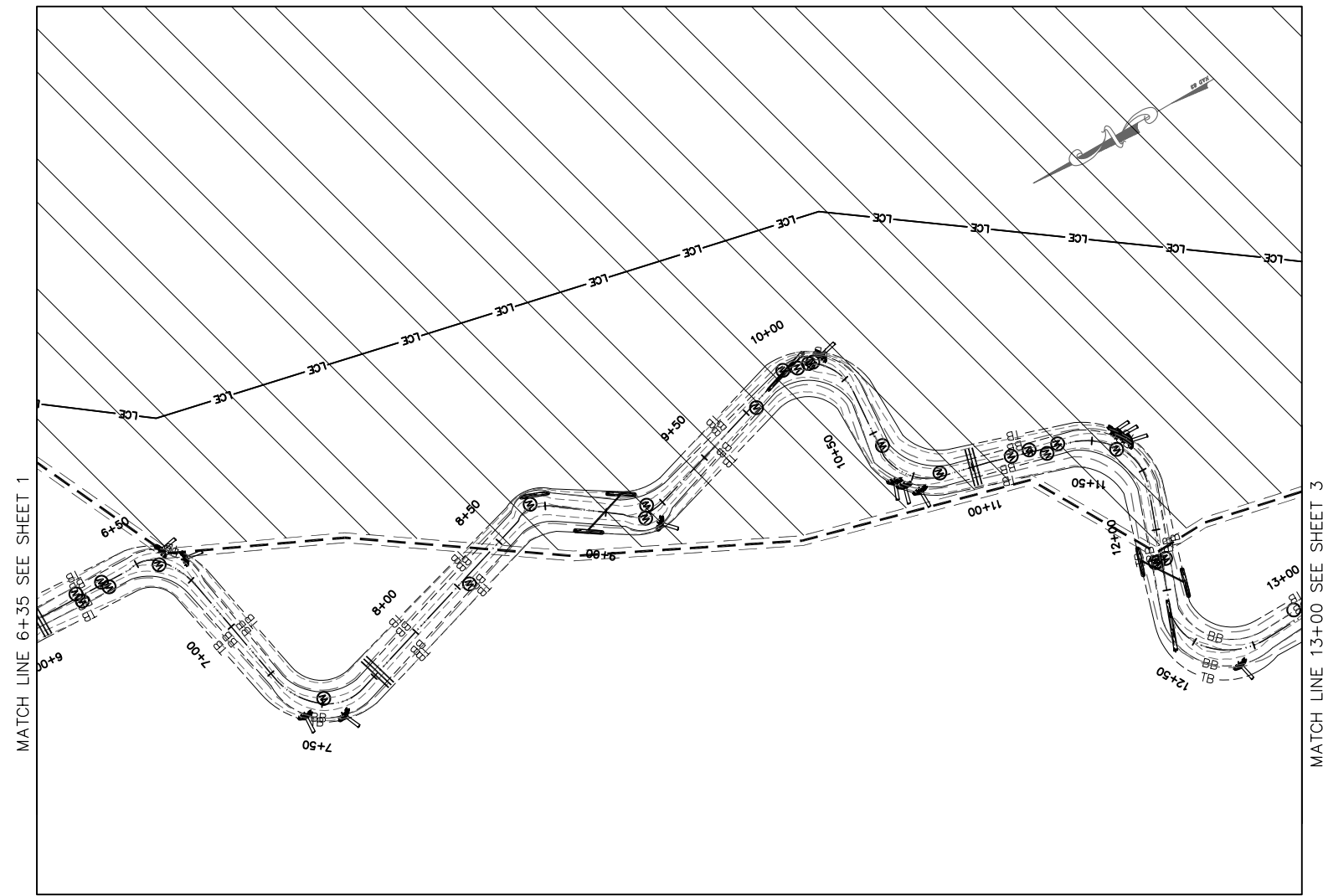
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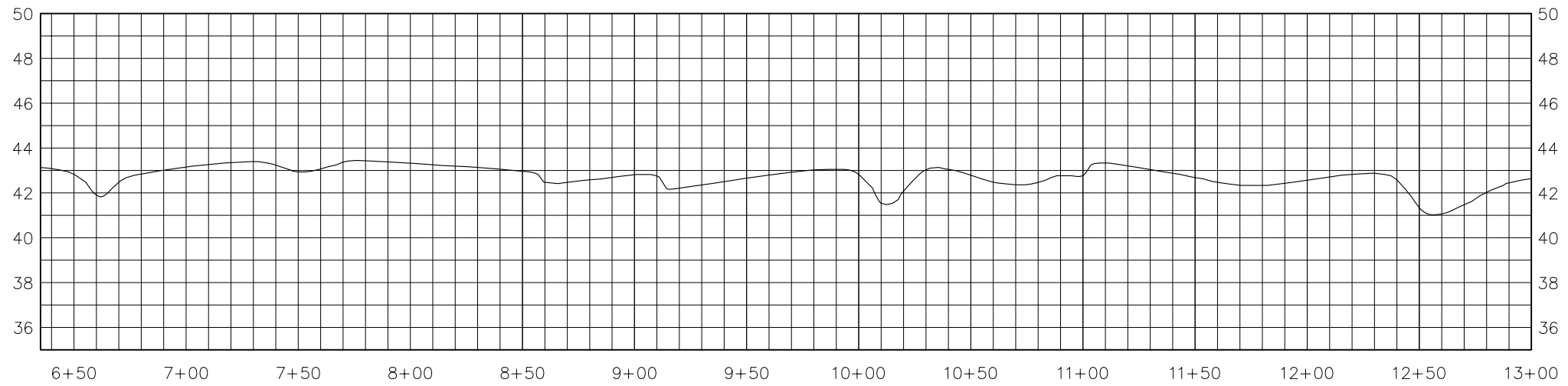
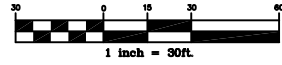
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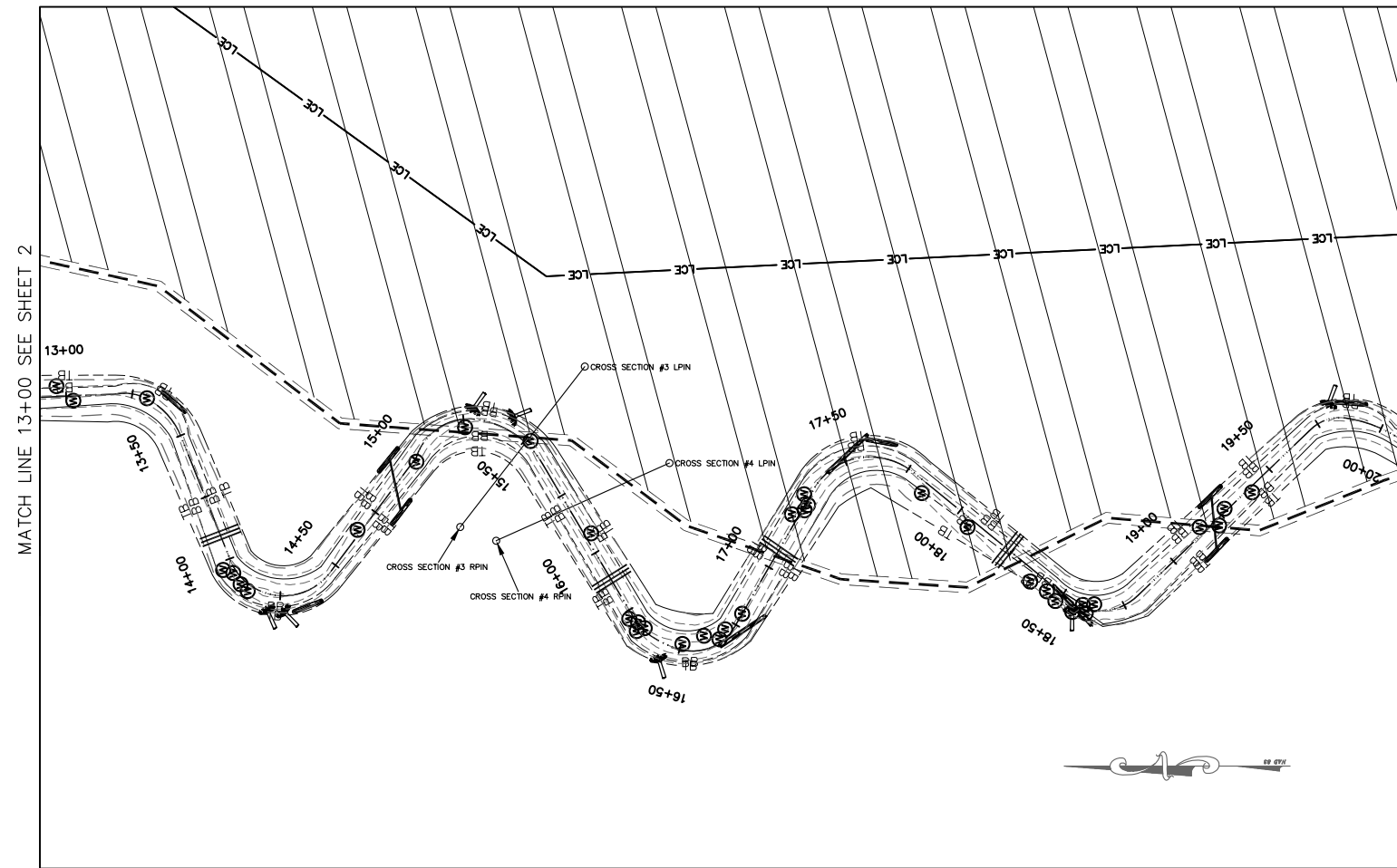
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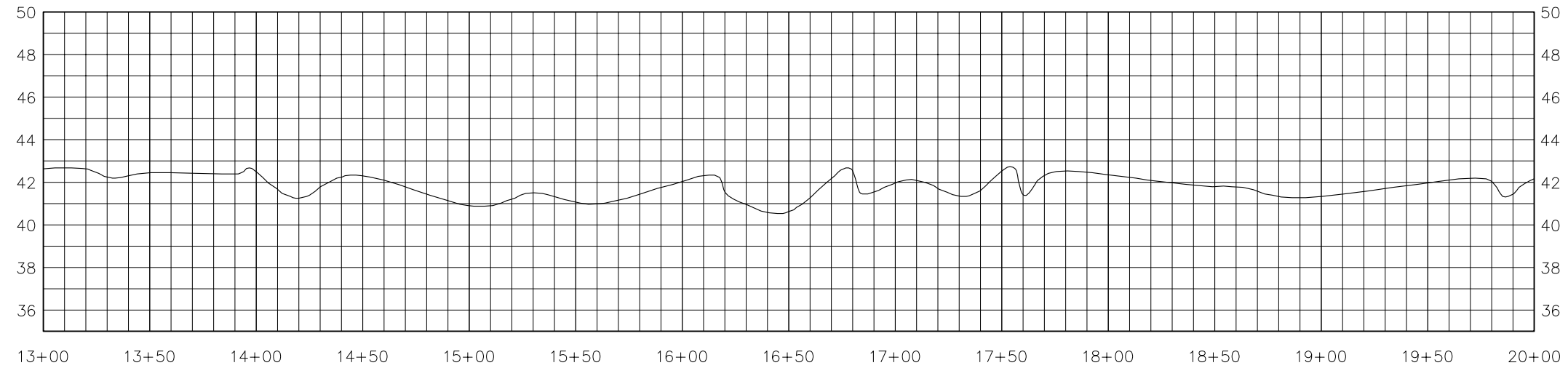
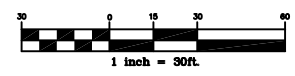
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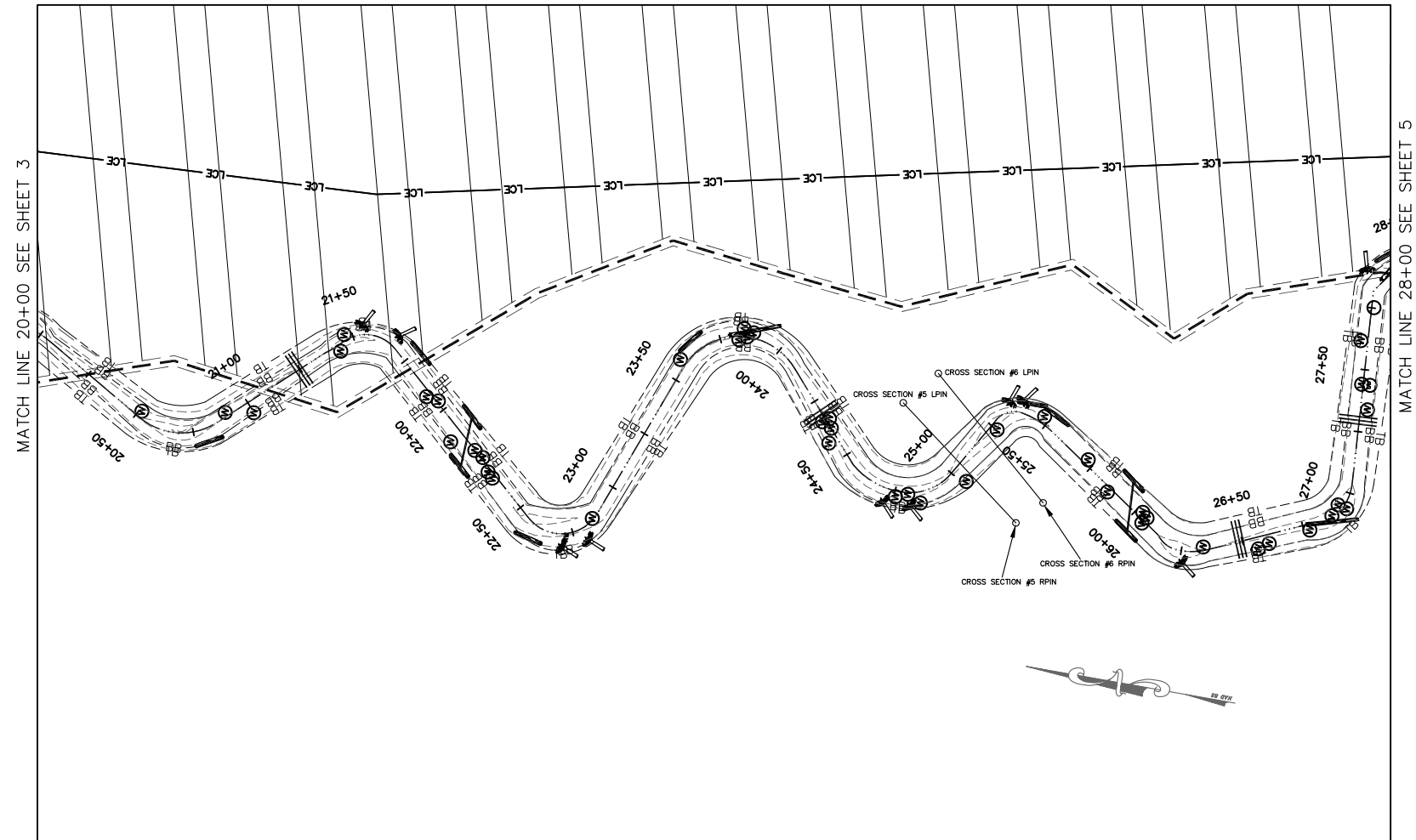
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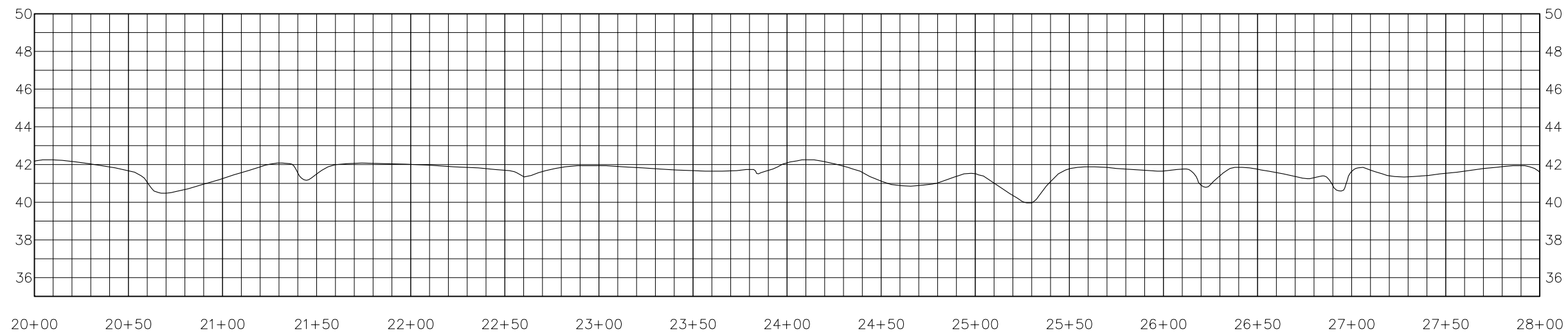
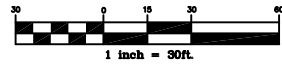
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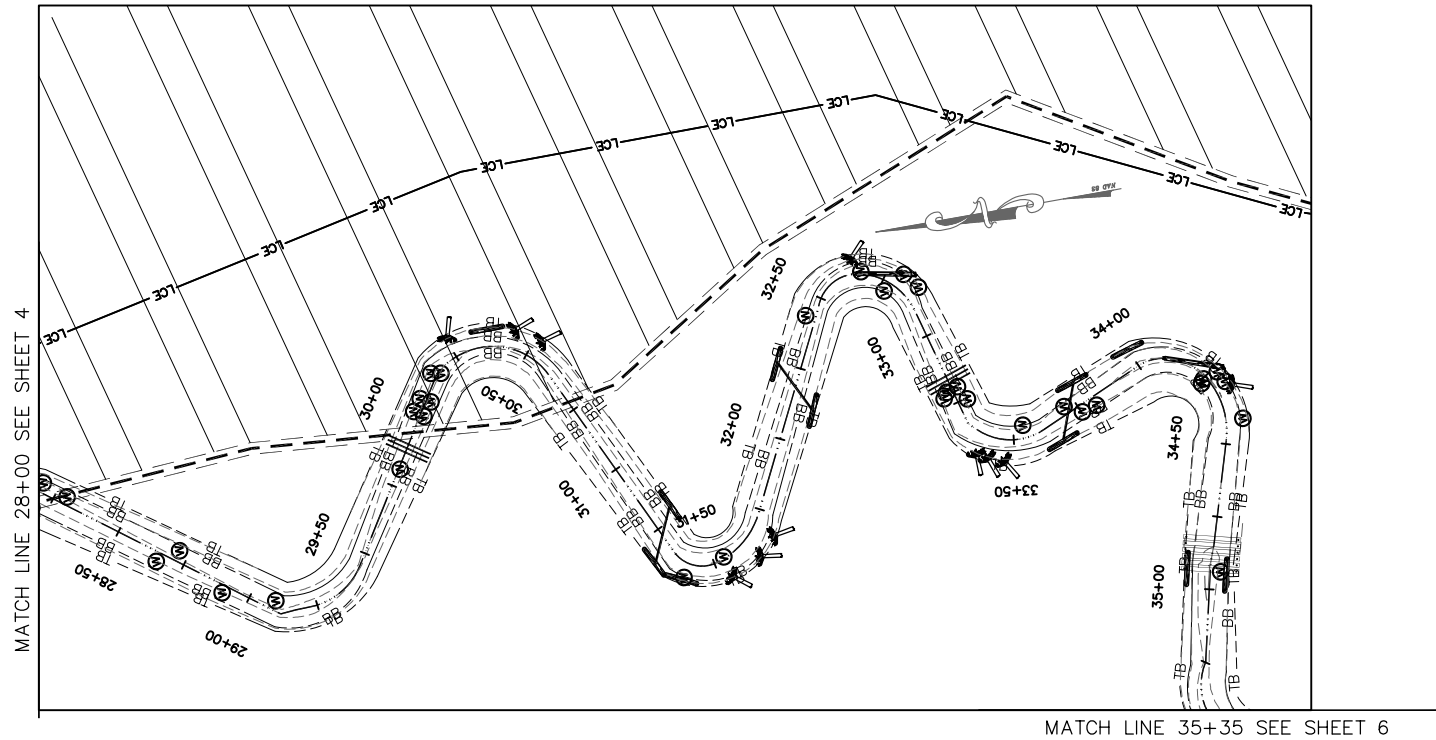
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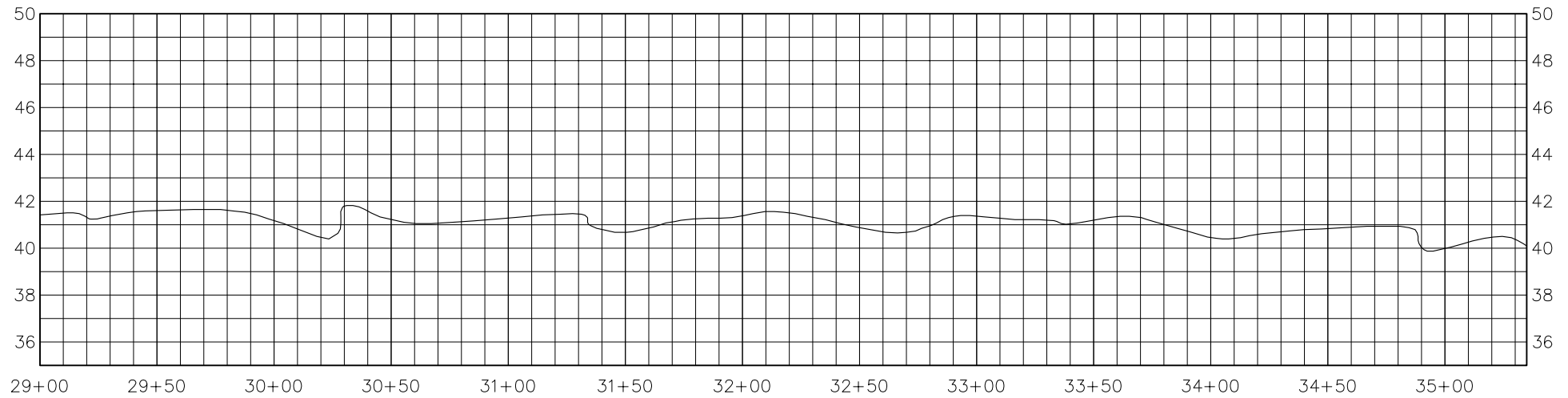
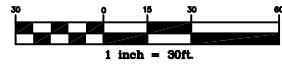
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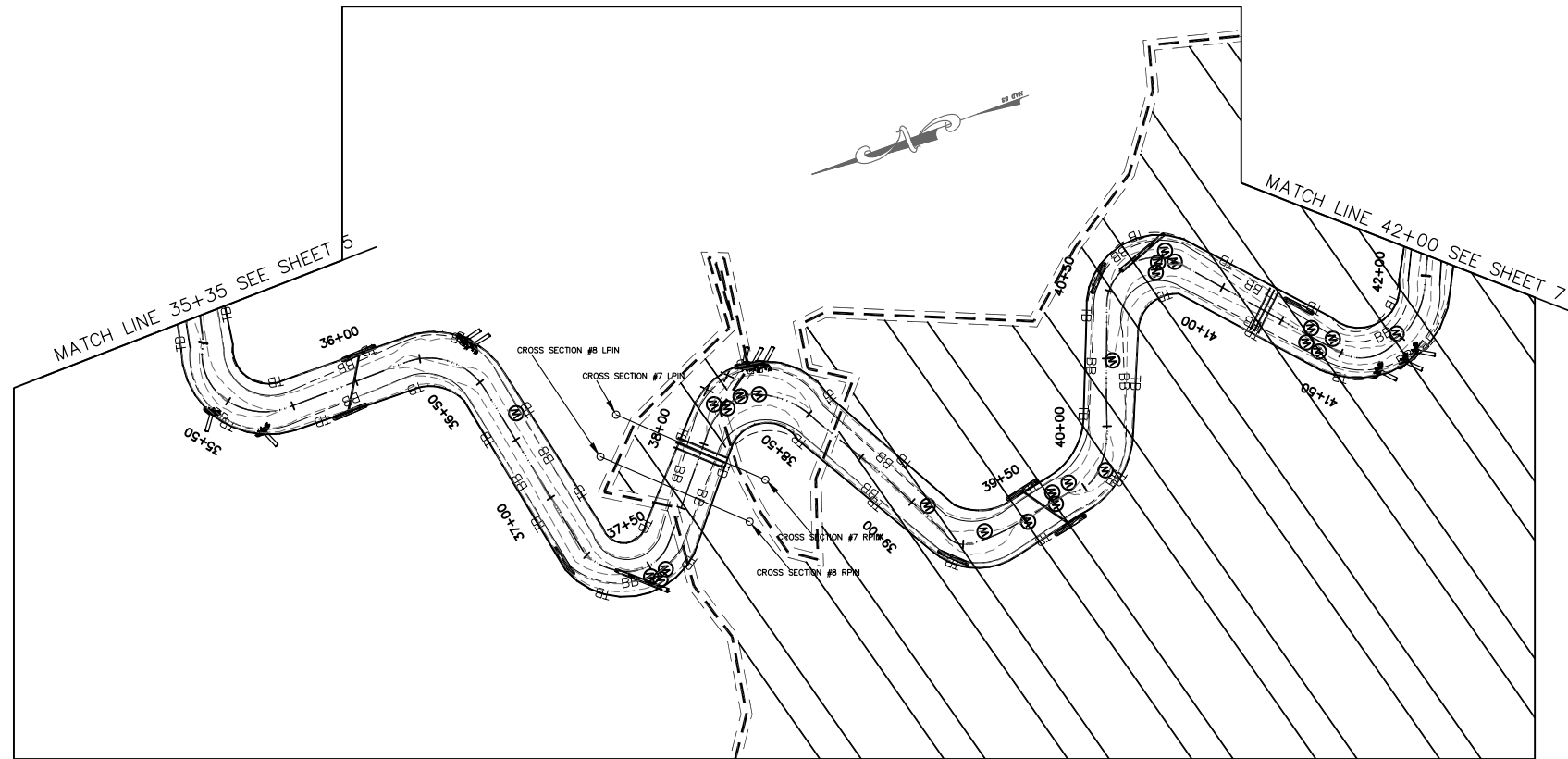
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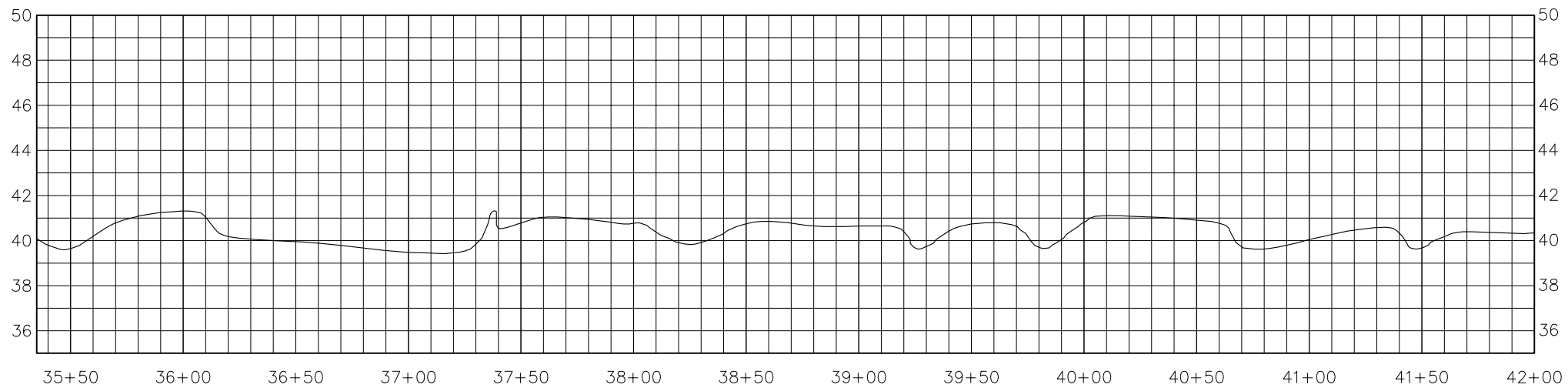
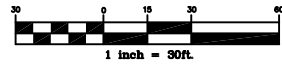
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 - LOG GRADE CONTROL
 - LOG TOE PROTECTION
 - LOG VANE
 - FORD CROSSING
 - ROOT WAD
 - CHANNEL PLUG
 - WETLAND CHANNEL PLUG
 - EXISTING WETLANDS
 - BEDDED LOG STRUCTURE
 - SMALL WOODY DEBRIS



Horizontal Scale: 1 inch = 30ft.
 Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

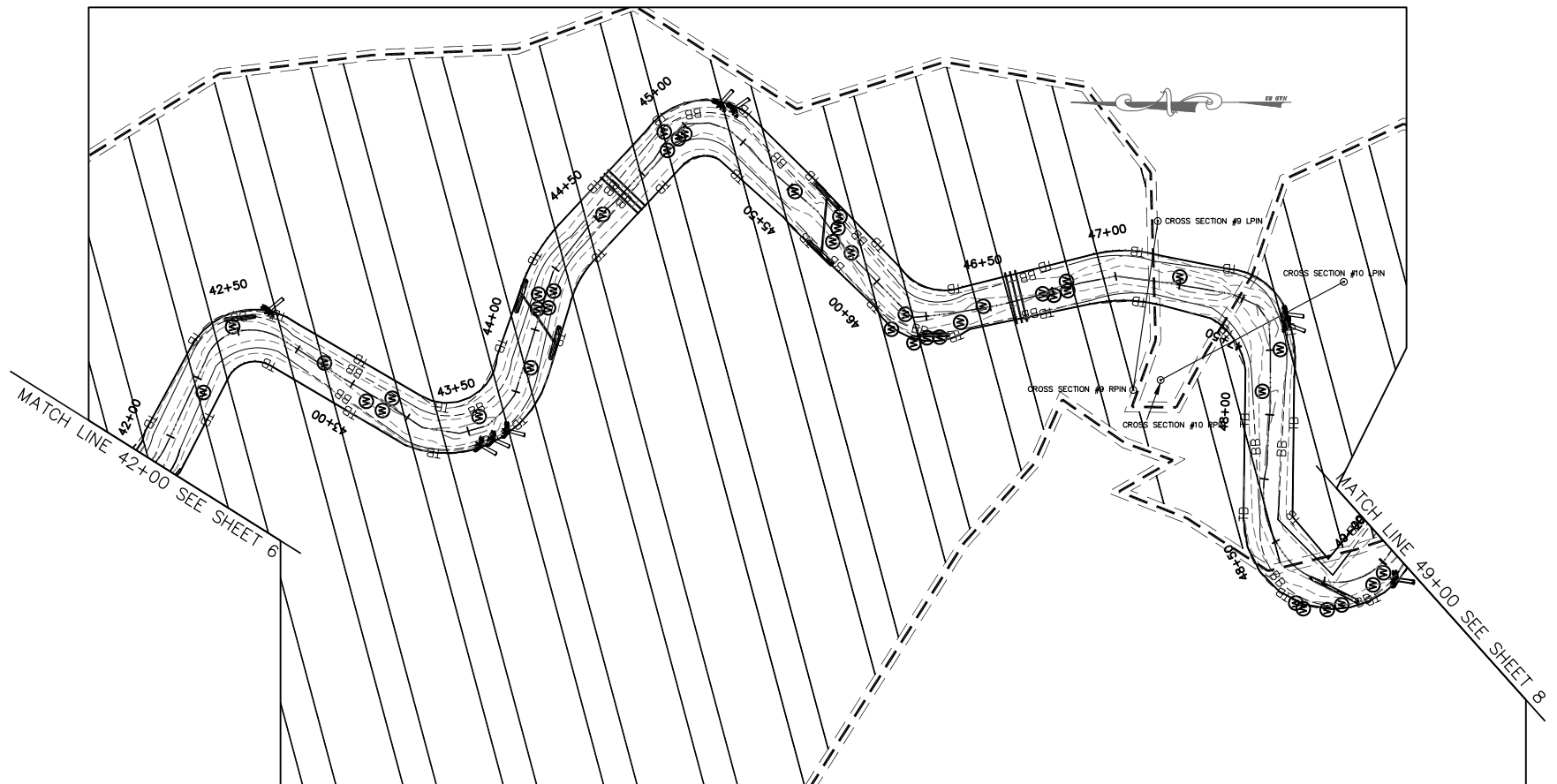
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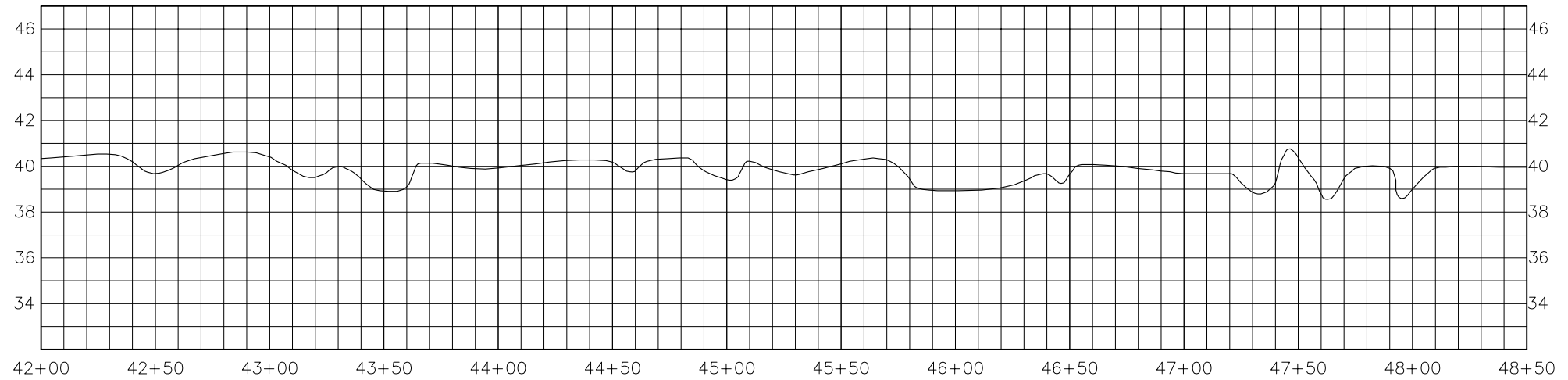
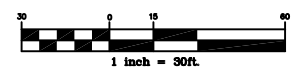
ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
 STA. 35+35 TO STA. 42+00

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- LEGEND**
- EXISTING CONTOURS ————
 - CENTERLINE OF EXISTING DITCH - - - -
 - BOTTOM OF BANK ——— BB ———
 - TOP OF BANK ——— TB ———
 - LIMITS OF CONSERVATION EASEMENT ——— LCE ———
 - LOG RAMP
 - LOG GRADE CONTROL
 - LOG TOE PROTECTION
 - LOG VANE
 - FORD CROSSING
 - ROOT WAD
 - CHANNEL PLUG
 - WETLAND CHANNEL PLUG
 - EXISTING WETLANDS
 - BEDDED LOG STRUCTURE
 - SMALL WOODY DEBRIS



Horizontal Scale: 1 inch = 30ft.
 Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

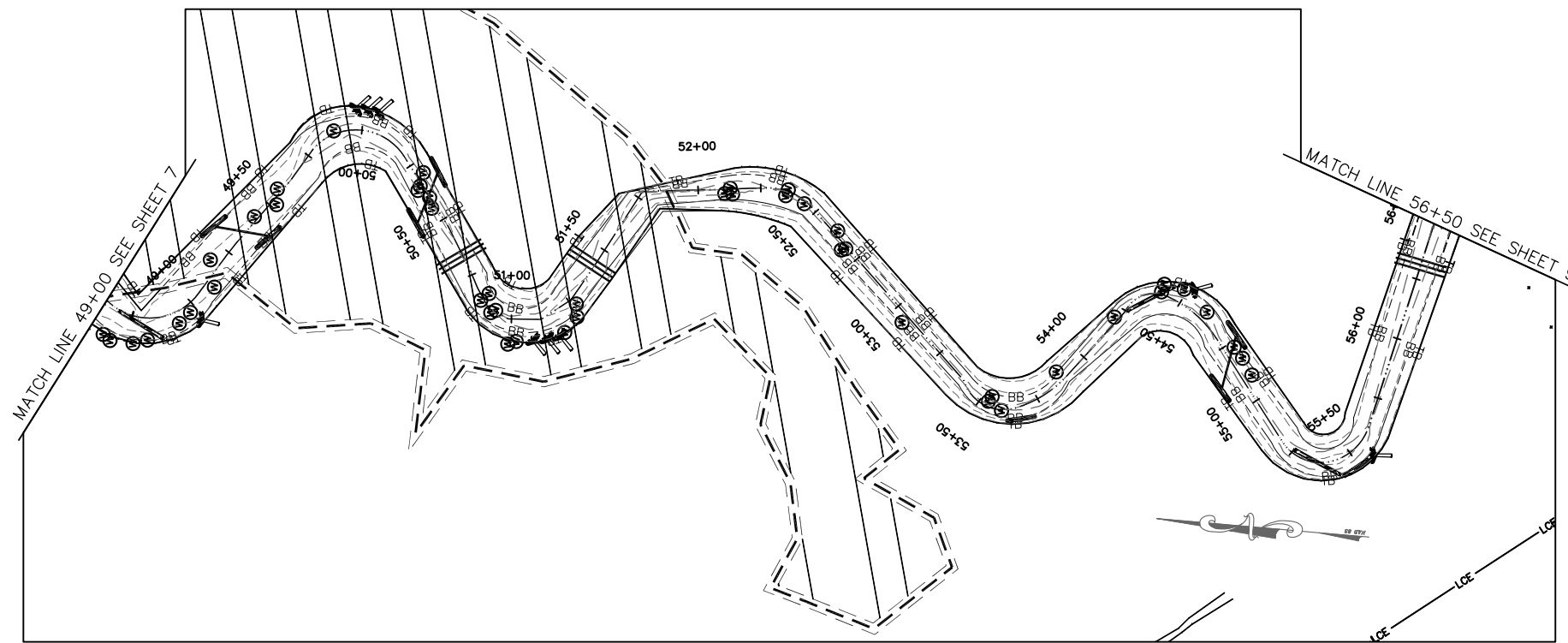
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ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

