



**GULFPORT  
WETLAND COMPENSATION SITE**

**ISGS #29**

FAP 313

Henderson County, near Gulfport, Illinois

**Primary Project Manager: Steven E. Benton**

**Secondary Project Manager: Keith W. Carr**

**SITE HISTORY**

- September 1994: ISGS submitted an Initial Site Evaluation Report to IDOT.
- Fall 1997: IDOT completed excavation of the wetland basin.
- January 1998: ISGS began surface-water elevation monitoring at the site.
- March 2006: Site monitoring was completed.

**WETLAND HYDROLOGY CALCULATION FOR 2006**

Data collection at this site was discontinued in March 2006 at the request of IDOT. Therefore, no wetland hydrology calculation was performed for the 2006 growing season.

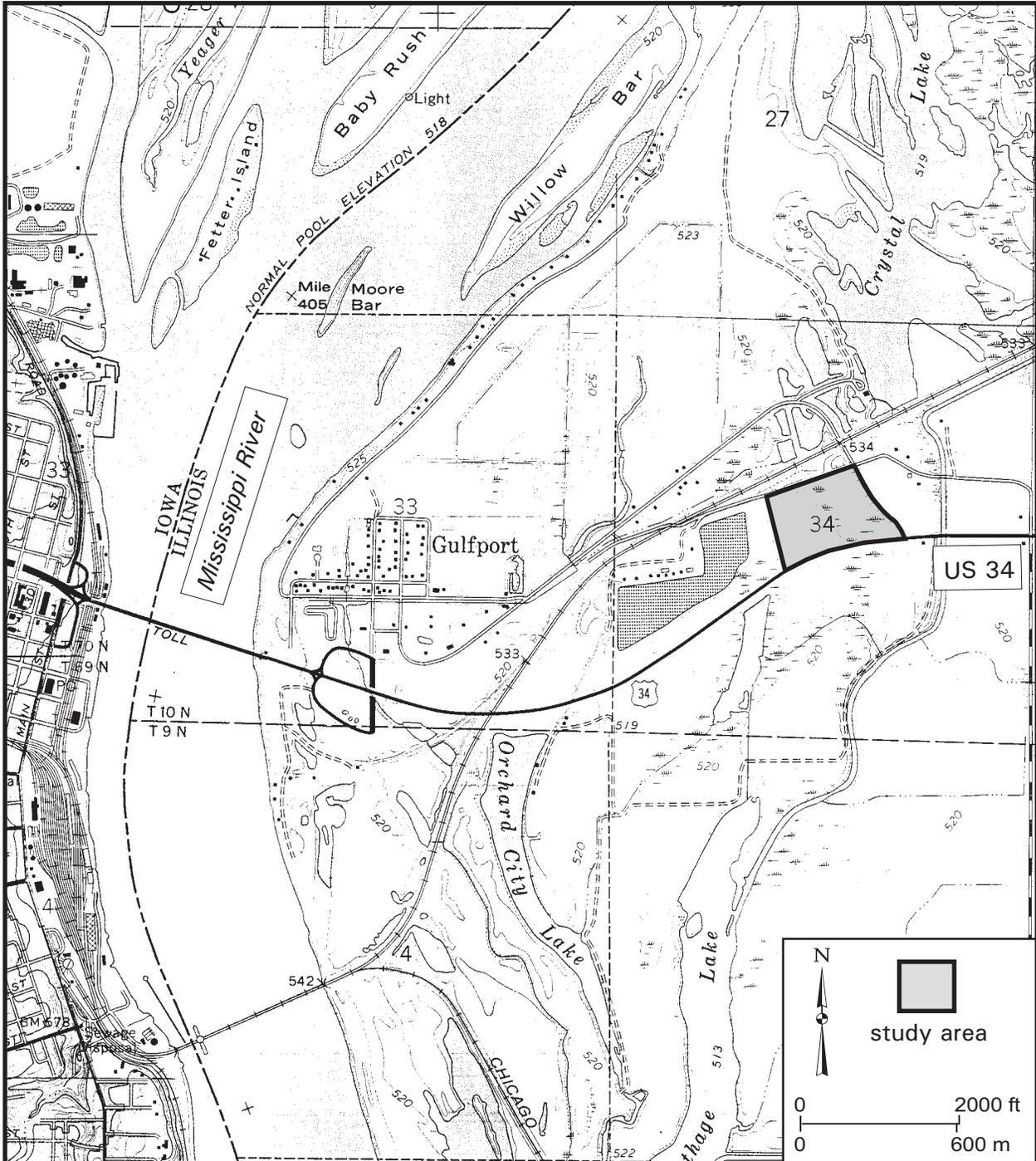
**PLANNED FUTURE ACTIVITIES**

- All data loggers were removed from the site in March 2006. Monitoring wells and staff gauges will be removed as time allows.

