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10/31/2007 -- 3:01:37 PM

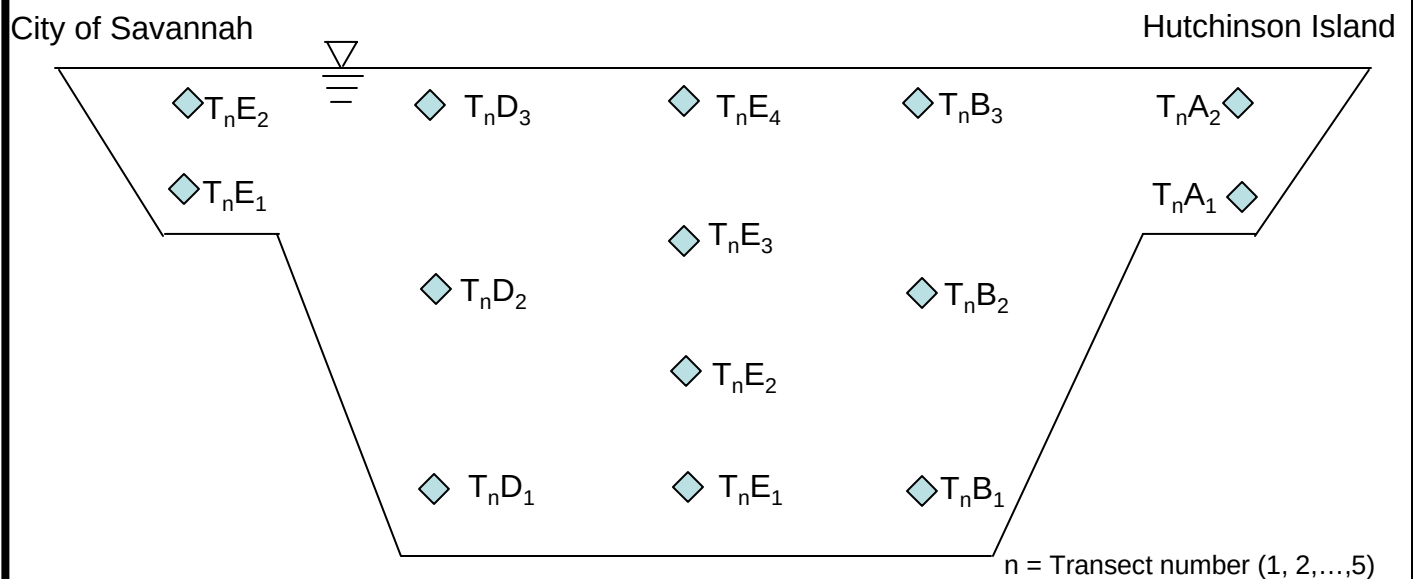
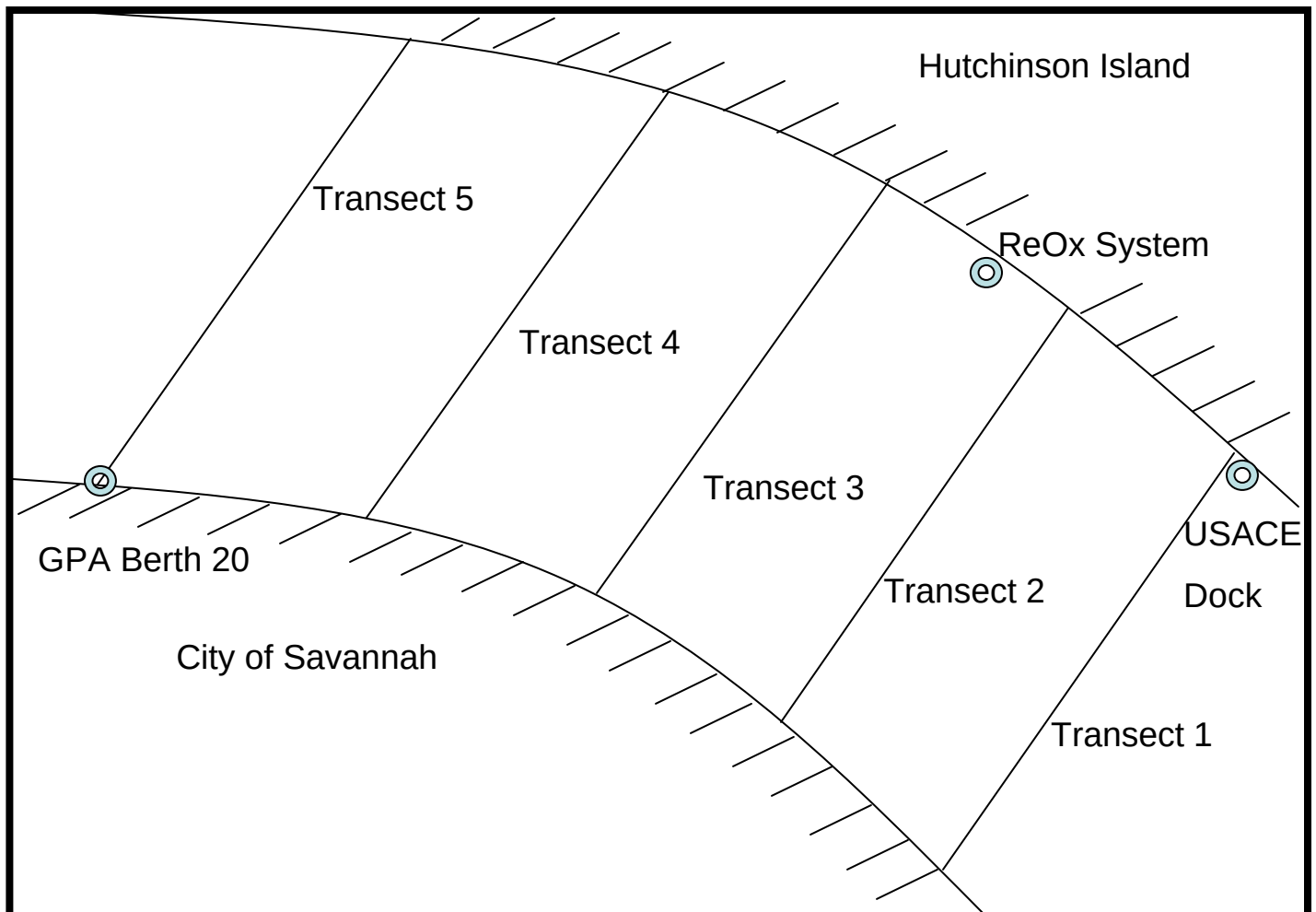
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**REOXYGENATION DEMONSTRATION PROJECT**  
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**SAVANNAH, GEORGIA**



**Cross-Section Monitoring Locations**

|                            |                                |                               |                    |
|----------------------------|--------------------------------|-------------------------------|--------------------|
| Project Number: 6110070004 | Prepared by-Date: THP-10/25/07 | Checked by-Date: TRK-10/26/07 | Figure Number: 4-4 |
|----------------------------|--------------------------------|-------------------------------|--------------------|





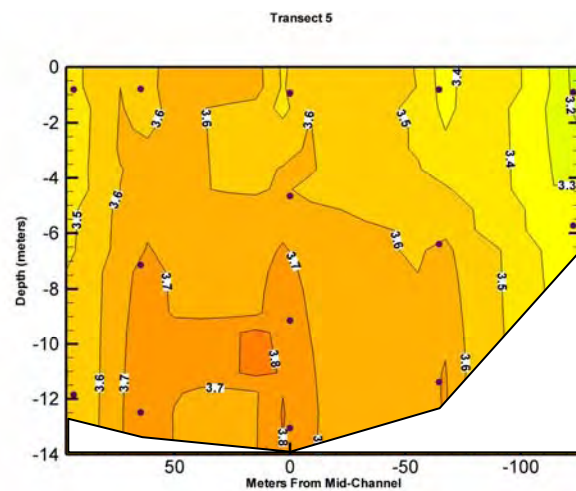
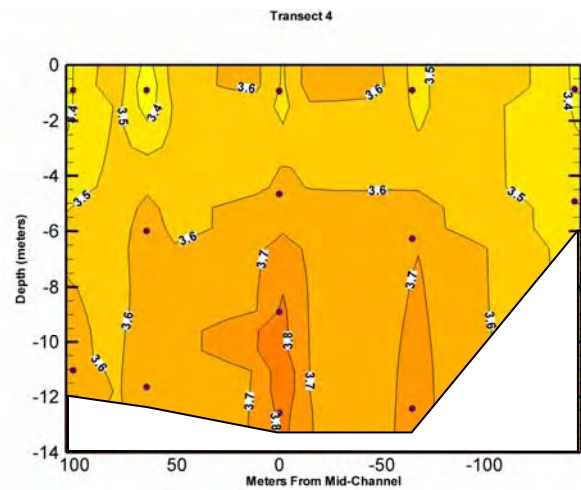
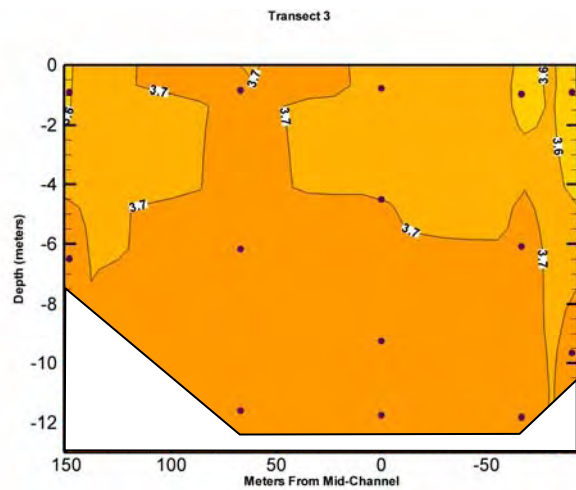
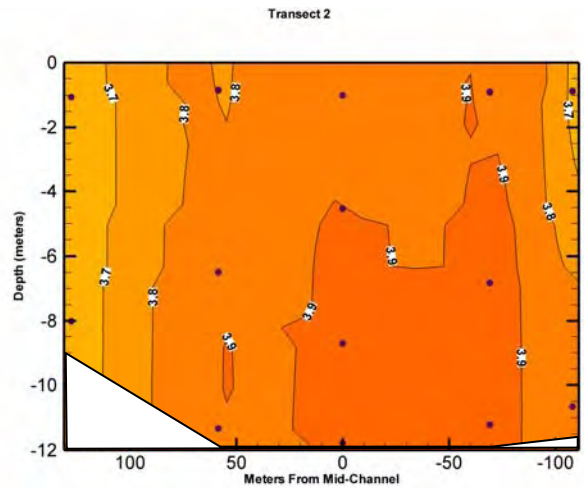
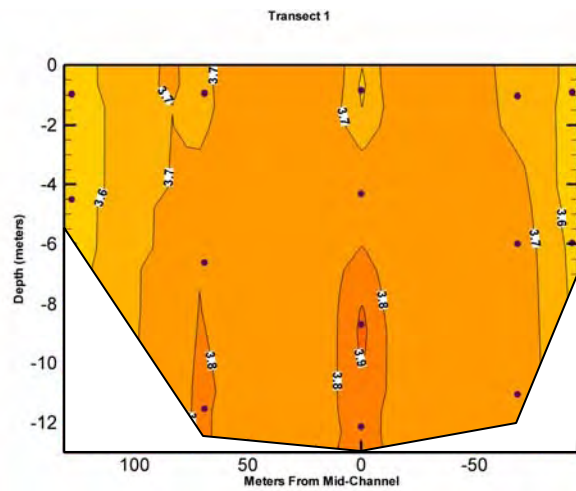
Prepared by: LMS 11/12/07  
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**MACTEC**  
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**Transect Schematic**