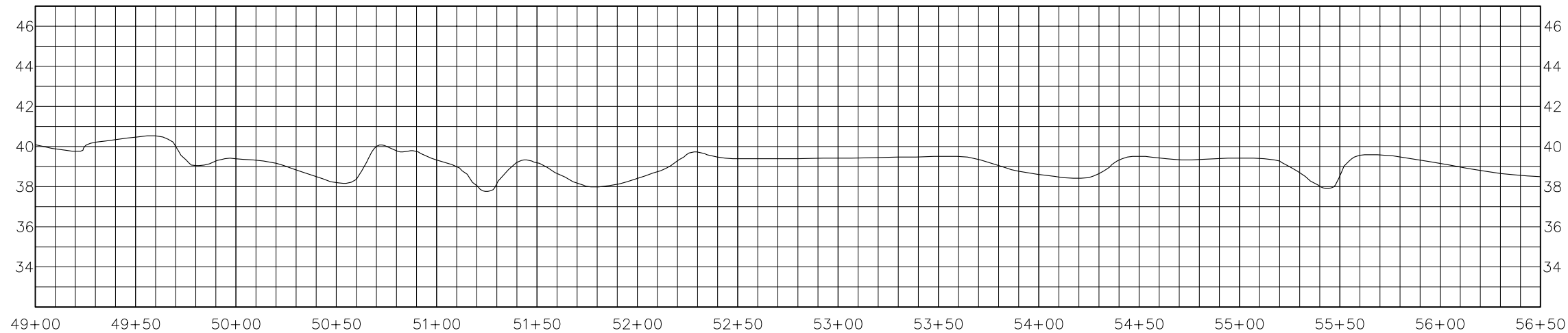
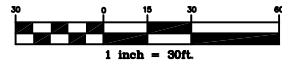
FLOOGIE AS-BUILT PLANS
 STA. 42+00 TO STA. 49+00

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LEGEND

EXISTING CONTOURS	---
CENTERLINE OF EXISTING DITCH	---
BOTTOM OF BANK	BB ---
TOP OF BANK	TB ---
LIMITS OF CONSERVATION EASEMENT	LCE ---
LOG RAMP	
LOG GRADE CONTROL	
LOG TOE PROTECTION	
LOG VANE	
FORD CROSSING	
ROOT WAD	
CHANNEL PLUG	
WETLAND CHANNEL PLUG	
EXISTING WETLANDS	
BEDDED LOG STRUCTURE	
SMALL WOODY DEBRIS	



Horizontal Scale: 1 inch = 30ft.
 Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

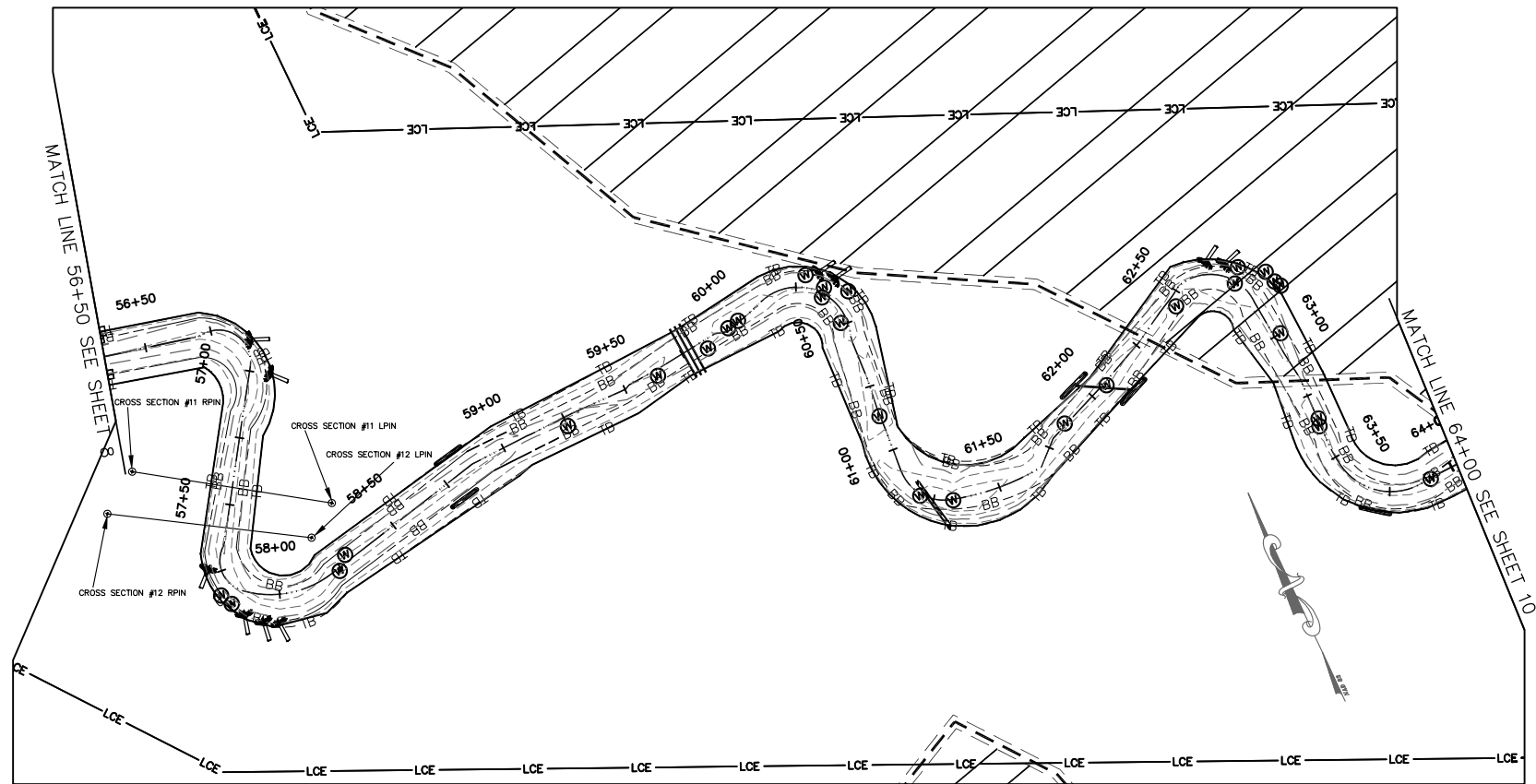
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DRAWN BY JLL	PROJECT DATE 08/2007		APPROVALS	
APPROVED BY DPI	PROJECT NUMBER 5043100RA		BIDDING	
FILE NAME design.dwg	PLT DATE 03/28/08		CONSTRUCTION	
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ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

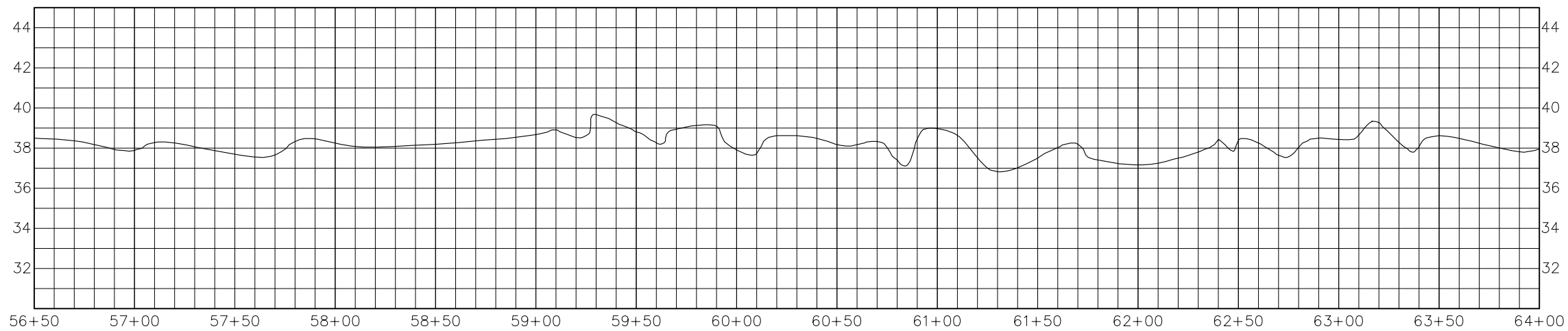
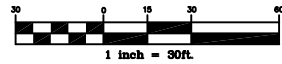
FLOOGIE AS-BUILT PLANS
 STA. 49+00 TO STA. 56+50

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LEGEND

EXISTING CONTOURS	---
CENTERLINE OF EXISTING DITCH	---
BOTTOM OF BANK	BB ---
TOP OF BANK	TB ---
LIMITS OF CONSERVATION EASMENT	LCE ---
LOG RAMP	
LOG GRADE CONTROL	
LOG TOE PROTECTION	
LOG VANE	
FORD CROSSING	
ROOT WAD	
CHANNEL PLUG	
WETLAND CHANNEL PLUG	
EXISTING WETLANDS	
BEDDED LOG STRUCTURE	
SMALL WOODY DEBRIS	



Horizontal Scale: 1 inch = 30ft.
 Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

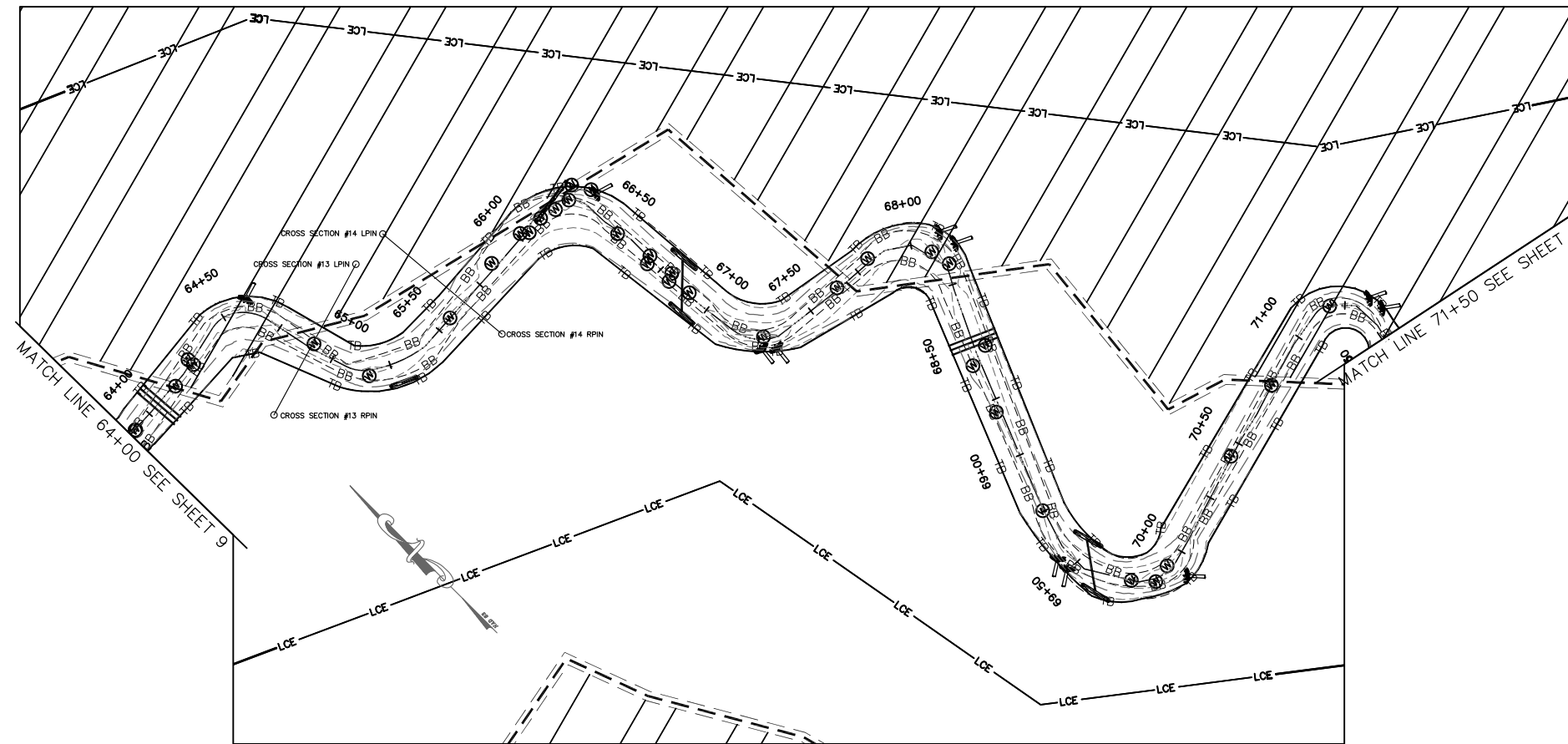
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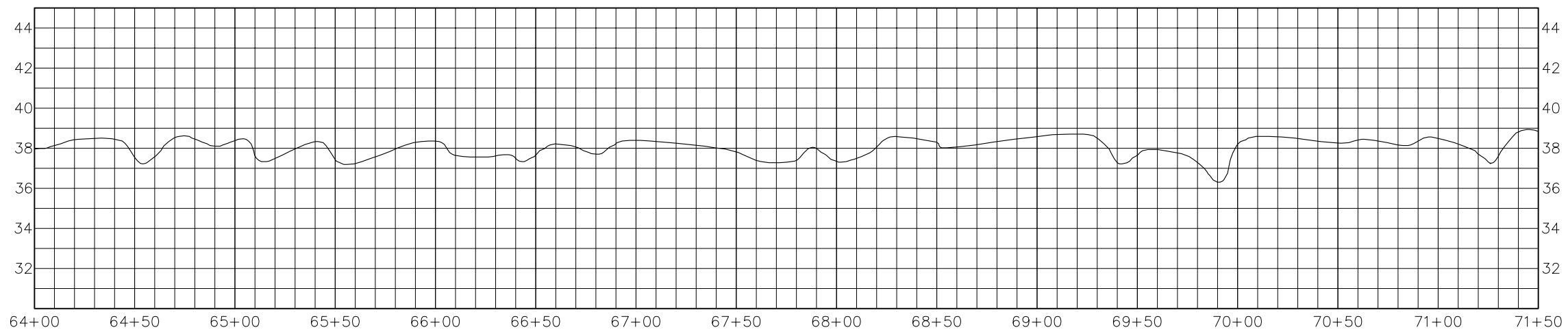
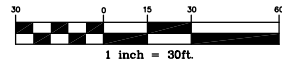
ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
 STA. 56+50 TO STA. 64+00

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LEGEND	
EXISTING CONTOURS	--- --- ---
CENTERLINE OF EXISTING DITCH	--- --- ---
BOTTOM OF BANK	--- BB ---
TOP OF BANK	--- TB ---
LIMITS OF CONSERVATION EASEMENT	--- LCE ---
LOG RAMP	
LOG GRADE CONTROL	
LOG TOE PROTECTION	
LOG VANE	
FORD CROSSING	
ROOT WAD	
CHANNEL PLUG	
WETLAND CHANNEL PLUG	
EXISTING WETLANDS	
BEDDED LOG STRUCTURE	
SMALL WOODY DEBRIS	



Horizontal Scale: 1 inch = 30ft.
 Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

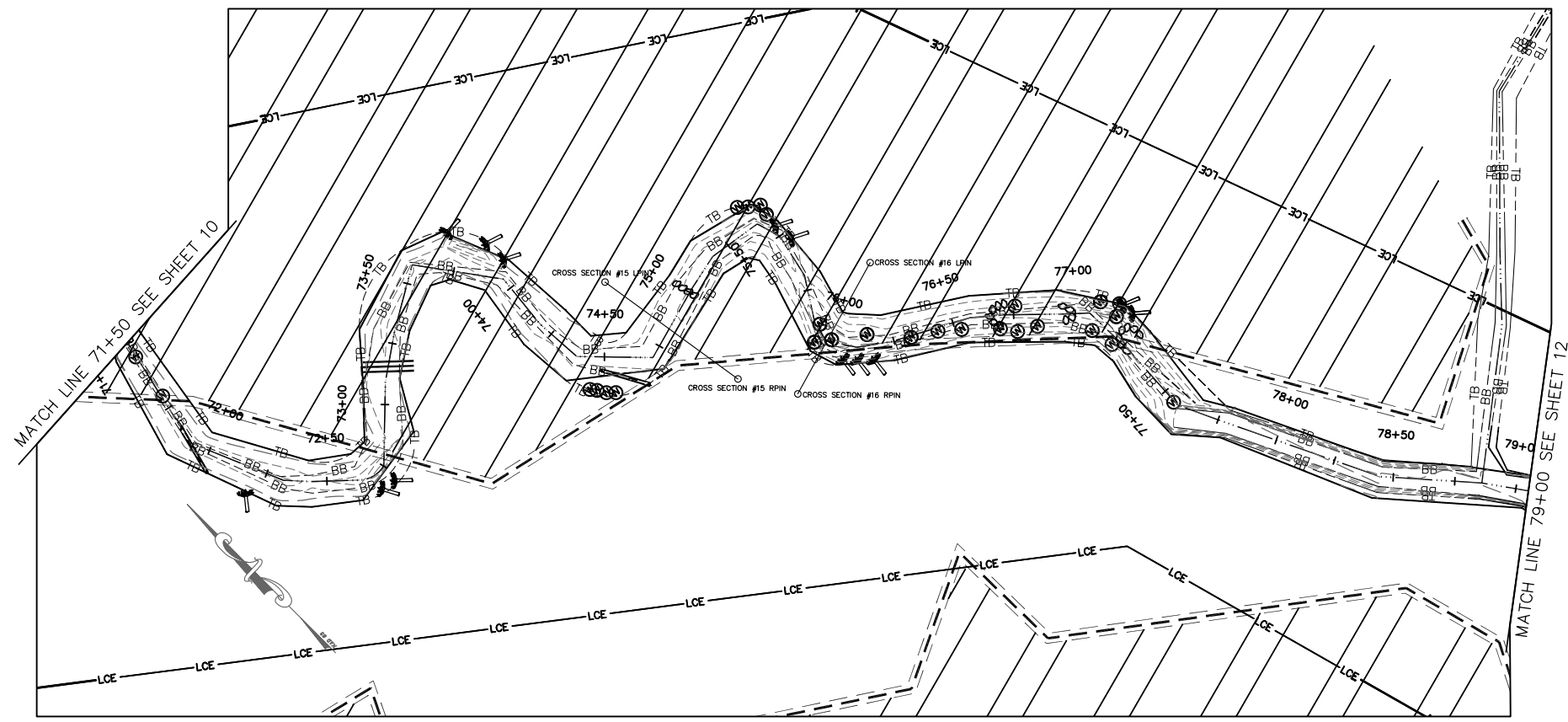
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DRAWN BY JLL	PROJECT DATE 08/2007		BIDDING	
APPROVED BY DPI	PROJECT NUMBER 5043100RA		CONSTRUCTION	
FILE NAME design.dwg	PLOT DATE 03/28/08		RECORD DWG.	



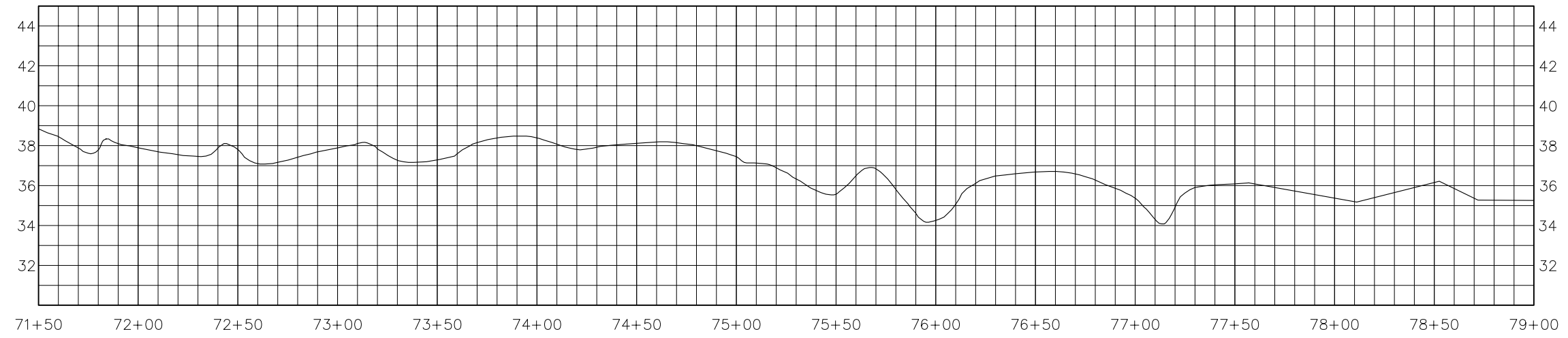
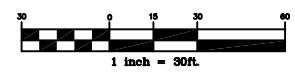
ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
 STA. 64+00 TO STA. 71+50

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- LEGEND**
- EXISTING CONTOURS ———
 - CENTERLINE OF EXISTING DITCH - - - - -
 - BOTTOM OF BANK ——— BB ———
 - TOP OF BANK ——— TB ———
 - LIMITS OF CONSERVATION EASMENT ——— LCE ———
 - LOG RAMP [Symbol]
 - LOG GRADE CONTROL [Symbol]
 - LOG TOE PROTECTION [Symbol]
 - LOG VANE [Symbol]
 - FORD CROSSING [Symbol]
 - ROOT WAD [Symbol]
 - CHANNEL PLUG [Symbol]
 - WETLAND CHANNEL PLUG [Symbol]
 - EXISTING WETLANDS [Symbol]
 - BEDDED LOG STRUCTURE [Symbol]
 - SMALL WOODY DEBRIS [Symbol]



Horizontal Scale: 1 inch = 30ft.
 Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

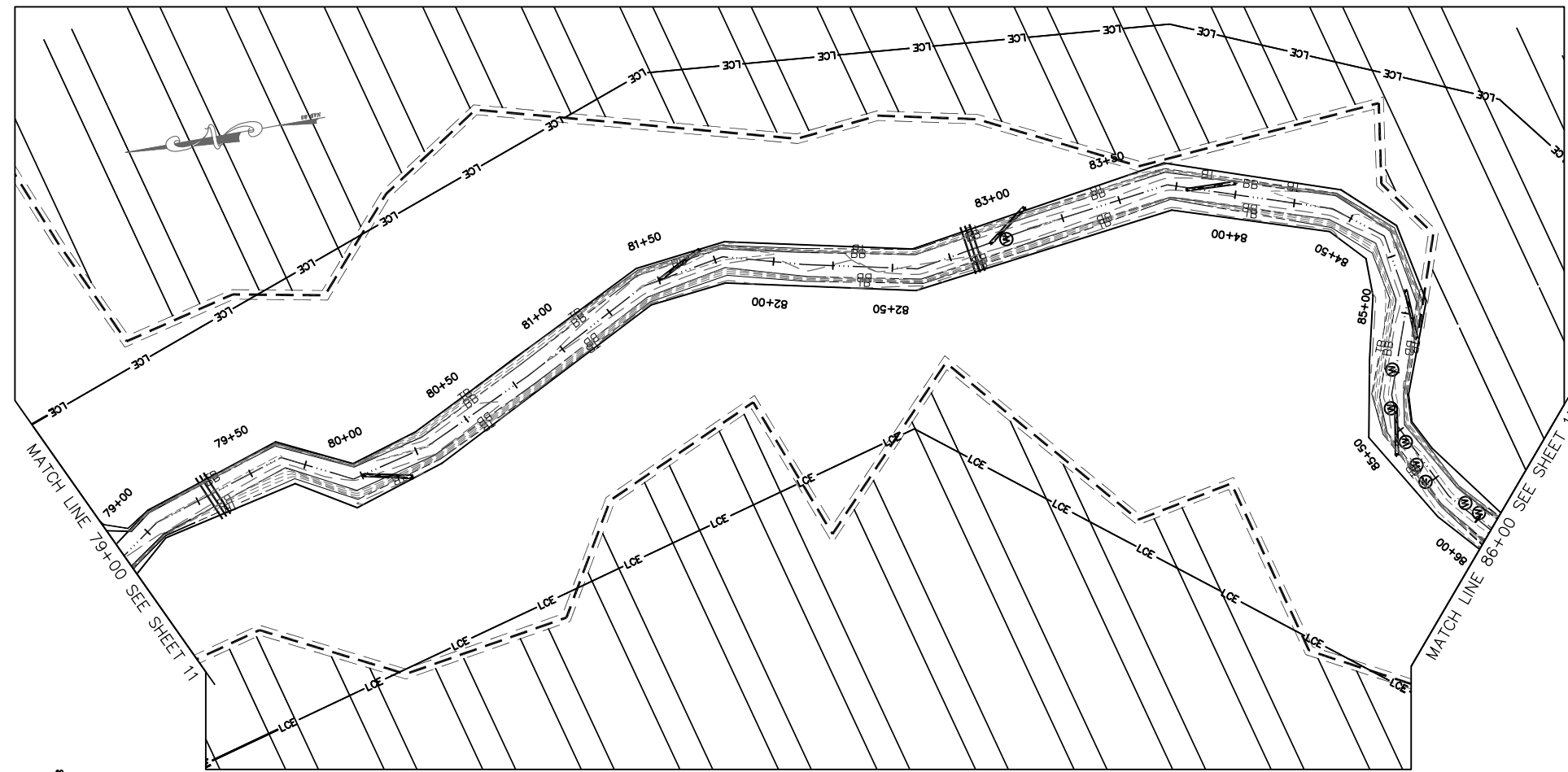
PROJECT MANAGER DPI DRAWN BY JLL APPROVED BY DPI FILE NAME design.dwg	DRAWING SCALE 1" = 30' PROJECT DATE 08/2007 PROJECT NUMBER 5043100RA PLAT DATE 03/28/08	 community infrastructure consultants Office Locations: North Carolina South Carolina Georgia	720 CORPORATE CENTER DRIVE RALEIGH, NC 27607 (919) 782-0495 RELEASED FOR APPROVALS _____ BIDDING _____ CONSTRUCTION _____ RECORD DWG. _____	DATE _____
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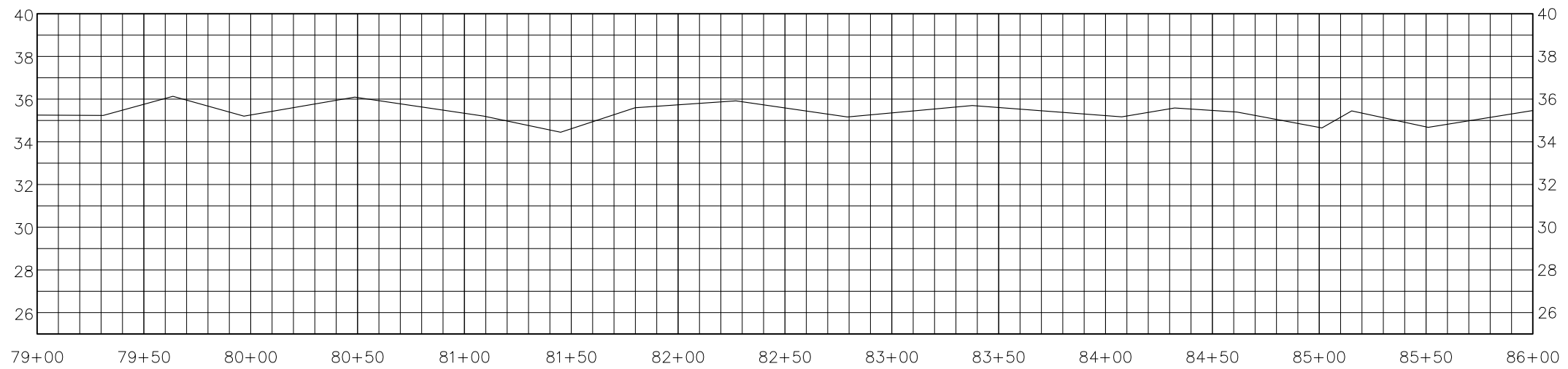
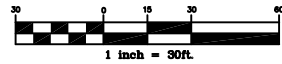
ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
 STA. 71+50 TO STA. 79+00

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- LEGEND**
- EXISTING CONTOURS ———
 - CENTERLINE OF EXISTING DITCH ———
 - BOTTOM OF BANK ——— BB ———
 - TOP OF BANK ——— TB ———
 - LIMITS OF CONSERVATION EASEMENT ——— LCE ———
 - LOG RAMP
 - LOG GRADE CONTROL
 - LOG TOE PROTECTION
 - LOG VANE
 - FORD CROSSING
 - ROOT WAD
 - CHANNEL PLUG
 - WETLAND CHANNEL PLUG
 - EXISTING WETLANDS
 - BEDDED LOG STRUCTURE
 - SMALL WOODY DEBRIS



Horizontal Scale: 1 inch = 30ft.
Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

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 DRAWN BY: JLL
 APPROVED BY: DPI
 FILE NAME: design.dwg
 DRAWING SCALE: 1" = 30'
 PROJECT DATE: 08/2007
 PROJECT NUMBER: 5043100RA
 PLOT DATE: 03/28/08



720 CORPORATE CENTER DRIVE
 RALEIGH, NC 27607
 (919) 782-0495
 Office Locations: North Carolina, Georgia, South Carolina

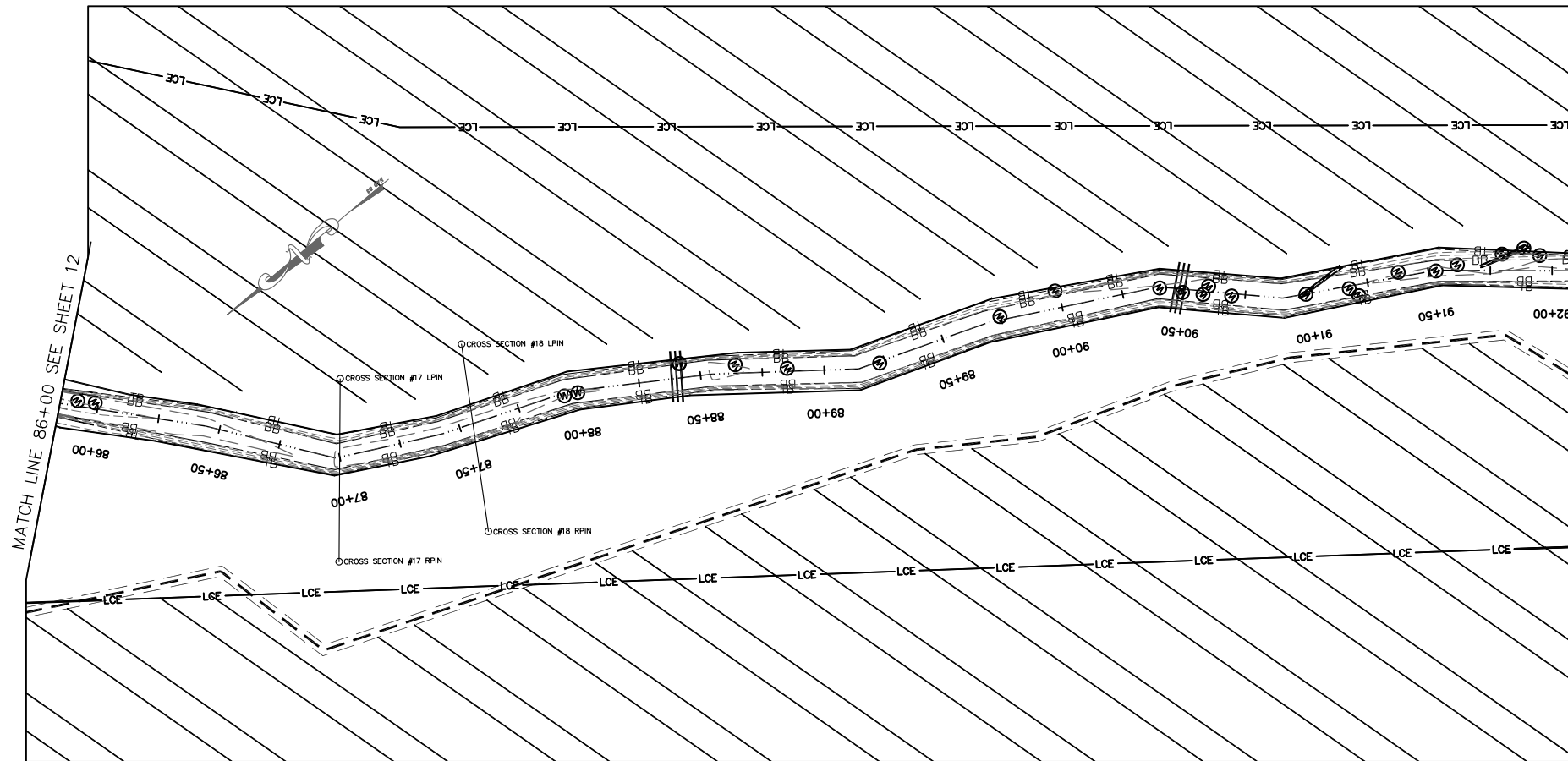
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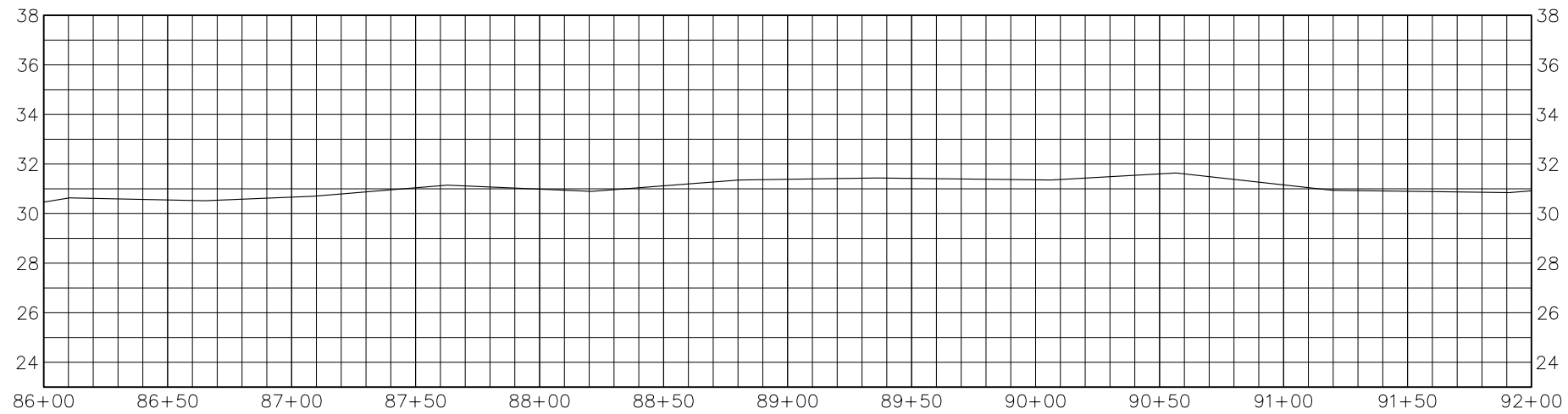
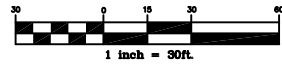
ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
 STA. 79+00 TO STA. 86+00

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- LEGEND**
- EXISTING CONTOURS
 - CENTERLINE OF EXISTING DITCH
 - BOTTOM OF BANK
 - TOP OF BANK
 - LIMITS OF CONSERVATION EASEMENT
 - LOG RAMP
 - LOG GRADE CONTROL
 - LOG TOE PROTECTION
 - LOG VANE
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Horizontal Scale: 1 inch = 30ft.
 Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

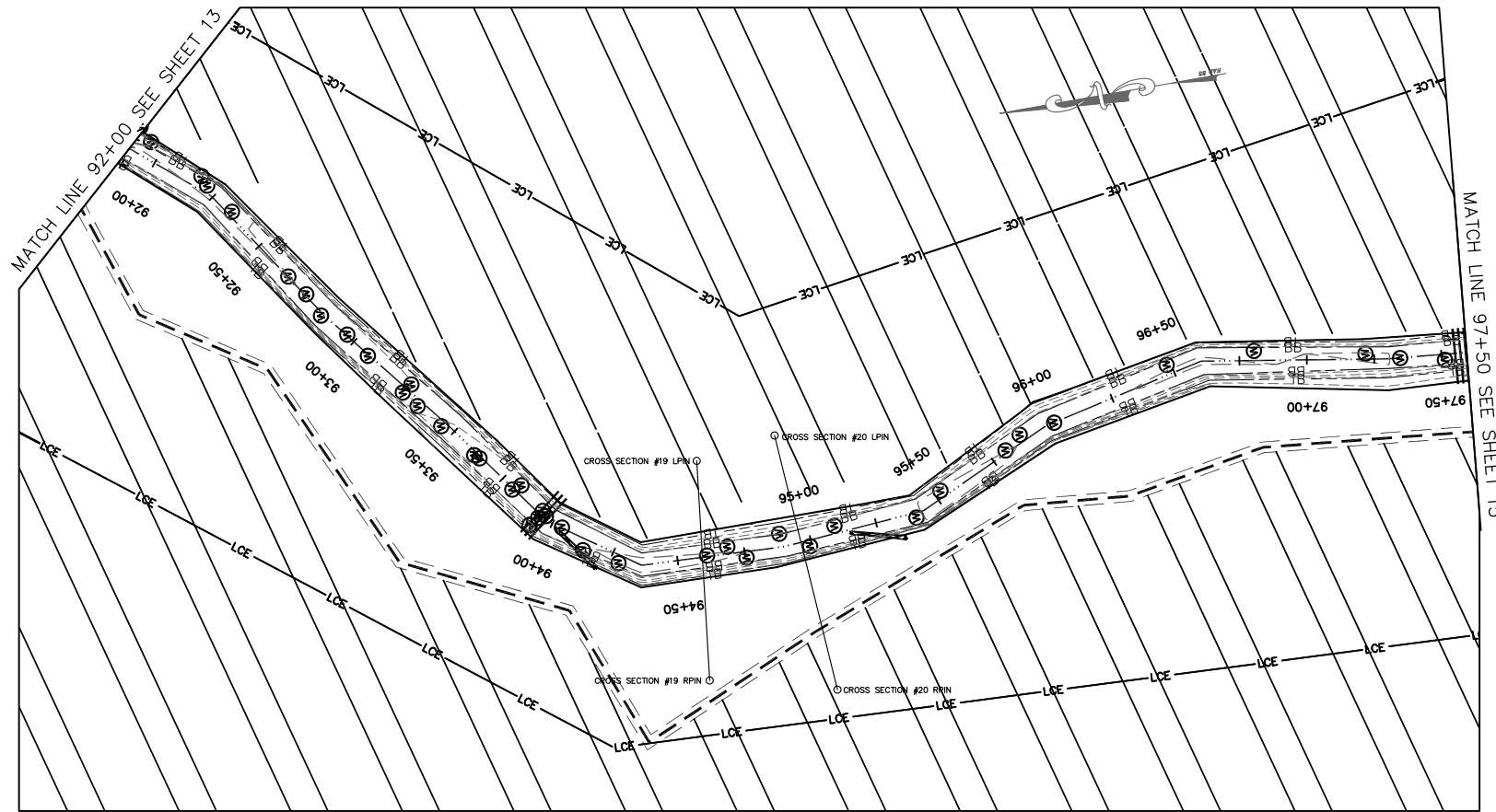
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ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