# Gulfport Wetland Compensation Site (FAP 313)

## General Study Area and Vicinity

from the USGS Topographic Series, Burlington, IA-IL 7.5-minute Quadrangle  
(USGS 1964, photorevised 1976)  
contour interval is 10 feet



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## Instrument Location Map

Map based on USGS digital orthophotograph, Burlington NW quarter quadrangle  
produced from 04/14/1998 aerial photography (ISGS 1999)



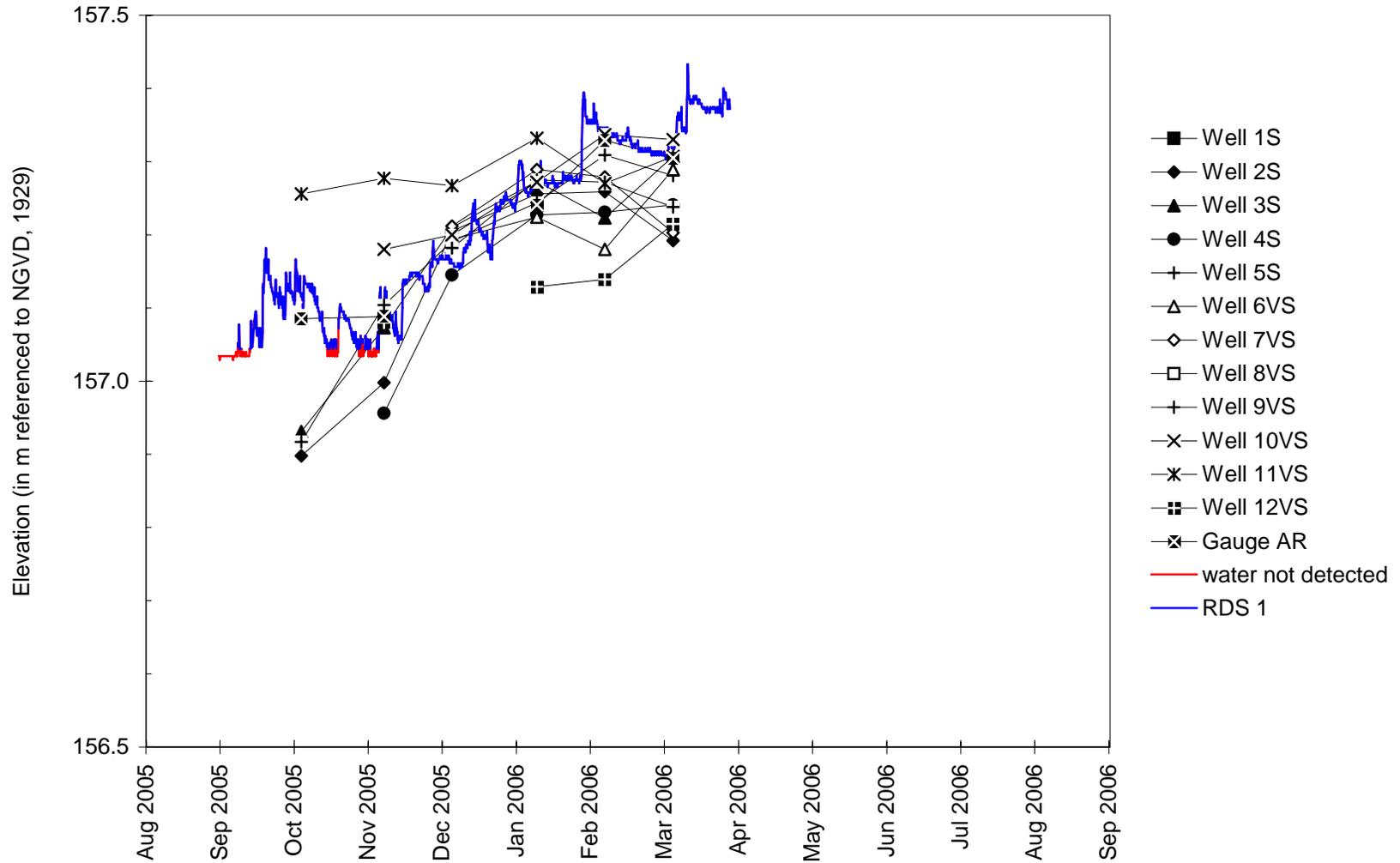
- soil-zone monitoring well
- ✱ rain gauge
- RDS data logger
- IDOT construction limits