Figure 4-4.1



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 Checked by: JTP 11/15/07

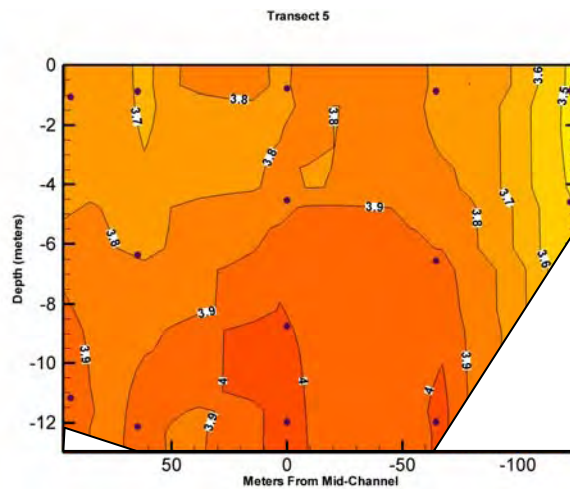
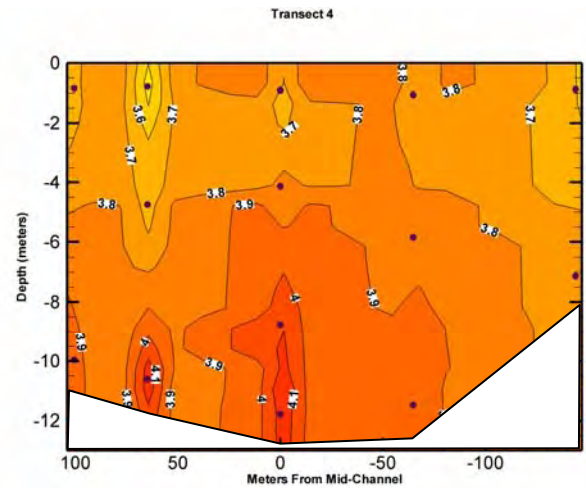
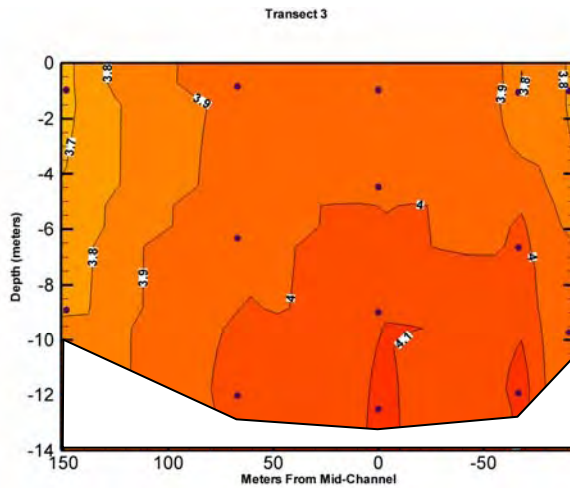
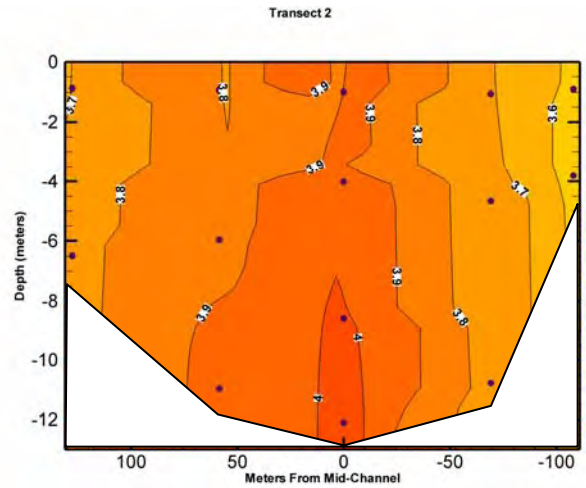
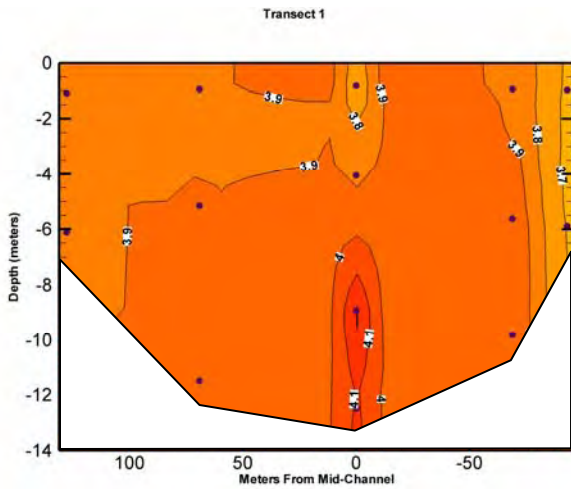
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Project Number: 6110070004