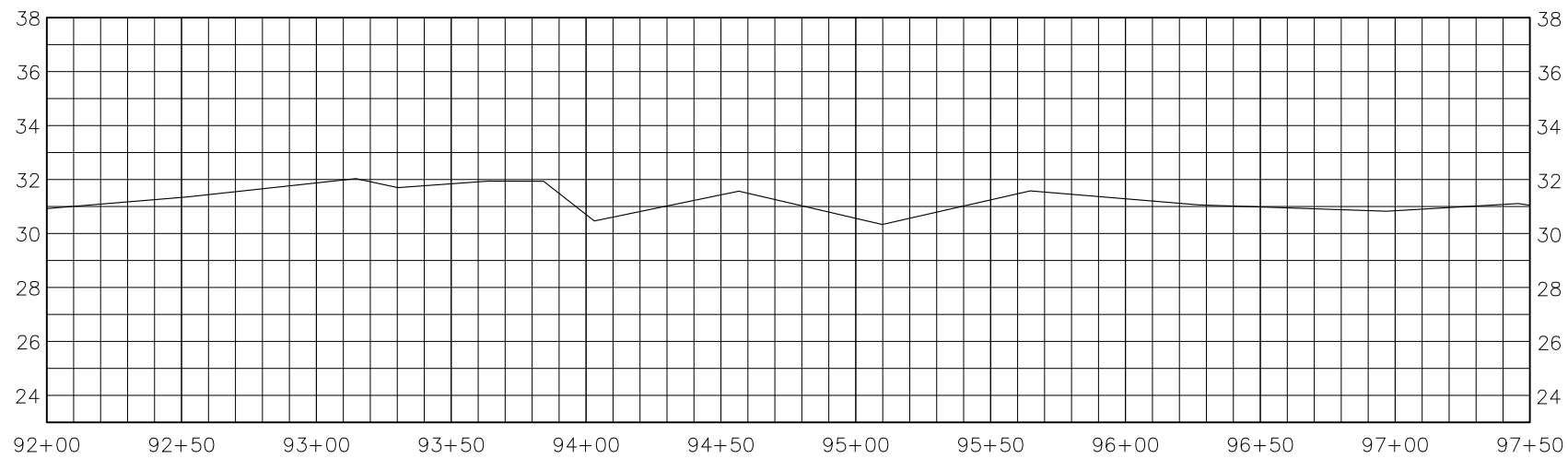
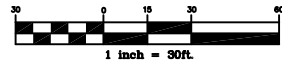
FLOOGIE AS-BUILT PLANS
 STA. 86+00 TO STA. 92+00

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LEGEND

EXISTING CONTOURS	---
CENTERLINE OF EXISTING DITCH	—
BOTTOM OF BANK	BB ---
TOP OF BANK	TB ---
LIMITS OF CONSERVATION EASEMENT	LCE —
LOG RAMP	
LOG GRADE CONTROL	
LOG TOE PROTECTION	
LOG VANE	
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CHANNEL PLUG	
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EXISTING WETLANDS	
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SMALL WOODY DEBRIS	



Horizontal Scale: 1 inch = 30ft.
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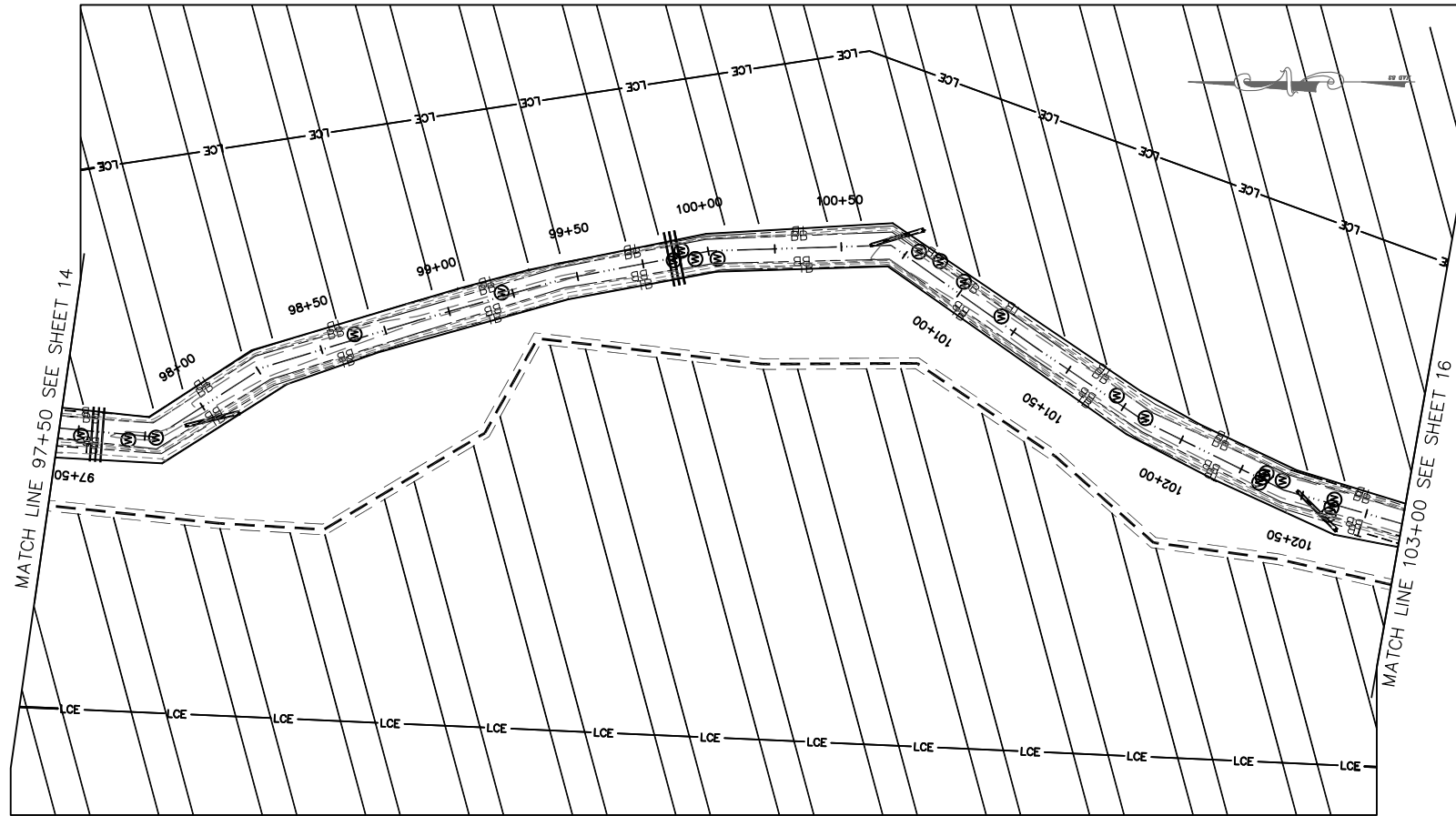
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DRAWN BY JLL	PROJECT DATE 08/2007		BIDDING	
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FILE NAME design.dwg	PLT DATE 03/28/08	RECORD DWG.		



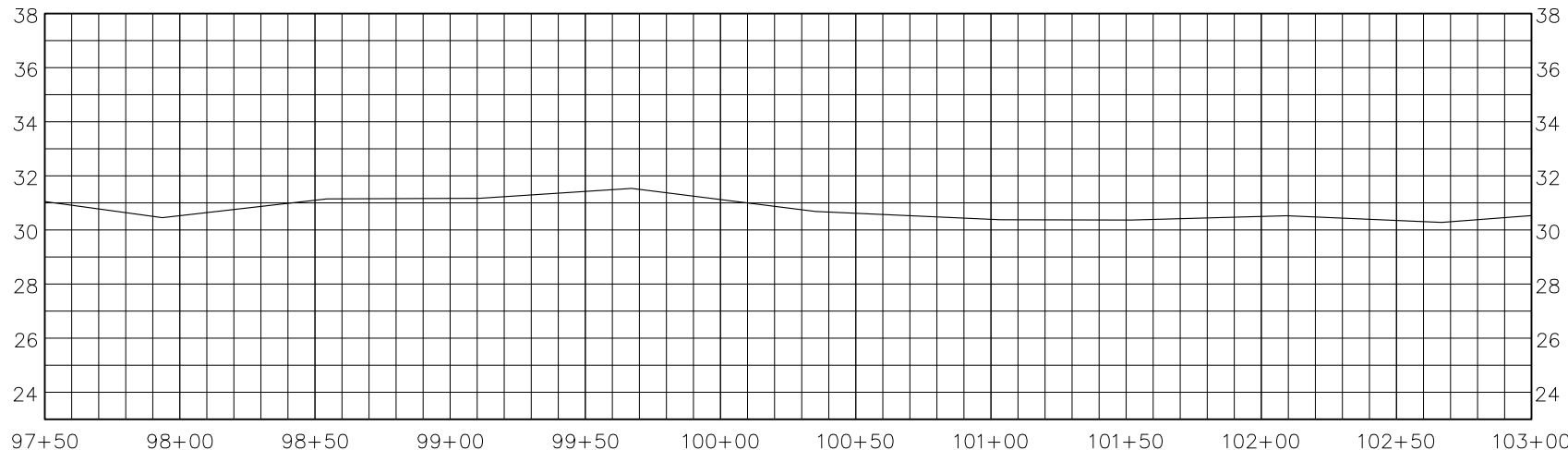
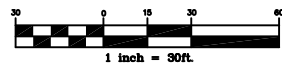
ENVIRONMENTAL BANC & EXCHANGE, LLC
FLOOGIE MITIGATION PROJECT
BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
STA. 92+00 TO STA. 97+50

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- LEGEND**
- EXISTING CONTOURS
 - CENTERLINE OF EXISTING DITCH
 - BOTTOM OF BANK
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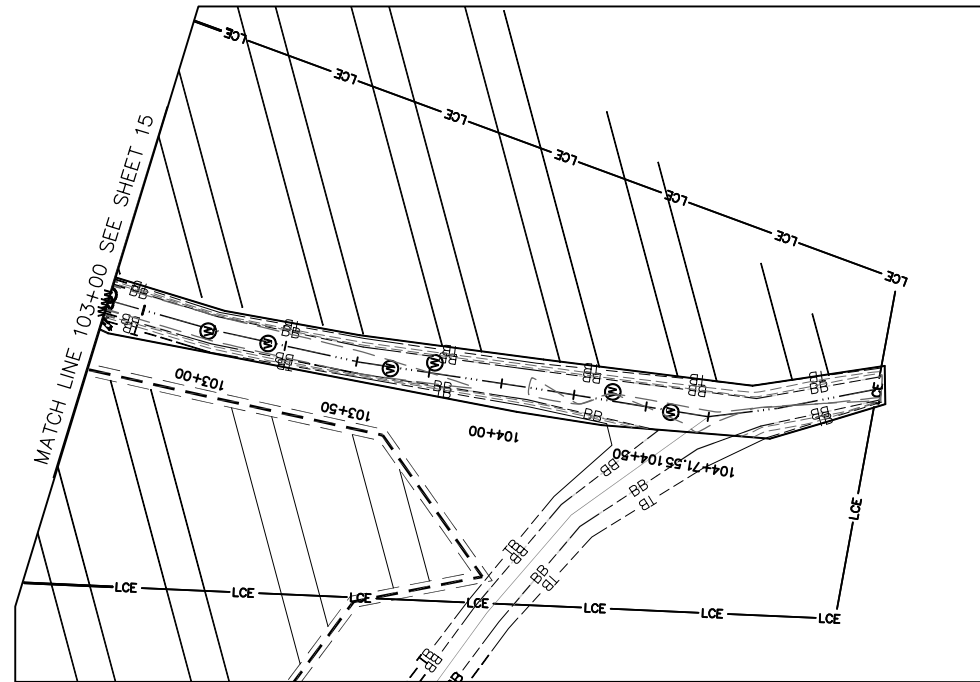
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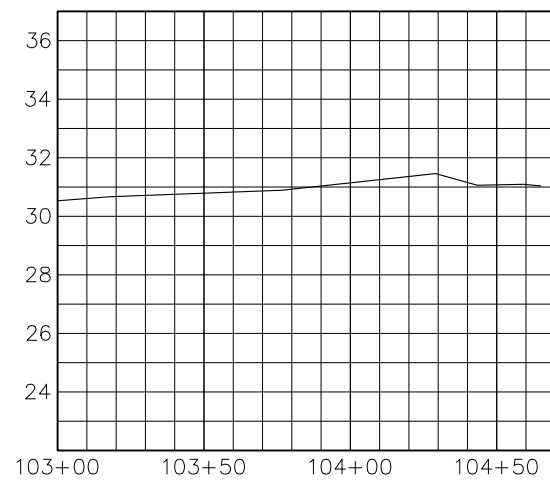
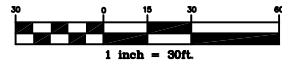
ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
 STA. 97+50 TO STA. 103+00

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- LEGEND**
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 - BOTTOM OF BANK ——— BB ———
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 Vertical Scale: 1 inch = 3ft.

REV. NO.	DESCRIPTION	DATE

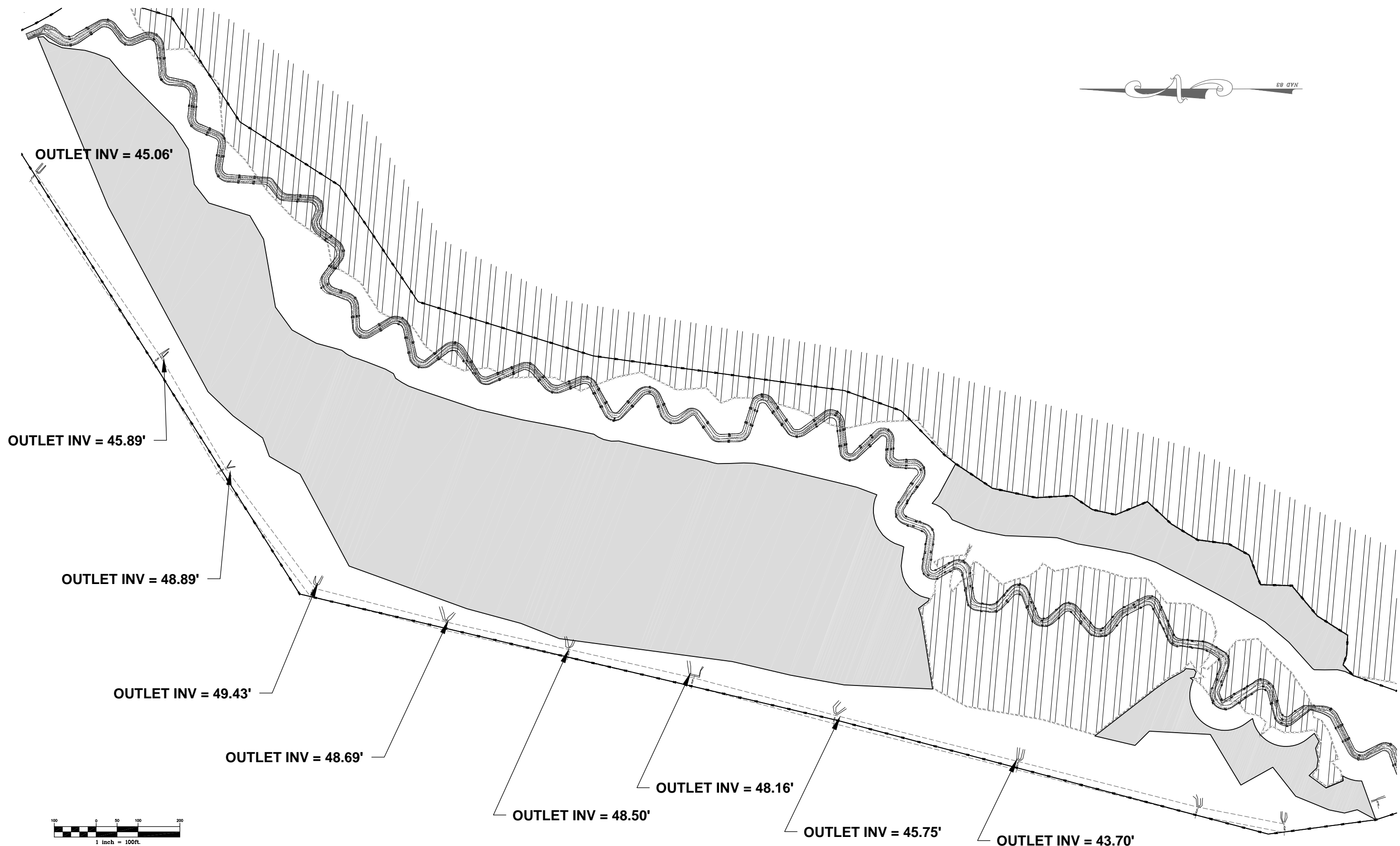
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DRAWN BY JLL	PROJECT DATE 08/2007		Office Locations: North Carolina South Carolina	BIDDING	
APPROVED BY DPI	PROJECT NUMBER 5043100RA	Georgia	CONSTRUCTION		
FILE NAME design.dwg	PLOT DATE 03/28/08		RECORD DWG.		



ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
 STA. 103+00 TO STA. 104+71.55

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REV. NO.	DESCRIPTION	DATE

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 DRAWN BY: JLL
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 FILE NAME: design.dwg



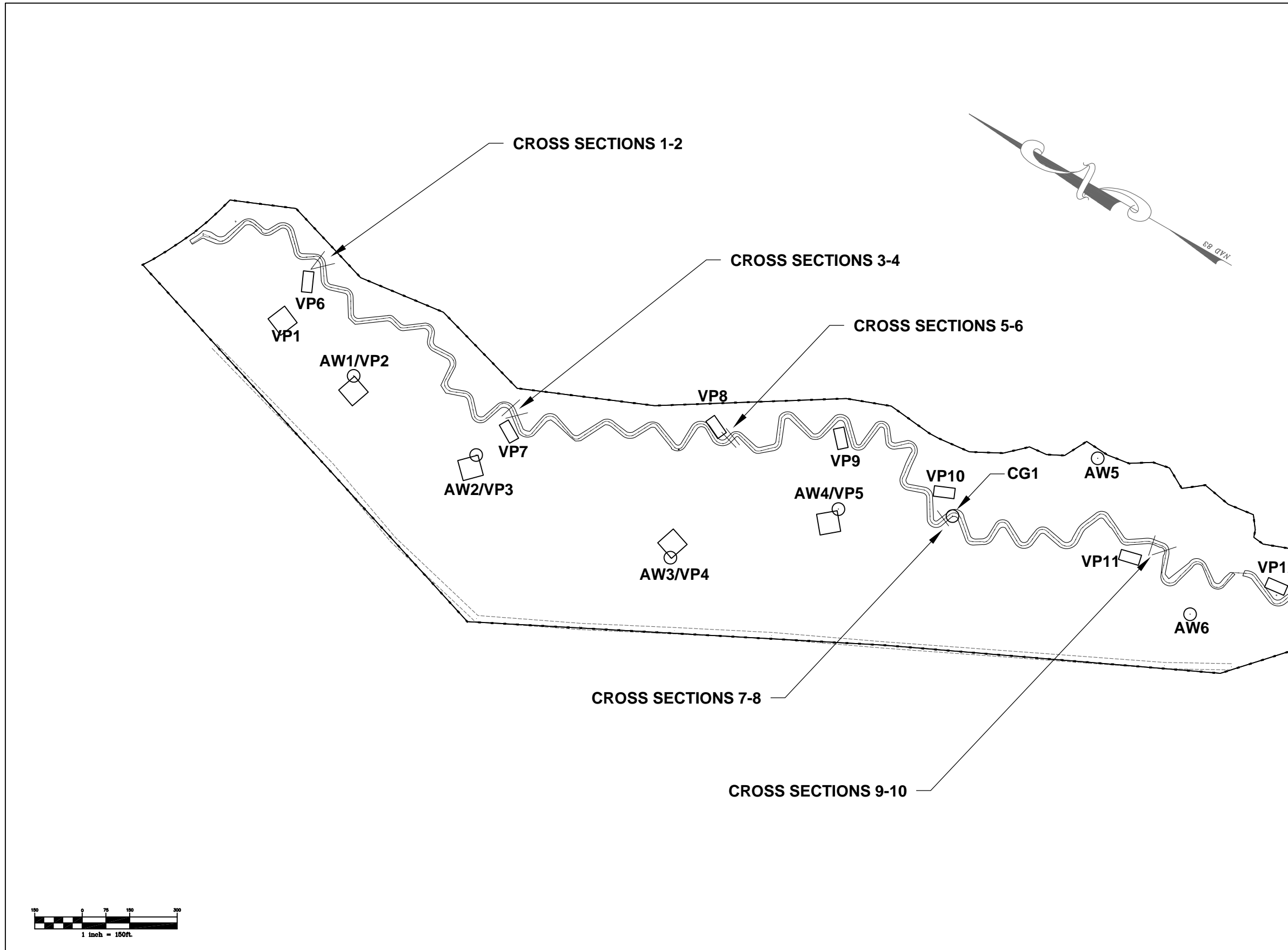
720 CORPORATE CENTER DRIVE
 RALEIGH, NC 27607
 (919) 782-0495
 Office Locations: North Carolina, Georgia, South Carolina



ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
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PROJECT MANAGER: DPI
 DRAWN BY: JLL
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 FILE NAME: design.dwg
 DRAWING SCALE: 1" = 150'
 PROJECT DATE: 08/2007
 PROJECT NUMBER: 5043100RA
 PLOT DATE: 03/28/08



720 CORPORATE CENTER DRIVE
 RALEIGH, NC 27607
 (919) 782-0495
 Office Locations:
 North Carolina Georgia
 South Carolina

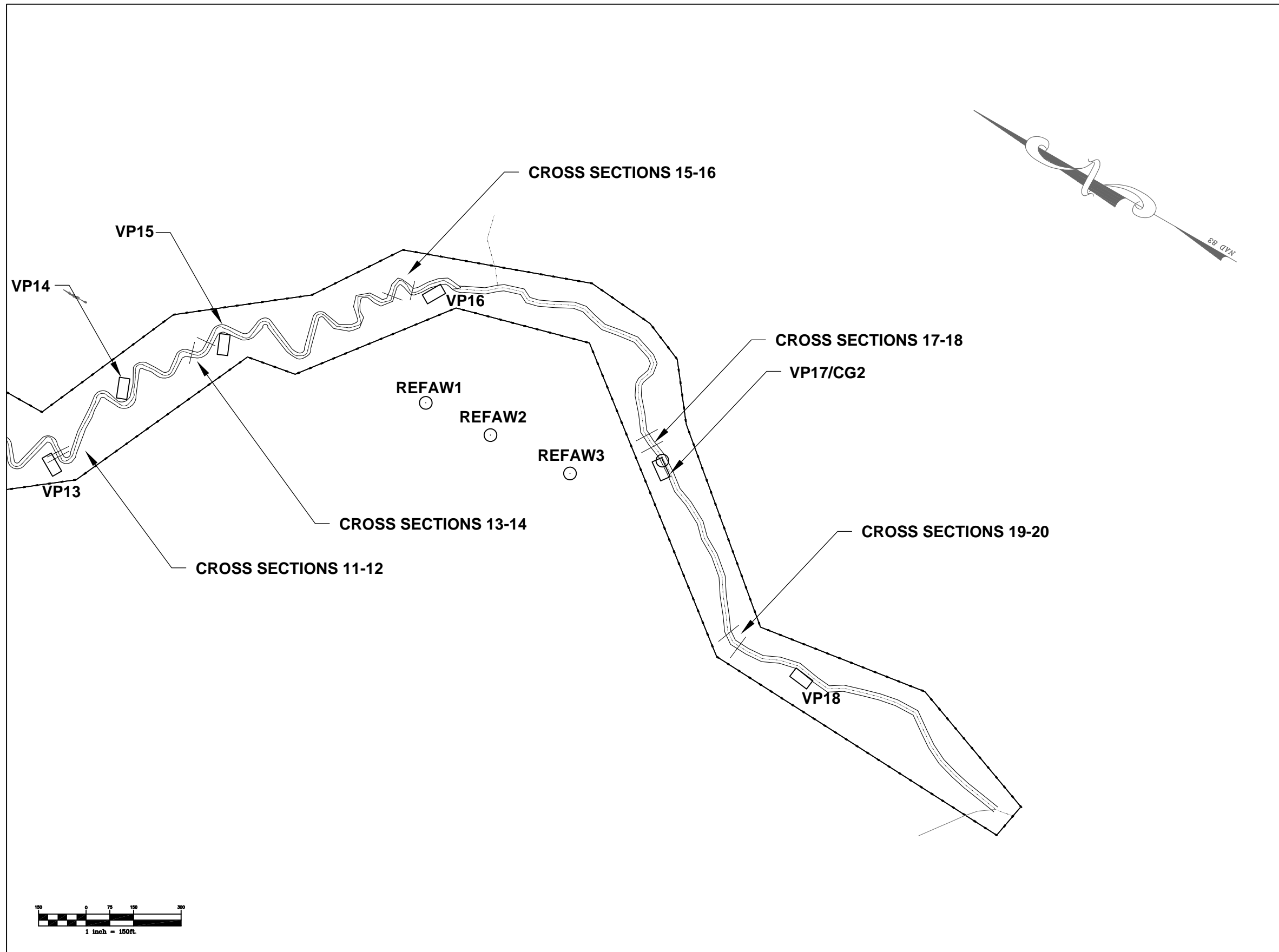
RELEASED FOR	DATE
APPROVALS	
BIDDING	
CONSTRUCTION	
RECORD DWG.	



ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOOGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOOGIE AS-BUILT PLANS
 MONITORING OVERVIEW

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REV. NO.	DESCRIPTION	DATE

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 DRAWN BY: JLL
 APPROVED BY: DPI
 FILE NAME: design.dwg
 DRAWING SCALE: 1" = 150'
 PROJECT DATE: 08/2007
 PROJECT NUMBER: 5043100RA
 PLOT DATE: 03/28/08



720 CORPORATE CENTER DRIVE
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 Office Locations: North Carolina, Georgia, South Carolina

RELEASED FOR	DATE
APPROVALS	
BIDDING	
CONSTRUCTION	
RECORD DWG.	



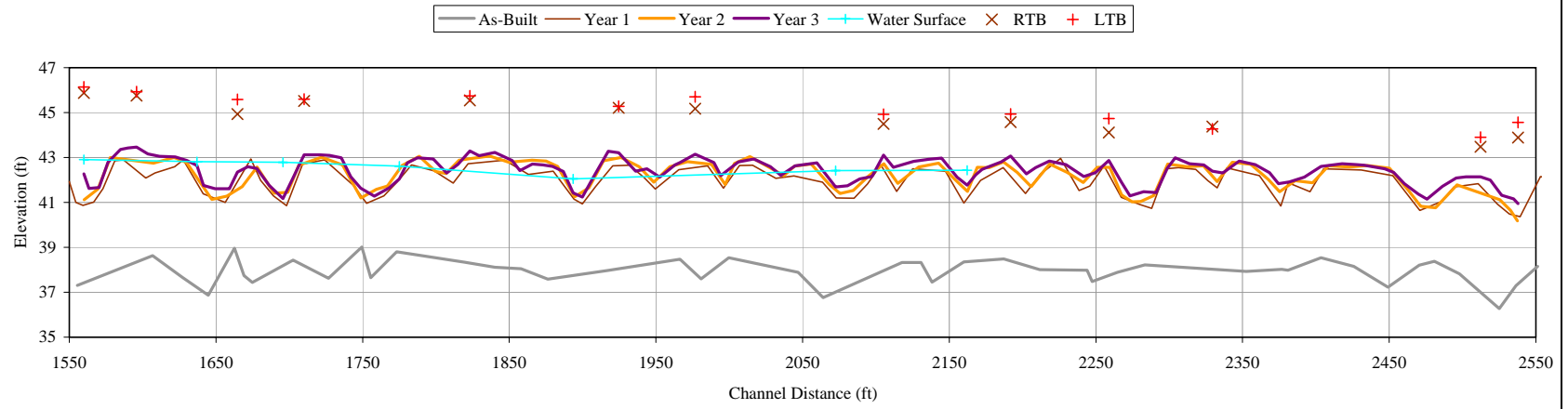
ENVIRONMENTAL BANC & EXCHANGE, LLC
 FLOGGIE MITIGATION PROJECT
 BERTIE COUNTY, NORTH CAROLINA

FLOGGIE AS-BUILT PLANS
 MONITORING OVERVIEW

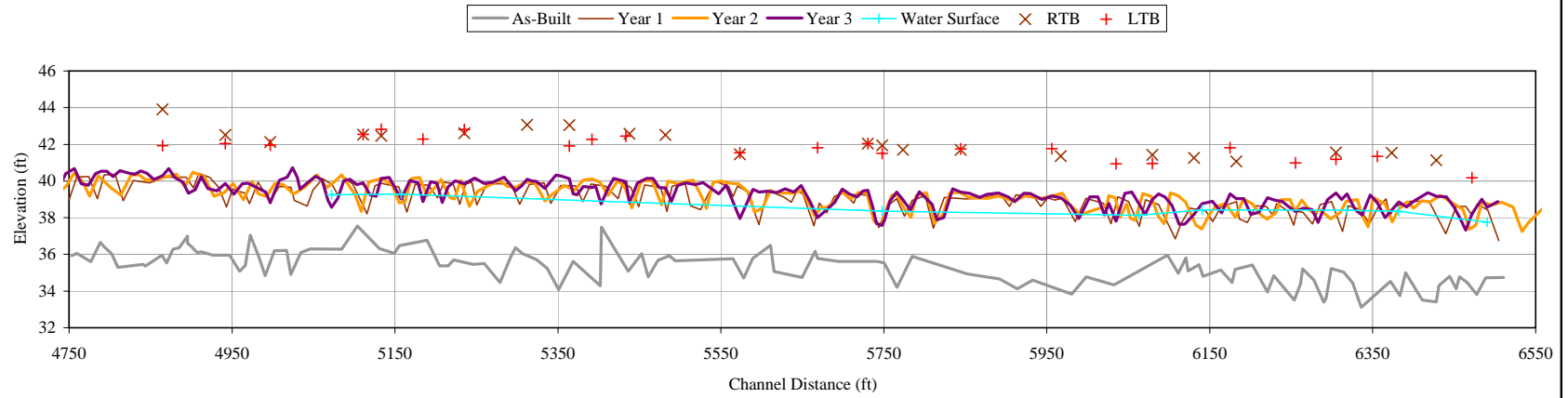
APPENDIX B

2010 Profile and Cross Section Data

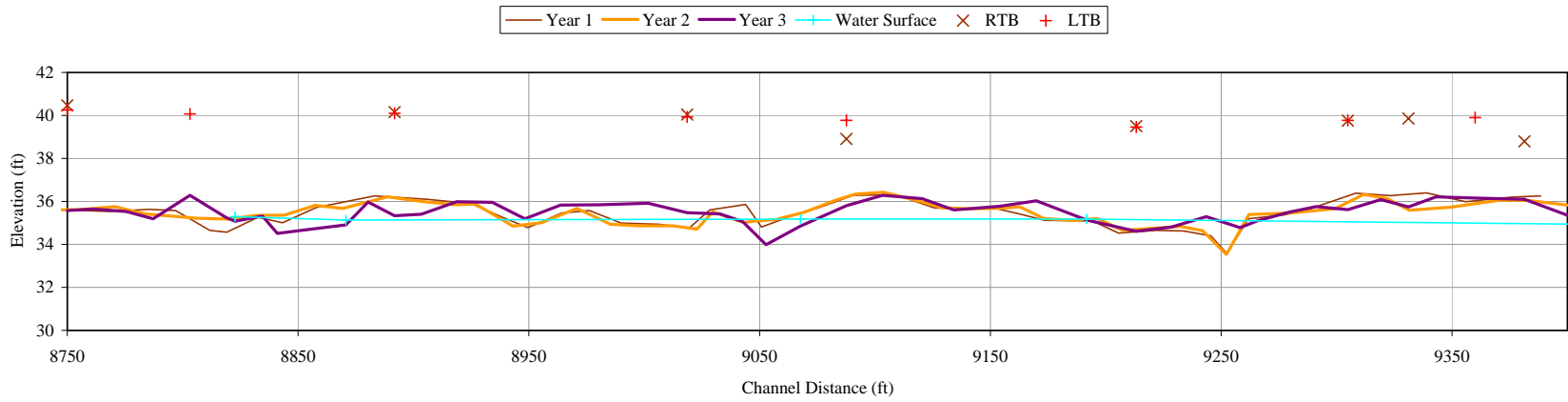
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Reach 1-2 STA. 15+50 - STA. 25+50



Floogie
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Floogie
Reach 4 STA. 87+50 - STA. 94+50

