JO DAVIESS
STEPHENSON
WINNEBAGO
BOONE
MC HENRY
LAKE
CARROLL
OGLE
DE KALB
KANE
COOK
WHITESIDE
LEE
DU PAGE
WILL
LA SALLE
BUREAU
KENDALL
GRUNDY
ROCK ISLAND
MERCER
HENRY
PUTNAM
KANKAKEE
KNOX
STARK
MARSHALL
LIVINGSTON
WARREN
PEORIA
IROQUOIS
WOODFORD
HENDERSON
MC LEAN
FULTON
HANCOCK
MC DONOUGH
FORD
TAZEWELL
VERMILION
MASON
CHAMPAIGN
SCHUYLER
LOGAN
DEWITT
ADAMS
BROWN
CASS
MENARD
PIATT
MACON
PIKE
MORGAN
DOUGLAS
EDGAR
SCOTT
MOULTRIE
CHRISTIAN
SHELBY
COLES
SANGAMON
GREENE
MACOUPIN
CLARK
CALHOUN
MONTGOMERY
CUMBERLAND
JERSEY
FAYETTE
EFFINGHAM
JASPER
CRAWFORD
MADISON
BOND
RICHLAND
LAWRENCE
MARION
CLINTON
CLAY
WAYNE
53
WASHINGTON
JEFFERSON
EDWARDS
WABASH
MONROE
ST. CLAIR
RANDOLPH
PERRY
HAMILTON
WHITE
FRANKLIN
JACKSON
SALINE
GALLATIN
WILLIAMSON
UNION
JOHNSON
POPE
HARDIN
ALEXANDER
PULASKI
MASSAC

FAIRMONT CITY, NEW RIVER CROSSING **ISGS #53**
POTENTIAL WETLAND COMPENSATION SITE
FAP 999
St. Clair County, near Fairmont City, Illinois
Primary Project Manager: Steven E. Benton
Secondary Project Manager: not assigned

SITE HISTORY

- August 1999: The ISGS conducted an Initial Site Evaluation. The results were reported to IDOT by letter in November.

- June 2000: IDOT requested that the ISGS perform a Level II investigation.

- September 2000: ISGS began monitoring ground- and surface-water levels.

- March 2003: A Level II report was submitted to IDOT (ISGS Open File Series 2003–04).

WETLAND HYDROLOGY CALCULATION FOR 2006

The area of the site that satisfied wetland hydrology criteria (Environmental Laboratory 1987) for more than 5% of the 2006 growing season was estimated to be 8.1 ha (20.0 ac) out of a total area of 32.4 ha (80.0 ac). The area that satisfied wetland hydrology criteria for more than 12.5% of the 2006 growing season was also estimated to be 8.1 ha (20.0 ac). These estimates are based on the following factors:

- According to the Midwestern Climate Center, the median date that the growing season begins in nearby Belleville, Illinois, is April 6 and the season lasts 199 days; 5% of the growing season is 10 days and 12.5% of the growing season is 25 days.

- Total precipitation recorded at the Belleville, Illinois weather station during the 2006 monitoring period was 36.35 inches, which was 93% of normal. Precipitation in September 2005, November 2005, and March 2006 was at or above normal. Total precipitation in the spring was 75% of normal.

- At gauge AR, surface-water elevation was at or above 122.00 m (400.26 ft) for both 5% and 12.5% of the growing season. At gauge D, surface-water elevation was at or above 122.22 m (400.98 ft) for both 5% and 12.5% of the growing season. At the Global data logger, surface-water elevation was at or above 121.65 m (399.11 ft) for both 5% and 12.5% of the growing season.