Cross-Sections  
 DO Deficit (mg/L)  
 Low Tide 7/10/2007

Figure:4-4.2 a



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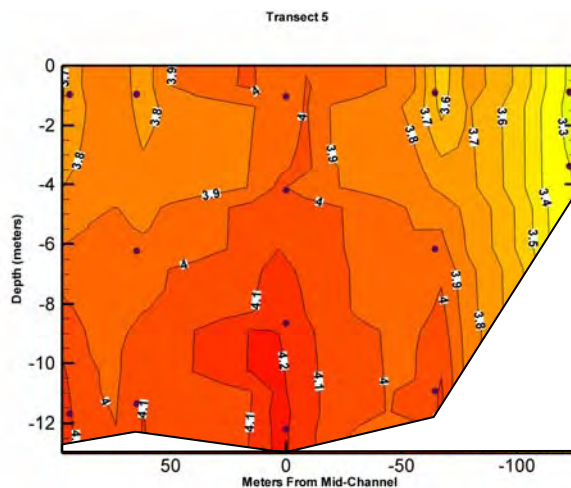
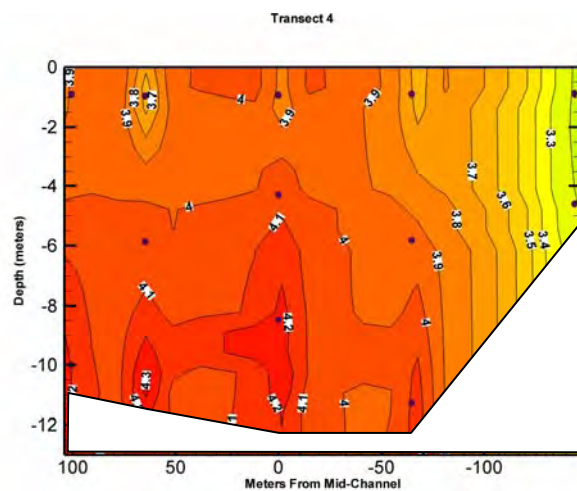
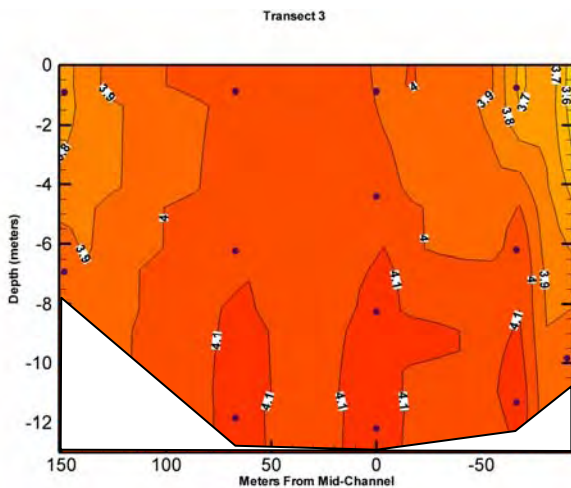
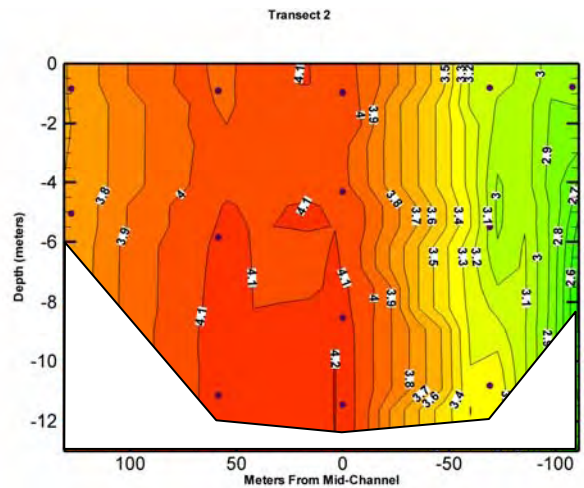
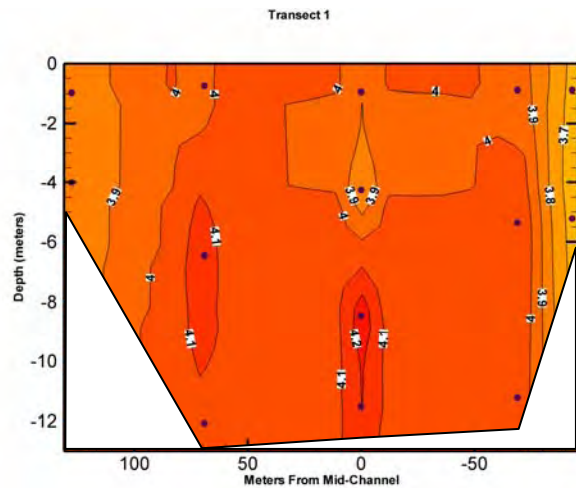
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 Project Number: 6110070004

Cross-Sections  
 DO Deficit (mg/L)  
 Low Tide 8/7/2007

Figure:4-4.2 b





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 Checked by: JTP 11/15/07

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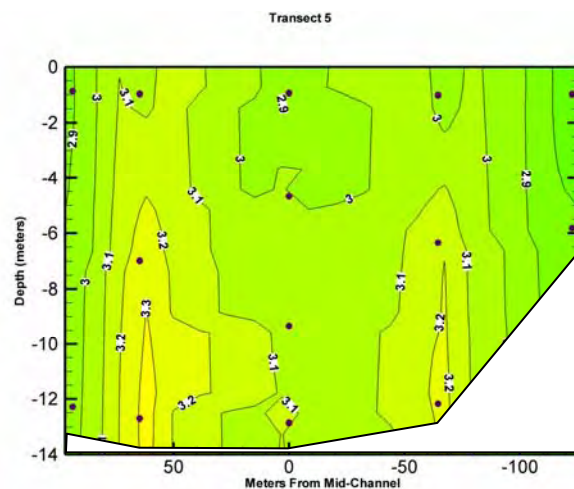
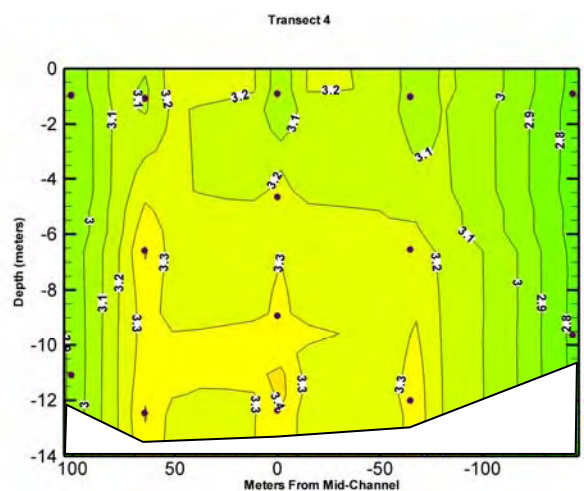
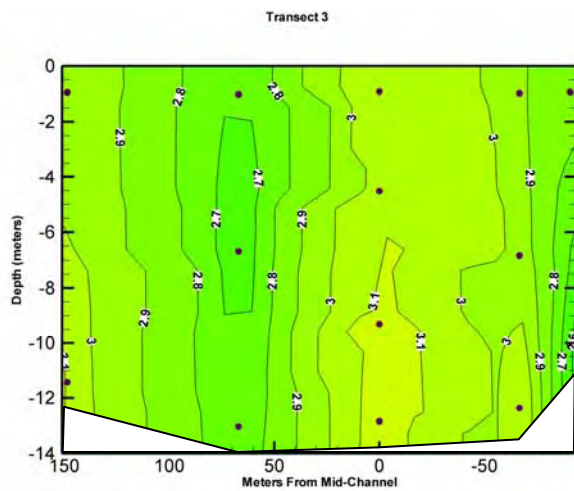
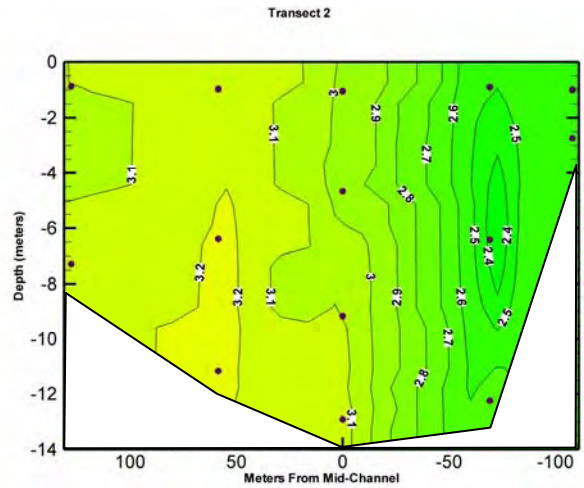
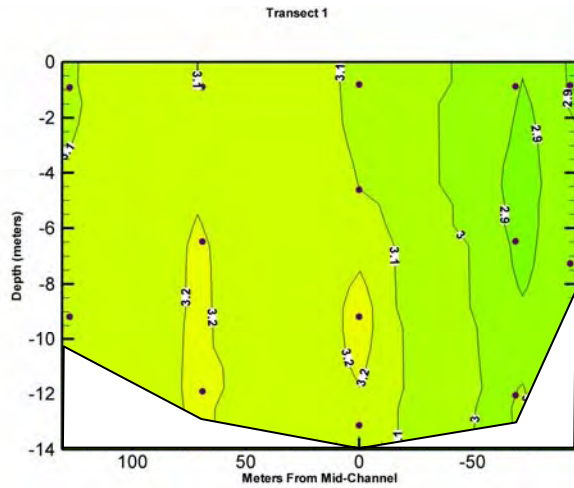


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Cross-Sections  
 DO Deficit (mg/L)  
 Low Tide 8/10/2007