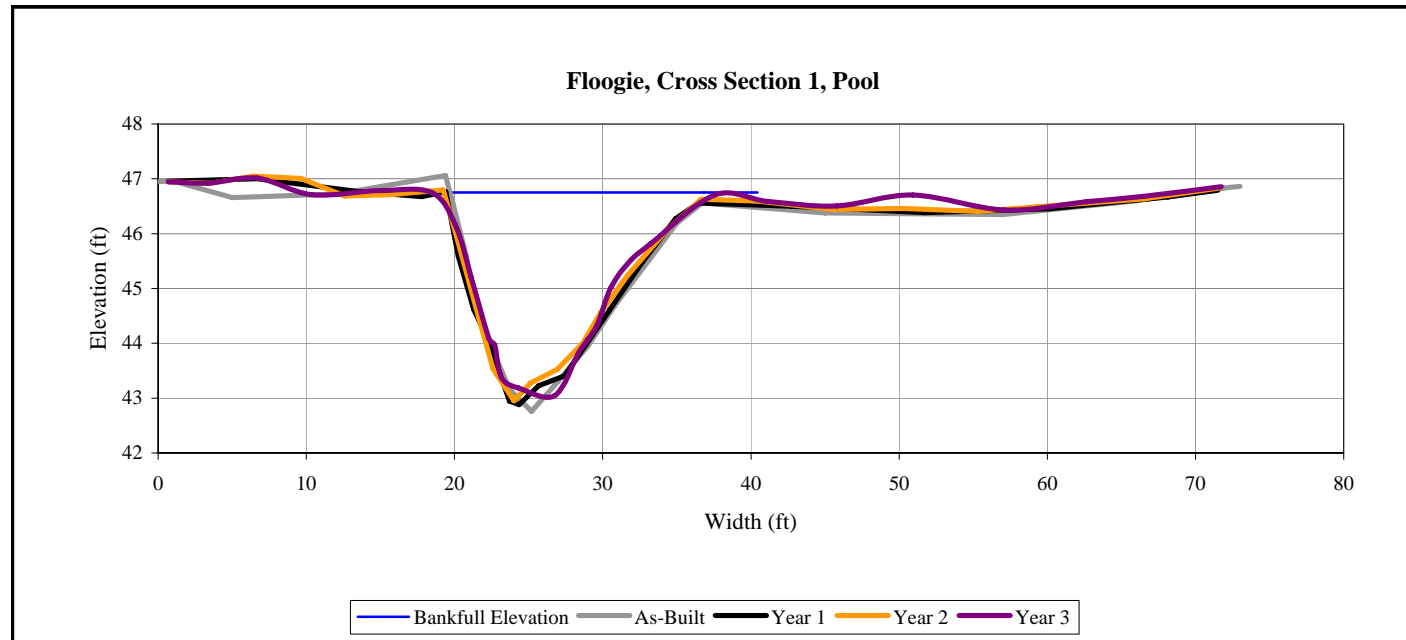




Left bank



Right bank

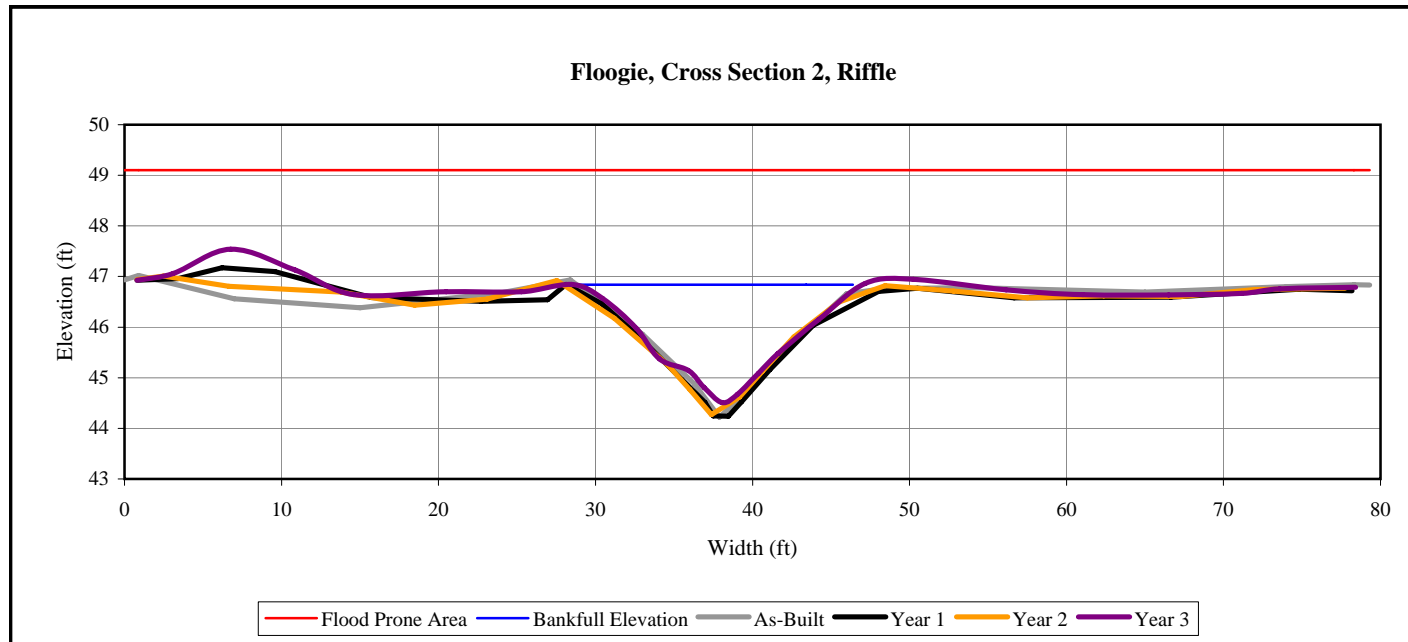


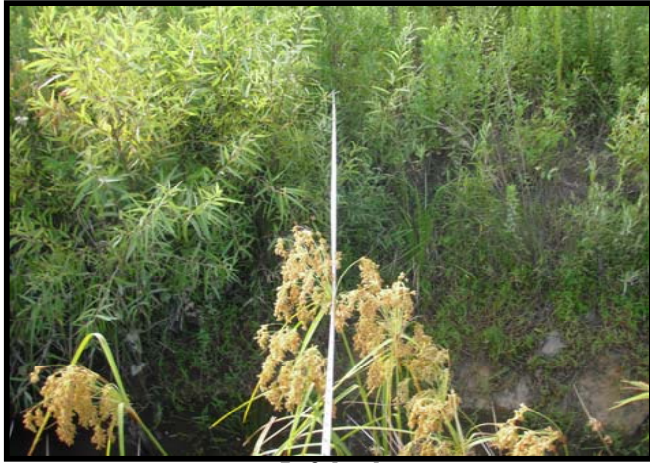


Left bank



Right bank

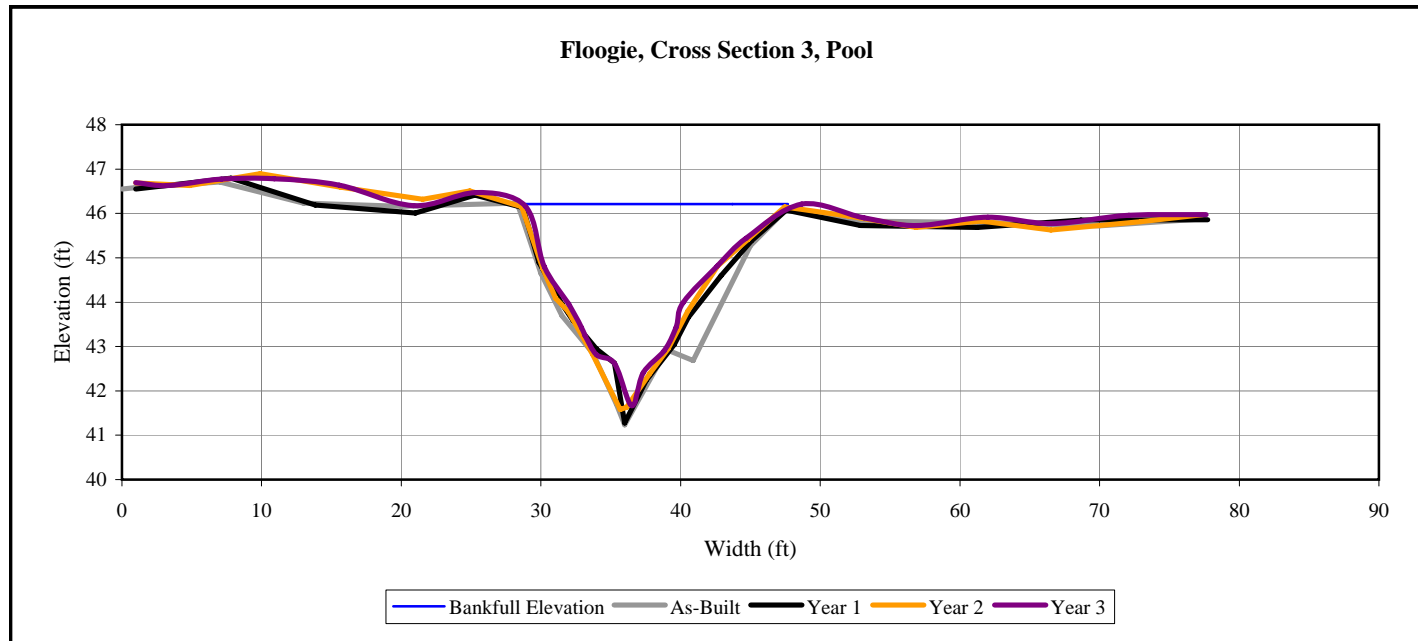




Left bank



Right bank

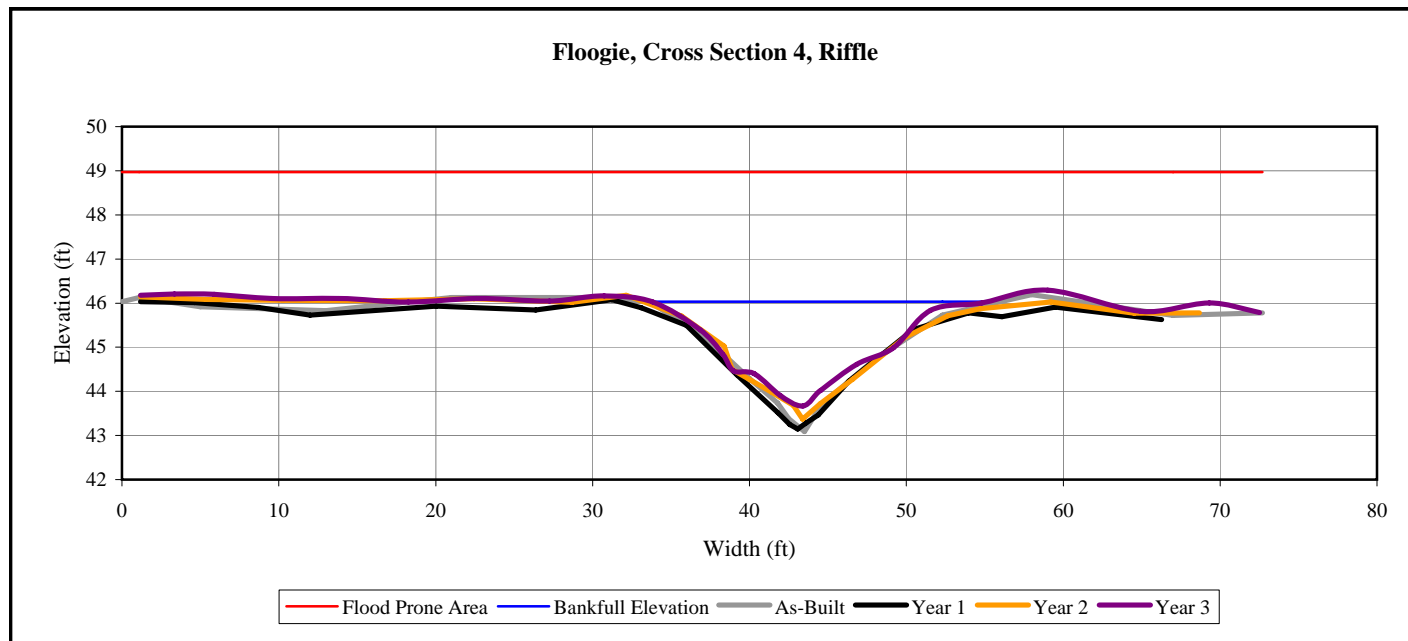




Left bank



Right bank

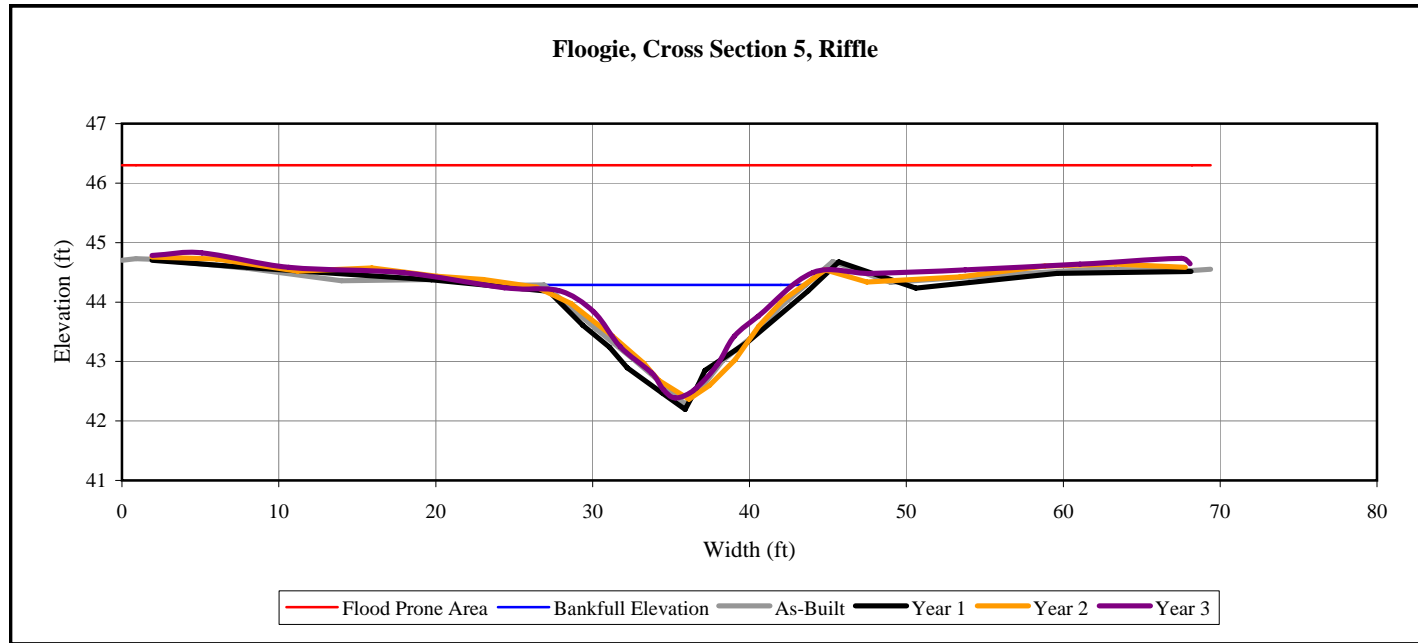


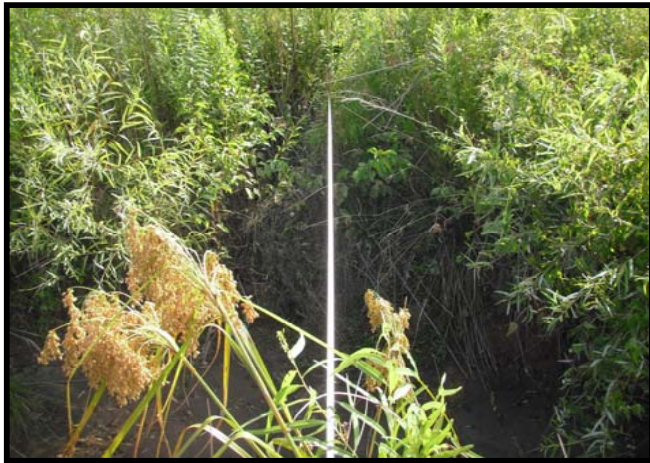


Left bank



Right bank

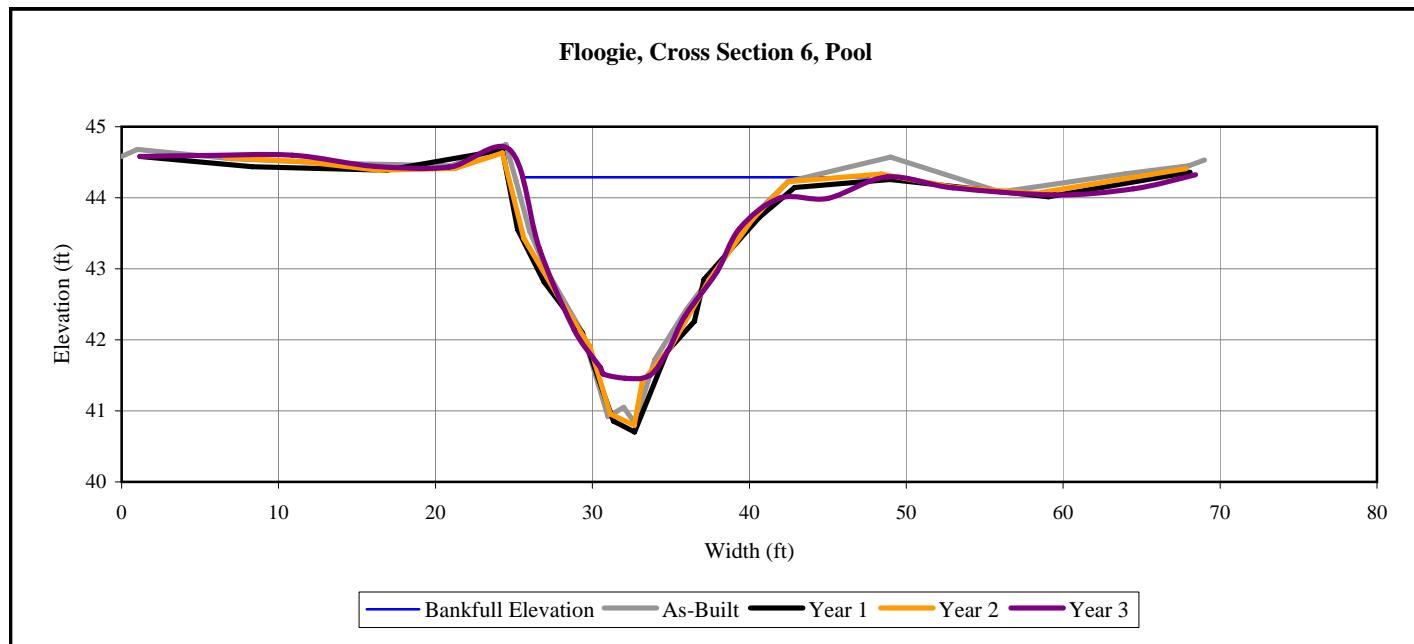




Left bank



Right bank

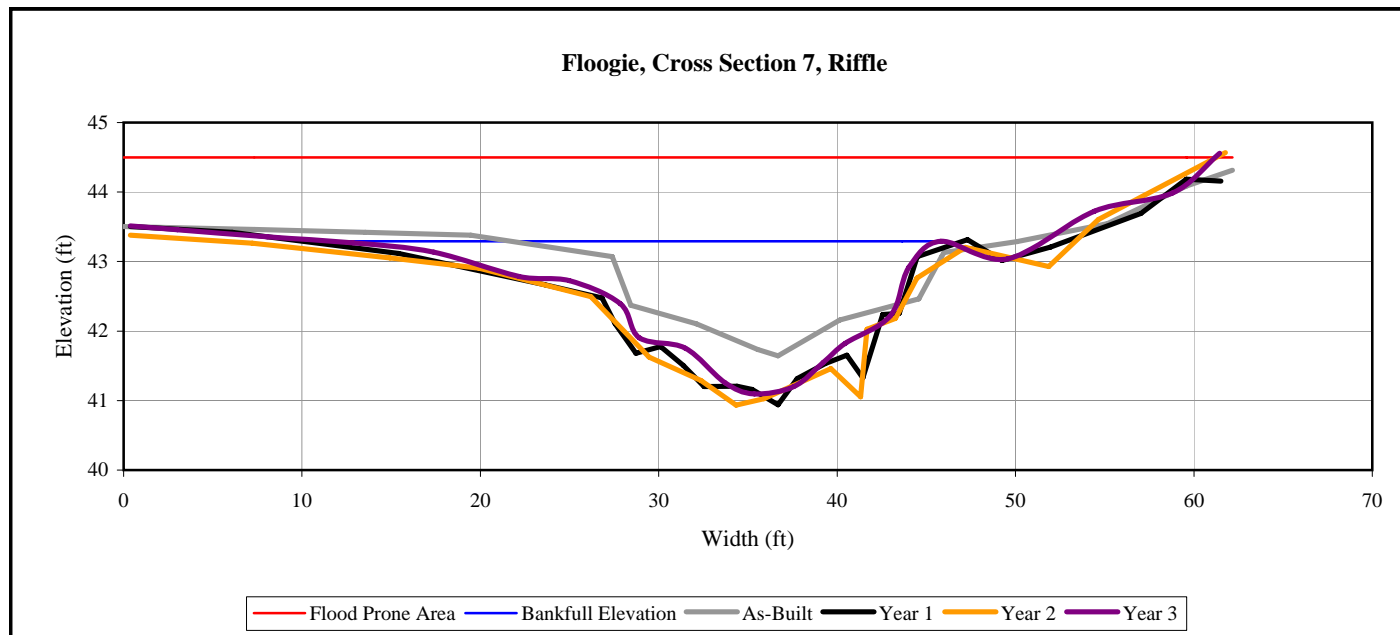




Left bank



Right bank

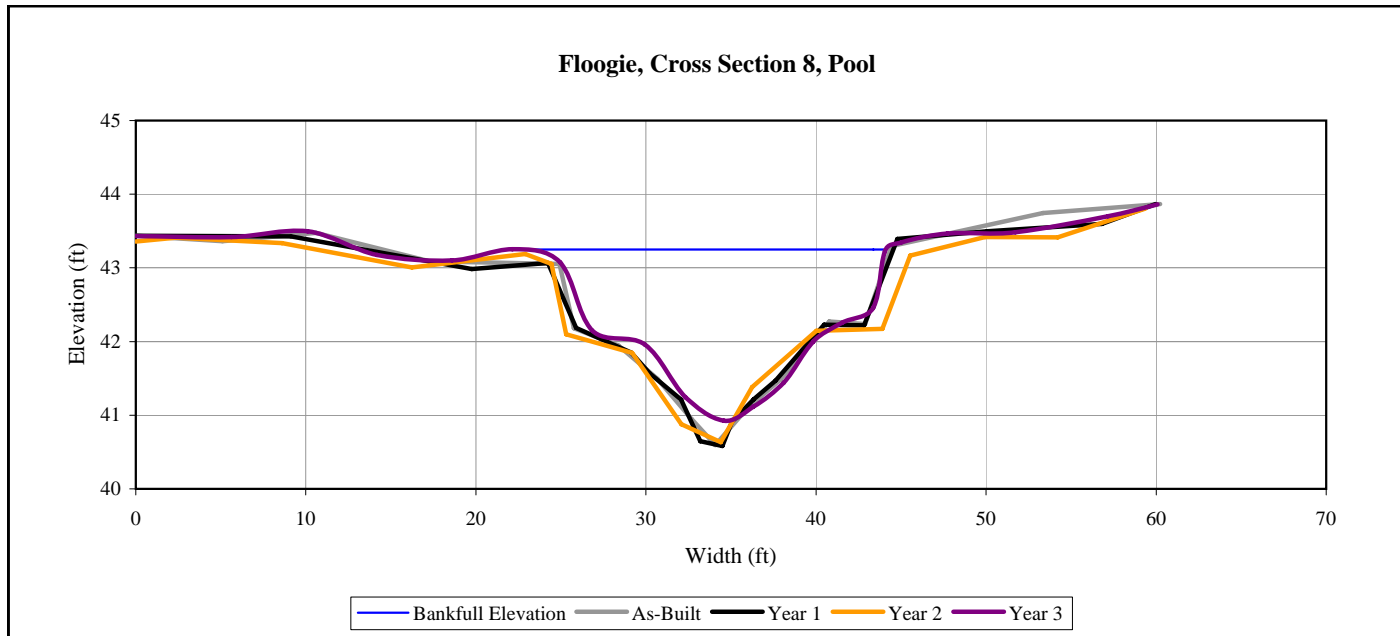




Left bank



Right bank

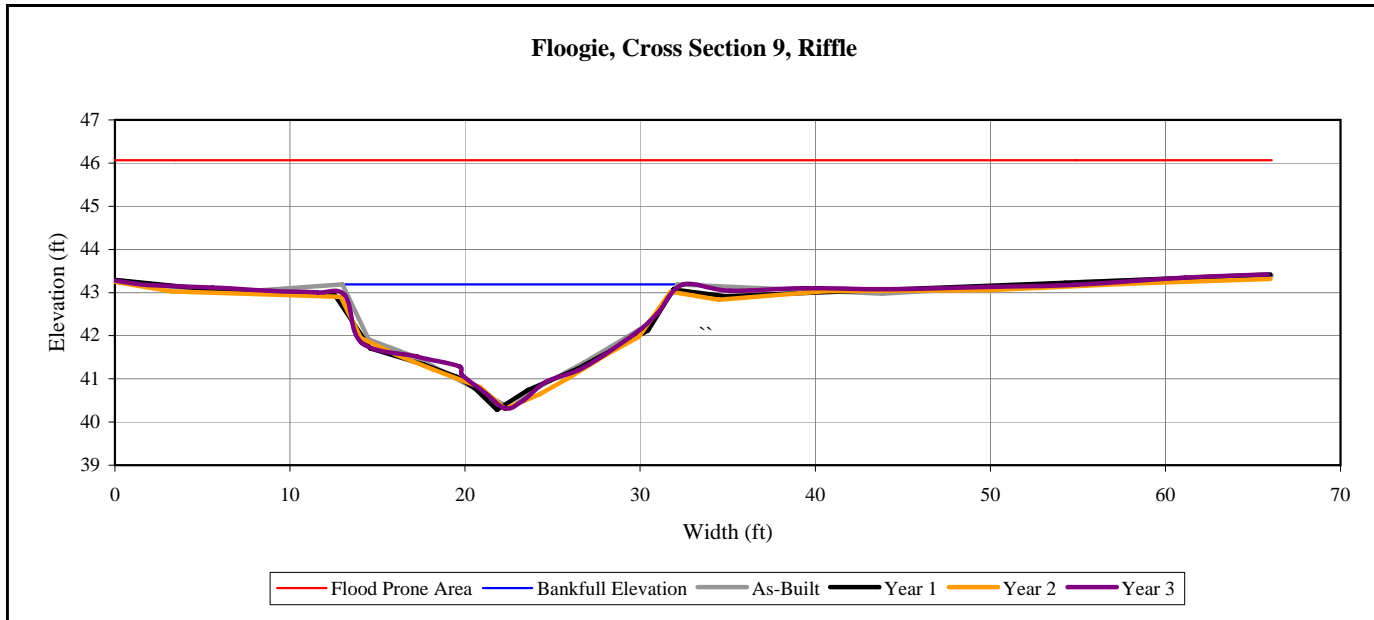




Left bank



Right bank

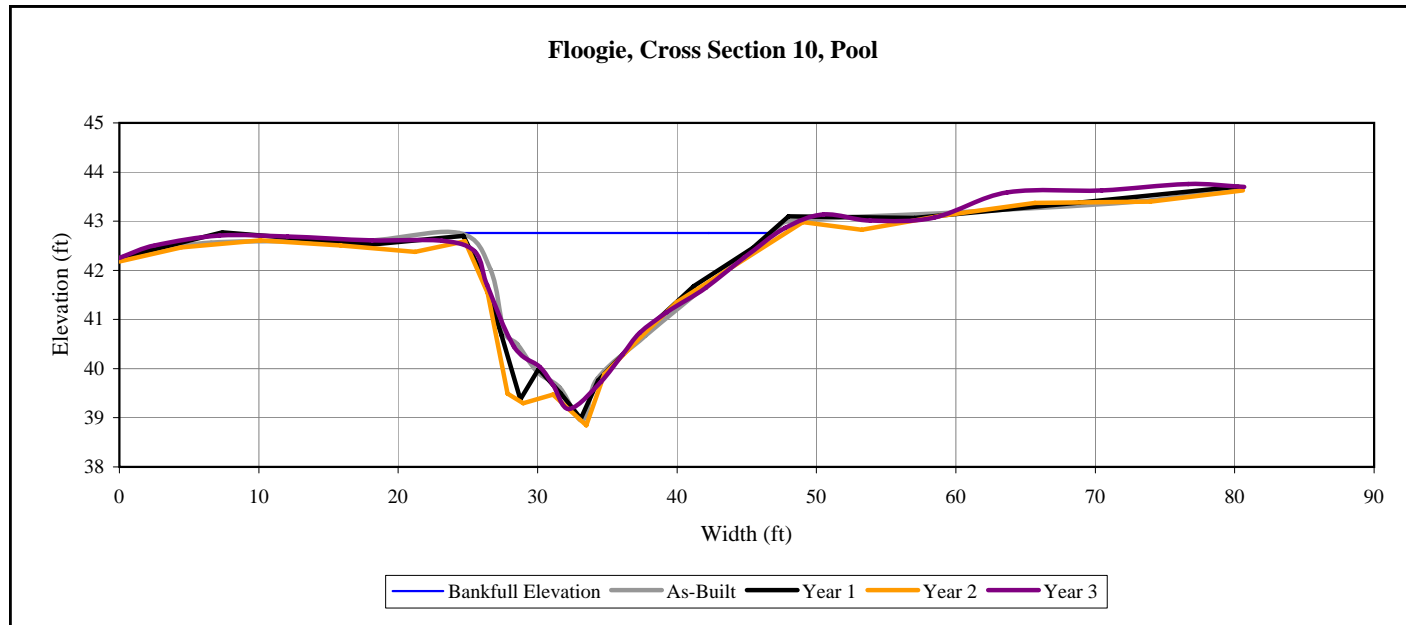




Left bank



Right bank

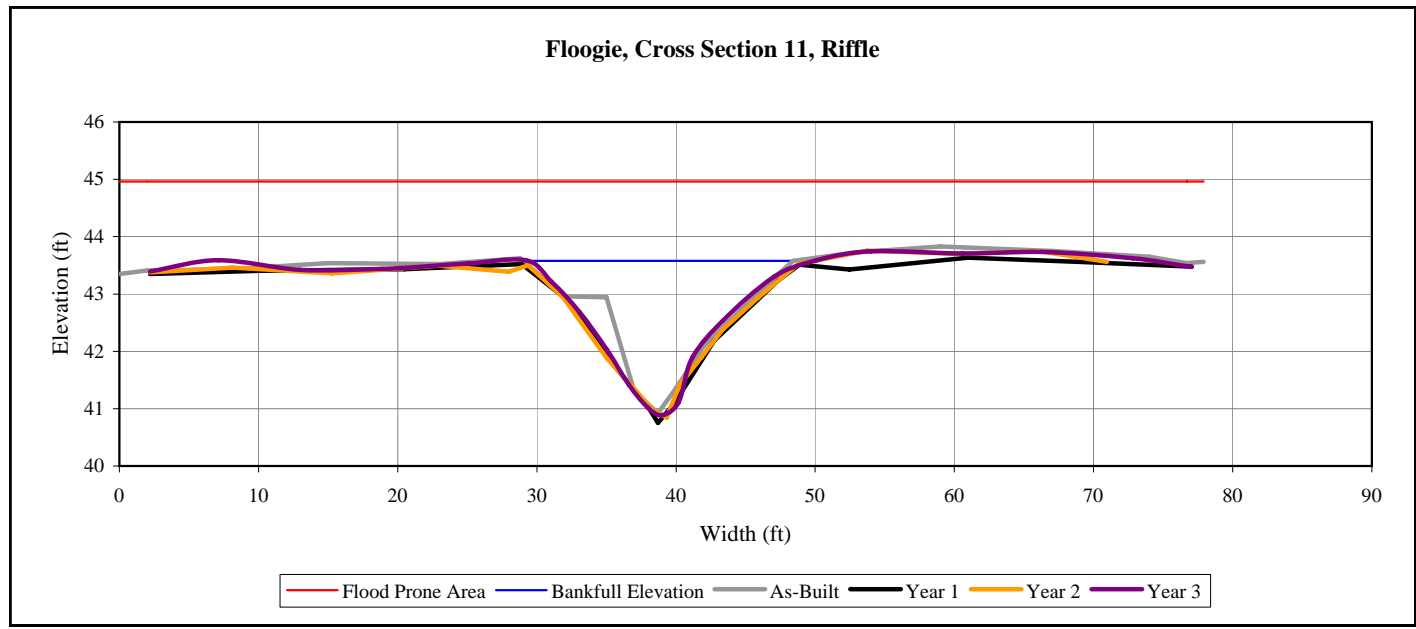




Left bank



Right bank

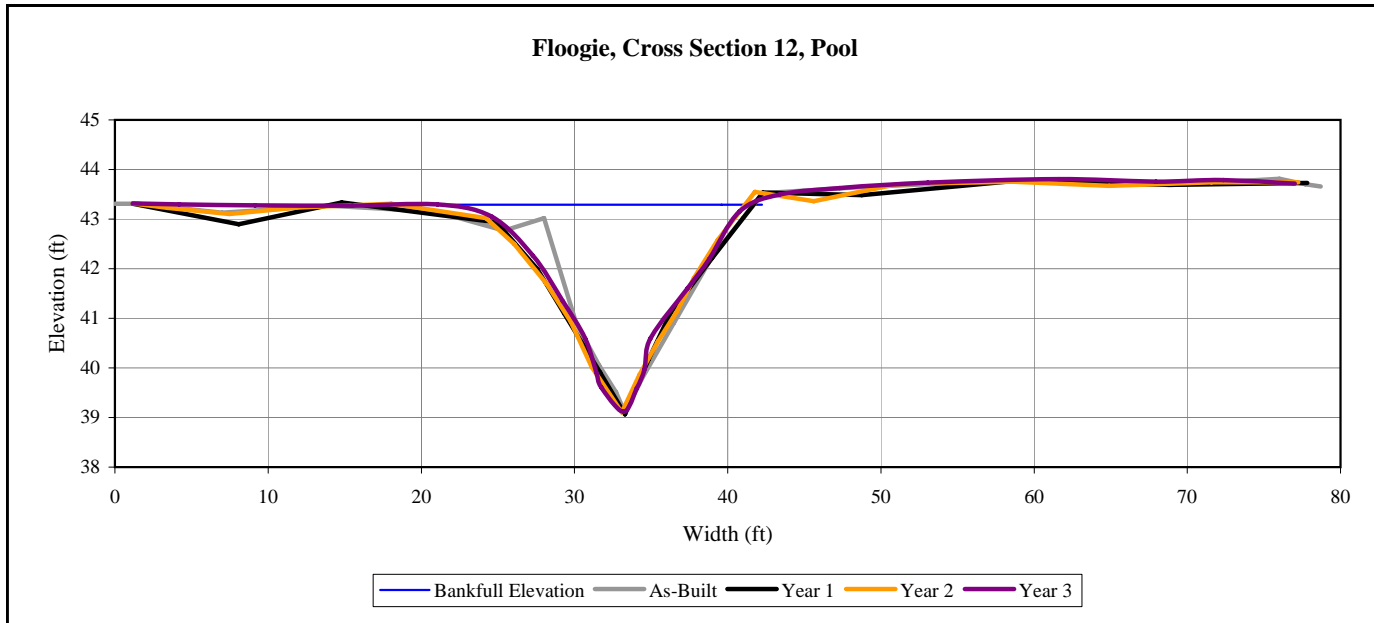




Left bank



Right bank

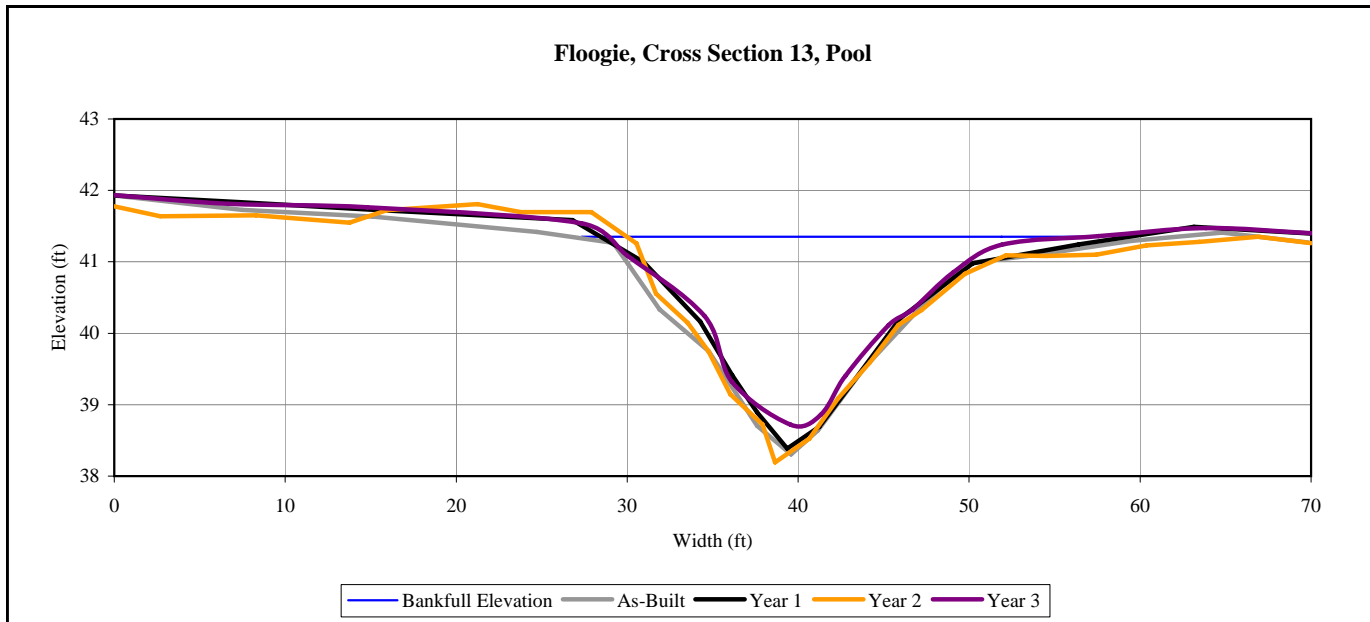




Left bank



Right bank

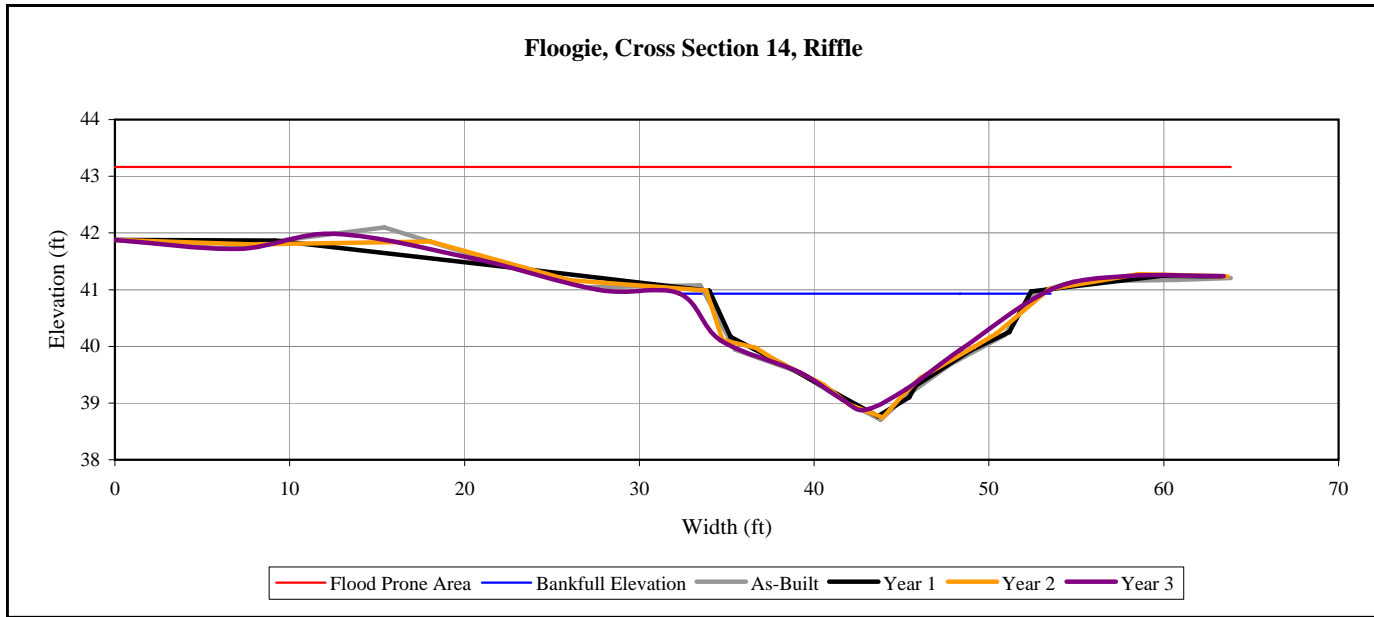




Left bank



Right bank

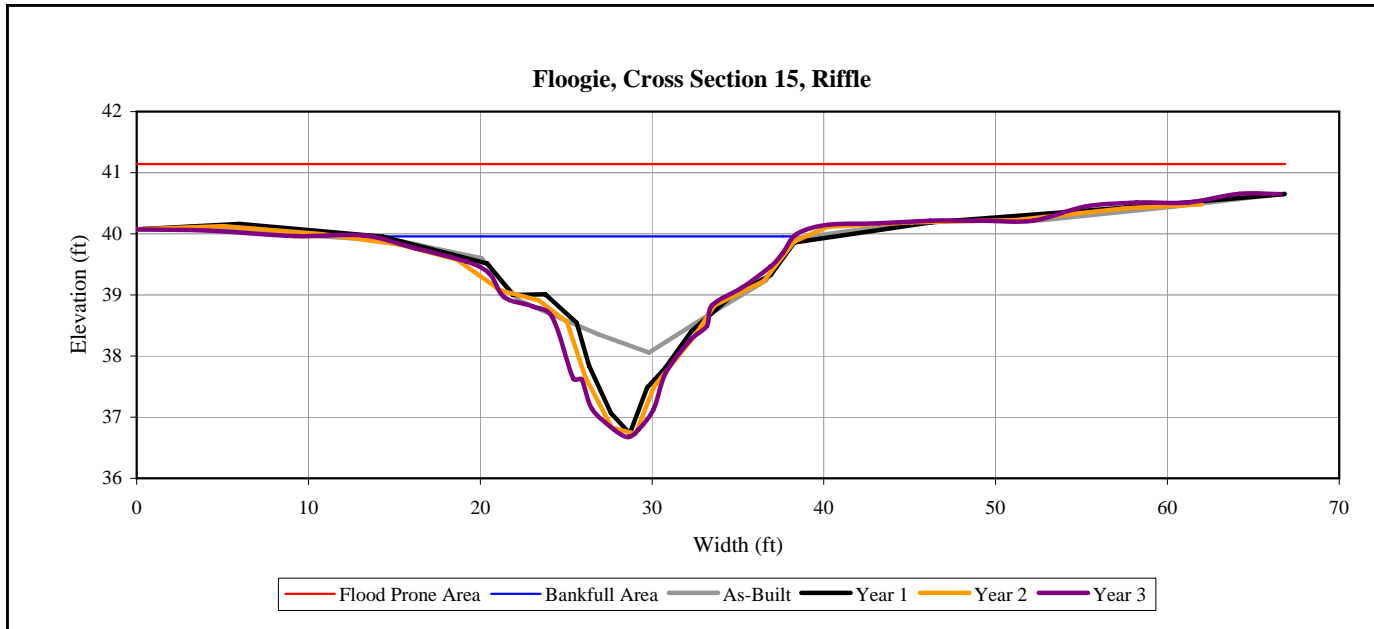




Left bank



Right bank

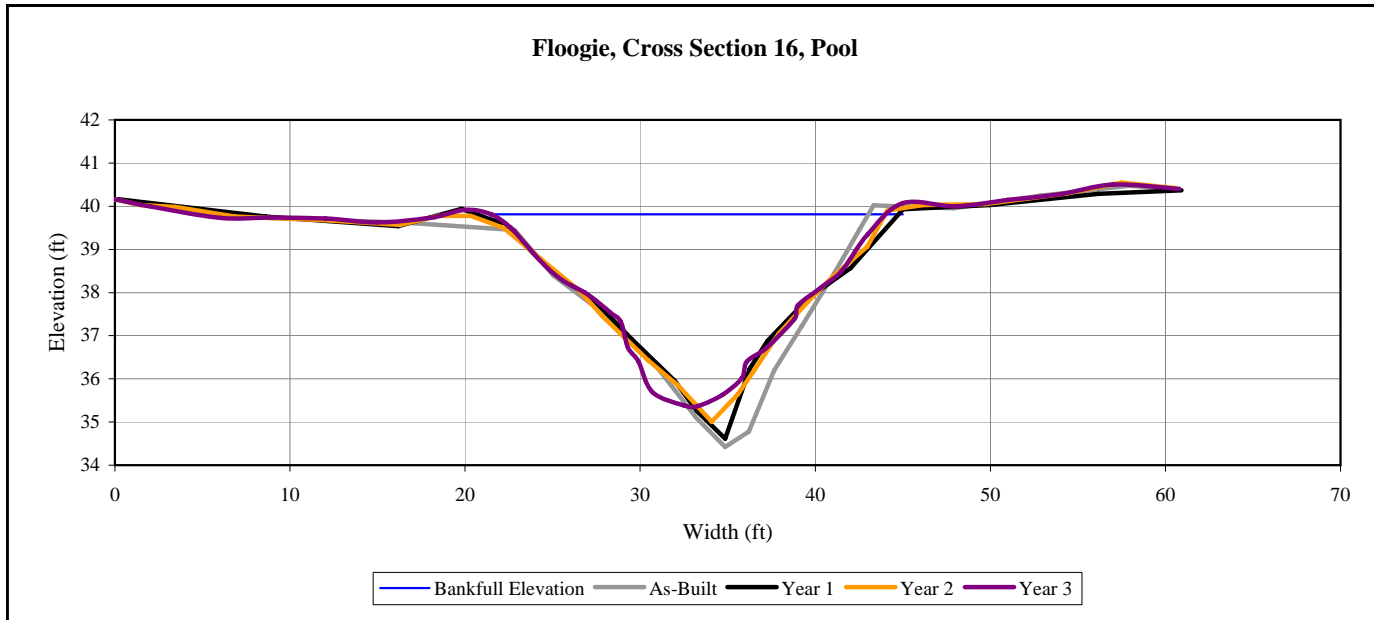




Left bank



Right bank

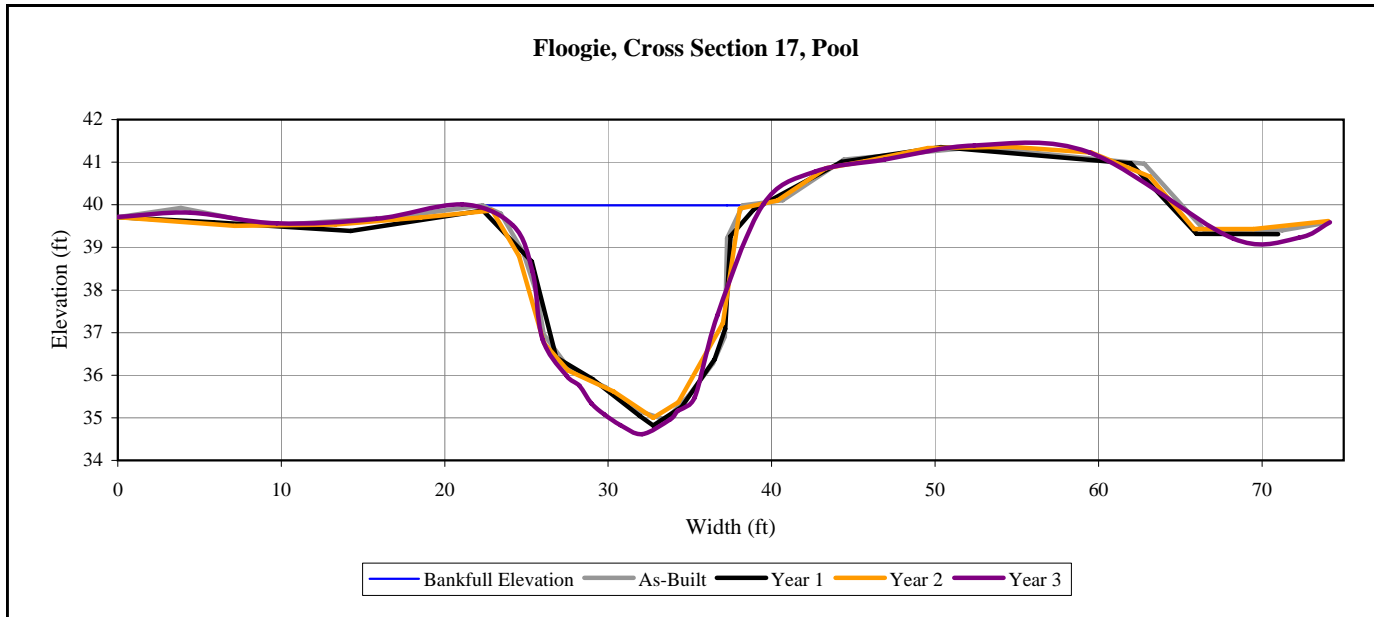




Left bank



Right bank

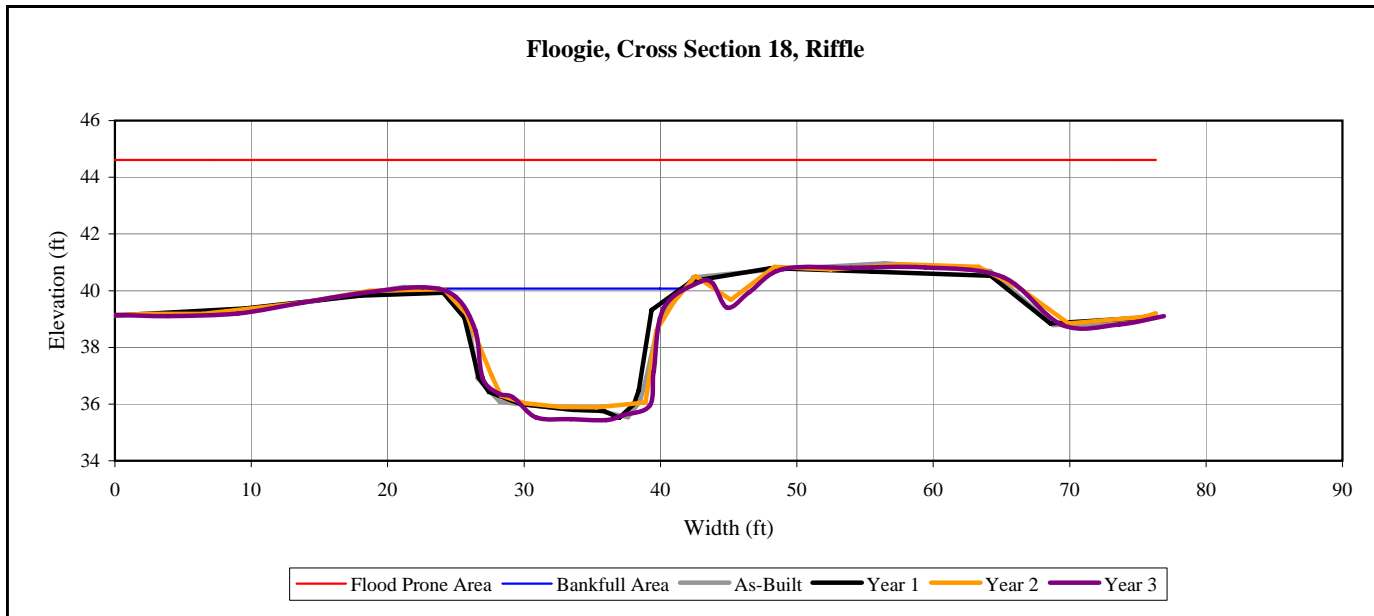




Left bank



Right bank

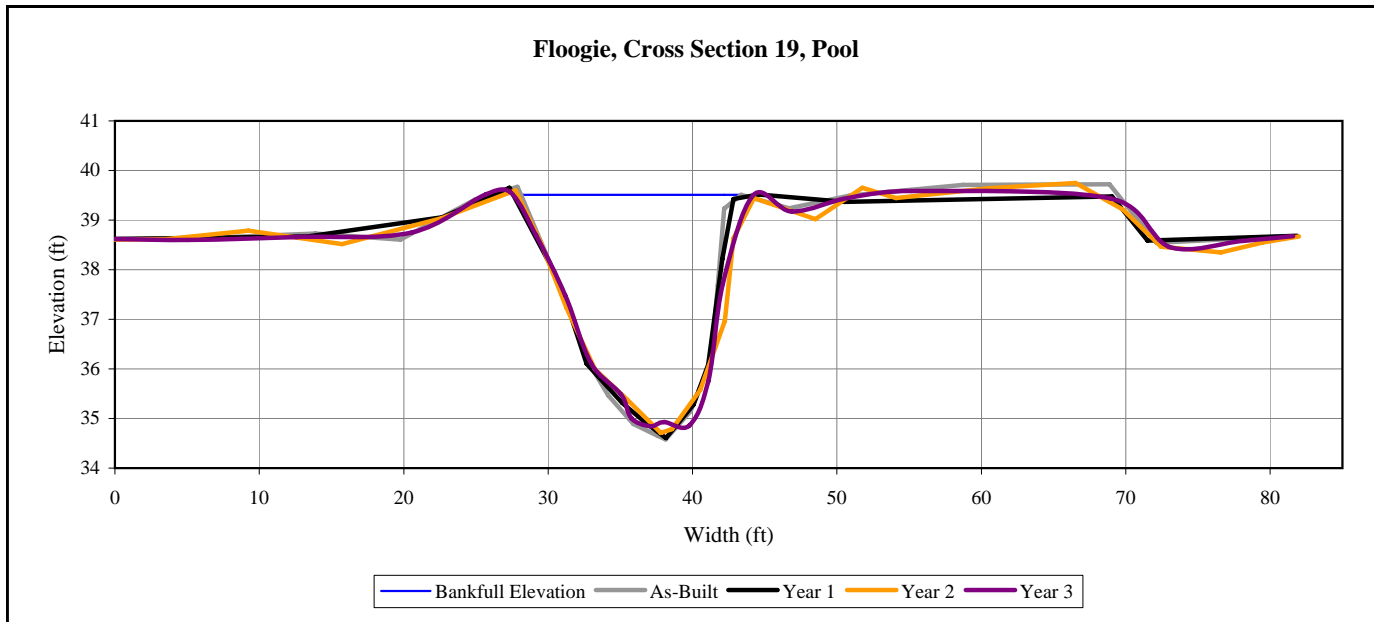




Left bank



Right bank

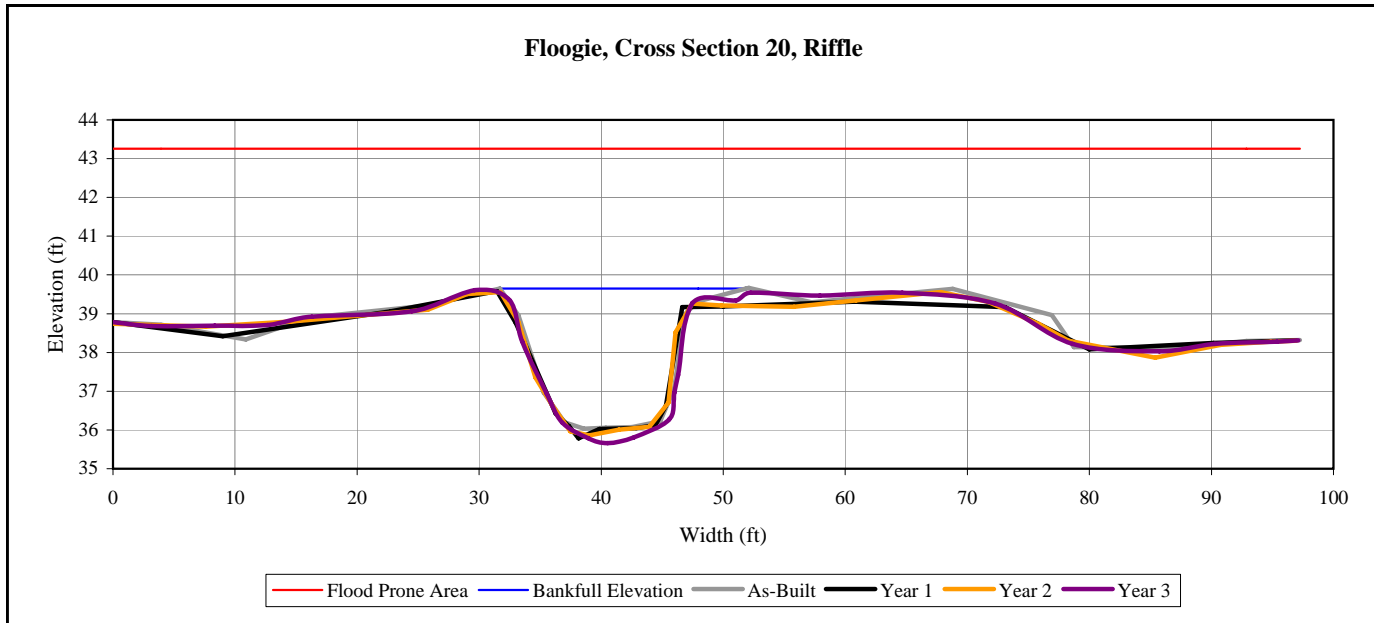




Left bank



Right bank



APPENDIX C

2010 Gauge Data

Date	Time	Water Level (inches)							FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6	Ambient									
dd-mmm-yyyy	hh:mm:ss																
1-Jan-2010	0:00:00	1.10	1.59	0.92	1.59	4.32	1.53		2.56	0.16	0.74						0.08
1-Jan-2010	6:00:00	0.38	0.59	0.03	4.63	5.01	1.24		2.55	-0.12	0.63						
1-Jan-2010	12:00:00	0.14	-0.44	-0.08	1.87	4.26	1.07		2.17	-0.37	0.55						
1-Jan-2010	18:00:00	-0.04	-0.66	-0.19	0.51	3.68	0.81		1.96	-0.63	0.37						
2-Jan-2010	0:00:00	-0.92	-1.57	-0.92	-0.56	2.64	0.03		1.08	-1.47	-0.38						0.00
2-Jan-2010	6:00:00	-2.60	-3.24	-2.71	-2.48	0.72	-1.63		-0.66	-3.27	-2.15						
2-Jan-2010	12:00:00	-1.15	-1.76	-1.05	-0.99	2.17	0.03		0.93	-1.73	-0.58						
2-Jan-2010	18:00:00	-2.26	-2.98	-2.43	-2.34	0.70	-1.27		-0.38	-3.01	-1.88						
3-Jan-2010	0:00:00	-3.29	-4.06	-3.53	-3.54	-0.58	-2.54		-1.56	-4.17	-2.97						0.00
3-Jan-2010	6:00:00	-4.73	-5.52	-5.03	-5.17	-2.31	-3.93		-2.93	-5.59	-4.29						
3-Jan-2010	12:00:00	-2.25	-3.10	-2.35	-3.06	-0.05	-1.45		-0.59	-3.23	-1.76						
3-Jan-2010	18:00:00	-2.51	-3.37	-2.68	-2.99	-0.46	-1.71		-0.77	-3.49	-2.10						
4-Jan-2010	0:00:00	-3.43	-4.32	-3.74	-3.95	-1.68	-2.64		-1.80	-4.49	-3.08						0.00
4-Jan-2010	6:00:00	-4.81	-5.95	-5.27	-5.94	-3.30	-4.20		-3.26	-5.86	-4.54						
4-Jan-2010	12:00:00	-1.33	-2.41	-1.41	-2.30	-0.08	-0.74		0.21	-2.34	-0.78						
4-Jan-2010	18:00:00	-2.13	-3.25	-2.30	-3.08	-0.99	-1.35		-0.62	-3.22	-1.77						
5-Jan-2010	0:00:00	-4.00	-5.34	-4.25	-5.18	-3.03	-3.41		-2.54	-5.05	-3.58						0.00
5-Jan-2010	6:00:00	-5.56	-7.65	-6.05	-7.04	-4.90	-5.19		-4.13	-6.76	-5.24						
5-Jan-2010	12:00:00	-1.22	-2.89	-1.35	-2.57	-0.74	-0.74		0.27	-2.32	-0.76						
5-Jan-2010	18:00:00	-2.51	-3.73	-2.60	-3.86	-2.20	-2.06		-1.07	-3.78	-2.13						
6-Jan-2010	0:00:00	-3.47	-4.87	-3.64	-4.74	-3.30	-3.05		-2.01	-4.78	-2.99						0.00
6-Jan-2010	6:00:00	-4.41	-6.90	-4.99	-6.21	-4.59	-4.17		-3.09	-5.73	-4.11						
6-Jan-2010	12:00:00	-0.92	-2.79	-1.04	-2.54	-1.16	-0.79		0.43	-2.13	-0.50						
6-Jan-2010	18:00:00	-1.18	-2.43	-1.37	-2.60	-1.62	-0.98		0.13	-2.68	-0.89						
7-Jan-2010	0:00:00	-2.49	-3.82	-2.71	-3.54	-2.93	-2.37		-1.09	-3.93	-2.22						0.00
7-Jan-2010	6:00:00	-3.83	-5.90	-4.36	-5.53	-4.54	-3.95		-2.60	-5.37	-3.64						
7-Jan-2010	12:00:00	-0.67	-2.50	-0.89	-2.28	-1.50	-0.71		0.70	-2.02	-0.30						
7-Jan-2010	18:00:00	-1.40	-2.68	-1.37	-2.66	-2.31	-1.40		-0.07	-2.94	-1.12						
8-Jan-2010	0:00:00	-1.04	-2.25	-1.04	-1.55	-2.14	-1.10		0.13	-2.68	-0.76						0.01
8-Jan-2010	6:00:00	-0.92	-1.86	-0.83	-0.81	-1.88	-0.93		0.45	-2.40	-0.62						
8-Jan-2010	12:00:00	-0.61	-1.46	-0.59	-0.36	-1.58	-0.41		0.84	-2.13	-0.26						
8-Jan-2010	18:00:00	-1.72	-2.65	-2.06	-1.83	-2.93	-1.64		-0.49	-3.45	-1.49						
9-Jan-2010	0:00:00	-2.48	-3.37	-2.83	-3.47	-3.72	-2.52		-1.32	-4.20	-2.32						0.00
9-Jan-2010	6:00:00	-3.32	-4.50	-3.87	-4.57	-4.66	-3.53		-2.12	-5.13	-3.20						
9-Jan-2010	12:00:00	-1.39	-2.52	-1.73	-2.81	-2.80	-1.59		-0.32	-3.21	-1.26						
9-Jan-2010	18:00:00	-1.88	-3.09	-2.12	-3.27	-3.44	-2.35		-0.91	-3.87	-1.80						
10-Jan-2010	0:00:00	-5.02	-7.33	-5.95	-7.21	-6.70	-5.67		-4.07	-7.02	-4.96						0.00
10-Jan-2010	6:00:00	-4.66	-7.72	-6.36	-7.33	-6.52	-5.60		-3.74	-6.83	-4.71						
10-Jan-2010	12:00:00	-1.47	-3.68	-2.87	-3.93	-3.39	-2.45		-0.63	-3.52	-1.52						
10-Jan-2010	18:00:00	-2.09	-3.55	-2.40	-4.20	-4.02	-3.13		-1.22	-4.30	-2.15						
11-Jan-2010	0:00:00	-6.83	-10.82	-9.10	-10.09	-8.81	-8.18		-5.99	-9.04	-6.82						0.00
11-Jan-2010	6:00:00	-7.11	-13.28	-10.84	-11.21	-9.56	-9.15		-6.47	-9.53	-7.35						
11-Jan-2010	12:00:00	-0.74	-5.25	-4.57	-4.57	-3.21	-2.91		-0.05	-2.94	-0.84						
11-Jan-2010	18:00:00	-0.79	-3.56	-3.50	-3.92	-2.81	-2.57		0.05	-2.93	-0.76						
12-Jan-2010	0:00:00	-1.29	-3.26	-3.20	-3.98	-3.26	-2.96		-0.42	-3.59	-1.19						0.00
12-Jan-2010	6:00:00	-1.18	-2.71	-2.68	-3.62	-3.26	-2.82		-0.32	-3.42	-1.05						
12-Jan-2010	12:00:00	-0.68	-1.92	-1.03	-3.05	-2.94	-2.33		0.16	-3.03	-0.56						
12-Jan-2010	18:00:00	-0.81	-1.72	-0.89	-2.81	-3.10	-2.23		0.05	-3.28	-0.83						
13-Jan-2010	0:00:00	-4.66	-6.20	-5.42	-7.32	-7.16	-6.49		-3.87	-7.18	-4.71						0.00
13-Jan-2010	6:00:00	-5.00	-8.46	-7.28	-8.89	-7.70	-7.29		-4.23	-7.48	-5.22						
13-Jan-2010	12:00:00	-0.74	-3.61	-2.96	-4.35	-3.45	-3.07		-0.12	-3.03	-0.82						

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
13-Jan-2010	18:00:00	-0.79	-2.41	-1.57	-3.59	-3.29	-2.72		0.01	-3.42	-0.89							
14-Jan-2010	0:00:00	-4.24	-7.09	-5.72	-7.82	-7.05	-6.68		-3.53	-6.88	-4.31						0.00	
14-Jan-2010	6:00:00	-4.64	-9.31	-7.60	-8.94	-7.46	-7.46		-3.93	-7.29	-4.72							
14-Jan-2010	12:00:00	-0.74	-4.29	-3.74	-4.77	-3.52	-3.27		-0.03	-3.18	-0.74							
14-Jan-2010	18:00:00	-0.46	-1.96	-1.04	-3.47	-3.17	-2.51		0.25	-3.21	-0.66							
15-Jan-2010	0:00:00	-2.17	-3.61	-2.56	-4.95	-5.09	-4.50		-1.55	-4.95	-2.42						0.00	
15-Jan-2010	6:00:00	-3.93	-7.09	-5.39	-7.74	-6.81	-6.67		-3.30	-6.61	-4.13							
15-Jan-2010	12:00:00	-0.80	-3.31	-2.42	-4.46	-3.62	-3.31		-0.09	-3.39	-0.84							
15-Jan-2010	18:00:00	-0.38	-1.41	-0.35	-2.88	-3.28	-2.59		0.16	-3.22	-0.68							
16-Jan-2010	0:00:00	-1.57	-2.71	-1.83	-3.97	-4.49	-3.97		-0.97	-4.48	-1.80						0.00	
16-Jan-2010	6:00:00	-2.03	-3.49	-2.50	-4.87	-5.07	-4.73		-1.43	-4.84	-2.38							
16-Jan-2010	12:00:00	-0.53	-1.75	-0.59	-3.32	-3.44	-2.96		-0.08	-3.49	-0.87							
16-Jan-2010	18:00:00	-0.27	-0.91	-0.29	-2.19	-3.20	-2.57		0.03	-3.36	-0.74							
17-Jan-2010	0:00:00	-0.32	-0.87	-0.26	-2.07	-3.09	-2.42		0.12	-3.28	-0.64						1.32	
17-Jan-2010	6:00:00	-0.23	-0.39	0.34	-0.79	-2.08	-1.35		0.49	-1.66	-0.21							
17-Jan-2010	12:00:00	0.97	1.76	0.76	3.55	5.16	1.74		2.44	0.26	1.30							
17-Jan-2010	18:00:00	1.84	2.16	2.40	2.76	5.26	2.60		3.00	0.57	1.35							
18-Jan-2010	0:00:00	1.09	3.27	0.72	6.88	7.89	1.79		3.09	0.48	1.38						0.01	
18-Jan-2010	6:00:00	0.34	-0.03	0.21	3.60	5.83	1.53		2.57	0.24	0.94							
18-Jan-2010	12:00:00	0.13	-0.45	0.01	1.01	4.35	1.25		2.22	-0.19	0.70							
18-Jan-2010	18:00:00	0.13	-0.57	-0.01	0.58	3.84	1.18		2.08	-0.35	0.55							
19-Jan-2010	0:00:00	-1.16	-1.78	-1.18	-0.86	2.40	0.04		0.89	-1.59	-0.56						0.00	
19-Jan-2010	6:00:00	-0.94	-1.59	-1.04	-0.92	2.29	0.17		0.87	-1.68	-0.38							
19-Jan-2010	12:00:00	-0.11	-0.84	-0.26	-0.01	3.03	1.01		1.66	-0.77	0.46							
19-Jan-2010	18:00:00	0.04	-0.67	-0.05	0.17	2.96	1.24		1.93	-0.64	0.72							
20-Jan-2010	0:00:00	-0.09	-0.80	-0.11	-0.14	2.67	1.01		1.65	-0.93	0.52						0.00	
20-Jan-2010	6:00:00	-0.77	-1.48	-0.92	-0.85	1.83	0.34		0.99	-1.61	-0.15							
20-Jan-2010	12:00:00	-0.15	-0.92	-0.31	-0.29	2.29	1.00		1.48	-0.93	0.43							
20-Jan-2010	18:00:00	0.01	-0.79	-0.23	-0.19	2.22	1.11		1.62	-0.88	0.45							
21-Jan-2010	0:00:00	-0.10	-0.81	-0.24	-0.39	1.82	0.93		1.51	-1.08	0.32						0.84	
21-Jan-2010	6:00:00	-0.14	-0.88	-0.51	-0.38	1.66	0.93		1.43	-1.18	0.31							
21-Jan-2010	12:00:00	-0.14	-0.81	-0.40	-0.43	1.47	0.83		1.42	-1.37	0.38							
21-Jan-2010	18:00:00	0.08	-0.24	0.31	0.06	1.81	1.29		1.63	-0.82	0.63							
22-Jan-2010	0:00:00	2.37	4.88	1.62	4.80	5.88	2.51		3.15	0.65	1.59						1.10	
22-Jan-2010	6:00:00	2.25	8.33	0.36	9.52	12.61	1.80		3.43	0.67	1.63							
22-Jan-2010	12:00:00	0.59	0.77	0.25	5.59	8.00	1.51		3.19	0.19	1.34							
22-Jan-2010	18:00:00	1.41	2.90	0.67	5.38	5.90	1.84		3.21	0.47	1.21							
23-Jan-2010	0:00:00	0.55	0.20	0.02	4.49	5.71	1.44		2.77	-0.01	0.82						0.01	
23-Jan-2010	6:00:00	-0.59	-1.17	-0.98	0.94	3.73	0.35		1.51	-1.02	-0.30							
23-Jan-2010	12:00:00	0.21	-0.38	-0.09	0.71	4.14	1.26		2.31	-0.31	0.54							