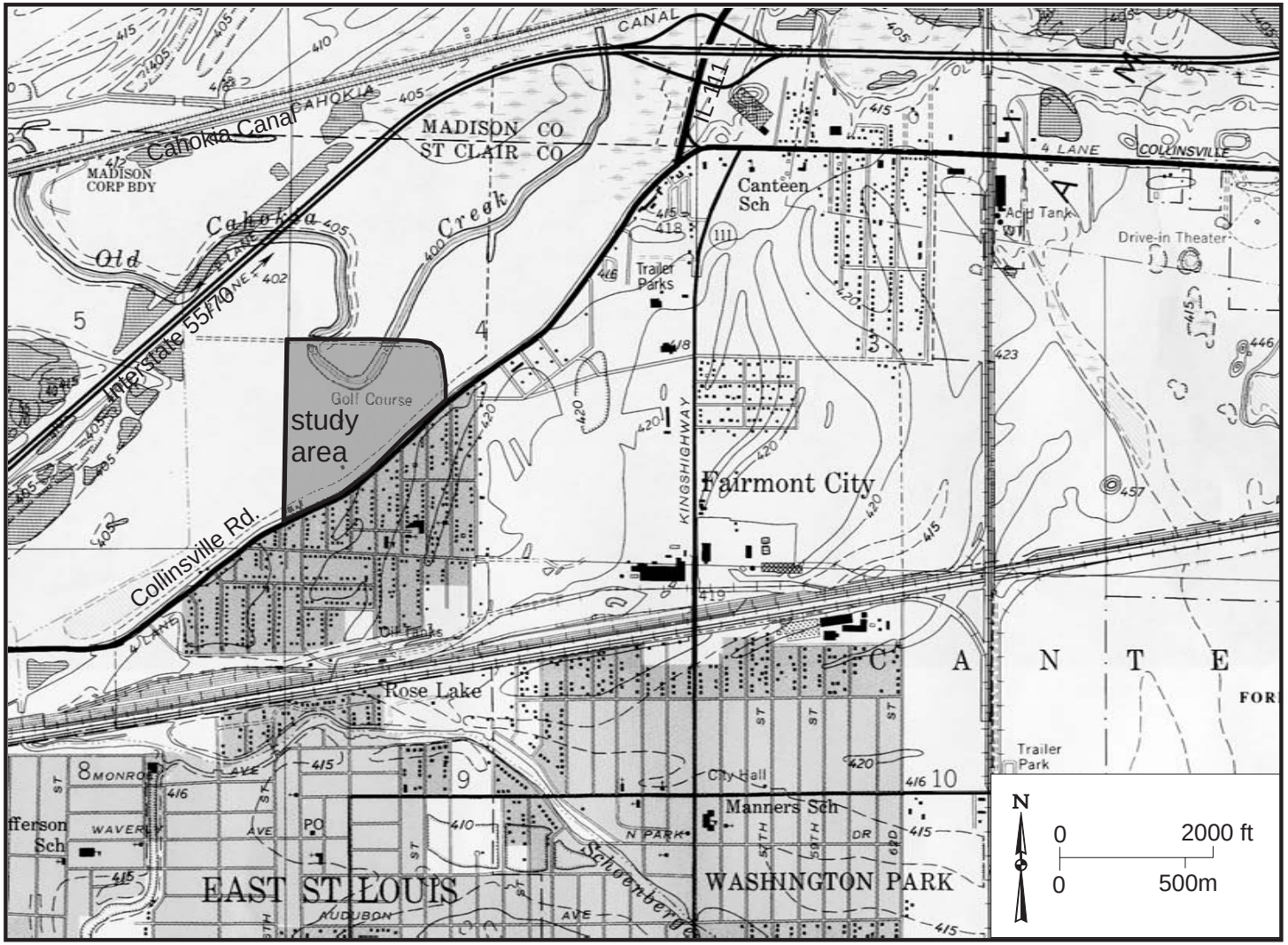
PLANNED FUTURE ACTIVITIES

- Monitoring will continue at this site until notified otherwise by IDOT.