Figure:4-4.2 c





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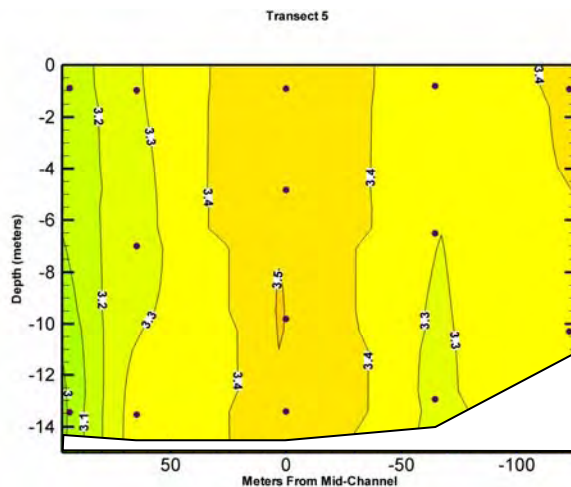
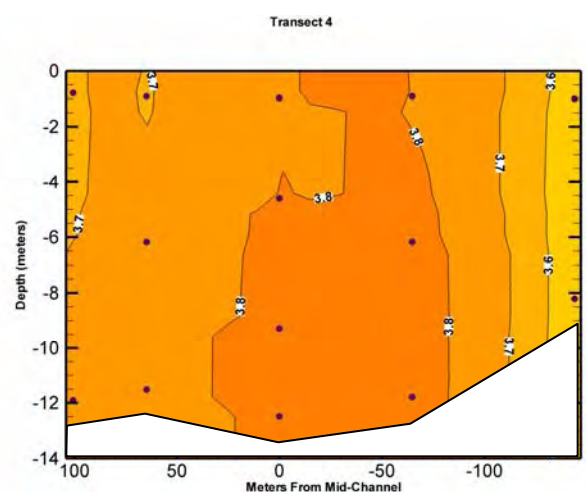
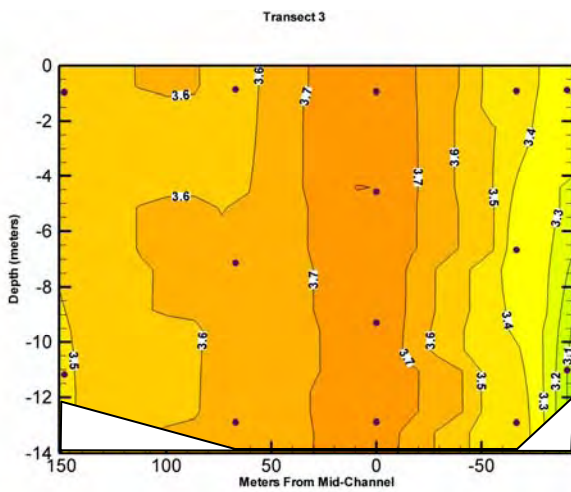
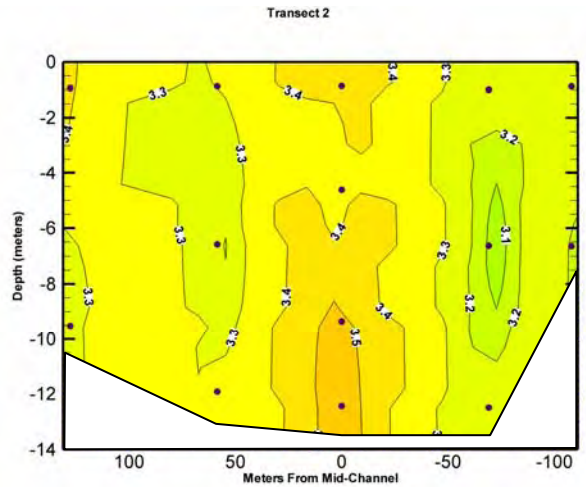
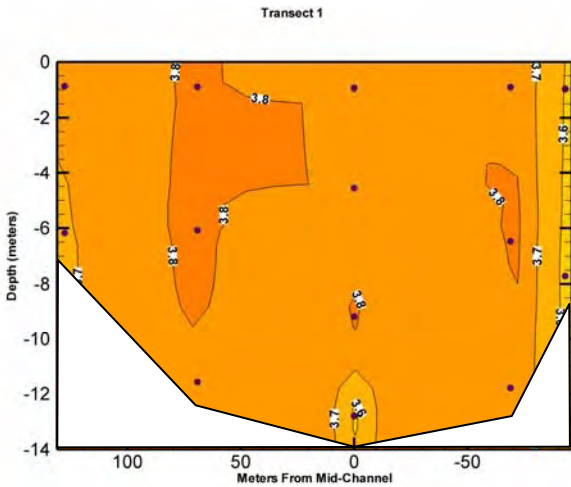


Project Number: 6110070004

Cross-Sections  
 DO Deficit (mg/L)  
 Low Tide 8/21/2007

Figure:4-4.2 d





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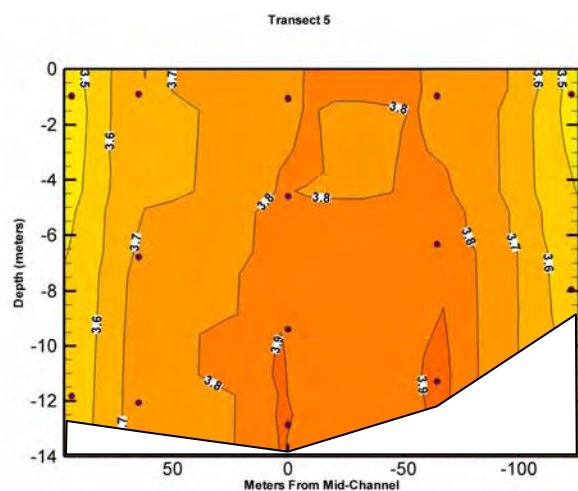
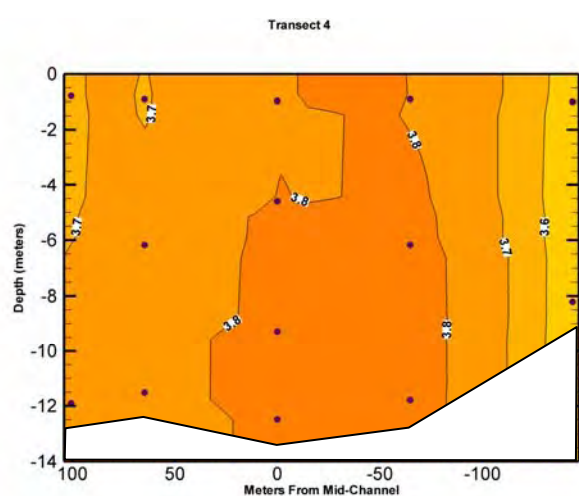
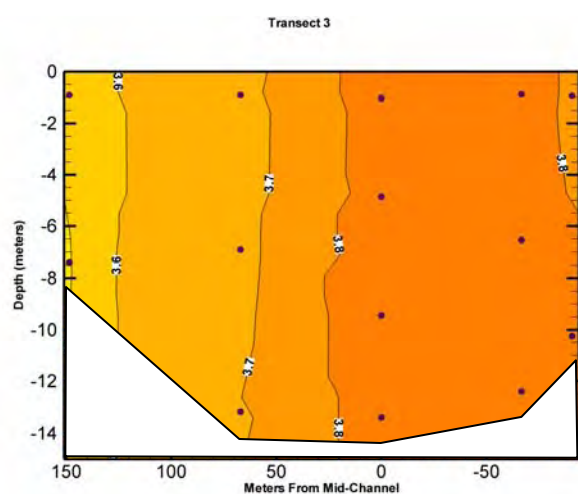
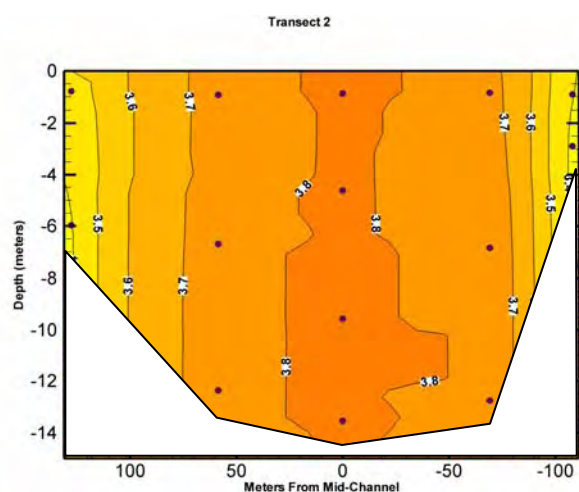
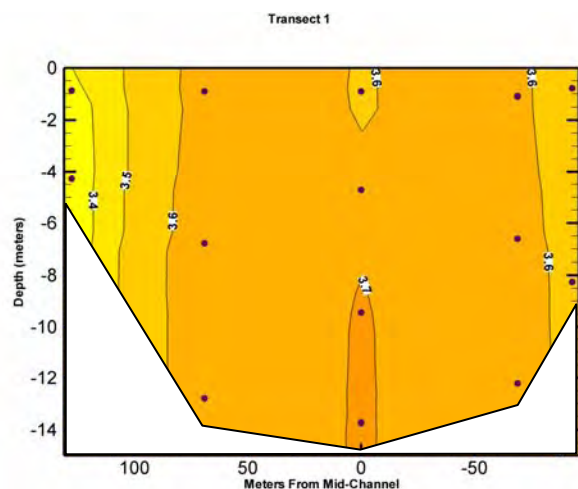
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 Project Number: 6110070004