23-Jan-2010	18:00:00	0.35	-0.43	-0.04	0.43	3.90	1.26		2.21	-0.31	0.64							
24-Jan-2010	0:00:00	0.07	-0.69	-0.29	0.03	3.38	0.88		1.87	-0.70	0.36						0.00	
24-Jan-2010	6:00:00	0.16	-0.61	-0.11	0.10	3.36	1.04		1.95	-0.61	0.58							
24-Jan-2010	12:00:00	0.09	-0.75	-0.31	0.05	3.21	0.99		1.90	-0.69	0.64							
24-Jan-2010	18:00:00	0.22	-0.69	-0.19	0.12	3.33	1.22		1.92	-0.60	0.78							
25-Jan-2010	0:00:00	0.23	-0.46	-0.02	0.12	3.21	1.26		1.93	-0.55	0.94						1.39	
25-Jan-2010	6:00:00	0.58	0.06	1.05	0.75	3.74	1.77		2.28	0.11	1.14							
25-Jan-2010	12:00:00	17.35	21.99	0.77	19.06	21.14	2.34		10.49	5.15	2.88							
25-Jan-2010	18:00:00	4.47	10.90	0.30	11.56	15.24	1.86		8.31	4.39	5.54							
26-Jan-2010	0:00:00	0.82	3.33	0.01	7.24	9.94	1.54		4.59	1.13	2.18						0.00	
26-Jan-2010	6:00:00	0.73	0.30	-0.08	5.10	6.40	1.44		3.21	0.38	1.17							

Date	Time	Water Level (inches)							FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6	Ambient									
26-Jan-2010	12:00:00	0.53	-0.14	-0.21	2.73	4.82	1.27		2.67	-0.03	1.02						
26-Jan-2010	18:00:00	0.58	-0.20	-0.15	1.44	4.42	1.37		2.56	-0.15	0.81						
27-Jan-2010	0:00:00	0.56	-0.34	-0.14	0.59	3.98	1.22		2.39	-0.28	0.66						0.00
27-Jan-2010	6:00:00	-1.04	-1.89	-1.77	-1.40	2.23	-0.26		0.79	-1.80	-1.01						
27-Jan-2010	12:00:00	0.38	-0.66	-0.53	-0.25	3.26	1.10		2.02	-0.60	0.22						
27-Jan-2010	18:00:00	0.41	-0.70	-0.53	-0.33	3.16	1.06		2.05	-0.55	0.39						
28-Jan-2010	0:00:00	-1.18	-2.17	-1.93	-2.00	1.30	-0.44		0.45	-2.20	-1.30						0.00
28-Jan-2010	6:00:00	-1.30	-2.38	-2.06	-2.18	0.96	-0.56		0.29	-2.41	-1.37						
28-Jan-2010	12:00:00	0.17	-1.00	-0.47	-0.53	2.41	0.96		1.74	-0.95	0.32						
28-Jan-2010	18:00:00	0.23	-1.03	-0.53	-0.63	2.20	0.88		1.85	-0.89	0.38						
29-Jan-2010	0:00:00	0.09	-1.12	-0.58	-0.85	1.87	0.87		1.75	-1.03	0.13						0.00
29-Jan-2010	6:00:00	-0.22	-1.47	-1.09	-1.33	1.21	0.47		1.24	-1.53	-0.26						
29-Jan-2010	12:00:00	-0.11	-1.48	-0.94	-1.39	1.10	0.55		1.31	-1.42	-0.09						
29-Jan-2010	18:00:00	-0.09	-1.70	-0.95	-1.52	0.84	0.41		1.30	-1.51	-0.11						
30-Jan-2010	0:00:00	-0.65	-1.96	-1.22	-2.00	0.12	-0.06		0.87	-2.04	-0.62						0.00
30-Jan-2010	6:00:00	-1.09	-2.01	-1.54	-1.62	-0.56	-0.47		0.37	-2.45	-0.95						
30-Jan-2010	12:00:00	-0.76	-1.41	-0.84	-0.90	-0.28	0.38		0.72	-2.02	-0.29						
30-Jan-2010	18:00:00	-1.00	-1.58	-1.27	-0.79	-0.51	0.04		0.73	-2.16	-0.54						
31-Jan-2010	0:00:00	-1.97	-2.58	-2.23	-1.73	-0.64	-0.99		-0.17	-3.00	-1.59						0.15
31-Jan-2010	6:00:00	-3.10	-3.79	-3.52	-3.06	-1.13	-2.27		-1.11	-3.94	-2.98						
31-Jan-2010	12:00:00	-1.05	-1.46	-1.25	-0.98	1.15	-0.03		1.14	-1.81	-0.78						
31-Jan-2010	18:00:00	-1.28	-1.80	-1.42	-1.22	0.68	-0.24		0.70	-2.14	-1.13						
1-Feb-2010	0:00:00	-6.53	-7.12	-6.73	-6.48	-4.58	-5.54		-4.49	-7.35	-6.41						0.41
1-Feb-2010	6:00:00	-6.44	-7.12	-6.82	-6.71	-4.56	-5.55		-4.38	-7.37	-6.29						
1-Feb-2010	12:00:00	-0.17	-0.72	-0.34	-0.56	1.46	0.71		1.93	-1.11	0.12						
1-Feb-2010	18:00:00	0.39	-0.14	0.21	0.60	2.04	1.44		2.15	-0.78	0.45						
2-Feb-2010	0:00:00	-3.10	-3.55	-3.33	-2.76	-0.87	-2.07		-0.96	-3.90	-2.82						0.62
2-Feb-2010	6:00:00	-2.27	-2.86	-2.42	-2.24	0.33	-1.31		-0.07	-2.97	-1.90						
2-Feb-2010	12:00:00	-0.16	-0.72	-0.28	-0.14	2.48	1.01		1.99	-0.85	0.28						
2-Feb-2010	18:00:00	0.71	0.29	0.41	1.02	3.33	1.44		2.37	-0.25	0.55						
3-Feb-2010	0:00:00	0.93	1.05	0.87	2.35	4.33	1.51		2.68	0.16	0.62						0.32
3-Feb-2010	6:00:00	1.53	5.98	1.06	7.30	7.52	1.54		2.83	0.38	0.67						
3-Feb-2010	12:00:00	1.49	4.04	1.39	6.69	8.25	1.72		2.82	0.37	0.82						
3-Feb-2010	18:00:00	0.87	2.02	0.49	6.46	8.07	2.01		3.18	0.77	1.08						
4-Feb-2010	0:00:00	-0.19	-0.73	-0.40	2.20	4.76	0.87		2.04	-0.39	0.10						0.00
4-Feb-2010	6:00:00	-0.08	-0.74	-0.31	0.42	3.98	0.88		2.05	-0.42	0.16						
4-Feb-2010	12:00:00	0.29	-0.34	0.33	0.51	4.16	1.31		2.39	0.00	0.55						
4-Feb-2010	18:00:00	0.41	-0.20	0.21	0.57	4.51	1.44		2.65	0.19	0.68						
5-Feb-2010	0:00:00	0.17	-0.50	0.07	0.17	4.16	1.22		2.38	-0.13	0.60						1.64
5-Feb-2010	6:00:00	0.23	-0.49	0.03	0.15	3.82	1.23		2.26	-0.22	0.57						
5-Feb-2010	12:00:00	0.29	-0.31	0.39	0.30	3.75	1.40		2.43	-0.10	0.76						
5-Feb-2010	18:00:00	1.18	0.96	1.87	1.39	5.10	2.04		2.85	0.50	1.28						
6-Feb-2010	0:00:00	16.61	21.06	3.01	17.35	18.81	3.74		5.26	2.23	3.24						0.69
6-Feb-2010	6:00:00	13.19	18.39	0.92	16.84	19.48	2.04		11.21	7.16	8.61						
6-Feb-2010	12:00:00	2.96	9.22	0.19	10.23	13.33	1.46		6.53	2.64	4.11						
6-Feb-2010	18:00:00	0.53	3.76	-0.10	7.19	9.52	1.12		3.70	0.26	1.24						
7-Feb-2010	0:00:00	-0.37	-0.30	-0.93	4.51	5.59	0.18		1.90	-0.96	-0.09						0.00
7-Feb-2010	6:00:00	-0.98	-1.78	-1.58	2.13	3.48	-0.39		0.95	-1.75	-0.82						
7-Feb-2010	12:00:00	0.46	-0.39	0.03	1.41	4.21	1.18		2.22	-0.25	0.58						
7-Feb-2010	18:00:00	0.50	-0.33	0.07	0.69	3.91	1.14		2.14	-0.31	0.58						
8-Feb-2010	0:00:00	-2.61	-3.40	-2.93	-2.71	0.64	-1.98		-0.89	-3.46	-2.52						0.00

Date	Time	Water Level (inches)							FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6	Ambient									
dd-mmm-yyyy	hh:mm:ss																
8-Feb-2010	6:00:00	-3.09	-4.16	-3.56	-3.62	-0.17	-2.58		-1.45	-4.01	-3.08						
8-Feb-2010	12:00:00	0.20	-0.64	0.10	-0.49	2.94	0.94		1.91	-0.65	0.16						
8-Feb-2010	18:00:00	0.29	-0.50	-0.09	0.09	3.00	0.99		1.98	-0.70	0.32						
9-Feb-2010	0:00:00	-2.13	-3.01	-2.49	-2.54	0.54	-1.46		-0.42	-3.11	-2.00						0.27
9-Feb-2010	6:00:00	-1.05	-1.87	-1.29	-1.64	1.44	-0.30		0.55	-2.09	-1.04						
9-Feb-2010	12:00:00	0.23	-0.55	0.04	-0.20	2.59	1.07		1.87	-0.79	0.45						
9-Feb-2010	18:00:00	0.39	0.03	0.91	0.39	3.01	1.44		2.13	-0.24	0.85						
10-Feb-2010	0:00:00	0.67	0.34	0.60	1.61	4.69	1.59		2.58	0.12	1.06						0.01
10-Feb-2010	6:00:00	0.46	-0.14	0.33	0.93	4.17	1.32		2.32	-0.19	0.88						
10-Feb-2010	12:00:00	0.27	-0.36	0.19	0.54	3.87	1.25		2.11	-0.34	0.68						
10-Feb-2010	18:00:00	0.08	-0.58	-0.08	0.27	3.54	0.91		1.99	-0.51	0.56						
11-Feb-2010	0:00:00	-0.05	-0.70	-0.31	-0.18	3.15	0.76		1.72	-0.69	0.30						0.00
11-Feb-2010	6:00:00	-0.17	-0.93	-0.50	-0.39	2.84	0.52		1.62	-0.90	0.06						
11-Feb-2010	12:00:00	0.08	-0.61	0.02	-0.31	3.09	0.91		1.90	-0.67	0.42						
11-Feb-2010	18:00:00	0.14	-0.67	-0.12	-0.41	2.95	0.99		1.84	-0.60	0.39						
12-Feb-2010	0:00:00	-0.23	-1.10	-0.51	-0.83	2.34	0.54		1.48	-1.12	-0.08						0.00
12-Feb-2010	6:00:00	-1.16	-2.07	-1.49	-1.81	1.17	-0.42		0.42	-2.05	-0.92						
12-Feb-2010	12:00:00	0.15	-0.70	-0.01	-0.59	2.23	0.89		1.74	-0.85	0.39						
12-Feb-2010	18:00:00	-0.05	-1.04	-0.27	-0.67	1.95	0.76		1.53	-1.11	0.25						
13-Feb-2010	0:00:00	-0.29	-1.06	-0.16	-0.81	1.56	0.61		1.39	-1.32	0.19						0.00
13-Feb-2010	6:00:00	-0.28	-1.16	-0.26	-0.65	1.33	0.54		1.37	-1.43	0.12						
13-Feb-2010	12:00:00	-0.21	-0.81	-0.09	-0.27	1.38	0.78		1.56	-1.12	0.28						
13-Feb-2010	18:00:00	-0.05	-0.54	0.03	0.07	1.57	0.83		1.66	-0.90	0.20						
14-Feb-2010	0:00:00	-1.19	-1.76	-1.33	-1.07	0.79	-0.32		0.58	-2.13	-0.99						0.13
14-Feb-2010	6:00:00	-2.56	-3.21	-2.69	-2.70	-0.57	-1.68		-0.69	-3.37	-2.25						
14-Feb-2010	12:00:00	0.02	-0.32	0.26	-0.24	1.83	1.05		1.79	-0.90	0.32						
14-Feb-2010	18:00:00	0.32	-0.16	0.25	0.81	2.56	1.42		2.15	-0.37	0.68						
15-Feb-2010	0:00:00	-1.10	-1.70	-1.22	-0.95	1.81	-0.18		0.81	-1.75	-0.78						0.14
15-Feb-2010	6:00:00	-1.43	-2.19	-1.51	-1.61	1.38	-0.57		0.54	-2.07	-1.05						
15-Feb-2010	12:00:00	0.07	-0.43	0.25	0.09	2.95	1.18		2.01	-0.64	0.69						
15-Feb-2010	18:00:00	0.22	-0.45	0.07	0.31	3.20	1.08		2.11	-0.48	0.74						
16-Feb-2010	0:00:00	0.16	-0.55	0.15	0.11	3.26	1.01		2.05	-0.48	0.76						0.00
16-Feb-2010	6:00:00	-0.05	-0.79	-0.23	-0.35	2.80	0.71		1.69	-0.89	0.38						
16-Feb-2010	12:00:00	-0.04	-0.67	-0.27	-0.33	2.76	0.89		1.84	-0.76	0.52						
16-Feb-2010	18:00:00	0.03	-0.69	-0.33	-0.31	2.65	0.88		1.91	-0.71	0.55						
17-Feb-2010	0:00:00	-0.83	-1.62	-1.21	-1.47	1.58	-0.18		0.97	-1.69	-0.42						0.00
17-Feb-2010	6:00:00	-1.00	-1.95	-1.48	-2.15	1.03	-0.38		0.69	-1.98	-0.54						
17-Feb-2010	12:00:00	0.03	-0.80	-0.14	-0.95	1.89	0.72		1.75	-0.87	0.64						
17-Feb-2010	18:00:00	0.05	-0.85	-0.38	-0.91	1.71	0.58		1.69	-0.94	0.54						
18-Feb-2010	0:00:00	-0.28	-1.21	-0.57	-1.41	1.24	0.25		1.32	-1.45	0.13						0.00
18-Feb-2010	6:00:00	-0.61	-1.60	-0.94	-1.87	0.64	-0.15		0.96	-1.79	-0.15						
18-Feb-2010	12:00:00	-0.19	-1.32	-0.50	-1.49	0.94	0.34		1.41	-1.43	0.26						
18-Feb-2010	18:00:00	-0.10	-1.29	-0.65	-1.57	0.79	0.24		1.39	-1.30	0.30						
19-Feb-2010	0:00:00	0.03	-1.06	-0.33	-1.47	0.68	0.22		1.48	-1.30	0.39						0.00
19-Feb-2010	6:00:00	-0.20	-1.30	-0.59	-1.70	0.27	-0.08		1.19	-1.61	0.10						
19-Feb-2010	12:00:00	-0.17	-1.50	-0.65	-1.77	0.21	-0.15		1.20	-1.62	0.28						
19-Feb-2010	18:00:00	-0.15	-1.54	-0.69	-1.85	0.00	-0.21		1.33	-1.51	0.25						
20-Feb-2010	0:00:00	-1.65	-3.10	-2.02	-3.44	-1.66	-1.79		-0.19	-3.07	-1.28						0.00
20-Feb-2010	6:00:00	-2.84	-4.65	-3.63	-5.04	-3.10	-3.31		-1.55	-4.37	-2.55						
20-Feb-2010	12:00:00	-0.35	-1.56	-0.56	-2.16	-0.77	-0.83		0.99	-1.96	0.03						
20-Feb-2010	18:00:00	-0.16	-1.62	-0.62	-2.13	-0.56	-0.69		1.15	-1.69	0.31						