# Gulfport Wetland Compensation Site

September 1, 2005 to September 1, 2006

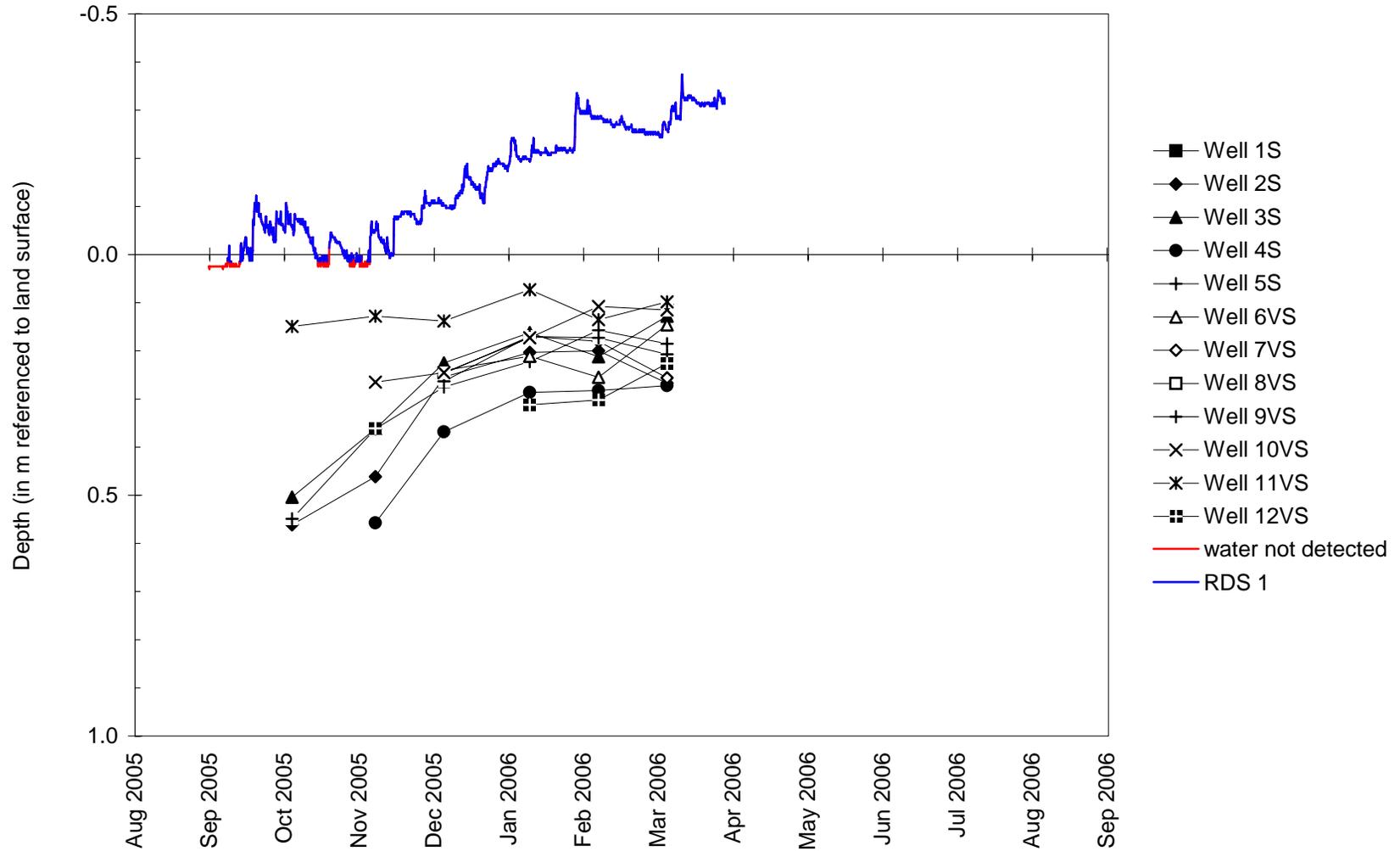
## Water-Level Elevations



# Gulfport Wetland Compensation Site

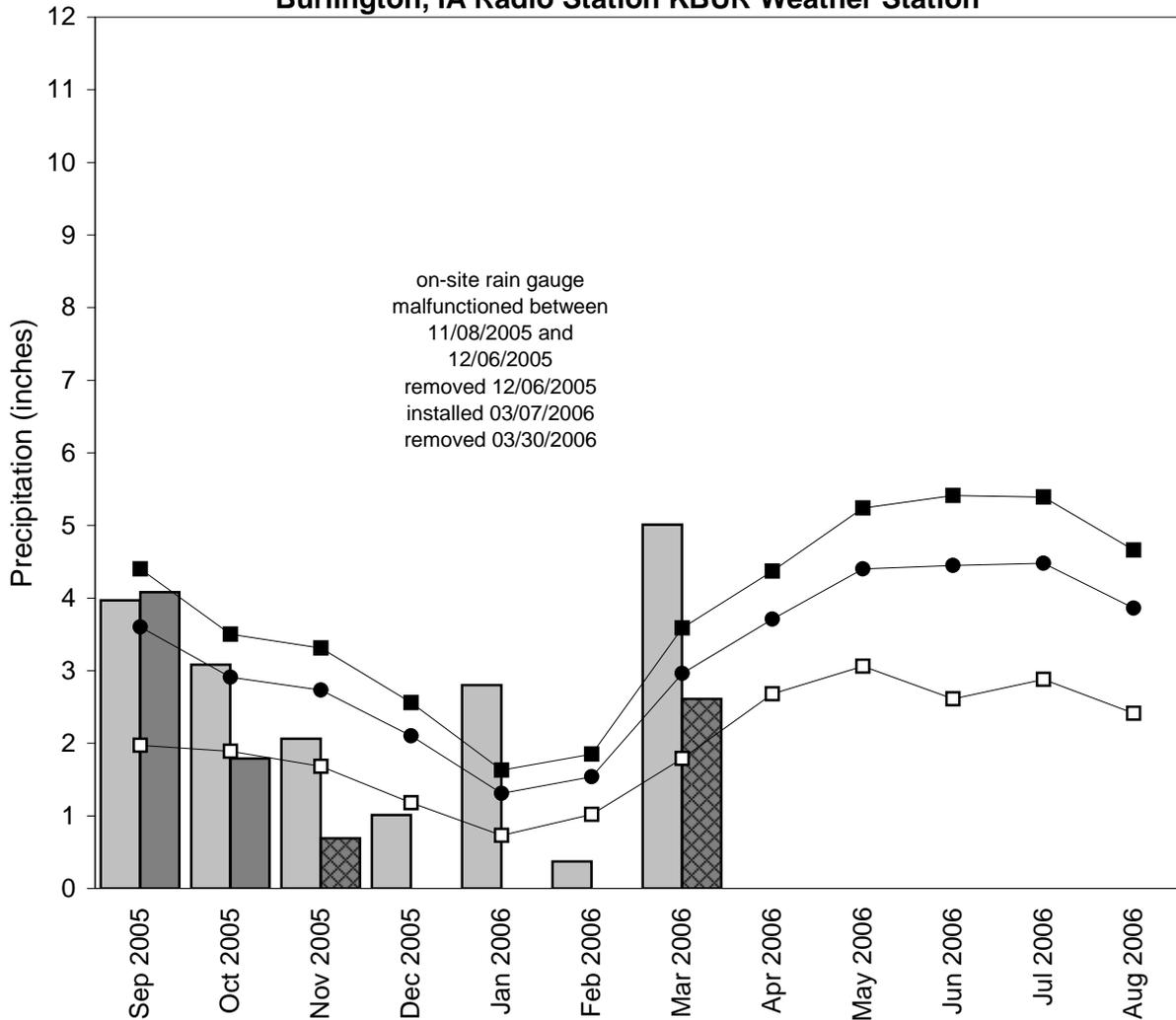
September 1, 2005 to September 1, 2006

## Depth to Water



## Gulfport Wetland Compensation Site September 2005 through August 2006

**Total Monthly Precipitation Recorded On Site and at the  
Burlington, IA Radio Station KBUR Weather Station**



- ▒ monthly precipitation recorded at weather station (Midwestern Regional Climate Center)
- monthly precipitation recorded on site by ISGS
- 1971-2000 monthly 30% above average threshold (National Water and Climate Center)
- 1971-2000 monthly average precipitation (National Water and Climate Center)
- 1971-2000 monthly 30% below average threshold (National Water and Climate Center)
- ▨ data incomplete

Weather station data after March 2006 are not graphed