Cross-Sections  
 DO Deficit (mg/L)  
 Low Tide 9/5/2007

Figure:4-4.2 e





Prepared by: NTG 11/15/07  
 Checked by: JTP 11/15/07

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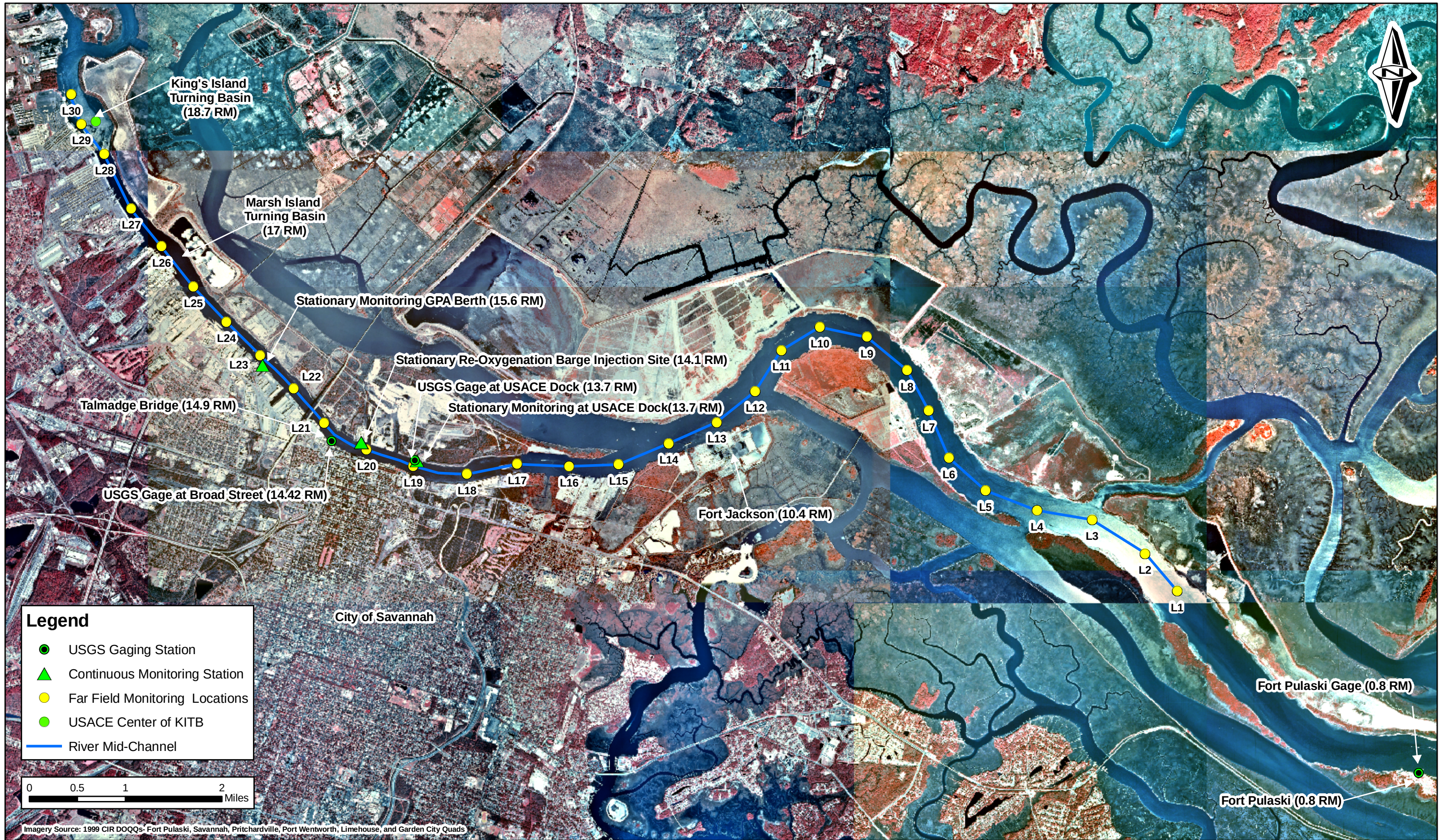


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Cross-Sections  
 DO Deficit (mg/L)  
 Low Tide 9/24/2007

Figure:4-4.2 f





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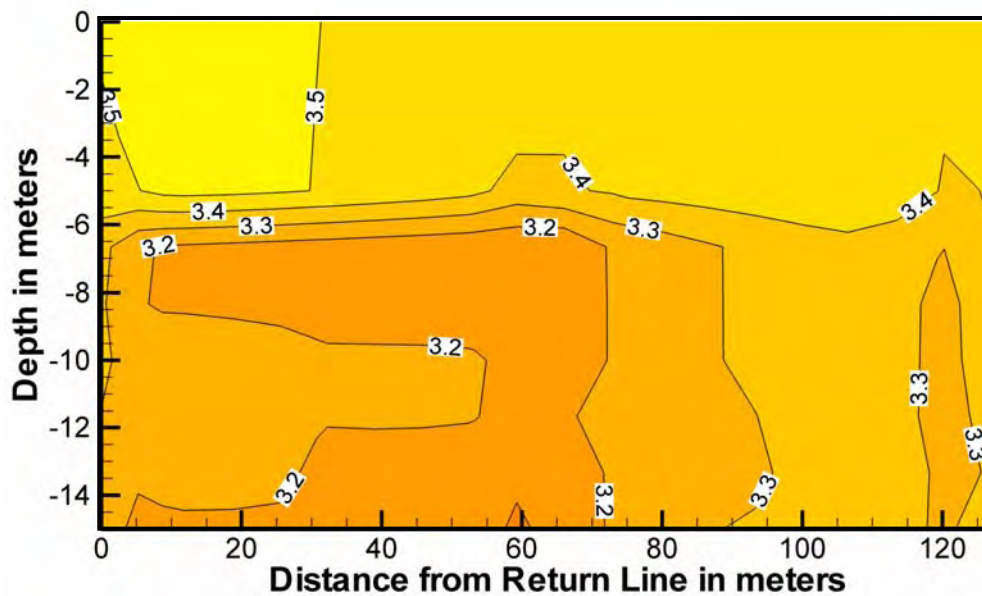


**Long Run Monitoring Locations**

|                            |                                |                               |                    |
|----------------------------|--------------------------------|-------------------------------|--------------------|
| Project Number: 6110070004 | Prepared by-Date: THP-10/25/07 | Checked by-Date: TRK-10/26/07 | Figure Number: 4-5 |
|----------------------------|--------------------------------|-------------------------------|--------------------|



# **Dissolved Oxygen Concentration - Near Barge Return Flow Centerline**



Prepared by: NTG 11/13/07  
Checked by: TRK 11/13/07

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Near Barge Monitoring  
DO Concentration (mg/L)  
8/7/2007

Project Number: 6110070004

Figure:4-5.1





Prepared by: LMS 11/16/07  
Checked by: MET 11/16/07

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Effervescence at Slack Tide

Project Number: 6110070004

Figure: 4-6





**Photo 1: Surface dye injection (5 gallons) - Dye injected into river from water's surface. This showed the expected dye color if the deep injected dye had made it to the surface.**



**Photo 2: System dye injection (55 gallons) - Dye injected thirty feet below water surface through ReOx System. Dye has been churned up from the deeper zone by the boat. Surface dispersion of dye minimal, majority of dye remaining in the deep zone of the river.**

Prepared by: JTP 11/19/07  
Checked by: MET 11/19/07

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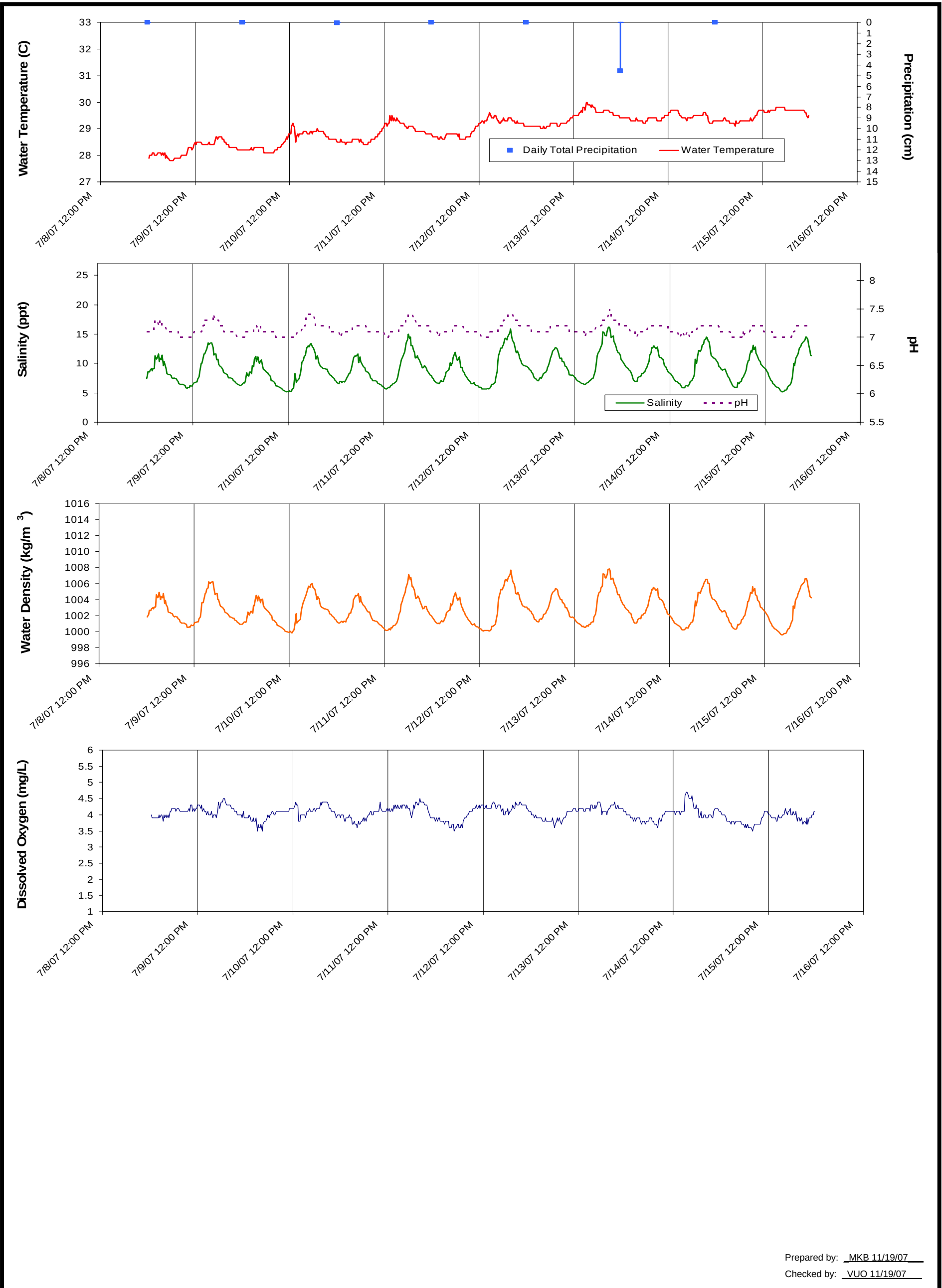