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
21-Feb-2010	0:00:00	-1.27	-2.71	-1.64	-3.50	-1.92	-1.98		-0.01	-2.86	-0.84							0.00
21-Feb-2010	6:00:00	-1.82	-3.54	-2.24	-4.40	-2.66	-2.69		-0.60	-3.51	-1.55							
21-Feb-2010	12:00:00	-0.41	-1.64	-0.71	-2.41	-1.34	-1.27		0.83	-2.13	0.03							
21-Feb-2010	18:00:00	-0.13	-1.77	-0.59	-2.53	-1.13	-1.22		1.05	-1.89	0.37							
22-Feb-2010	0:00:00	-0.14	-1.48	-0.41	-2.47	-1.35	-1.28		1.11	-1.83	0.33							0.37
22-Feb-2010	6:00:00	-0.79	-2.13	-1.01	-3.24	-2.02	-2.01		0.37	-2.57	-0.23							
22-Feb-2010	12:00:00	-0.34	-1.74	-0.62	-2.87	-1.71	-1.64		0.78	-2.13	0.30							
22-Feb-2010	18:00:00	0.44	0.04	0.54	0.91	1.47	1.08		1.98	-0.24	0.91							
23-Feb-2010	0:00:00	0.17	-0.20	0.15	0.72	3.85	1.20		1.98	-0.33	0.90							0.00
23-Feb-2010	6:00:00	0.05	-0.48	0.04	0.31	3.34	1.05		1.95	-0.34	0.73							
23-Feb-2010	12:00:00	0.05	-0.39	0.07	0.17	3.21	1.02		2.04	-0.40	0.72							
23-Feb-2010	18:00:00	0.15	-0.43	-0.01	0.07	3.03	1.14		2.08	-0.31	0.84							
24-Feb-2010	0:00:00	-0.20	-0.76	-0.29	-0.37	2.46	0.67		1.68	-0.82	0.40							0.33
24-Feb-2010	6:00:00	-0.01	-0.60	-0.23	-0.42	2.37	0.81		1.74	-0.72	0.58							
24-Feb-2010	12:00:00	0.07	-0.67	-0.15	-0.39	2.20	0.87		1.84	-0.73	0.72	2.10	2.00					
24-Feb-2010	18:00:00	-0.22	-0.60	-0.27	-1.01	1.93	1.34		1.59	-0.98	0.04							
25-Feb-2010	0:00:00	0.20	-0.14	0.63	-0.05	3.12	1.51		1.78	-0.49	0.02							0.13
25-Feb-2010	6:00:00	-0.09	-0.52	-0.52	-0.05	3.92	1.19		2.04	-0.58	0.04							
25-Feb-2010	12:00:00	0.14	-0.39	-0.15	-0.17	3.94	1.61		2.23	-0.25	0.40							
25-Feb-2010	18:00:00	0.05	-0.58	-0.29	-0.48	3.54	1.43		2.01	-0.49	0.30							
26-Feb-2010	0:00:00	-0.58	-1.18	-1.04	-1.37	2.65	0.82		1.29	-1.21	-0.34							0.00
26-Feb-2010	6:00:00	-0.77	-1.35	-1.36	-1.70	2.28	0.49		1.09	-1.42	-0.57							
26-Feb-2010	12:00:00	-0.13	-0.80	-0.65	-1.26	2.77	1.25		1.69	-0.90	0.10							
26-Feb-2010	18:00:00	-0.13	-0.82	-0.65	-1.43	2.65	1.16		1.72	-0.94	0.08							
27-Feb-2010	0:00:00	-0.16	-0.76	-0.63	-1.65	2.42	1.13		1.65	-0.94	0.02							0.00
27-Feb-2010	6:00:00	-1.45	-2.16	-2.02	-3.20	0.84	-0.31		0.21	-2.49	-1.29							
27-Feb-2010	12:00:00	-0.21	-1.06	-0.78	-2.05	1.99	1.05		1.49	-1.24	-0.02							
27-Feb-2010	18:00:00	-0.23	-1.04	-0.84	-2.12	1.80	1.01		1.49	-1.23	0.07							
28-Feb-2010	0:00:00	-1.99	-2.83	-2.55	-4.08	-0.20	-0.91		-0.35	-3.10	-1.72							0.00
28-Feb-2010	6:00:00	-1.18	-2.04	-1.67	-3.39	0.38	-0.18		0.35	-2.35	-1.02							
28-Feb-2010	12:00:00	-0.28	-1.18	-0.96	-2.46	1.08	0.77		1.33	-1.50	-0.04							
28-Feb-2010	18:00:00	-0.38	-1.38	-1.21	-2.75	0.74	0.61		1.21	-1.57	-0.08							
1-Mar-2010	0:00:00	-0.35	-1.29	-0.92	-2.63	0.57	0.59		1.23	-1.60	-0.17							0.00
1-Mar-2010	6:00:00	-0.69	-1.68	-1.33	-3.09	0.03	0.12		0.84	-2.10	-0.51							
1-Mar-2010	12:00:00	-0.46	-1.69	-1.33	-3.02	0.02	0.28		1.17	-1.84	-0.28							
1-Mar-2010	18:00:00	-0.40	-1.78	-1.11	-3.14	-0.05	0.23		1.20	-1.78	-0.08							
2-Mar-2010	0:00:00	-0.41	-1.66	-0.96	-3.32	-0.41	0.12		1.03	-1.95	-0.24							0.81
2-Mar-2010	6:00:00	-0.89	-2.24	-1.54	-4.02	-1.13	-0.77		0.41	-2.57	-0.78							
2-Mar-2010	12:00:00	-0.43	-1.68	-0.92	-3.53	-0.72	-0.14		0.90	-2.03	-0.17							
2-Mar-2010	18:00:00	0.50	0.18	1.51	-0.65	1.38	1.82		1.97	-0.22	0.50							
3-Mar-2010	0:00:00	0.77	1.29	0.02	3.94	5.00	1.90		2.85	0.27	0.94							0.75
3-Mar-2010	6:00:00	3.11	9.02	1.09	7.86	9.07	2.39		3.33	0.56	0.99							
3-Mar-2010	12:00:00	0.70	2.51	-0.02	6.19	9.42	1.89		2.74	0.14	0.74							
3-Mar-2010	18:00:00	0.37	-0.10	-0.08	2.65	5.49	1.59		2.61	-0.03	0.44							
4-Mar-2010	0:00:00	0.55	0.15	0.05	1.08	4.70	1.78		2.46	-0.07	0.46							0.02
4-Mar-2010	6:00:00	0.25	-0.27	-0.24	0.15	4.09	1.49		2.14	-0.40	0.10							
4-Mar-2010	12:00:00	0.22	-0.38	-0.24	-0.38	3.85	1.50		2.10	-0.58	0.28							
4-Mar-2010	18:00:00	0.33	-0.39	-0.20	-0.55	3.67	1.36		2.09	-0.48	0.22							
5-Mar-2010	0:00:00	-0.94	-1.62	-1.34	-2.00	2.30	0.18		0.93	-1.72	-1.01							0.00
5-Mar-2010	6:00:00	-0.98	-1.70	-1.43	-2.15	2.07	0.16		0.71	-1.92	-1.13							
5-Mar-2010	12:00:00	-0.03	-0.72	-0.51	-1.11	2.97	1.22		1.72	-0.95	-0.12							

Date	Time	Water Level (inches)							FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6	Ambient									
5-Mar-2010	18:00:00	0.15	-0.54	-0.41	-1.16	3.06	1.31		1.86	-0.75	0.18						
6-Mar-2010	0:00:00	0.04	-0.57	-0.46	-1.49	2.82	1.24		1.72	-0.96	-0.08						0.00
6-Mar-2010	6:00:00	0.14	-0.55	-0.54	-1.45	2.71	1.29		1.66	-0.94	-0.10						
6-Mar-2010	12:00:00	-0.08	-0.84	-0.92	-1.70	2.42	1.08		1.57	-1.18	-0.05						
6-Mar-2010	18:00:00	-0.05	-0.76	-0.87	-1.98	2.30	1.07		1.69	-1.17	-0.03						
7-Mar-2010	0:00:00	-1.42	-2.08	-2.08	-3.57	0.60	-0.50		0.15	-2.59	-1.44						0.00
7-Mar-2010	6:00:00	-2.50	-3.31	-3.31	-5.03	-0.76	-1.71		-0.98	-3.84	-2.56						
7-Mar-2010	12:00:00	-0.34	-1.10	-1.16	-2.54	1.44	0.67		1.29	-1.47	-0.12						
7-Mar-2010	18:00:00	-0.11	-0.85	-0.88	-2.49	1.34	0.76		1.42	-1.39	0.07						
8-Mar-2010	0:00:00	-0.25	-0.85	-0.74	-2.58	1.06	0.55		1.30	-1.50	-0.02						0.00
8-Mar-2010	6:00:00	-1.53	-2.23	-2.04	-4.02	-0.41	-0.78		0.00	-2.95	-1.40						
8-Mar-2010	12:00:00	-0.49	-1.26	-1.24	-3.09	0.49	0.30		1.08	-1.89	-0.23						
8-Mar-2010	18:00:00	-0.20	-1.03	-0.95	-2.94	0.42	0.45		1.31	-1.62	0.10						
9-Mar-2010	0:00:00	-0.89	-1.58	-1.52	-3.60	-0.39	-0.33		0.69	-2.27	-0.63						0.00
9-Mar-2010	6:00:00	-1.53	-2.35	-2.20	-4.51	-1.24	-1.16		-0.09	-3.10	-1.36						
9-Mar-2010	12:00:00	-0.46	-1.40	-1.34	-3.49	-0.28	-0.15		1.05	-2.01	-0.15						
9-Mar-2010	18:00:00	-0.47	-1.38	-1.16	-3.80	-0.51	-0.24		1.08	-1.86	-0.09						
10-Mar-2010	0:00:00	-0.40	-1.32	-0.96	-3.72	-0.56	-0.36		1.03	-1.93	-0.04						0.00
10-Mar-2010	6:00:00	-0.35	-1.20	-0.93	-3.63	-0.74	-0.31		1.03	-1.93	-0.09						
10-Mar-2010	12:00:00	-0.52	-1.66	-1.40	-4.17	-0.99	-0.69		0.87	-2.19	-0.21						
10-Mar-2010	18:00:00	-0.35	-1.57	-1.12	-3.91	-0.98	-0.56		1.09	-2.01	0.00						
11-Mar-2010	0:00:00	-0.33	-1.26	-0.84	-3.69	-1.16	-0.65		1.12	-1.77	-0.05						0.68
11-Mar-2010	6:00:00	-0.23	-0.85	-0.65	-3.32	-1.05	-0.49		1.15	-1.75	-0.02						
11-Mar-2010	12:00:00	-0.32	-1.02	-0.87	-3.50	-1.23	-0.59		1.06	-1.89	-0.16						
11-Mar-2010	18:00:00	-0.27	-1.04	-0.89	-3.57	-1.35	-0.66		1.03	-1.91	-0.08						
12-Mar-2010	0:00:00	1.22	2.46	0.91	0.97	2.84	2.20		2.27	-0.06	0.38						0.52
12-Mar-2010	6:00:00	0.65	0.71	-0.05	3.43	4.98	2.02		2.79	0.35	0.73						
12-Mar-2010	12:00:00	0.27	-0.06	-0.23	0.36	4.34	1.73		2.46	0.03	0.51						
12-Mar-2010	18:00:00	1.10	1.53	0.94	0.85	4.96	2.40		2.80	0.41	0.80						
13-Mar-2010	0:00:00	1.03	2.94	0.31	5.34	5.85	2.25		2.94	0.48	1.05						0.03
13-Mar-2010	6:00:00	0.59	0.27	-0.01	3.67	5.65	1.98		2.73	0.25	0.91						
13-Mar-2010	12:00:00	0.28	-0.20	-0.24	0.72	4.45	1.73		2.34	-0.13	0.64						
13-Mar-2010	18:00:00	0.28	-0.28	-0.16	-0.23	4.11	1.73		2.34	-0.19	0.72						
14-Mar-2010	0:00:00	0.29	-0.39	-0.27	-0.49	3.69	1.54		2.27	-0.40	0.62						0.00
14-Mar-2010	6:00:00	0.21	-0.39	-0.44	-0.69	3.48	1.53		2.17	-0.52	0.39						
14-Mar-2010	12:00:00	0.14	-0.42	-0.39	-0.92	3.36	1.44		2.04	-0.70	0.34						
14-Mar-2010	18:00:00	0.17	-0.46	-0.46	-0.86	3.12	1.48		1.99	-0.69	0.25						
15-Mar-2010	0:00:00	0.11	-0.45	-0.47	-0.90	2.95	1.35		2.07	-0.78	0.33						0.02
15-Mar-2010	6:00:00	0.11	-0.51	-0.52	-1.16	2.76	1.32		1.96	-0.97	0.14						
15-Mar-2010	12:00:00	0.04	-0.66	-0.76	-1.29	2.60	1.24		1.83	-1.09	0.13						
15-Mar-2010	18:00:00	0.15	-0.51	-0.48	-1.28	2.38	1.32		1.99	-0.90	0.14						
16-Mar-2010	0:00:00	0.11	-0.49	-0.59	-1.28	2.34	1.24		1.95	-1.01	0.18						0.01
16-Mar-2010	6:00:00	0.03	-0.58	-0.69	-1.26	2.04	1.22		1.90	-1.09	-0.06						
16-Mar-2010	12:00:00	-0.07	-0.72	-0.94	-1.43	1.77	1.12		1.81	-1.27	-0.22						
16-Mar-2010	18:00:00	0.01	-0.73	-0.56	-1.38	1.63	1.10		1.83	-1.20	-0.09						
17-Mar-2010	0:00:00	-0.94	-1.56	-1.41	-2.21	0.45	0.21		0.84	-2.15	-0.94						0.00
17-Mar-2010	6:00:00	-1.53	-2.22	-1.97	-2.89	-0.32	-0.59		0.23	-2.81	-1.71						
17-Mar-2010	12:00:00	-0.26	-1.18	-0.78	-1.64	0.75	0.76		1.61	-1.49	-0.21						
17-Mar-2010	18:00:00	-0.11	-1.36	-0.57	-1.80	0.64	0.77		1.72	-1.35	0.09						
18-Mar-2010	0:00:00	-0.08	-1.02	-0.57	-2.21	0.33	0.70		1.73	-1.43	-0.03						0.00
18-Mar-2010	6:00:00	-0.14	-1.04	-0.65	-1.67	0.09	0.45		1.56	-1.57	-0.03						

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
18-Mar-2010	12:00:00	-0.19	-1.57	-0.80	-1.79	-0.21	0.35		1.59	-1.62	-0.05							
18-Mar-2010	18:00:00	-0.23	-1.66	-0.73	-2.51	-0.46	0.22		1.50	-1.63	0.02							
19-Mar-2010	0:00:00	-0.44	-1.84	-0.93	-2.90	-1.01	-0.14		1.14	-2.01	-0.41							0.00
19-Mar-2010	6:00:00	-1.25	-2.60	-1.84	-3.77	-2.00	-1.10		0.27	-2.80	-1.42							
19-Mar-2010	12:00:00	-0.40	-2.52	-1.17	-3.08	-1.17	-0.24		1.37	-1.86	-0.26							
19-Mar-2010	18:00:00	-0.34	-2.90	-1.05	-3.09	-1.44	-0.47		1.36	-1.84	-0.28							
20-Mar-2010	0:00:00	-0.31	-2.24	-0.89	-3.26	-1.72	-0.60		1.25	-1.99	-0.38							0.00
20-Mar-2010	6:00:00	-1.24	-2.94	-1.70	-4.27	-2.66	-1.71		0.39	-2.92	-1.44							
20-Mar-2010	12:00:00	-0.61	-3.80	-1.46	-4.31	-2.16	-1.17		1.05	-2.23	-0.62							
20-Mar-2010	18:00:00	-0.51	-3.97	-1.24	-4.45	-2.24	-1.22		1.12	-2.10	-0.46							
21-Mar-2010	0:00:00	-0.35	-2.94	-0.84	-4.13	-2.37	-1.29		1.26	-2.10	-0.40							0.00
21-Mar-2010	6:00:00	-0.28	-2.53	-0.73	-4.22	-2.37	-1.58		1.09	-2.13	-0.50							
21-Mar-2010	12:00:00	-0.59	-4.17	-1.30	-4.88	-2.72	-1.92		0.88	-2.25	-0.63							
21-Mar-2010	18:00:00	-0.64	-4.26	-1.23	-4.92	-2.81	-2.10		0.88	-2.37	-0.47							
22-Mar-2010	0:00:00	-0.47	-3.04	-0.83	-4.53	-2.72	-1.97		0.91	-2.27	-0.32							0.10
22-Mar-2010	6:00:00	-0.51	-2.62	-0.77	-4.41	-2.61	-2.06		1.00	-2.29	-0.45							
22-Mar-2010	12:00:00	-0.45	-1.35	-0.38	-3.19	-2.20	-1.44		0.96	-1.59	-0.24							
22-Mar-2010	18:00:00	-0.33	-1.60	-0.99	-3.93	-2.43	-1.35		1.24	-1.80	-0.05							
23-Mar-2010	0:00:00	-0.26	-1.62	-1.01	-3.31	-2.68	-1.49		1.07	-1.99	-0.27							0.00
23-Mar-2010	6:00:00	-0.28	-1.48	-0.86	-3.01	-2.74	-1.62		1.15	-1.93	-0.23	1.00	0.90	3.15	---	---		
23-Mar-2010	12:00:00	-0.28	-2.34	-0.75	-3.06	-3.04	-1.86		1.03	-2.14	-0.30							
23-Mar-2010	18:00:00	-0.28	-3.04	-0.78	-3.36	-3.26	-2.00		0.93	-2.23	-0.41							
24-Mar-2010	0:00:00	-0.14	-2.65	-0.57	-3.50	-3.35	-2.21		0.93	-2.20	-0.53							0.00
24-Mar-2010	6:00:00	-0.04	-2.46	-0.46	-3.57	-3.40	-2.37		1.03	-2.22	-0.53							
24-Mar-2010	12:00:00	-0.46	-4.41	-1.23	-4.81	-3.78	-2.76		0.65	-2.68	-0.80							
24-Mar-2010	18:00:00	-0.33	-4.99	-1.07	-4.91	-3.93	-2.85		0.76	-2.52	-0.60							
25-Mar-2010	0:00:00	-0.22	-3.85	-0.59	-4.55	-3.99	-3.14		0.69	-2.63	-0.71							0.00
25-Mar-2010	6:00:00	-0.45	-3.70	-0.78	-4.81	-4.14	-3.54		0.53	-2.86	-0.87							
25-Mar-2010	12:00:00	-0.53	-5.72	-1.24	-5.57	-4.18	-3.54		0.49	-2.79	-0.80							
25-Mar-2010	18:00:00	-0.33	-6.12	-0.90	-5.55	-4.29	-3.61		0.60	-2.67	-0.62							
26-Mar-2010	0:00:00	-0.23	-4.94	-0.56	-5.21	-4.11	-3.54		0.46	-2.63	-0.57							0.36
26-Mar-2010	6:00:00	-0.03	-1.06	0.36	-2.21	-2.54	-1.79		0.93	-1.32	-0.14							
26-Mar-2010	12:00:00	-0.39	-1.53	-0.69	-3.57	-3.14	-1.73		0.87	-1.91	-0.24							
26-Mar-2010	18:00:00	-0.08	-0.75	-0.15	-2.05	-2.52	-1.22		1.07	-1.38	-0.17							
27-Mar-2010	0:00:00	-0.17	-0.93	-0.46	-1.01	-2.75	-1.25		1.07	-1.71	-0.40							0.00
27-Mar-2010	6:00:00	-1.04	-1.96	-1.57	-2.16	-3.95	-2.19		0.04	-2.80	-1.47							
27-Mar-2010	12:00:00	-0.31	-1.38	-1.06	-2.43	-3.35	-1.50		0.84	-2.07	-0.65							
27-Mar-2010	18:00:00	-0.22	-1.57	-1.01	-2.70	-3.69	-1.65		0.85	-2.11	-0.52							
28-Mar-2010	0:00:00	-0.59	-1.93	-1.10	-3.23	-3.96	-2.06		0.45	-2.47	-0.98							0.00
28-Mar-2010	6:00:00	-0.43	-1.70	-0.74	-3.24	-3.52	-2.05		0.59	-2.49	-0.71							
28-Mar-2010	12:00:00	-0.47	-2.54	-1.21	-4.16	-3.68	-2.07		0.61	-2.37	-0.41							
28-Mar-2010	18:00:00	-0.43	-3.27	-1.17	-4.41	-4.00	-2.28		0.59	-2.32	-0.33							
29-Mar-2010	0:00:00	-0.40	-2.95	-0.73	-4.27	-3.75	-2.28		0.59	-2.22	-0.38							2.83
29-Mar-2010	6:00:00	1.85	3.03	3.01	2.31	6.00	3.83		3.41	1.02	0.84							
29-Mar-2010	12:00:00	12.70	17.54	1.02	15.39	18.24	2.70		9.19	4.74	3.15							
29-Mar-2010	18:00:00	2.39	8.96	0.08	10.07	13.33	1.92		6.43	2.52	3.61							
30-Mar-2010	0:00:00	0.55	1.62	-0.17	6.28	8.37	1.66		3.57	0.24	1.27							0.02
30-Mar-2010	6:00:00	0.50	-0.36	-0.28	3.96	5.14	1.56		2.47	-0.15	0.55							
30-Mar-2010	12:00:00	0.49	-0.55	-0.45	1.63	4.10	1.48		2.19	-0.28	0.37							
30-Mar-2010	18:00:00	0.52	-0.72	-0.86	0.12	3.40	1.19		1.98	-0.55	0.28							
31-Mar-2010	0:00:00	0.55	-0.66	-0.50	-0.56	3.15	1.23		1.93	-0.69	0.09							0.00

Date	Time	Water Level (inches)							FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6	Ambient									
31-Mar-2010	6:00:00	0.55	-0.64	-0.62	-0.72	2.83	1.30		1.92	-0.71	0.03						
31-Mar-2010	12:00:00	0.17	-1.44	-1.67	-1.57	2.19	1.04		1.65	-0.97	-0.15						
31-Mar-2010	18:00:00	0.34	-1.65	-1.41	-1.83	1.80	0.85		1.63	-1.02	-0.08						
1-Apr-2010	0:00:00	0.38	-1.42	-0.87	-1.83	1.44	0.84		1.66	-1.01	-0.17						0.00
1-Apr-2010	6:00:00	0.15	-1.63	-1.00	-2.19	0.84	0.42		1.31	-1.37	-0.39						
1-Apr-2010	12:00:00	0.09	-2.77	-1.89	-2.90	0.34	0.33		1.33	-1.37	-0.27						
1-Apr-2010	18:00:00	0.19	-3.70	-1.53	-3.05	-0.18	0.23		1.37	-1.27	-0.21						
2-Apr-2010	0:00:00	0.21	-2.91	-1.09	-2.87	-0.54	0.15		1.29	-1.45	-0.29						0.00
2-Apr-2010	6:00:00	0.13	-2.89	-1.03	-3.07	-1.01	-0.14		1.25	-1.56	-0.38						
2-Apr-2010	12:00:00	0.09	-4.70	-1.77	-3.90	-1.36	-0.27		1.14	-1.65	-0.30						
2-Apr-2010	18:00:00	0.08	-5.64	-2.92	-4.17	-1.82	-0.54		1.21	-1.68	-0.23						
3-Apr-2010	0:00:00	0.10	-4.42	-1.33	-3.91	-2.18	-0.69		1.09	-1.73	-0.35						0.00
3-Apr-2010	6:00:00	0.01	-3.88	-1.22	-3.73	-2.38	-0.89		1.07	-1.79	-0.51						
3-Apr-2010	12:00:00	-0.09	-5.84	-1.84	-4.87	-2.55	-1.16		0.89	-1.93	-0.36						
3-Apr-2010	18:00:00	-0.01	-6.66	-3.39	-5.01	-2.86	-1.29		0.96	-1.89	-0.30						
4-Apr-2010	0:00:00	0.10	-5.16	-1.40	-4.51	-3.00	-1.45		0.91	-1.87	-0.29						0.00
4-Apr-2010	6:00:00	0.16	-4.66	-1.24	-4.37	-3.14	-1.63		0.90	-1.91	-0.35						
4-Apr-2010	12:00:00	-0.23	-7.54	-2.21	-5.75	-3.57	-1.97		0.69	-2.13	-0.53						
4-Apr-2010	18:00:00	-0.19	-8.10	-4.33	-6.03	-4.14	-2.48		0.54	-2.20	-0.52						
5-Apr-2010	0:00:00	0.01	-6.44	-3.86	-5.34	-4.16	-2.57		0.54	-2.26	-0.59						0.00
5-Apr-2010	6:00:00	-0.15	-5.97	-3.76	-5.22	-4.29	-2.94		0.42	-2.39	-0.64						
5-Apr-2010	12:00:00	-0.40	-9.48	-5.62	-6.86	-4.61	-3.27		0.24	-2.61	-0.69						
5-Apr-2010	18:00:00	-0.38	-10.44	-7.21	-7.19	-5.26	-3.90		0.07	-2.74	-0.83						
6-Apr-2010	0:00:00	-0.16	-8.05	-6.57	-6.31	-5.08	-3.85		0.12	-2.53	-0.70						0.00
6-Apr-2010	6:00:00	-0.44	-7.63	-6.97	-6.35	-5.44	-4.21		-0.07	-2.89	-1.06						
6-Apr-2010	12:00:00	-0.43	-11.41	-9.35	-7.89	-5.63	-4.58		-0.08	-2.97	-0.87						
6-Apr-2010	18:00:00	-0.40	-12.24	-11.83	-8.33	-6.22	-5.16		-0.06	-3.18	-0.92						
7-Apr-2010	0:00:00	-0.40	-10.03	-11.54	-7.49	-6.32	-5.30		-0.25	-3.34	-1.18						0.00
7-Apr-2010	6:00:00	-0.83	-9.70	-12.09	-7.71	-6.75	-6.02		-0.85	-3.71	-1.74						
7-Apr-2010	12:00:00	-0.51	-13.11	-14.86	-9.12	-6.71	-6.20		-0.45	-3.52	-1.35						
7-Apr-2010	18:00:00	-0.70	-13.95	-17.90	-9.68	-7.38	-6.90		-0.56	-3.93	-1.60						
8-Apr-2010	0:00:00	-0.41	-11.61	-17.33	-8.52	-7.29	-6.80		-0.60	-3.82	-1.47						0.00
8-Apr-2010	6:00:00	-0.63	-11.01	-17.74	-8.36	-7.58	-7.26		-1.02	-4.19	-1.92						
8-Apr-2010	12:00:00	-0.62	-13.72	-19.52	-10.20	-7.72	-7.64		-0.95	-4.24	-1.95						
8-Apr-2010	18:00:00	-0.82	-15.08	-22.15	-11.09	-8.40	-8.63		-1.13	-4.81	-2.19						
9-Apr-2010	0:00:00	-0.63	-13.06	-22.31	-10.04	-8.50	-8.73		-1.20	-4.72	-2.13						1.11
9-Apr-2010	6:00:00	0.07	-0.60	-0.99	0.49	3.32	1.30		2.14	-0.03	-0.15						
9-Apr-2010	12:00:00	-1.34	-2.14	-2.68	-1.46	2.08	0.09		0.96	-1.51	-1.60						
9-Apr-2010	18:00:00	-0.35	-1.52	-2.36	-1.31	2.54	0.87		1.61	-0.78	-0.95						
10-Apr-2010	0:00:00	-3.40	-4.54	-5.37	-5.25	-1.13	-2.29		-1.59	-3.89	-3.93						0.00
10-Apr-2010	6:00:00	-5.50	-6.81	-7.65	-7.87	-3.82	-4.73		-4.01	-6.30	-6.24						
10-Apr-2010	12:00:00	-0.28	-2.13	-3.56	-3.14	0.97	0.63		1.26	-1.06	-1.05						
10-Apr-2010	18:00:00	-0.15	-2.74	-5.23	-3.48	0.36	0.25		1.19	-1.13	-0.88						
11-Apr-2010	0:00:00	-3.04	-5.59	-7.78	-6.53	-3.17	-2.90		-1.76	-4.05	-3.70						0.00
11-Apr-2010	6:00:00	-3.97	-6.76	-8.90	-7.63	-4.64	-4.05		-2.75	-5.13	-4.56						
11-Apr-2010	12:00:00	-0.35	-4.52	-6.90	-4.73	-1.43	-0.65		0.90	-1.57	-0.95						
11-Apr-2010	18:00:00	-0.35	-6.06	-9.43	-5.25	-2.38	-1.07		0.78	-1.79	-1.00						
12-Apr-2010	0:00:00	-0.88	-5.76	-9.31	-5.60	-3.39	-1.86		0.11	-2.41	-1.46						0.00
12-Apr-2010	6:00:00	-2.67	-7.52	-11.60	-7.55	-5.45	-4.05		-1.70	-4.36	-3.11						
12-Apr-2010	12:00:00	-0.58	-7.82	-12.19	-6.30	-3.72	-2.23		0.41	-2.41	-1.42						
12-Apr-2010	18:00:00	-0.58	-8.98	-15.56	-6.85	-4.40	-2.85		0.28	-2.50	-1.35						

Date	Time	Water Level (inches)							FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6	Ambient									
13-Apr-2010	0:00:00	-1.35	-8.35	-15.81	-7.29	-5.51	-4.09	-0.59	-3.42	-2.07							0.01
13-Apr-2010	6:00:00	-1.73	-8.54	-16.51	-7.98	-6.26	-5.01	-1.34	-4.20	-2.66							
13-Apr-2010	12:00:00	-0.61	-10.14	-17.56	-7.77	-5.25	-4.10	-0.11	-3.04	-1.76							
13-Apr-2010	18:00:00	-0.46	-10.46	-20.02	-8.18	-5.76	-4.67	-0.03	-3.36	-1.74							
14-Apr-2010	0:00:00	-0.67	-9.36	-20.26	-7.91	-6.15	-5.28	-0.32	-3.57	-1.92							0.01
14-Apr-2010	6:00:00	-0.76	-7.78	-18.20	-7.27	-6.20	-4.71	-0.48	-3.33	-1.95							
14-Apr-2010	12:00:00	-0.51	-8.18	-19.09	-7.43	-6.21	-4.95	-0.37	-3.45	-1.89							
14-Apr-2010	18:00:00	-0.67	-9.90	-21.39	-8.64	-6.60	-5.57	-0.56	-3.79	-2.21							
15-Apr-2010	0:00:00	-3.87	-12.28	-24.77	-11.53	-10.20	-9.14	-3.98	-7.27	-5.33							0.00
15-Apr-2010	6:00:00	-4.94	-12.99	-26.11	-12.55	-11.26	-10.59	-5.19	-8.34	-6.42							
15-Apr-2010	12:00:00	-0.65	-11.22	-22.90	-9.43	-7.17	-6.63	-0.85	-4.08	-2.37							
15-Apr-2010	18:00:00	-0.88	-12.42	-24.71	-10.32	-7.76	-7.27	-1.02	-4.79	-2.39							
16-Apr-2010	0:00:00	-0.94	-10.77	-24.91	-9.63	-7.84	-7.68	-1.43	-4.87	-2.46							0.00
16-Apr-2010	6:00:00	-0.85	-10.17	-24.82	-9.35	-7.98	-7.87	-1.53	-4.89	-2.54							
16-Apr-2010	12:00:00	-1.00	-13.58	-25.88	-11.42	-8.32	-8.35	-1.46	-5.26	-2.90							
16-Apr-2010	18:00:00	-1.19	-15.27	-27.38	-12.77	-9.18	-9.33	-1.61	-6.10	-3.16							
17-Apr-2010	0:00:00	-0.99	-13.15	-27.76	-11.72	-9.21	-9.39	-1.79	-5.91	-2.84							0.00
17-Apr-2010	6:00:00	-0.70	-12.38	-27.82	-11.31	-9.21	-9.63	-1.86	-5.87	-2.75							
17-Apr-2010	12:00:00	-0.97	-15.07	-28.82	-13.28	-9.83	-10.79	-2.27	-6.87	-4.07							
17-Apr-2010	18:00:00	-1.28	-16.71	-30.08	-14.54	-10.58	-12.31	-2.76	-7.87	-4.94							
18-Apr-2010	0:00:00	-1.09	-14.77	-31.07	-14.06	-10.84	-13.27	-2.97	-8.28	-4.98							0.00
18-Apr-2010	6:00:00	-3.62	-16.87	-33.89	-16.46	-13.55	-16.45	-5.90	-11.19	-7.65							
18-Apr-2010	12:00:00	-1.40	-17.23	-31.88	-15.53	-11.34	-14.64	-3.77	-9.13	-6.52							
18-Apr-2010	18:00:00	-1.49	-18.20	-32.85	-16.57	-11.97	-15.98	-4.28	-10.24	-7.74							
19-Apr-2010	0:00:00	-3.34	-18.64	-35.35	-18.29	-14.01	-18.61	-6.65	-12.46	-9.74							0.00
19-Apr-2010	6:00:00	-4.81	-19.68	-37.11	-19.80	-15.59	-20.60	-8.31	-14.15	-11.49							
19-Apr-2010	12:00:00	-1.91	-18.68	-34.16	-17.54	-12.59	-17.57	-5.49	-11.41	-9.54							
19-Apr-2010	18:00:00	-1.97	-19.62	-34.79	-18.71	-13.14	-18.57	-6.12	-12.58	-11.26							
20-Apr-2010	0:00:00	-3.83	-20.12	-37.05	-20.53	-15.02	-20.88	-8.30	-14.75	-13.02							0.00
20-Apr-2010	6:00:00	-4.41	-20.25	-37.82	-21.23	-15.68	-21.67	-9.05	-15.39	-13.77							
20-Apr-2010	12:00:00	-2.51	-20.01	-35.77	-19.46	-13.60	-19.65	-7.20	-13.63	-12.92							
20-Apr-2010	18:00:00	-3.10	-21.14	-36.38	-20.57	-14.28	-20.70	-8.03	-15.31	-14.92							
21-Apr-2010	0:00:00	-3.04	-19.57	-36.37	-20.81	-14.33	-20.48	-8.27	-15.64	-14.75							0.33
21-Apr-2010	6:00:00	-2.95	-18.88	-36.45	-20.82	-14.28	-20.25	-8.41	-15.87	-14.78							
21-Apr-2010	12:00:00	-2.19	-17.80	-36.44	-20.19	-13.40	-18.31	-6.80	-15.41	-13.65							
21-Apr-2010	18:00:00	-1.79	-15.08	-36.26	-17.79	-12.88	-14.05	-5.60	-12.04	-10.17							
22-Apr-2010	0:00:00	-1.53	-14.54	-36.23	-17.01	-13.07	-14.27	-6.15	-12.00	-10.48							0.01
22-Apr-2010	6:00:00	-1.59	-14.65	-36.38	-17.22	-13.49	-14.95	-6.89	-12.72	-11.37							
22-Apr-2010	12:00:00	-1.33	-14.84	-36.11	-17.29	-13.54	-15.00	-7.05	-12.90	-11.91							
22-Apr-2010	18:00:00	-1.73	-17.83	-36.46	-20.13	-14.81	-17.47	-8.73	-15.78	-15.56							
23-Apr-2010	0:00:00	-2.08	-17.70	-36.95	-21.05	-15.33	-18.80	-9.60	-16.95	-16.60							0.00
23-Apr-2010	6:00:00	-1.93	-17.30	-36.88	-20.99	-15.28	-19.05	-9.77	-17.10	-16.68							
23-Apr-2010	12:00:00	-2.08	-19.54	-36.47	-21.38	-15.42	-20.01	-10.19	-17.49	-17.85							
23-Apr-2010	18:00:00	-2.44	-20.80	-36.46	-22.27	-15.98	-21.50	-10.98	-18.63	-19.35							
24-Apr-2010	0:00:00	-2.32	-19.52	-36.35	-22.56	-16.00	-21.77	-11.28	-19.19	-19.70							0.06
24-Apr-2010	6:00:00	-2.50	-18.97	-36.41	-22.65	-15.99	-21.51	-11.53	-19.38	-19.82							
24-Apr-2010	12:00:00	-3.02	-20.13	-36.57	-22.97	-16.35	-21.91	-12.26	-19.90	-20.38							
24-Apr-2010	18:00:00	-3.53	-20.92	-36.53	-23.48	-16.66	-22.25	-12.96	-20.51	-21.51							
25-Apr-2010	0:00:00	-2.54	-19.68	-36.45	-23.49	-15.98	-20.64	-12.13	-20.59	-20.94							0.20
25-Apr-2010	6:00:00	-1.61	-15.46	-36.41	-21.48	-14.52	-14.37	-8.49	-17.25	-15.96							
25-Apr-2010	12:00:00	-2.02	-15.48	-36.53	-20.09	-14.63	-12.91	-8.77	-15.34	-14.74							