Dye Test Photos

Project Number: 6110070004

Figure: 4-7



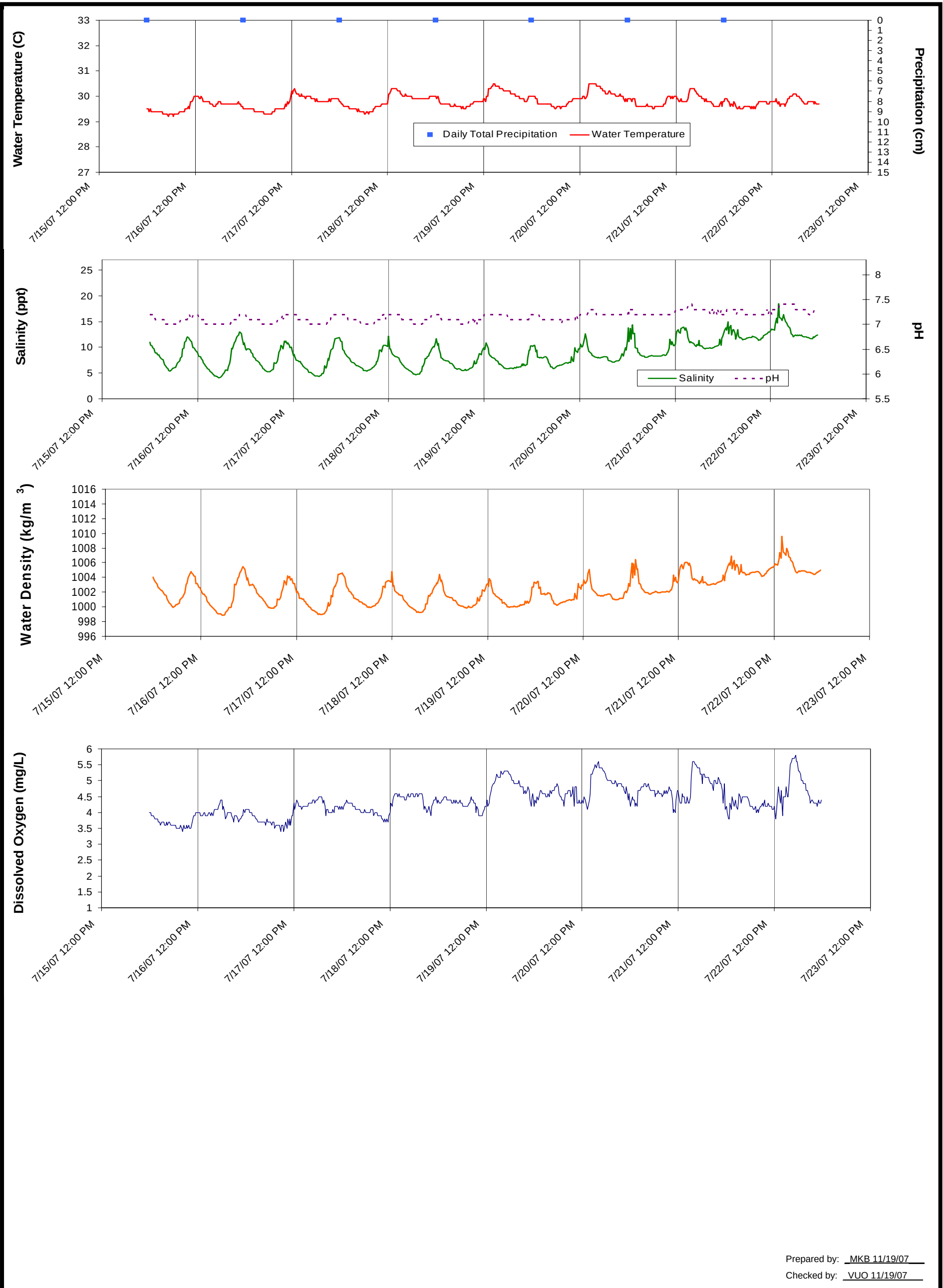


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USGS Gage Station at USACE Dock  
July 9 – 15, 2007



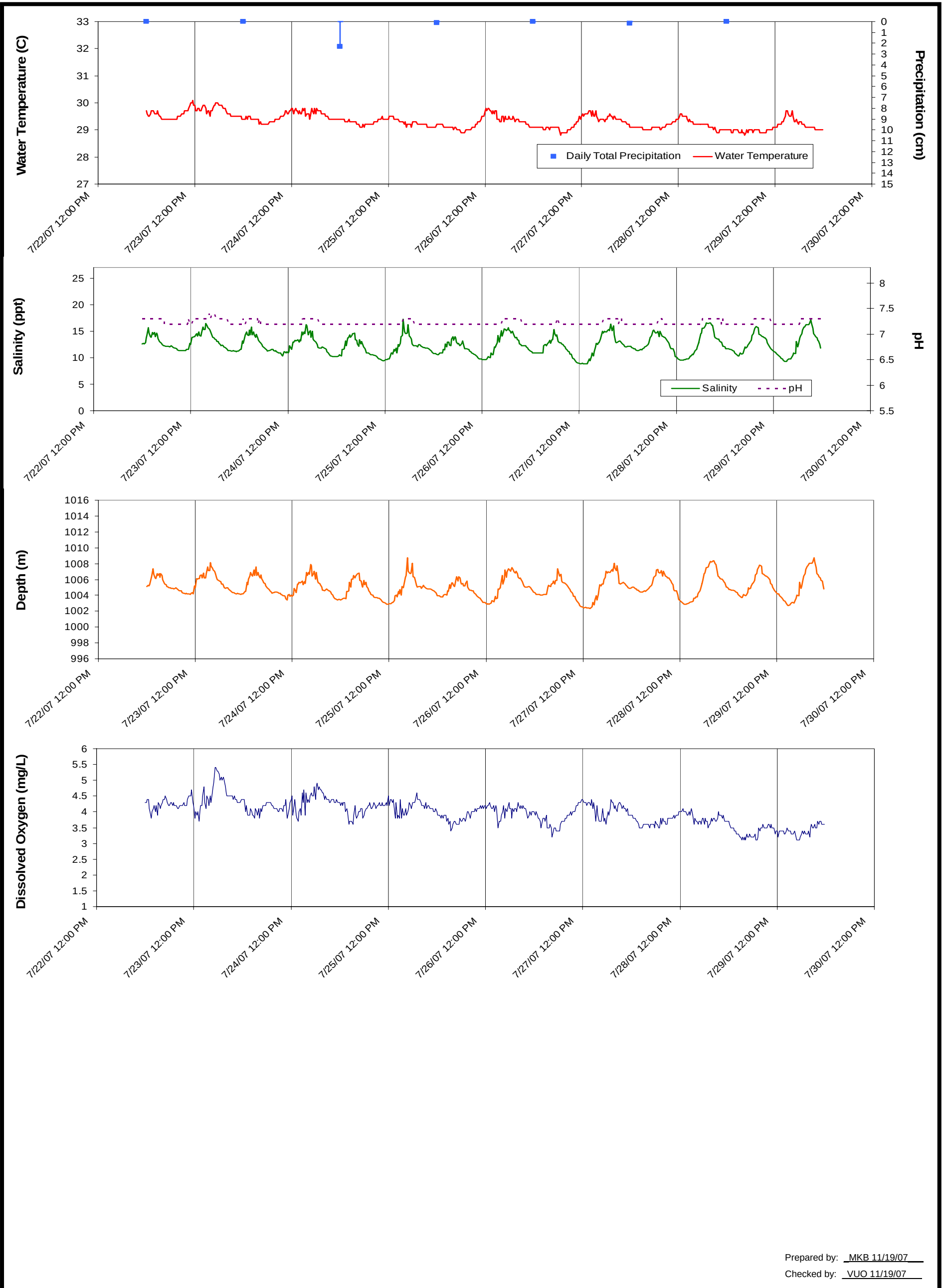


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**USGS Gage Station at USACE Dock  
July 16 – 22, 2007**



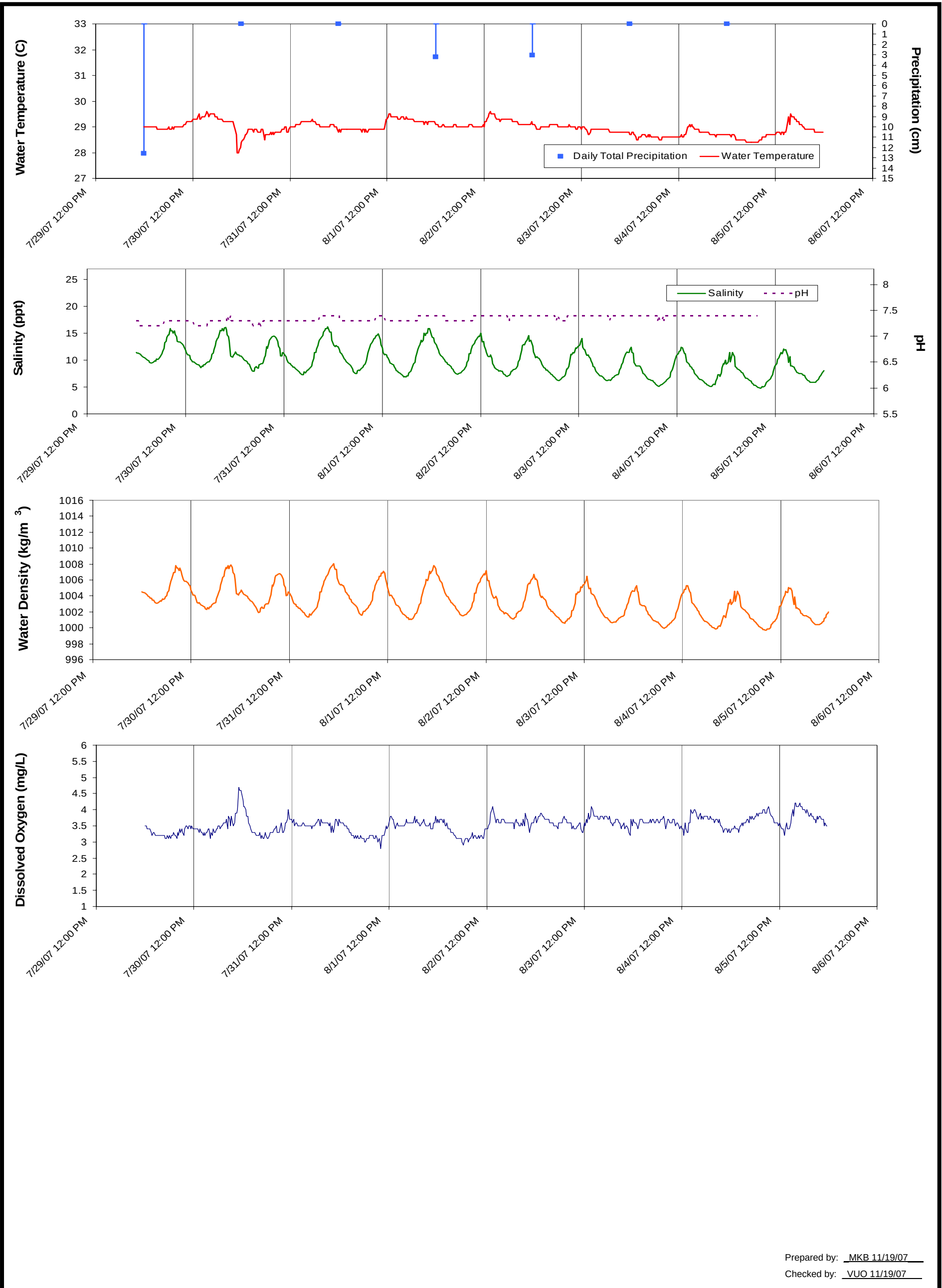


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**USGS Gage Station at USACE Dock  
July 23 – 29, 2007**



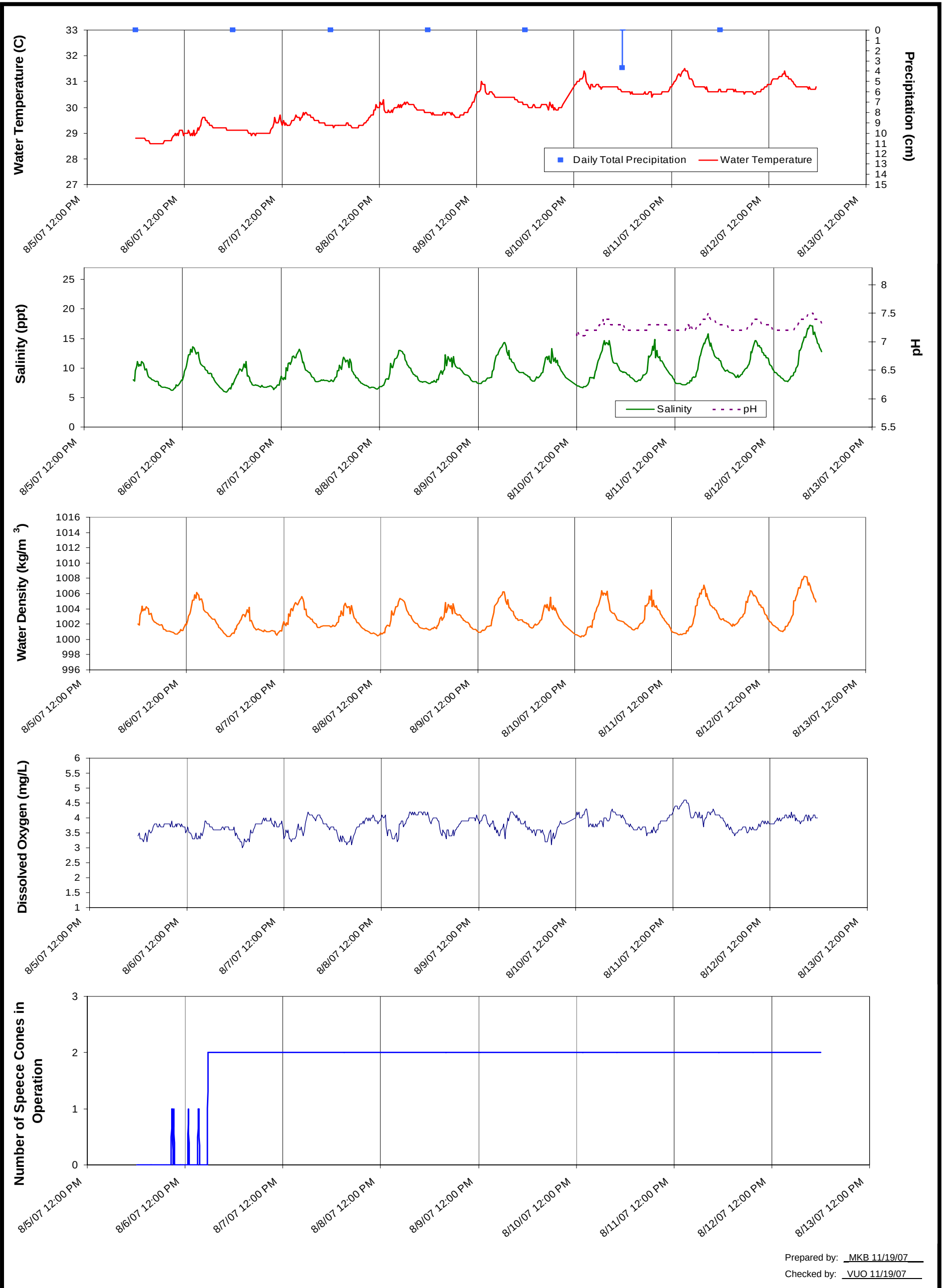


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USGS Gage Station at USACE Dock  
July 30 – Aug 5, 2007





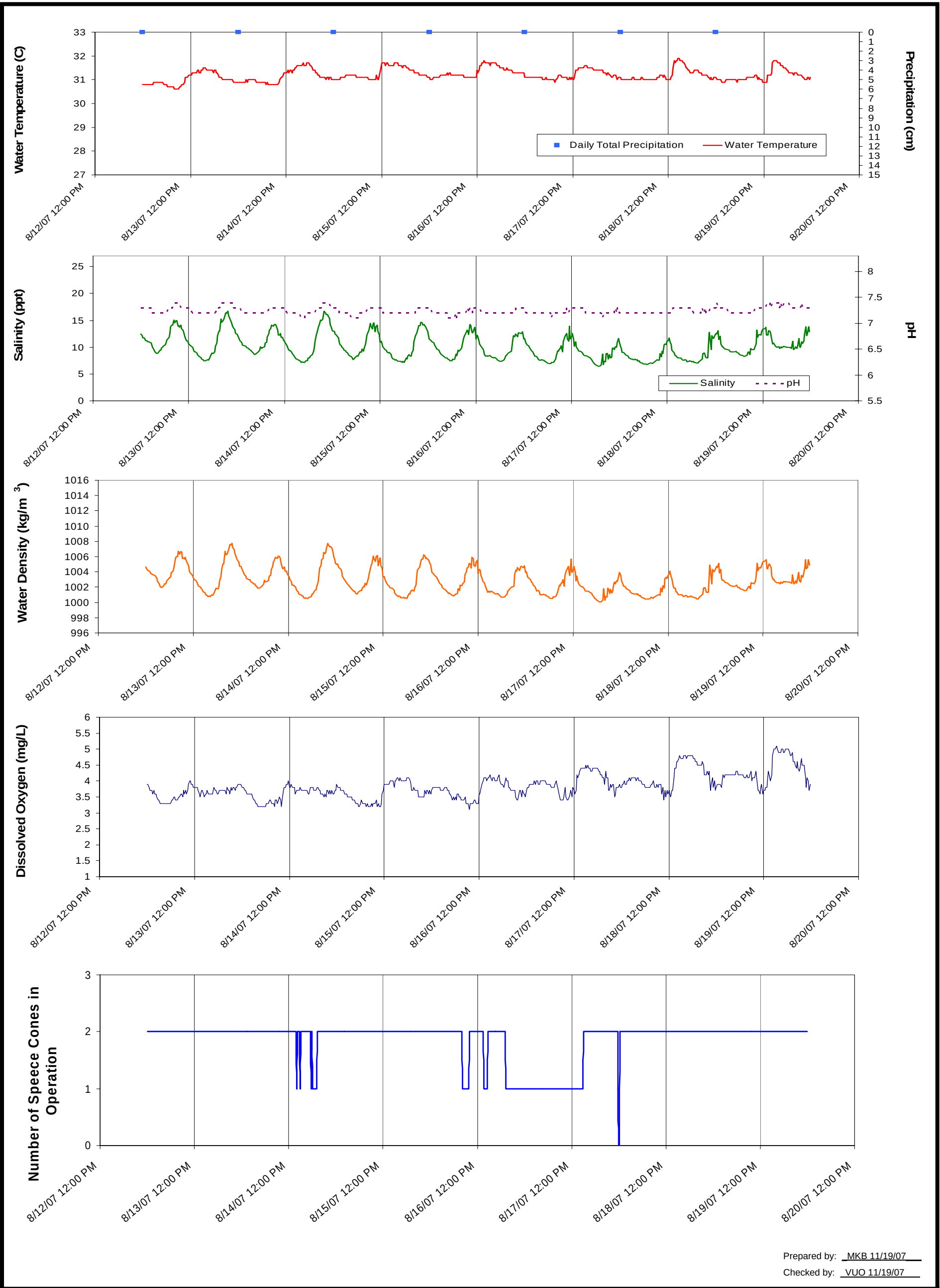
Prepared by: MKB 11/19/07  
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USGS Gage Station at USACE Dock  
Aug 6 – 12 , 2007