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
25-Apr-2010	18:00:00	-2.19	-17.74	-36.38	-21.19	-15.69	-14.54		-10.88	-17.11	-17.39							
26-Apr-2010	0:00:00	-1.94	-17.24	-36.38	-21.49	-15.76	-14.94		-11.33	-18.00	-17.80							0.00
26-Apr-2010	6:00:00	-1.97	-16.77	-36.49	-21.44	-15.68	-15.08		-11.42	-18.15	-17.78							
26-Apr-2010	12:00:00	-3.25	-20.02	-36.58	-22.85	-16.77	-16.85		-13.10	-19.18	-19.92							
26-Apr-2010	18:00:00	-4.09	-21.37	-36.40	-23.87	-17.61	-20.00		-14.54	-21.12	-22.88							
27-Apr-2010	0:00:00	-4.46	-20.72	-36.31	-24.32	-17.70	-20.93		-15.14	-22.01	-24.02							0.00
27-Apr-2010	6:00:00	-4.75	-20.48	-36.25	-24.65	-17.73	-21.60		-15.49	-22.35	-24.48							
27-Apr-2010	12:00:00	-6.35	-22.42	-36.33	-25.16	-18.52	-23.01		-16.45	-23.07	-25.91							
27-Apr-2010	18:00:00	-5.54	-21.42	-36.43	-25.63	-18.39	-20.87		-16.67	-23.43	-27.04							
28-Apr-2010	0:00:00	-6.08	-20.37	-36.45	-25.79	-18.63	-21.60		-17.11	-23.45	-27.28							0.00
28-Apr-2010	6:00:00	-7.84	-21.30	-37.45	-26.87	-20.02	-23.90		-18.79	-25.08	-28.90	1.45	1.50	4.12	---	---		
28-Apr-2010	12:00:00	-8.65	-22.57	-36.26	-26.07	-20.19	-25.52		-19.97	-26.05	-28.55							
28-Apr-2010	18:00:00	-11.54	-23.60	-36.26	-26.84	-22.48	-28.46		-22.94	-28.96	-30.82							
29-Apr-2010	0:00:00	-14.30	-25.14	-38.62	-29.45	-23.73	-29.99		-24.60	-30.63	-31.97							0.00
29-Apr-2010	6:00:00	-15.95	-25.92	-39.71	-31.07	-20.92	-26.99		-21.84	-27.81	-28.47							
29-Apr-2010	12:00:00	-14.59	-24.22	-36.45	-28.01	-21.66	-28.09		-23.06	-28.83	-28.49							
29-Apr-2010	18:00:00	-17.39	-24.97	-36.37	-28.44	-21.86	-28.63		-23.89	-29.39	-28.74							
30-Apr-2010	0:00:00	-17.81	-24.32	-36.62	-29.15	-21.66	-28.33		-23.93	-29.47	-28.65							0.00
30-Apr-2010	6:00:00	-17.81	-23.80	-36.52	-29.23	-22.34	-28.75		-24.35	-29.83	-28.37							
30-Apr-2010	12:00:00	-19.31	-25.50	-36.32	-29.37	-23.48	-30.03		-25.41	-30.83	-28.40							
30-Apr-2010	18:00:00	-21.33	-26.32	-36.33	-29.85	-23.42	-30.12		-26.07	-31.31	-28.36							
1-May-2010	0:00:00	-21.47	-25.52	-36.28	-30.05	-23.25	-29.77		-26.39	-32.01	-28.42							0.00
1-May-2010	6:00:00	-21.38	-24.98	-36.27	-30.27	-23.91	-30.23		-26.89	-32.97	-28.47							
1-May-2010	12:00:00	-22.34	-26.58	-36.34	-30.67	-25.34	-31.37		-28.03	-33.82	-28.29							
1-May-2010	18:00:00	-23.83	-27.36	-36.21	-31.08	-25.24	-31.46		-28.83	-34.26	-28.14							
2-May-2010	0:00:00	-24.02	-26.59	-36.26	-31.28	-24.98	-31.17		-29.41	-34.59	-28.47							0.00
2-May-2010	6:00:00	-24.01	-26.07	-36.40	-31.56	-25.98	-31.93		-30.01	-35.14	-28.41							
2-May-2010	12:00:00	-24.77	-27.84	-36.46	-31.91	-27.30	-32.84		-31.40	-35.87	-28.24							
2-May-2010	18:00:00	-25.83	-28.32	-36.35	-32.15	-27.51	-33.13		-32.61	-36.33	-28.25							
3-May-2010	0:00:00	-26.19	-27.79	-36.27	-32.36	-27.18	-32.95		-33.38	-36.39	-28.31							0.00
3-May-2010	6:00:00	-26.37	-27.43	-36.38	-32.63	-27.99	-33.57		-34.19	-36.36	-28.25							
3-May-2010	12:00:00	-26.89	-28.74	-36.35	-32.93	-29.02	-34.13		-35.52	-36.31	-28.26							
3-May-2010	18:00:00	-27.59	-29.00	-36.31	-33.26	-28.90	-34.23		-36.17	-36.24	-28.17							
4-May-2010	0:00:00	-27.58	-28.12	-36.19	-33.45	-28.60	-33.93		-36.32	-36.24	-28.20							0.08
4-May-2010	6:00:00	-27.59	-27.58	-36.28	-33.60	-28.74	-33.90		-36.42	-36.42	-28.30							
4-May-2010	12:00:00	-27.87	-28.04	-36.45	-33.90	-29.42	-34.44		-36.30	-36.37	-28.35							
4-May-2010	18:00:00	-28.31	-28.89	-36.37	-34.08	-30.02	-35.31		-36.89	-36.87	-28.89							
5-May-2010	0:00:00	-28.87	-28.56	-36.88	-34.81	-30.11	-35.60		-37.14	-37.11	-28.97							0.00
5-May-2010	6:00:00	-29.06	-28.17	-37.07	-35.04	-29.72	-35.03		-36.48	-36.49	-28.28							
5-May-2010	12:00:00	-28.73	-29.22	-36.43	-34.43	-31.18	-35.66		-36.32	-36.21	-28.17							
5-May-2010	18:00:00	-29.06	-29.50	-36.40	-34.21	-31.56	-36.08		-36.33	-36.21	-28.10							
6-May-2010	0:00:00	-28.90	-28.98	-36.22	-34.19	-31.29	-36.18		-36.38	-36.27	-28.14							0.00
6-May-2010	6:00:00	-29.00	-28.41	-36.23	-34.31	-31.80	-36.30		-36.31	-36.30	-28.12							
6-May-2010	12:00:00	-29.07	-29.53	-36.19	-34.32	-33.39	-36.95		-36.37	-36.27	-28.14							
6-May-2010	18:00:00	-29.12	-29.48	-36.33	-34.28	-33.14	-36.83		-36.18	-36.23	-27.98							
7-May-2010	0:00:00	-28.94	-29.43	-36.11	-34.21	-34.18	-37.83		-37.22	-37.19	-29.10							0.00
7-May-2010	6:00:00	-30.01	-30.21	-37.11	-35.21	-33.18	-36.84		-36.23	-36.27	-28.11							
7-May-2010	12:00:00	-28.90	-29.32	-36.20	-34.34	-33.20	-36.79		-36.26	-36.31	-28.20							
7-May-2010	18:00:00	-29.01	-29.43	-36.25	-34.25	-33.14	-36.83		-36.30	-36.36	-28.20							
8-May-2010	0:00:00	-29.06	-29.52	-36.25	-34.35	-33.11	-36.85		-36.27	-36.34	-28.23							0.00
8-May-2010	6:00:00	-29.03	-29.53	-36.32	-34.41	-33.03	-36.68		-36.27	-36.37	-28.14							

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
8-May-2010	12:00:00	-28.82	-29.46	-36.26	-34.34	-32.86	-36.50		-36.09	-36.05	-28.04							
8-May-2010	18:00:00	-28.70	-29.30	-36.07	-34.14	-32.84	-36.39		-36.00	-36.03	-27.98							
9-May-2010	0:00:00	-28.65	-29.23	-36.09	-34.20	-34.22	-37.85		-37.53	-37.47	-29.38						0.00	
9-May-2010	6:00:00	-29.95	-30.72	-37.57	-35.59	-32.98	-36.57		-36.27	-36.25	-28.20							
9-May-2010	12:00:00	-28.71	-29.50	-36.22	-34.29	-32.72	-36.49		-36.18	-36.07	-28.01							
9-May-2010	18:00:00	-28.69	-29.32	-35.99	-34.20	-35.85	-39.42		-39.19	-39.17	-31.02							
10-May-2010	0:00:00	-31.64	-32.41	-39.08	-37.21	-36.44	-40.02		-39.75	-39.70	-31.62						0.00	
10-May-2010	6:00:00	-32.25	-32.97	-39.56	-37.86	-32.90	-36.51		-36.17	-36.16	-28.02							
10-May-2010	12:00:00	-28.69	-29.49	-36.07	-34.27	-32.88	-36.57		-36.19	-36.07	-28.01							
10-May-2010	18:00:00	-28.69	-29.46	-36.03	-34.28	-33.35	-36.93		-36.67	-36.55	-28.54							
11-May-2010	0:00:00	-29.17	-29.92	-36.51	-34.71	-34.22	-37.86		-37.56	-37.50	-29.50						0.00	
11-May-2010	6:00:00	-30.09	-30.81	-37.42	-35.69	-32.93	-36.57		-36.31	-36.15	-28.17							
11-May-2010	12:00:00	-28.76	-29.47	-36.20	-34.34	-32.94	-36.57		-36.23	-36.12	-28.13							
11-May-2010	18:00:00	-28.73	-29.49	-36.03	-34.27	-32.91	-36.56		-36.21	-36.10	-28.16							
12-May-2010	0:00:00	-28.75	-29.46	-36.07	-34.28	-32.84	-36.53		-36.17	-36.10	-28.16						0.00	
12-May-2010	6:00:00	-28.69	-29.37	-35.92	-34.26	-32.87	-36.62		-36.26	-36.16	-28.13							
12-May-2010	12:00:00	-28.88	-29.56	-36.08	-34.34	-32.87	-36.57		-36.25	-36.10	-28.25							
12-May-2010	18:00:00	-28.73	-29.52	-36.02	-34.34	-32.85	-36.51		-36.19	-36.11	-28.19							
13-May-2010	0:00:00	-28.81	-29.43	-36.04	-34.34	-17.24	-7.58		-36.36	-26.08	-28.23						1.47	
13-May-2010	6:00:00	0.39	-12.27	-36.20	-34.40	-18.77	-9.83		-36.25	-36.24	-28.28							
13-May-2010	12:00:00	-0.55	-11.01	-36.08	-25.17	-19.25	-10.62		-36.26	-36.34	-28.17							
13-May-2010	18:00:00	-0.98	-12.31	-36.08	-15.60	-19.55	-11.51		-36.39	-36.34	-28.23							
14-May-2010	0:00:00	-1.13	-12.82	-36.08	-13.95	-19.77	-12.42		-36.32	-36.34	-28.18						0.00	
14-May-2010	6:00:00	-1.29	-13.02	-36.11	-13.51	-20.76	-14.07		-36.39	-36.37	-28.22							
14-May-2010	12:00:00	-1.69	-14.82	-36.10	-14.29	-21.81	-17.15		-36.14	-36.13	-27.93							
14-May-2010	18:00:00	-2.01	-15.37	-35.87	-14.31	-21.81	-19.41		-36.24	-36.24	-28.12							
15-May-2010	0:00:00	-2.06	-14.80	-35.97	-14.19	-21.96	-20.59		-36.26	-36.31	-28.22						0.00	
15-May-2010	6:00:00	-2.20	-14.60	-35.99	-14.24	-23.22	-22.29		-36.30	-36.29	-28.23							
15-May-2010	12:00:00	-3.03	-16.47	-36.02	-15.36	-25.14	-24.53		-36.17	-36.22	-28.10							
15-May-2010	18:00:00	-4.00	-17.48	-35.98	-16.29	-24.77	-25.98		-36.17	-36.17	-28.18							
16-May-2010	0:00:00	-4.57	-17.05	-35.93	-16.03	-24.64	-26.79		-36.32	-36.24	-28.29						0.24	
16-May-2010	6:00:00	-3.43	-16.44	-35.97	-15.80	-24.14	-25.32		-36.21	-36.21	-28.19							
16-May-2010	12:00:00	-2.08	-13.78	-35.97	-14.18	-25.17	-24.50		-36.19	-36.18	-28.17							
16-May-2010	18:00:00	-1.07	-14.78	-36.04	-15.38	-25.18	-24.91		-36.23	-36.12	-28.07							
17-May-2010	0:00:00	-0.92	-13.48	-35.97	-15.12	-24.76	-23.75		-36.36	-36.28	-28.20						4.29	
17-May-2010	6:00:00	-0.93	-12.22	-35.95	-14.34	-24.39	-22.65		-36.21	-36.22	-28.11							
17-May-2010	12:00:00	-0.89	-11.97	-35.90	-14.35	-9.41	-2.27		-36.24	-24.52	-28.13							
17-May-2010	18:00:00	2.13	-1.02	-32.30	-3.54	20.23	2.47		2.99	0.77	-3.50							
18-May-2010	0:00:00	18.16	23.27	-0.78	18.39	23.49	2.73		11.86	7.85	3.73						1.25	
18-May-2010	6:00:00	21.77	27.14	0.51	21.64	19.09	1.80		9.33	5.39	1.17							
18-May-2010	12:00:00	11.72	17.13	-0.52	15.41	13.42	1.54		5.33	1.72	-2.78							
18-May-2010	18:00:00	2.23	8.39	-0.73	9.28	9.92	1.31		2.99	0.07	-4.29							
19-May-2010	0:00:00	0.45	3.00	-0.94	6.33	6.85	1.08		1.90	-0.59	-4.73						0.06	
19-May-2010	6:00:00	0.37	0.99	-0.84	4.17	5.07	1.13		1.65	-0.79	-4.64							
19-May-2010	12:00:00	0.44	0.44	-0.75	3.05	4.12	0.71		1.27	-1.17	-4.68							
19-May-2010	18:00:00	0.45	0.18	-0.94	1.57	3.19	0.01		0.67	-1.74	-4.74							
20-May-2010	0:00:00	-0.01	-0.19	-1.15	-0.11	2.76	-0.34		0.47	-1.86	-4.56						0.00	
20-May-2010	6:00:00	0.03	-0.33	-1.10	-0.79	2.30	-0.57		0.48	-2.11	-5.21							
20-May-2010	12:00:00	0.07	-1.27	-1.65	-1.34	1.53	-1.45		0.16	-2.73	-5.63							
20-May-2010	18:00:00	0.07	-1.98	-1.86	-2.10	0.80	-2.15		-0.08	-2.97	-5.49							
21-May-2010	0:00:00	0.03	-1.82	-1.17	-2.35	-0.29	-3.11		-0.72	-3.58	-5.92						0.00	

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
21-May-2010	6:00:00	-0.37	-2.55	-1.55	-3.00	-0.95	-3.53		-0.59	-3.96	-6.78							
21-May-2010	12:00:00	-0.17	-4.11	-1.89	-3.50	-2.02	-4.69		-0.97	-5.31	-8.09							
21-May-2010	18:00:00	-0.15	-5.90	-1.99	-4.10	-2.60	-5.05		-1.29	-5.71	-7.76							
22-May-2010	0:00:00	-0.13	-5.19	-1.29	-3.98	-3.06	-5.51		-1.62	-5.91	-7.67						0.00	
22-May-2010	6:00:00	-0.20	-5.30	-1.30	-4.23	-3.89	-6.43		-2.00	-7.08	-9.71							
22-May-2010	12:00:00	-0.41	-7.68	-1.95	-5.05	-4.77	-7.62		-2.64	-9.45	-12.21							
22-May-2010	18:00:00	-0.22	-9.07	-1.88	-5.55	-4.86	-7.67		-3.02	-9.45	-11.58							
23-May-2010	0:00:00	-0.05	-7.81	-1.24	-5.25	-4.80	-7.49		-3.35	-9.65	-11.57						0.08	
23-May-2010	6:00:00	-0.05	-5.72	-1.00	-4.80	-5.49	-8.82		-3.99	-11.74	-14.57							
23-May-2010	12:00:00	-0.27	-7.65	-1.66	-5.96	-2.93	-3.62		-1.19	-4.84	-9.32							
23-May-2010	18:00:00	0.37	-3.84	-0.27	-2.09	-3.11	-4.77		-1.71	-5.79	-8.48							
24-May-2010	0:00:00	-0.04	-2.31	-0.65	-2.99	-3.66	-5.07		-1.85	-6.10	-8.36						0.07	
24-May-2010	6:00:00	-0.01	-2.53	-0.78	-3.31	-2.12	-2.22		-0.54	-3.72	-7.16							
24-May-2010	12:00:00	0.76	-0.84	-0.22	-1.32	-1.22	-1.55		-0.74	-3.33	-5.82							
24-May-2010	18:00:00	0.89	1.59	0.34	1.43	-1.17	-1.68		-0.74	-3.63	-5.57							
25-May-2010	0:00:00	0.35	0.54	-0.14	-0.07	-0.86	-2.11		-1.09	-4.01	-5.50						0.00	
25-May-2010	6:00:00	0.08	0.16	-0.43	-0.89	-1.25	-2.73		-1.31	-4.38	-6.40							
25-May-2010	12:00:00	0.13	-0.60	-0.65	-1.22	-2.28	-3.71		-1.93	-6.23	-8.16							
25-May-2010	18:00:00	0.10	-0.94	-0.95	-2.09	-2.44	-3.55		-2.15	-6.28	-7.59							
26-May-2010	0:00:00	0.05	-0.69	-0.46	-2.31	-2.63	-3.86		-2.24	-6.23	-7.19						0.00	
26-May-2010	6:00:00	0.03	-0.80	-0.54	-2.52	-3.50	-4.68		-2.99	-7.59	-9.65							
26-May-2010	12:00:00	-0.13	-2.46	-1.23	-3.33	-4.60	-5.90		-4.15	-10.50	-13.23							
26-May-2010	18:00:00	-0.15	-4.32	-1.61	-4.16	-4.66	-6.12		-4.74	-10.61	-12.86							
27-May-2010	0:00:00	-0.02	-3.70	-0.96	-4.04	-4.54	-6.44		-4.99	-10.75	-12.48						0.00	
27-May-2010	6:00:00	-0.04	-3.68	-0.84	-4.08	-6.17	-8.25		-6.21	-13.87	-17.43	1.90	0.00	6.65				
27-May-2010	12:00:00	-0.65	-7.02	-2.14	-5.45	-7.23	-10.27		-8.10	-17.76	-23.12							
27-May-2010	18:00:00	-0.52	-9.07	-2.21	-6.24	-7.06	-10.64		-8.77	-17.95	-23.79							
28-May-2010	0:00:00	-0.44	-7.90	-1.51	-5.99	-6.77	-10.83		-9.20	-18.09	-23.76						0.00	
28-May-2010	6:00:00	-0.31	-7.23	-1.10	-5.70	-8.02	-13.11		-10.64	-19.49	-27.21							
28-May-2010	12:00:00	-0.65	-10.18	-2.20	-7.16	-9.05	-16.15		-12.90	-22.47	-28.48							
28-May-2010	18:00:00	-0.70	-11.58	-3.44	-8.01	-8.90	-17.39		-13.75	-23.25	-28.54							
29-May-2010	0:00:00	-0.52	-10.47	-2.19	-7.41	-8.75	-17.60		-14.09	-23.45	-28.64				0.01		0.04	
29-May-2010	6:00:00	-0.56	-9.70	-1.72	-7.17	-9.66	-19.11		-15.27	-24.37	-28.66							
29-May-2010	12:00:00	-0.76	-11.80	-2.55	-8.54	-10.55	-21.03		-17.13	-26.17	-28.66							
29-May-2010	18:00:00	-0.83	-12.73	-3.46	-9.05	-10.42	-21.85		-17.78	-27.29	-28.56							
30-May-2010	0:00:00	-0.63	-11.65	-2.44	-8.45	-10.46	-22.09		-18.15	-27.72	-28.60						0.00	
30-May-2010	6:00:00	-0.69	-11.12	-2.21	-8.25	-11.19	-23.05		-19.11	-28.47	-28.73							
30-May-2010	12:00:00	-0.89	-12.85	-3.14	-9.72	-12.66	-25.19		-21.37	-30.41	-28.64							
30-May-2010	18:00:00	-1.13	-14.35	-6.51	-10.95	-12.41	-25.94		-22.26	-31.09	-28.52							
31-May-2010	0:00:00	-0.86	-13.12	-6.88	-10.03	-12.38	-26.06		-22.53	-31.66	-28.67						0.00	
31-May-2010	6:00:00	-0.77	-12.57	-5.08	-9.75	-13.71	-27.01		-23.64	-32.46	-28.70							
31-May-2010	12:00:00	-1.34	-14.97	-7.34	-11.95	-14.96	-28.80		-25.80	-33.60	-28.50							
31-May-2010	18:00:00	-1.51	-15.98	-12.68	-13.02	-14.74	-29.69		-27.07	-34.15	-28.56					0.01		
1-Jun-2010	0:00:00	-1.28	-14.90	-13.49	-12.38	-14.58	-29.48		-27.44	-34.39	-28.53						0.04	
1-Jun-2010	6:00:00	-1.07	-14.34	-13.69	-11.93	-15.35	-29.90		-28.03	-34.89	-28.58							
1-Jun-2010	12:00:00	-1.40	-15.60	-16.05	-13.28	-16.42	-31.02		-29.54	-35.68	-28.53							
1-Jun-2010	18:00:00	-1.59	-17.20	-19.47	-14.60	-16.29	-31.81		-30.72	-36.01	-28.50							
2-Jun-2010	0:00:00	-1.40	-16.35	-19.85	-13.89	-16.20	-31.93		-31.38	-36.34	-28.58						0.00	
2-Jun-2010	6:00:00	-1.28	-15.75	-19.94	-13.61	-16.90	-32.06		-31.88	-36.39	-28.59							
2-Jun-2010	12:00:00	-1.58	-17.29	-21.37	-15.18	-17.93	-33.15		-33.51	-36.23	-28.53							
2-Jun-2010	18:00:00	-1.78	-18.44	-23.75	-16.31	-17.72	-33.65		-34.67	-36.28	-28.48							

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
3-Jun-2010	0:00:00	-1.63	-17.46	-23.95	-15.87	-17.69	-33.61		-35.21	-36.39	-28.53							0.00
3-Jun-2010	6:00:00	-1.61	-17.01	-23.78	-15.75	-18.77	-34.20		-35.89	-36.43	-28.59							
3-Jun-2010	12:00:00	-2.23	-19.02	-25.51	-17.55	-19.98	-35.01		-36.20	-36.33	-28.48							
3-Jun-2010	18:00:00	-2.71	-20.22	-27.45	-19.09	-19.92	-35.90		-36.13	-36.31	-28.49							
4-Jun-2010	0:00:00	-2.57	-19.34	-28.28	-19.33	-19.96	-36.20		-36.23	-36.47	-28.50							0.00
4-Jun-2010	6:00:00	-2.78	-18.98	-28.61	-19.56	-21.03	-36.53		-36.30	-36.51	-28.59							
4-Jun-2010	12:00:00	-4.01	-21.14	-29.75	-20.72	-22.38	-36.73		-36.18	-36.41	-28.50							
4-Jun-2010	18:00:00	-5.36	-21.94	-31.54	-22.15	-22.10	-36.63		-36.13	-36.33	-28.49							
5-Jun-2010	0:00:00	-5.61	-21.04	-31.94	-22.51	-22.04	-36.66		-36.19	-36.48	-28.64							0.00
5-Jun-2010	6:00:00	-5.89	-20.71	-32.18	-22.73	-23.51	-36.86		-36.44	-36.63	-28.73							
5-Jun-2010	12:00:00	-8.33	-23.19	-33.44	-23.65	-25.65	-36.61		-36.23	-36.37	-28.68							
5-Jun-2010	18:00:00	-11.27	-24.25	-35.01	-24.87	-25.13	-36.61		-36.18	-36.41	-28.56							
6-Jun-2010	0:00:00	-11.47	-22.77	-35.27	-25.23	-24.80	-36.61		-36.26	-36.39	-28.56				0.37			0.38
6-Jun-2010	6:00:00	-11.78	-22.34	-35.33	-25.43	-26.03	-36.50		-36.17	-36.37	-28.67							
6-Jun-2010	12:00:00	-14.53	-24.74	-36.08	-26.12	-28.25	-36.54		-36.15	-36.40	-28.59							
6-Jun-2010	18:00:00	-17.77	-25.99	-35.87	-27.06	-27.52	-36.59		-36.13	-36.31	-28.64							
7-Jun-2010	0:00:00	-9.89	-23.25	-35.84	-26.84	-25.76	-36.48		-36.14	-36.22	-28.68							0.09
7-Jun-2010	6:00:00	-9.57	-22.38	-35.84	-25.76	-26.00	-36.44		-36.19	-36.35	-28.61							
7-Jun-2010	12:00:00	-11.96	-23.82	-35.96	-26.04	-28.01	-36.32		-36.20	-36.24	-28.58							
7-Jun-2010	18:00:00	-15.40	-24.74	-35.93	-27.02	-28.17	-36.42		-36.18	-36.36	-28.62							
8-Jun-2010	0:00:00	-15.95	-23.77	-35.92	-27.38	-28.07	-36.57		-36.32	-36.42	-28.78							0.00
8-Jun-2010	6:00:00	-16.55	-23.42	-36.10	-27.77	-28.52	-36.51		-36.19	-36.28	-28.67							
8-Jun-2010	12:00:00	-18.20	-25.11	-35.97	-28.11	-30.30	-36.41		-36.13	-36.22	-28.58							
8-Jun-2010	18:00:00	-20.08	-26.29	-35.99	-28.87	-31.12	-36.81		-36.61	-36.66	-29.07							
9-Jun-2010	0:00:00	-21.04	-25.52	-36.40	-29.73	-31.06	-37.27		-36.98	-37.00	-29.43							0.00
9-Jun-2010	6:00:00	-21.59	-25.30	-36.77	-30.35	-30.29	-36.51		-36.27	-36.43	-28.67							
9-Jun-2010	12:00:00	-21.35	-25.71	-36.08	-29.93	-31.25	-36.45		-36.13	-36.25	-28.54							
9-Jun-2010	18:00:00	-22.22	-26.66	-35.91	-30.08	-31.44	-36.43		-36.18	-36.28	-28.52							
10-Jun-2010	0:00:00	-22.61	-26.22	-35.87	-30.38	-31.25	-36.33		-36.21	-36.30	-28.54							0.00
10-Jun-2010	6:00:00	-22.90	-26.02	-35.95	-30.65	-32.06	-36.44		-36.27	-36.39	-28.65							
10-Jun-2010	12:00:00	-23.83	-27.86	-36.03	-31.20	-33.29	-36.49		-36.32	-36.39	-28.71							
10-Jun-2010	18:00:00	-24.88	-28.84	-36.03	-31.83	-33.17	-36.30		-36.18	-36.23	-28.50							
11-Jun-2010	0:00:00	-24.85	-27.02	-35.83	-31.85	-33.26	-36.39		-36.27	-36.30	-28.56							0.00
11-Jun-2010	6:00:00	-24.99	-26.11	-35.90	-32.12	-33.23	-36.45		-36.25	-36.35	-28.58							
11-Jun-2010	12:00:00	-25.82	-29.23	-35.98	-32.63	-33.28	-36.32		-36.17	-36.27	-28.49							
11-Jun-2010	18:00:00	-26.57	-29.35	-35.87	-33.13	-33.16	-36.27		-36.03	-36.12	-28.43							
12-Jun-2010	0:00:00	-26.67	-28.21	-35.77	-33.30	-33.32	-36.31		-36.15	-36.21	-28.55							0.00
12-Jun-2010	6:00:00	-26.81	-27.32	-35.80	-33.54	-33.30	-36.39		-36.32	-36.28	-28.60							
12-Jun-2010	12:00:00	-27.37	-29.56	-35.96	-33.93	-33.28	-36.42		-36.18	-36.25	-28.59							
12-Jun-2010	18:00:00	-28.15	-29.50	-35.98	-34.25	-33.33	-36.45		-36.33	-36.36	-28.66							
13-Jun-2010	0:00:00	-28.31	-29.54	-36.05	-34.31	-33.27	-36.29		-36.21	-36.31	-28.54				0.24			0.27
13-Jun-2010	6:00:00	-27.92	-28.77	-35.96	-34.21	-33.35	-36.48		-36.27	-36.37	-28.70							
13-Jun-2010	12:00:00	-28.18	-29.62	-35.97	-34.34	-33.32	-36.42		-36.25	-36.33	-28.65							
13-Jun-2010	18:00:00	-28.82	-29.61	-36.07	-34.38	-33.21	-36.41		-36.20	-36.19	-28.62							
14-Jun-2010	0:00:00	-28.81	-29.55	-35.93	-34.21	-33.40	-36.49		-36.33	-36.40	-28.68							0.00
14-Jun-2010	6:00:00	-28.72	-28.93	-35.99	-34.41	-33.36	-36.51		-36.27	-36.43	-28.62							
14-Jun-2010	12:00:00	-29.11	-29.56	-36.08	-34.40	-33.24	-36.41		-36.21	-36.28	-28.56							
14-Jun-2010	18:00:00	-29.07	-29.42	-35.84	-34.25	-33.28	-36.38		-36.23	-36.30	-28.58							
15-Jun-2010	0:00:00	-29.14	-29.52	-35.90	-34.32	-33.30	-36.47		-36.23	-36.43	-28.66							0.00
15-Jun-2010	6:00:00	-29.15	-29.53	-35.98	-34.38	-33.39	-36.50		-36.35	-36.48	-28.82							
15-Jun-2010	12:00:00	-29.21	-29.53	-35.98	-34.52	-33.44	-36.65		-36.36	-36.57	-28.74							

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
15-Jun-2010	18:00:00	-29.24	-29.62	-36.03	-34.41	-33.34	-36.53		-36.38	-36.43	-28.67							
16-Jun-2010	0:00:00	-29.13	-29.59	-36.07	-34.41	-33.30	-36.39		-36.29	-36.35	-28.55							0.35
16-Jun-2010	6:00:00	-29.00	-29.42	-35.90	-34.33	-33.40	-36.48		-36.33	-36.46	-28.76							
16-Jun-2010	12:00:00	-29.09	-29.58	-35.99	-34.44	16.17	2.87		2.49	-4.27	-12.38							
16-Jun-2010	18:00:00	13.15	16.86	-35.81	14.40	13.27	1.37		5.61	1.80	-9.69							
17-Jun-2010	0:00:00	1.35	7.78	-9.31	8.88	7.10	0.88		2.94	-0.13	-14.16							0.01
17-Jun-2010	6:00:00	-0.11	0.28	-4.83	3.64	3.63	0.35		1.55	-1.27	-15.65							
17-Jun-2010	12:00:00	-0.43	-1.59	-4.28	-0.17	2.62	-0.57		0.76	-2.16	-15.95							
17-Jun-2010	18:00:00	-0.56	-2.52	-4.79	-2.06	1.88	-1.37		0.46	-2.58	-14.79							
18-Jun-2010	0:00:00	-0.44	-1.99	-4.10	-2.66	1.03	-2.22		0.10	-3.03	-14.76							0.00
18-Jun-2010	6:00:00	-0.51	-2.41	-3.97	-3.29	-0.20	-3.69		-0.33	-4.17	-17.26							
18-Jun-2010	12:00:00	-0.91	-5.29	-5.83	-4.68	-1.66	-5.18		-0.96	-6.24	-20.80							
18-Jun-2010	18:00:00	-1.12	-7.27	-6.29	-5.63	-2.42	-5.79		-1.10	-6.87	-21.50							
19-Jun-2010	0:00:00	-0.95	-6.57	-5.13	-5.71	-3.11	-6.51		-1.37	-7.42	-22.54							0.00
19-Jun-2010	6:00:00	-0.97	-6.63	-4.43	-6.00	-4.01	-7.71		-2.03	-10.30	-27.88							
19-Jun-2010	12:00:00	-1.30	-8.94	-6.03	-7.01	-5.56	-9.62		-2.79	-15.10	-28.58							
19-Jun-2010	18:00:00	-1.46	-10.17	-7.40	-8.28	-5.60	-10.08		-3.12	-15.00	-28.49							
20-Jun-2010	0:00:00	-1.17	-9.24	-5.97	-7.95	-5.69	-10.75		-3.59	-15.06	-28.54							0.00
20-Jun-2010	6:00:00	-1.23	-9.18	-5.81	-8.21	-6.89	-12.81		-4.65	-18.04	-28.70							
20-Jun-2010	12:00:00	-1.88	-11.44	-8.03	-9.84	-8.34	-16.89		-6.48	-22.35	-28.66							
20-Jun-2010	18:00:00	-2.06	-12.42	-12.21	-11.24	-8.12	-18.87		-7.41	-23.70	-28.60							
21-Jun-2010	0:00:00	-1.58	-11.77	-12.77	-10.80	-8.22	-20.03		-8.07	-24.41	-28.55							0.00
21-Jun-2010	6:00:00	-1.57	-11.61	-13.48	-11.00	-9.44	-21.89		-9.96	-26.32	-28.70							
21-Jun-2010	12:00:00	-2.30	-14.04	-17.38	-12.80	-10.85	-24.48		-13.29	-30.46	-28.55							
21-Jun-2010	18:00:00	-2.69	-15.10	-20.99	-13.86	-10.56	-25.76		-14.70	-32.91	-28.54							
22-Jun-2010	0:00:00	-2.67	-14.31	-21.58	-13.44	-10.60	-26.48		-15.41	-34.00	-28.76							0.00
22-Jun-2010	6:00:00	-3.09	-14.36	-22.13	-13.46	-11.94	-27.53		-17.11	-35.45	-28.72							
22-Jun-2010	12:00:00	-4.35	-16.41	-24.16	-15.27	-13.41	-29.41		-20.61	-36.19	-28.54							
22-Jun-2010	18:00:00	-6.34	-17.49	-26.78	-16.49	-13.22	-30.44		-22.51	-36.12	-28.48							
23-Jun-2010	0:00:00	-6.52	-16.59	-27.29	-16.07	-13.11	-30.78		-23.43	-36.22	-28.49							0.00
23-Jun-2010	6:00:00	-7.13	-16.23	-27.62	-16.08	-14.33	-31.63		-24.78	-36.16	-28.42							
23-Jun-2010	12:00:00	-9.26	-18.51	-29.11	-17.82	-15.69	-32.69		-27.57	-36.09	-28.46							
23-Jun-2010	18:00:00	-12.28	-19.45	-31.07	-19.27	-15.83	-33.62		-29.76	-36.13	-28.43							
24-Jun-2010	0:00:00	-12.69	-18.34	-31.58	-19.61	-15.78	-34.21		-31.09	-36.09	-28.43							0.00
24-Jun-2010	6:00:00	-13.23	-18.15	-31.99	-19.94	-16.90	-34.81		-32.93	-36.19	-28.54							
24-Jun-2010	12:00:00	-15.65	-20.62	-33.15	-21.15	-20.92	-38.03		-38.39	-38.33	-30.68	1.50	1.20	4.85				
24-Jun-2010	18:00:00	-20.74	-24.09	-37.16	-24.87	-26.04	-43.83		-43.49	-43.35	-35.74							
25-Jun-2010	0:00:00	-26.13	-27.84	-42.85	-30.31	-26.76	-44.66		-43.99	-44.05	-36.33							0.00
25-Jun-2010	6:00:00	-27.05	-28.10	-43.77	-31.33	-21.33	-38.33		-37.70	-37.68	-29.99							
25-Jun-2010	12:00:00	-21.86	-24.24	-37.43	-25.81	-22.12	-37.56		-36.85	-37.00	-29.26							
25-Jun-2010	18:00:00	-22.51	-24.63	-36.70	-26.28	-26.31	-41.76		-41.16	-41.22	-33.50							
26-Jun-2010	0:00:00	-27.02	-27.43	-40.97	-30.99	-26.72	-42.27		-41.39	-41.63	-33.98							0.00
26-Jun-2010	6:00:00	-27.69	-27.30	-41.30	-31.62	-22.54	-37.14		-36.33	-36.47	-28.79							
26-Jun-2010	12:00:00	-23.29	-24.72	-36.19	-27.17	-23.93	-37.05		-36.18	-36.35	-28.73							
26-Jun-2010	18:00:00	-24.13	-25.39	-36.07	-27.86	-26.69	-39.79		-38.95	-39.06	-31.42							
27-Jun-2010	0:00:00	-27.10	-26.71	-38.86	-30.92	-26.72	-39.75		-38.91	-39.12	-31.47							0.00
27-Jun-2010	6:00:00	-27.33	-26.12	-38.92	-31.17	-24.81	-36.77		-36.00	-36.10	-28.48							
27-Jun-2010	12:00:00	-24.95	-25.96	-35.95	-28.81	-26.94	-36.59		-35.87	-35.93	-28.31							
27-Jun-2010	18:00:00	-26.07	-27.44	-35.85	-29.53	-28.14	-37.83		-37.13	-37.26	-29.60							
28-Jun-2010	0:00:00	-27.68	-27.66	-37.06	-31.20	-28.58	-38.66		-37.86	-37.99	-30.34							0.00
28-Jun-2010	6:00:00	-28.61	-27.46	-37.84	-32.23	-27.47	-36.60		-35.93	-36.04	-28.53							