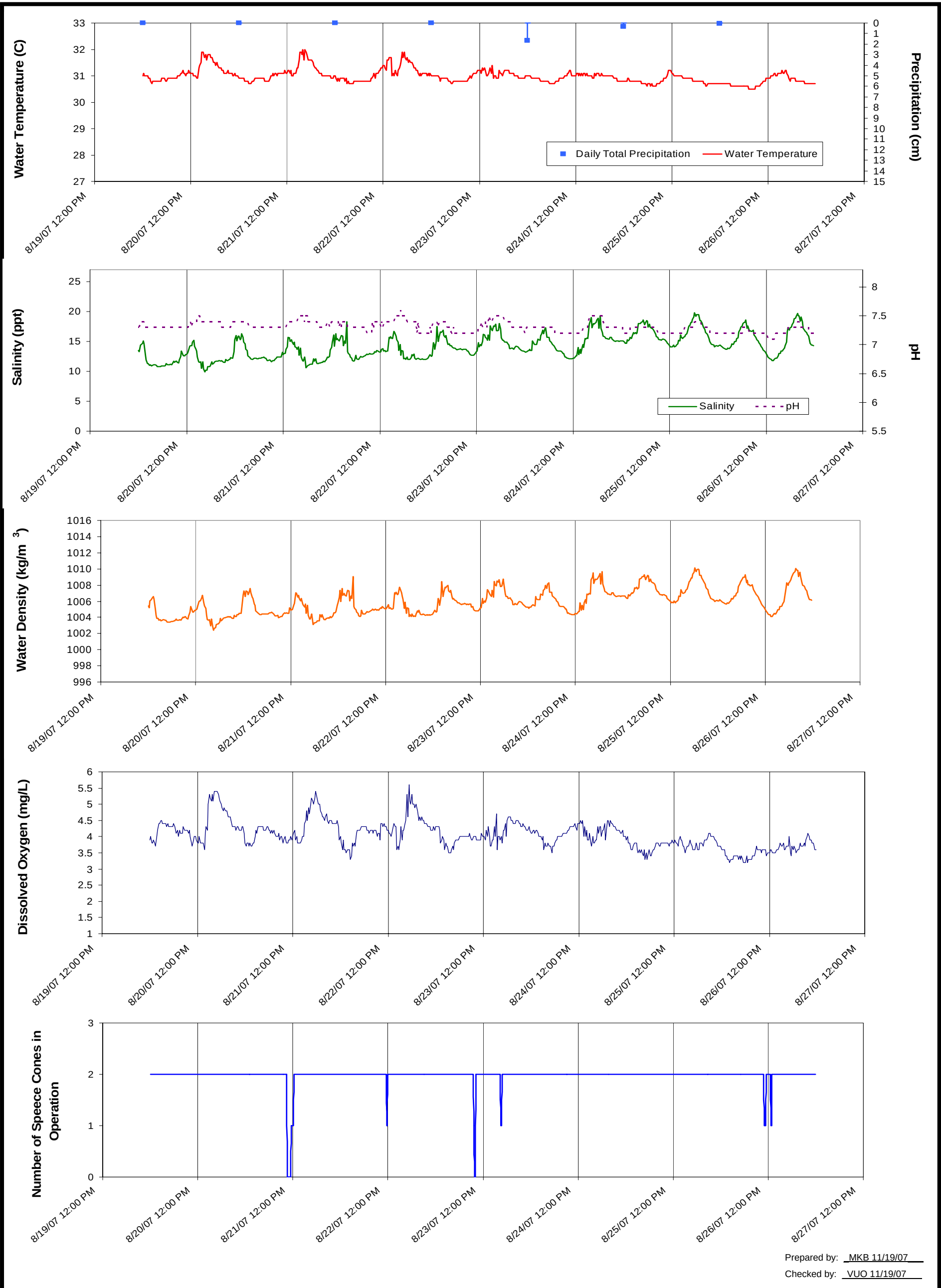


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**USGS Gage Station at USACE Dock**  
**Aug 13 – 19 , 2007**

Project Number: 6110070004 Figure 4-8.1



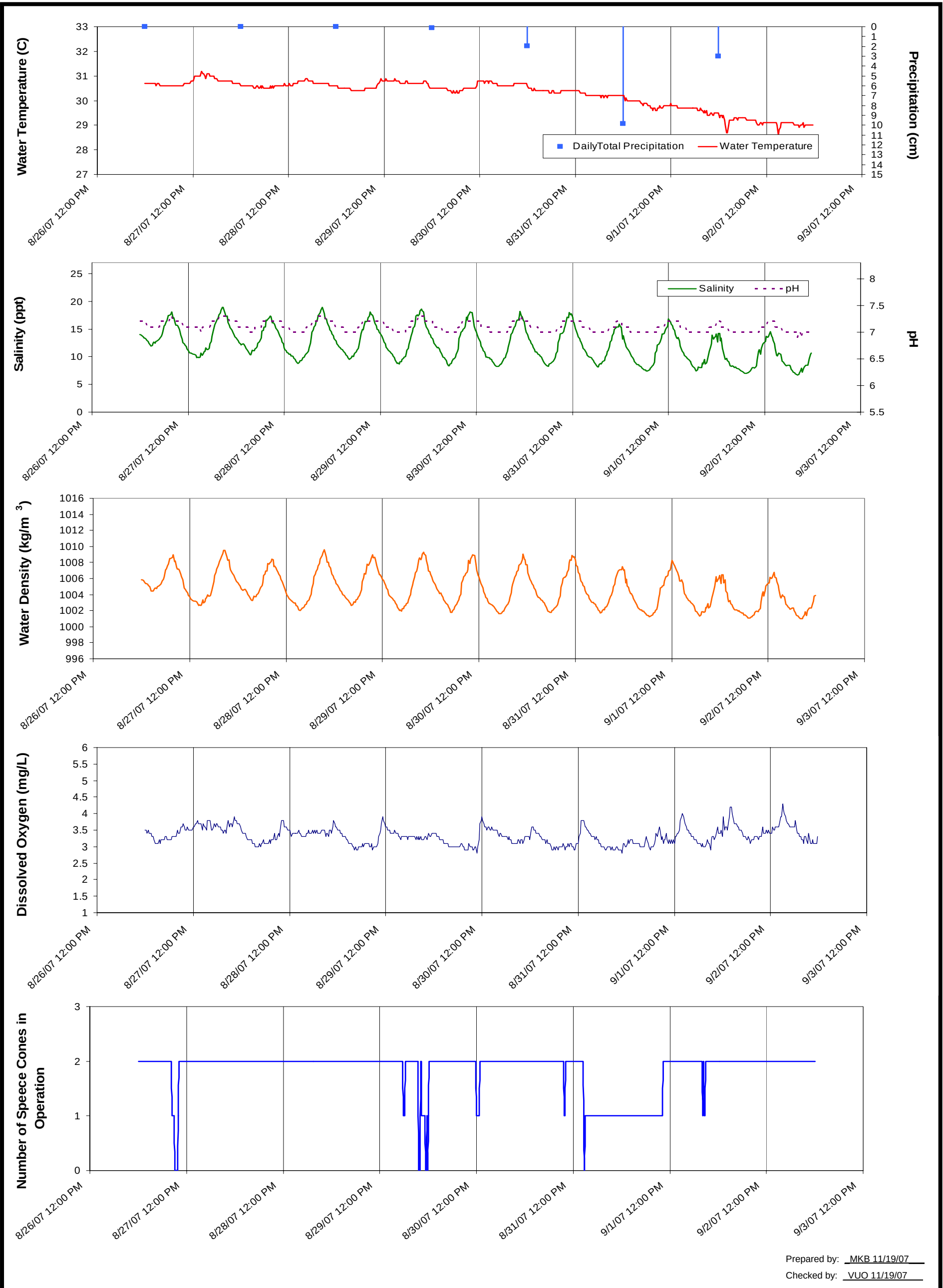
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**USGS Gage Station at USACE Dock  
Aug 20 – 26 , 2007**

Project Number: 6110070004 Figure 4-8.1





Prepared by: MKB 11/19/07  
Checked by: VUO 11/19/07

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SAVANNAH, GEORGIA



USGS Gage Station at USACE Dock  
Aug 27 – Sep 2, 2007