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
28-Jun-2010	12:00:00	-27.31	-28.46	-35.79	-30.97	-29.98	-36.72		-35.84	-36.04	-28.44							
28-Jun-2010	18:00:00	-28.40	-29.60	-35.84	-31.83	-30.71	-36.73		-35.93	-36.03	-28.53							
29-Jun-2010	0:00:00	-28.91	-28.88	-35.91	-32.31	-31.13	-37.26		-36.50	-36.64	-29.10				1.36		0.08	
29-Jun-2010	6:00:00	-29.62	-28.69	-36.56	-33.15	-31.29	-36.68		-35.97	-35.97	-28.44							
29-Jun-2010	12:00:00	-29.00	-29.56	-35.93	-33.15	-10.83	-4.87		-36.41	-36.33	-28.83							
29-Jun-2010	18:00:00	-26.05	-23.61	-36.04	-32.51	-12.15	-0.39		-36.78	-36.81	-29.30							
30-Jun-2010	0:00:00	-1.66	-7.11	-11.53	-7.99	-13.47	-1.58		-36.90	-36.90	-29.32				0.26		0.05	
30-Jun-2010	6:00:00	-2.38	-8.36	-8.45	-9.59	-9.33	0.75		-36.39	-36.37	-28.80							
30-Jun-2010	12:00:00	-1.73	-6.14	-3.83	-6.96	-11.08	-0.20		-36.51	-36.36	-28.97							
30-Jun-2010	18:00:00	-2.08	-7.74	-4.75	-8.25	-12.65	-1.64		-37.28	-37.19	-29.74					2.23		
1-Jul-2010	0:00:00	-3.20	-8.70	-5.72	-9.44	-13.65	-2.79		-37.82	-37.80	-30.40						0	
1-Jul-2010	6:00:00	-3.91	-9.62	-7.07	-10.43	-13.01	-1.97		-36.17	-36.07	-28.73							
1-Jul-2010	12:00:00	-2.80	-10.46	-8.19	-10.10	-14.21	-3.45		-36.14	-35.99	-28.60							
1-Jul-2010	18:00:00	-3.35	-11.60	-10.30	-11.00	-17.73	-7.52		-39.35	-39.13	-31.76						0	
2-Jul-2010	0:00:00	-6.79	-14.25	-13.58	-13.94	-19.38	-9.85		-40.80	-40.66	-33.24							
2-Jul-2010	6:00:00	-8.61	-15.75	-15.85	-15.65	-15.56	-6.63		-36.02	-35.93	-28.52							
2-Jul-2010	12:00:00	-5.30	-13.33	-14.85	-12.62	-16.58	-8.35		-35.90	-35.80	-28.40							
2-Jul-2010	18:00:00	-7.10	-14.34	-18.11	-13.69	-20.72	-12.87		-39.59	-39.55	-32.08						0	
3-Jul-2010	0:00:00	-11.47	-17.76	-22.49	-17.06	-21.83	-14.87		-40.50	-40.36	-32.94							
3-Jul-2010	6:00:00	-13.27	-18.82	-24.28	-18.06	-18.22	-12.42		-35.89	-35.85	-28.46							
3-Jul-2010	12:00:00	-10.91	-16.17	-22.07	-15.14	-19.30	-16.34		-35.90	-35.82	-28.30							
3-Jul-2010	18:00:00	-13.73	-17.16	-24.77	-16.33	-21.04	-19.97		-37.35	-37.29	-29.84						0	
4-Jul-2010	0:00:00	-15.99	-18.10	-27.14	-17.60	-22.47	-22.47		-38.65	-38.64	-31.22							
4-Jul-2010	6:00:00	-17.93	-19.28	-29.07	-19.07	-20.66	-21.36		-35.96	-35.86	-28.36							
4-Jul-2010	12:00:00	-16.89	-18.50	-27.71	-17.69	-22.23	-23.94		-35.87	-35.87	-28.36							
4-Jul-2010	18:00:00	-18.77	-19.62	-29.91	-19.39	-22.41	-25.61		-36.15	-36.04	-28.60						0	
5-Jul-2010	0:00:00	-19.41	-19.11	-30.97	-20.05	-23.28	-27.01		-36.93	-36.81	-29.33							
5-Jul-2010	6:00:00	-20.47	-19.60	-32.06	-21.17	-23.72	-27.39		-35.95	-35.97	-28.47							
5-Jul-2010	12:00:00	-20.68	-21.02	-32.54	-21.45	-25.92	-29.21		-35.81	-35.75	-28.34							
5-Jul-2010	18:00:00	-22.03	-22.04	-34.47	-22.92	-26.20	-31.02		-36.33	-36.21	-28.77						0	
6-Jul-2010	0:00:00	-22.81	-21.32	-35.60	-23.90	-26.34	-31.79		-36.63	-36.61	-29.13							
6-Jul-2010	6:00:00	-23.31	-21.31	-36.05	-24.42	-26.60	-31.80		-35.90	-35.92	-28.38							
6-Jul-2010	12:00:00	-23.54	-23.25	-36.03	-24.73	-29.07	-33.21		-35.97	-35.89	-28.35							
6-Jul-2010	18:00:00	-24.93	-24.45	-35.96	-26.03	-29.28	-34.34		-36.07	-36.00	-28.56						0	
7-Jul-2010	0:00:00	-25.25	-23.30	-36.15	-26.58	-28.97	-35.00		-36.27	-36.22	-28.77							
7-Jul-2010	6:00:00	-25.63	-22.82	-36.37	-26.97	-29.64	-35.12		-35.89	-35.91	-28.35							
7-Jul-2010	12:00:00	-26.19	-25.53	-35.79	-27.55	-31.92	-36.06		-35.78	-35.76	-28.20							
7-Jul-2010	18:00:00	-27.41	-26.70	-35.74	-28.51	-32.31	-36.72		-35.87	-35.75	-28.37						0	
8-Jul-2010	0:00:00	-27.61	-25.15	-35.81	-28.97	-31.97	-36.90		-35.91	-35.88	-28.37							
8-Jul-2010	6:00:00	-27.83	-24.45	-35.95	-29.17	-32.12	-36.83		-35.94	-35.81	-28.28							
8-Jul-2010	12:00:00	-28.33	-26.72	-35.96	-29.65	-33.08	-36.65		-35.76	-35.80	-28.22							
8-Jul-2010	18:00:00	-29.07	-28.12	-35.81	-30.41	-33.27	-36.93		-36.05	-36.06	-28.50						0.08	
9-Jul-2010	0:00:00	-29.23	-26.72	-36.08	-30.95	-33.17	-36.95		-36.02	-35.93	-28.36				0.03			
9-Jul-2010	6:00:00	-29.24	-25.87	-35.96	-31.11	-33.14	-36.81		-35.93	-35.81	-28.31							
9-Jul-2010	12:00:00	-29.17	-27.97	-35.84	-31.46	-33.03	-36.68		-35.83	-35.75	-28.13							
9-Jul-2010	18:00:00	-29.06	-29.50	-35.77	-32.06	-33.08	-36.69		-35.88	-35.74	-28.18						0.23	
10-Jul-2010	0:00:00	-29.08	-27.82	-35.80	-32.23	-32.98	-36.65		-35.76	-35.69	-28.13				0.27			
10-Jul-2010	6:00:00	-29.03	-27.08	-35.80	-32.30	-33.06	-36.84		-35.87	-35.81	-28.34							
10-Jul-2010	12:00:00	-29.11	-28.76	-35.87	-32.83	-33.00	-36.79		-35.94	-35.88	-28.25							
10-Jul-2010	18:00:00	-29.18	-28.29	-35.99	-33.11	-33.20	-36.92		-36.11	-36.05	-28.49						0	
11-Jul-2010	0:00:00	-29.29	-27.51	-36.11	-33.33	-33.22	-36.99		-36.11	-36.10	-28.49							

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
11-Jul-2010	6:00:00	-29.41	-27.04	-36.21	-33.50	-32.99	-36.81		-35.93	-35.82	-28.28							
11-Jul-2010	12:00:00	-29.17	-29.05	-35.92	-33.65	-33.02	-36.73		-35.96	-35.87	-28.31							
11-Jul-2010	18:00:00	-29.20	-29.68	-36.02	-34.23	-32.93	-36.72		-35.95	-35.67	-28.25						0.01	
12-Jul-2010	0:00:00	-29.11	-29.04	-35.91	-34.23	-33.26	-36.98		-36.14	-35.99	-28.44							
12-Jul-2010	6:00:00	-29.37	-28.30	-36.19	-34.50	-32.96	-36.73		-35.93	-35.91	-28.31							
12-Jul-2010	12:00:00	-29.12	-29.52	-35.92	-34.37	-32.85	-36.65		-35.79	-35.70	-28.13							
12-Jul-2010	18:00:00	-29.09	-29.48	-35.86	-34.21	-32.88	-36.69		-35.72	-35.76	-28.19						0.34	
13-Jul-2010	0:00:00	-29.11	-29.47	-35.87	-34.32	-32.84	-36.78		-35.97	-35.88	-28.36				0.29			
13-Jul-2010	6:00:00	-29.21	-29.17	-35.95	-34.37	-33.02	-36.80		-36.03	-35.92	-28.38							
13-Jul-2010	12:00:00	-29.15	-29.47	-35.98	-34.35	-32.87	-36.81		-35.84	-35.79	-28.23							
13-Jul-2010	18:00:00	-29.13	-29.43	-35.89	-34.23	-32.76	-36.79		-35.83	-35.83	-28.25						0.44	
14-Jul-2010	0:00:00	-29.18	-29.53	-35.93	-34.27	-32.80	-36.75		-35.91	-35.77	-28.30				0.02			
14-Jul-2010	6:00:00	-29.05	-29.55	-35.89	-34.28	-32.92	-36.79		-35.90	-35.88	-28.34							
14-Jul-2010	12:00:00	-28.99	-29.50	-35.90	-34.28	-32.84	-36.84		-35.83	-35.88	-28.30							
14-Jul-2010	18:00:00	-29.03	-29.55	-35.86	-34.28	-32.72	-36.71		-35.78	-35.79	-28.16						0	
15-Jul-2010	0:00:00	-28.93	-29.56	-35.80	-34.26	-32.99	-36.90		-35.97	-36.00	-28.48							
15-Jul-2010	6:00:00	-29.12	-29.72	-36.05	-34.41	-32.80	-36.80		-35.83	-35.86	-28.34							
15-Jul-2010	12:00:00	-29.01	-29.40	-35.87	-34.28	-32.73	-36.69		-35.73	-35.85	-28.20							
15-Jul-2010	18:00:00	-28.97	-29.40	-35.90	-34.20	-32.64	-36.61		-35.73	-35.74	-28.06						0	
16-Jul-2010	0:00:00	-28.85	-29.30	-35.79	-34.14	-32.76	-36.72		-35.88	-35.94	-28.22							
16-Jul-2010	6:00:00	-29.01	-29.43	-35.90	-34.32	-32.80	-36.69		-35.82	-35.82	-28.07							
16-Jul-2010	12:00:00	-28.89	-29.31	-35.74	-34.21	-32.78	-36.65		-35.72	-35.79	-28.14							
16-Jul-2010	18:00:00	-28.90	-29.31	-35.79	-34.21	-32.80	-36.77		-35.94	-35.91	-28.24						0.88	
17-Jul-2010	0:00:00	-29.02	-29.36	-35.83	-34.32	-32.87	-36.72		-35.84	-35.80	-28.28							
17-Jul-2010	6:00:00	-28.95	-29.10	-35.80	-34.23	-32.81	-36.69		-35.90	-35.83	-28.37							
17-Jul-2010	12:00:00	-28.89	-29.06	-35.92	-34.23	-32.87	-36.74		-35.91	-35.89	-28.22							
17-Jul-2010	18:00:00	-29.05	-29.08	-35.90	-34.37	-32.85	-36.78		-35.94	-35.93	-28.29						0	
18-Jul-2010	0:00:00	-28.94	-29.10	-35.93	-34.41	-33.00	-36.97		-36.06	-36.13	-28.44							
18-Jul-2010	6:00:00	-29.15	-29.22	-36.10	-34.52	-32.75	-36.72		-35.81	-35.93	-28.14							
18-Jul-2010	12:00:00	-28.93	-29.01	-35.89	-34.23	-32.79	-36.65		-35.77	-35.82	-28.20							
18-Jul-2010	18:00:00	-28.87	-29.01	-35.78	-34.21	-32.82	-36.74		-35.91	-35.88	-28.13						0	
19-Jul-2010	0:00:00	-28.87	-29.01	-35.92	-34.28	-32.87	-36.74		-35.91	-35.92	-28.38							
19-Jul-2010	6:00:00	-28.90	-29.08	-35.92	-34.33	-32.96	-36.73		-35.97	-35.93	-28.29							
19-Jul-2010	12:00:00	-28.94	-29.12	-35.89	-34.39	-32.79	-36.61		-35.73	-35.79	-28.08							
19-Jul-2010	18:00:00	-28.73	-28.96	-35.84	-34.23	-32.88	-36.71		-35.87	-35.80	-28.30						0.01	
20-Jul-2010	0:00:00	-28.81	-29.06	-35.80	-34.32	-32.85	-36.73		-35.90	-35.71	-28.29							
20-Jul-2010	6:00:00	-28.69	-29.08	-35.80	-34.23	-32.80	-36.55		-35.81	-35.69	-28.20							
20-Jul-2010	12:00:00	-28.66	-28.98	-35.86	-34.08	-32.72	-36.50		-35.76	-35.70	-28.11							
20-Jul-2010	18:00:00	-28.55	-28.89	-35.79	-33.95	-32.85	-36.67		-35.88	-35.69	-28.26						0.15	
21-Jul-2010	0:00:00	-28.65	-29.00	-35.77	-34.08	-32.85	-36.65		-35.85	-35.77	-28.17							
21-Jul-2010	6:00:00	-28.67	-29.00	-35.81	-33.92	-32.99	-36.83		-36.00	-35.98	-28.40							
21-Jul-2010	12:00:00	-28.75	-29.08	-35.97	-34.14	-32.80	-36.55		-35.85	-35.76	-28.12							
21-Jul-2010	18:00:00	-28.57	-28.99	-35.80	-33.92	-32.81	-36.68		-35.77	-35.85	-28.25						0	
22-Jul-2010	0:00:00	-28.71	-29.04	-35.84	-33.95	-32.93	-36.80		-35.93	-35.91	-28.41							
22-Jul-2010	6:00:00	-28.83	-29.14	-35.95	-34.03	-32.85	-36.51		-35.81	-35.92	-28.20							
22-Jul-2010	12:00:00	-28.64	-28.92	-35.86	-33.83	-32.79	-36.47		-35.76	-35.74	-28.24							
22-Jul-2010	18:00:00	-28.58	-28.94	-35.77	-33.96	-32.70	-36.41		-35.66	-35.68	-28.14						0	
23-Jul-2010	0:00:00	-28.48	-28.87	-35.67	-33.75	-32.78	-36.56		-35.78	-35.82	-28.30							
23-Jul-2010	6:00:00	-28.70	-29.06	-35.77	-33.92	-32.66	-36.39		-35.65	-35.71	-28.00							
23-Jul-2010	12:00:00	-28.55	-28.86	-35.61	-33.83	-32.74	-36.51		-35.60	-35.71	-28.22							
23-Jul-2010	18:00:00	-28.65	-29.01	-35.71	-33.90	-32.79	-36.44		-35.73	-35.76	-28.13						0	

Date	Time	Water Level (inches)							Ambient	FLO RAW1	FLO RAW2	FLO RAW3	CG1	CG2	On-site Manual Raingauge	On-site Auto RG Daily	On-site Auto Raingauge	Windsor Daily Rainfall
		FLO AW1	FLO AW2	FLO AW3	FLO AW4	FLO AW5	FLO AW6											
24-Jul-2010	0:00:00	-28.63	-28.95	-35.71	-33.86	-32.73	-36.47		-35.72	-35.79	-28.12							
24-Jul-2010	6:00:00	-28.61	-28.88	-35.78	-33.90	-32.87	-36.47		-35.77	-35.94	-28.17							
24-Jul-2010	12:00:00	-28.71	-29.14	-35.89	-33.97	-32.82	-36.51		-35.82	-35.87	-28.26							
24-Jul-2010	18:00:00	-28.67	-29.06	-35.86	-33.99	-32.86	-36.56		-35.87	-35.85	-28.31							0
25-Jul-2010	0:00:00	-28.73	-29.10	-35.87	-34.02	-32.88	-36.72		-35.89	-35.82	-28.34							
25-Jul-2010	6:00:00	-28.77	-29.16	-35.93	-34.09	-32.85	-36.61		-35.75	-35.73	-28.19							
25-Jul-2010	12:00:00	-28.61	-28.92	-35.77	-33.91	-32.79	-36.51		-35.73	-35.79	-28.19							
25-Jul-2010	18:00:00	-28.60	-29.05	-35.73	-33.99	-32.74	-36.61		-35.78	-35.81	-28.31							0
26-Jul-2010	0:00:00	-28.72	-29.01	-35.79	-33.97	-33.20	-36.90		-36.12	-36.19	-28.56							
26-Jul-2010	6:00:00	-28.99	-29.35	-36.22	-34.37	-32.87	-36.68		-35.78	-35.98	-28.35							
26-Jul-2010	12:00:00	-28.77	-29.06	-35.97	-34.03	-32.84	-36.63		-35.77	-35.88	-28.13							
26-Jul-2010	18:00:00	-28.60	-29.12	-35.86	-33.97	-33.29	-36.98		-36.30	-36.25	-28.56							0
27-Jul-2010	0:00:00	-29.03	-29.47	-36.28	-34.40	-33.14	-36.80		-36.19	-36.22	-28.55							
27-Jul-2010	6:00:00	-29.03	-29.47	-36.28	-34.38	-32.81	-36.53		-35.79	-35.89	-28.24							
27-Jul-2010	12:00:00	-28.64	-28.99	-36.01	-34.08	-32.80	-36.45		-35.77	-35.82	-28.17							
27-Jul-2010	18:00:00	-28.60	-29.02	-35.89	-33.95	-33.05	-36.67		-36.11	-36.11	-28.37							0
28-Jul-2010	0:00:00	-28.87	-29.22	-36.13	-34.21	-33.40	-37.07		-36.38	-36.46	-28.77							
28-Jul-2010	6:00:00	-29.19	-29.58	-36.39	-34.61	-32.80	-36.41		-35.79	-35.82	-28.11							
28-Jul-2010	12:00:00	-28.59	-28.89	-35.80	-33.98	-32.74	-36.27		-35.75	-35.65	-28.11							
28-Jul-2010	18:00:00	-28.53	-28.87	-35.69	-33.90	-32.66	-36.26		-35.69	-35.71	-27.92							0.05
29-Jul-2010	0:00:00	-28.49	-28.90	-35.73	-33.85	-32.69	-36.31		-35.73	-35.76	-28.13							
29-Jul-2010	6:00:00	-28.55	-28.98	-35.74	-33.87	-32.86	-36.41		-35.88	-35.88	-28.20							
29-Jul-2010	12:00:00	-28.73	-29.08	-35.91	-34.03	-32.84	-36.42		-35.84	-35.83	-28.13							
29-Jul-2010	18:00:00	-28.53	-29.08	-35.86	-33.89	-32.86	-36.45		-35.76	-35.87	-28.12							0
30-Jul-2010	0:00:00	-28.57	-28.99	-35.86	-33.96	-32.85	-36.37		-35.79	-35.88	-28.16							
30-Jul-2010	6:00:00	-28.55	-29.02	-35.78	-34.01	-32.79	-36.29		-35.76	-35.81	-28.16							
30-Jul-2010	12:00:00	-28.60	-28.93	-35.75	-33.99	-32.66	-36.27		-35.71	-35.73	-28.02							
30-Jul-2010	18:00:00	-28.47	-28.84	-35.75	-34.02	-33.24	-37.01		-36.31	-36.41	-28.67							0
31-Jul-2010	0:00:00	-29.15	-29.55	-36.31	-34.57	-33.83	-37.47		-36.86	-36.87	-29.22							
31-Jul-2010	6:00:00	-29.62	-30.10	-36.86	-35.04	-32.87	-36.43		-35.78	-35.82	-28.18							
31-Jul-2010	12:00:00	-28.61	-29.06	-35.85	-34.03	-32.63	-36.13		-35.72	-35.69	-27.92							
31-Jul-2010	18:00:00	-28.46	-28.87	-35.77	-33.87	-32.78	-36.38		-35.84	-35.92	-28.25					0.61		0
1-Aug-2010	0:00:00	-28.67	-29.12	-35.81	-33.97	-32.76	-36.45		-35.79	-35.85	-28.24							
1-Aug-2010	6:00:00	-28.63	-29.10	-35.92	-33.92	-32.78	-36.36		-35.78	-35.95	-28.22							
1-Aug-2010	12:00:00	-28.61	-29.05	-35.75	-34.04	-32.68	-36.36		-35.73	-35.76	-28.18							
1-Aug-2010	18:00:00	-28.59	-29.08	-35.84	-33.89	-32.80	-36.42		-35.79	-35.82	-28.19							0.02
2-Aug-2010	0:00:00	-28.59	-29.02	-35.77	-33.96	-32.69	-36.37		-35.71	-35.92	-28.18							
2-Aug-2010	6:00:00	-28.63	-28.98	-35.77	-33.89	-32.79	-36.47		-35.89	-36.01	-28.20							
2-Aug-2010	12:00:00	-28.71	-29.11	-35.78	-33.99	-32.75	-36.26		-35.77	-35.88	-28.11							
2-Aug-2010	18:00:00	-28.58	-29.11	-35.78	-33.87	-32.70	-36.36		-35.87	-35.86	-28.20							0
3-Aug-2010	0:00:00	-28.63	-29.11	-35.79	-33.95	-32.98	-36.55		-35.94	-36.05	-28.36							
3-Aug-2010	6:00:00	-28.88	-29.17	-35.99	-34.14	-32.79	-36.32		-35.75	-35.87	-28.22							
3-Aug-2010	12:00:00	-28.63	-29.02	-35.77	-33.86	-32.76	-36.30		-35.64	-35.82	-28.07							
3-Aug-2010	18:00:00	-28.52	-28.83	-35.72	-33.86	-32.76	-36.30		-35.81	-35.83	-28.19							0
4-Aug-2010	0:00:00	-28.51	-28.99	-35.78	-33.93	-32.87	-36.41		-35.83	-35.99	-28.26							
4-Aug-2010	6:00:00	-28.66	-29.12	-35.90	-33.99	-32.80	-36.38		-35.81	-35.89	-28.32							
4-Aug-2010	12:00:00	-28.64	-29.04	-35.84	-34.03		-36.35											
4-Aug-2010	18:00:00	-28.60	-29.02	-35.81	-33.96		-36.33											0.72
5-Aug-2010	0:00:00	-28.57	-29.12	-35.77	-33.85		-36.18					0.25	0.20	3.08				
5-Aug-2010	6:00:00	-28.52	-29.06	-35.74	-33.84													

APPENDIX D

2010 Site Photos



Stream Observation Area #1 – STA 9+80 – 11+50. Minor erosion and sparse vegetation behind and below matting due to clayey soils.



Stream Observation Area #2 – STA 73+70 – 74+40. Bed erosion likely due to improper slope at construction.



Stream Observation Area #3 – STA 74+50. Minor erosion behind log vane on right bank.



Stream Observation Area #4 – STA 75+00. Flow piping around header rock due to improper installation resulting in approximate one foot of bed loss.



Stream Observation Area #5 – STA 78+80. Boulder toe is functional but bank above toe boulders is unstable and un-vegetated.



Reach 1 Typical Condition at Cross Section 3.



Reach 2 log vane, functional and stable.



Reach 3 root wad, functional and stable.



Reach 4 bedded log structure and woody debris, functional and stable.



Vegetation Plot #1



Vegetation Plot #2.



Vegetation Plot #3



Vegetation Plot #4



Vegetation Plot #5



Vegetation Plot #6



Vegetation Plot #7



Vegetation Plot #8



Vegetation Plot #9



Vegetation Plot #10



Vegetation Plot #11



Vegetation Plot #12



Vegetation Plot #13



Vegetation Plot #14



Vegetation Plot #15



Vegetation Plot #16



Vegetation Plot #17



Vegetation Plot #18

APPENDIX E

Morphologic Parameters

Parameter	Cross Section 1 Pool						Cross Section 2 Riffle						Cross Section 3 Pool						Cross Section 4 Riffle					
Dimension	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	16.8	16.9	17.2	18.9			16.4	19.0	20.4	18.6			19.3	18.8	18.8	20.0			22.4	19.9	20.3	16.9		
Floodprone Width (ft)	73.0	70.8	70.9	71.0			79.3	77.4	76.9	77.6			77.5	76.8	76.4	77.0			72.7	65.1	67.5	71.3		
BF Cross Sectional Area (ft ²)	34.1	33.9	33.5	34.6			18.7	21.3	22.6	20.9			49.0	41.2	42.0	40.7			26.2	22.4	21.9	19.2		
BF Mean Depth (ft)	2.0	2.0	1.9	1.8			1.1	1.1	1.1	1.1			2.5	2.2	2.2	2.0			1.2	1.1	1.1	1.1		
BF Max Depth (ft)	3.8	3.7	3.7	3.7			2.4	2.5	2.5	2.3			4.9	4.8	4.6	4.5			2.9	2.6	2.5	2.2		
Width/Depth Ratio	8.3	8.4	8.9	10.3			14.5	17.0	18.4	16.5			7.6	8.6	8.5	9.8			19.2	17.6	18.8	14.8		
Entrenchment Ratio	4.3	3.0	4.1	3.8			4.8	4.1	3.8	4.2			4.0	4.1	4.1	3.9			3.2	3.3	3.3	4.2		
Wetted Perimeter(ft)	18.9	18.9	19.2	20.9			17.2	19.7	21.1	19.2			22.2	21.6	21.2	22.4			23.3	20.6	21.1	17.5		
Hydraulic radius (ft)	1.8	1.8	1.7	1.7			1.1	1.1	1.1	1.1			2.2	1.9	2.0	1.8			1.1	1.1	1.0	1.1		
Parameter	Cross Section 5 Riffle						Cross Section 6 Pool						Cross Section 7 Riffle						Cross Section 8 Pool					
Dimension	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	16.7	16.5	16.9	18.3			17.4	18.1	17.7	23.4			18.5	20.3	17.7	18.7			19.2	20.0	20.9	21.8		
Floodprone Width (ft)	69.4	66.2	65.9	66.2			69.0	66.9	61.3	67.3			62.2	61.1	57.6	59.7			60.2	60.0	59.4	60.1		
BF Cross Sectional Area (ft ²)	16.4	15.8	15.4	13.7			28.8	29.7	29.7	30.0			16.7	19.3	17.3	17.5			26.0	26.4	27.6	27.8		
BF Mean Depth (ft)	1.0	1.0	0.9	0.7			1.7	1.6	1.7	1.3			0.9	0.9	1.0	0.9			1.4	1.3	1.3	1.3		
BF Max Depth (ft)	2.0	2.0	1.9	1.8			3.4	3.4	3.4	2.8			1.4	1.7	1.6	1.6			2.5	2.5	2.4	2.3		
Width/Depth Ratio	17.0	17.1	18.4	24.4			10.5	11.1	10.6	18.3			20.4	21.4	18.1	19.9			14.1	15.2	15.9	17.1		
Entrenchment Ratio	4.2	4.0	3.9	3.6			4.0	3.7	3.5	2.9			3.4	3.0	3.3	3.2			3.1	3.0	2.8	2.8		
Wetted Perimeter(ft)	17.2	17.0	17.3	18.8			19.0	19.7	19.3	24.6			18.9	21.2	18.7	19.1			20.2	20.9	22.0	22.7		
Hydraulic radius (ft)	1.0	0.9	0.9	0.7			1.5	1.5	1.5	1.2			0.9	0.9	0.9	0.9			1.3	1.3	1.3	1.2		
Parameter	Cross Section 9 Riffle						Cross Section 10 Pool						Cross Section 11 Riffle						Cross Section 12 Pool					
Dimension	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	19.0	19.1	18.6	18.8			22.5	21.7	22.1	23.4			19.4	19.8	19.3	20.7			13.0	15.8	16.2	20.8		
Floodprone Width (ft)	66.1	66.0	66.0	65.9			80.5	80.2	80.6	80.7			77.9	74.8	68.8	74.9			78.7	76.7	76.1	75.9		
BF Cross Sectional Area (ft ²)	32.7	29.5	29.0	28.4			40.1	40.1	41.1	36.8			21.5	24.1	23.6	23.8			25.7	27.4	28.8	32.5		
BF Mean Depth (ft)	1.7	1.5	1.6	1.5			1.8	1.8	1.9	1.6			1.1	1.2	1.2	1.1			2.0	1.7	1.8	1.6		
BF Max Depth (ft)	2.9	2.7	2.6	2.6			3.8	3.7	3.7	3.4			2.7	2.8	2.7	2.7			3.9	3.9	3.9	4.2		
Width/Depth Ratio	11.1	12.4	12.0	12.4			12.7	11.8	11.9	14.8			17.5	16.3	15.8	18.1			6.6	9.2	9.2	13.3		
Entrenchment Ratio	3.5	3.4	3.5	3.5			3.6	3.7	3.7	3.5			4.0	3.8	3.6	3.6			6.1	4.8	4.7	3.6		
Wetted Perimeter(ft)	20.1	20.1	19.6	19.9			24.2	23.8	24.2	24.6			20.5	20.6	20.1	21.6			15.3	17.7	18.1	22.9		
Hydraulic radius (ft)	1.6	1.5	1.5	1.4			1.7	1.7	1.7	1.5			1.1	1.2	1.2	1.1			1.7	1.5	1.6	1.4		

Parameter	Cross Section 13 Pool						Cross Section 14 Riffle						Cross Section 15 Riffle						Cross Section 16 Pool					
Dimension	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	19.7	19.2	18.5	22.8			18.8	18.4	19.6	20.9			17.5	17.0	18.9	18.0			19.7	23.9	23.6	23.1		
Floodprone Width (ft)	69.8	70.0	70.0	70.0			63.8	63.3	63.6	63.4			66.8	66.8	62.0	66.6			60.8	60.7	60.6	60.8		
BF Cross Sectional Area (ft ²)	26.4	23.9	23.4	27.2			24.3	24.0	24.8	23.4			15.9	18.4	21.9	22.6			49.7	48.5	62.6	55.2		
BF Mean Depth (ft)	1.3	1.2	1.3	1.2			1.3	1.3	1.3	1.1			0.9	1.1	1.2	1.3			2.5	2.0	2.1	2.4		
BF Max Depth (ft)	2.7	2.6	2.6	2.5			2.2	2.2	2.3	2.0			1.5	2.8	2.9	2.9			5.0	5.0	4.8	4.6		
Width/Depth Ratio	14.7	15.5	14.7	19.1			14.6	14.1	15.5	18.7			19.3	15.7	16.2	14.3			7.8	11.8	10.6	9.7		
Entrenchment Ratio	3.5	3.6	3.8	3.1			3.4	3.4	3.2	3.0			3.8	3.9	3.3	3.7			3.1	2.5	2.6	2.6		
Wetted Perimeter(ft)	20.4	19.9	19.4	23.5			19.5	19.1	20.4	21.3			17.9	18.2	20.1	19.3			22.3	26.3	25.6	25.3		
Hydraulic radius (ft)	1.3	1.2	1.2	1.2			1.2	1.3	1.2	1.1			0.9	1.0	1.1	1.2			2.2	1.8	2.1	2.2		
Parameter	Cross Section 17 Pool						Cross Section 18 Riffle						Cross Section 19 Pool						Cross Section 20 Riffle					
Dimension	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5	Base	MY1	MY2	MY3	MY4	MY5
BF Width (ft)	15.9	16.5	15.3	18.4			18.0	17.0	17.6	19.7			15.2	15.1	16.2	16.7			13.6	14.4	15.1	14.9		
Floodprone Width (ft)	74.1	71.0	74.4	74.1			76.3	76.1	76.3	76.9			81.6	81.9	82.0	81.6			97.2	96.9	96.9	97.1		
BF Cross Sectional Area (ft ²)	51.1	49.9	50.3	55.8			56.5	51.7	53.3	59.3			46.3	45.0	46.6	47.7			32.5	35.0	36.6	39.7		
BF Mean Depth (ft)	3.2	3.0	3.3	3.0			3.1	3.0	3.0	3.0			3.0	3.0	2.9	2.9			2.4	2.4	2.4	2.7		
BF Max Depth (ft)	5.0	5.1	4.9	5.4			4.5	4.4	4.2	4.7			4.9	4.8	4.7	4.7			3.0	3.4	3.4	3.6		
Width/Depth Ratio	5.0	5.5	4.7	6.1			5.7	5.6	5.8	6.6			5.0	5.1	5.7	5.8			5.7	5.9	6.3	5.6		
Entrenchment Ratio	4.7	4.3	4.9	4.0			4.2	4.5	4.3	3.9			5.4	5.4	5.0	4.9			7.1	6.7	6.4	6.5		
Wetted Perimeter(ft)	20.6	20.8	19.3	22.6			22.2	21.3	21.5	24.4			19.3	18.8	19.5	20.1			16.1	17.1	17.8	17.7		
Hydraulic radius (ft)	2.5	2.4	2.6	2.5			2.5	2.4	2.5	2.4			2.4	2.4	2.4	2.4			2.0	2.1	2.1	2.2		

Reach 1

Parameter	Baseline			MY1			MY2			MY3			MY4			MY5		
Pattern	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med
Channel Beltwidth (ft)	39.05	86.72	62.88	84.94	158.25	123.72	84.94	158.25	123.72	84.94	158.25	123.72						
Radius of Curvature (ft)	18.26	27.39	22.82	20.24	30.26	24.87	20.24	30.26	24.87	20.24	30.26	24.87						
Meander Wavelength (ft)	124.25	171.16	147.70	275.87	364.82	320.22	275.87	364.82	320.22	275.87	364.82	320.22						
Meander Width ratio	2.12	4.72	3.42	2.3	4.2	3.3	2.3	4.2	3.3	2.3	4.2	3.3						
Profile																		
Riffle length (ft)	15.1	103.2	39.0	20.0	47.0	28.8	20.0	47.0	28.8	20.0	47.0	28.8						
Riffle slope (ft/ft)	0.0038	0.0177	0.0081	0.001	0.0281	0.0118	0.001	0.0281	0.0118	0.0051	0.0305	0.0191						
Pool length (ft)	23.2	139.4	52.6	21.7	87.4	45.4	21.7	87.4	45.4	21.7	87.4	45.4						
Pool spacing (ft)	33.9	250.8	65.3	29.5	155.8	73.5	29.5	155.8	73.5	29.5	155.8	73.5						
Additional Reach Parameters																		
Valley Length (ft)		1581.9			741.0			741.0			741.0							
Channel Length (ft)		2200			1017.8			1017.8			1017.8							
Sinuosity		1.4			1.4			1.4			1.4							
Water Surface Slope (ft/ft)		0.00150			0.0007			0.0007			0.000802							
BF slope (ft/ft)		0.0009			0.00075			0.00075			0.00182							
Rosgen Classification		C5			C5			C5			C5							

Reach 2

Parameter	Baseline			MY1			MY2			MY3			MY4			MY5		
Pattern	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med
Channel Beltwidth (ft)	39.98	88.78	64.38	39.98	88.78	64.38	39.98	88.78	64.38	39.98	88.78	64.38						
Radius of Curvature (ft)	18.69	28.04	23.36	18.69	28.04	23.36	18.69	28.04	23.36	18.69	28.04	23.36						
Meander Wavelength (ft)	127.20	175.22	151.21	127.20	175.22	151.21	127.20	175.22	151.21	127.20	175.22	151.21						
Meander Width ratio	2.12	4.72	3.42	2.12	4.72	3.42	2.12	4.72	3.42	2.12	4.72	3.42						
Profile																		
Riffle length (ft)	28.2	97.5	49.1	28.2	97.5	49.1	28.2	97.5	49.1	28.2	97.5	49.1						
Riffle slope (ft/ft)	0.0020	0.0096	0.0045	0.0020	0.0096	0.0045	0.0020	0.0096	0.0045	0.0020	0.0096	0.0045						
Pool length (ft)	19.4	135.9	59.6	19.4	135.9	59.6	19.4	135.9	59.6	19.4	135.9	59.6						
Pool spacing (ft)	35.2	195.1	119.4	35.2	195.1	119.4	35.2	195.1	119.4	35.2	195.1	119.4						
Additional Reach Parameters																		
Valley Length (ft)		756.8			756.8			756.8			756.8							
Channel Length (ft)		1550			1550			1550			1550							
Sinuosity		2.0			2.0			2.0			2.0							
Water Surface Slope (ft/ft)		0.00140			0.00140			0.00140			0.000802							
BF slope (ft/ft)		0.00075			0.00075			0.00075			0.001							
Rosgen Classification		C5			C5			C5			C5							

Reach 3

Parameter	Baseline			MY1			MY2			MY3			MY4			MY5		
Pattern	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med
Channel Beltwidth (ft)	41.06	91.41	66.23	83.2	217.1	152.6	83.2	217.1	152.6	83.2	217.1	152.6						
Radius of Curvature (ft)	19.17	28.86	24.01	14.1	31.7	20.5	14.1	31.7	20.5	14.1	31.7	20.5						
Meander Wavelength (ft)	130.92	180.30	155.51	221.9	498.8	325.6	221.9	498.8	325.6	221.9	498.8	325.6						
Meander Width ratio	2.12	4.72	3.42	2.0	5.3	3.7	2.0	5.3	3.7	2.0	5.3	3.7						
Profile																		
Riffle length (ft)	19.5	195.8	34.7	10.2	57.0	22.7	10.2	57.0	22.7	10.2	57.0	22.7						
Riffle slope (ft/ft)	0.0022	0.0297	0.0038	0.0003	0.0313	0.0118	0.0003	0.0313	0.0118	0.0108	0.0141	0.0117						
Pool length (ft)	13.4	126.6	54.6	13.8	38.6	22.8	13.8	38.6	22.8	13.8	38.6	22.8						
Pool spacing (ft)	22.4	206.4	86.1	23.2	168.3	53.1	23.2	168.3	53.1	23.2	168.3	53.1						
Additional Reach Parameters																		
Valley Length (ft)		2498.5			966.8			966.8			966.8							
Channel Length (ft)		4110			1750			1750			1750							
Sinuosity		1.7			1.8			1.8			1.8							
Water Surface Slope (ft/ft)		0.00160			0.001			0.001			0.001							
BF slope (ft/ft)		0.0008			0.001			0.001			0.0012							
Rosgen Classification		E5			E5			E5			E5							

Reach 4

Parameter	Baseline			MY1			MY2			MY3			MY4			MY5		
Pattern	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med	Min	Max	Med
Channel Beltwidth (ft)	27.9	47.7	35.8	27.9	47.7	35.8	27.9	47.7	35.8	27.9	47.7	35.8						
Radius of Curvature (ft)	86.22	187.8	140.2	86.22	187.8	140.2	86.22	187.8	140.2	86.22	187.8	140.2						
Meander Wavelength (ft)	368.1	391.9	380.0	368.1	391.9	380.0	368.1	391.9	380.0	368.1	391.9	380.0						
Meander Width ratio	0.9085	1.5523	0.6649	0.9085	1.5523	0.6649	0.9085	1.5523	0.6649	0.9085	1.5523	0.6649						
Profile																		
Riffle length (ft)	41.9	80.1	63.6	41.9	80.1	63.6	41.9	80.1	63.6	41.9	80.1	63.6						
Riffle slope (ft/ft)	0.0016	0.0090	0.0064	0.0016	0.0090	0.0064	0.0016	0.0090	0.0064	0.0023	0.009	0.0046						
Pool length (ft)	39.4	157.6	76.34	39.4	157.6	76.34	39.4	157.6	76.34	39.4	157.6	76.34						
Pool spacing (ft)	51.4	127.9	88.4	51.4	127.9	88.4	51.4	127.9	88.4	51.4	127.9	88.4						
Additional Reach Parameters																		
Valley Length (ft)		615.8			615.8			615.8			615.8							
Channel Length (ft)		638.4			638.4			638.4			638.4							
Sinuosity		1.0			1.0			1.0			1.0							
Water Surface Slope (ft/ft)		0.0003			0.0003			0.0003			0.0006							
BF slope (ft/ft)		0.0002			0.0002			0.0002			0.000766							
Rosgen Classification		E5			E5			E5			E5							