Fairmont City, New River Crossing Potential Wetland Compensation Site (FAP 999)

General Study Area and Vicinity

from the USGS Topographic Series, Monks Mound, IL 7.5-minute Quadrangle (USGS 1993)

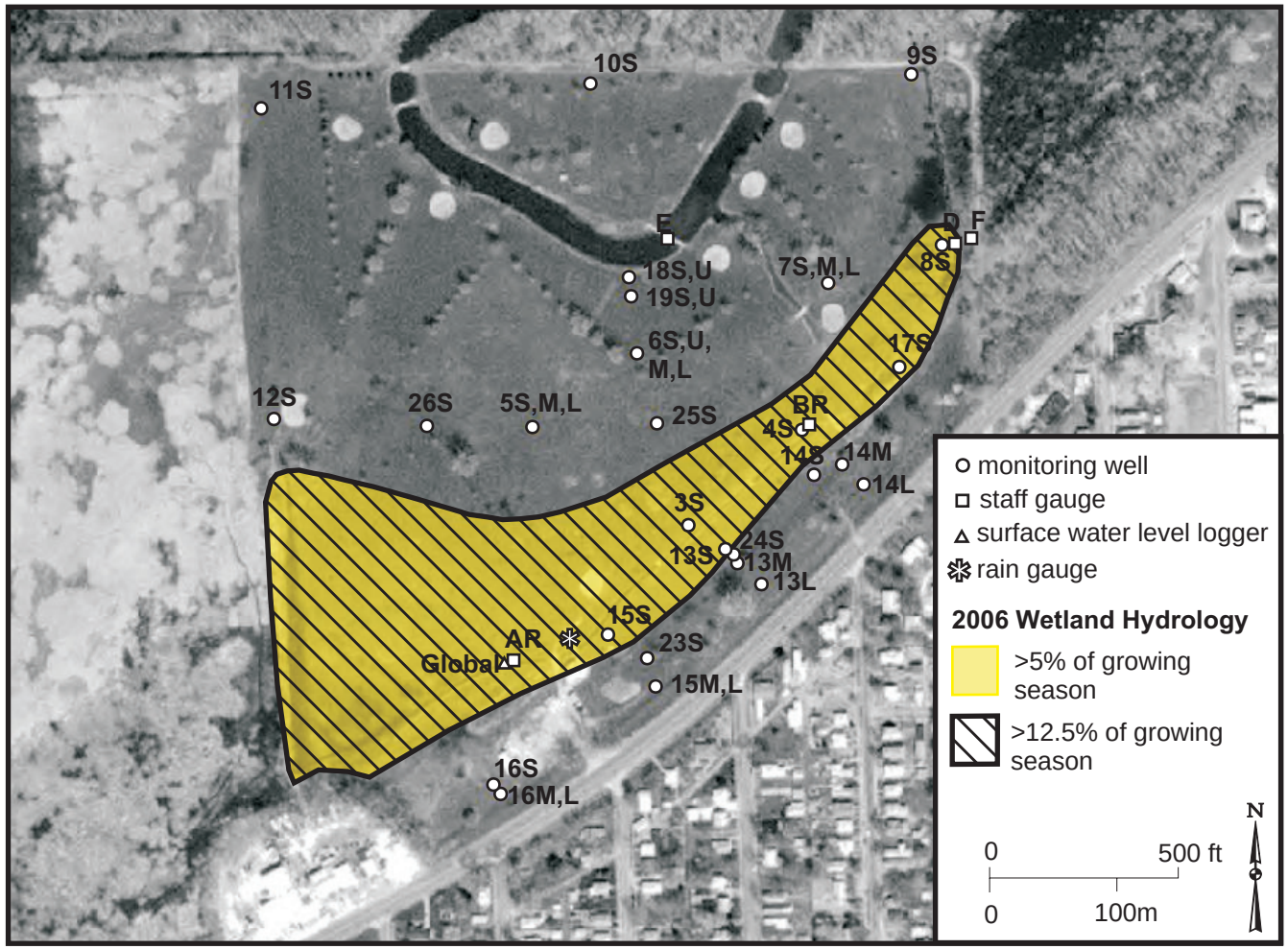


Fairmont City Potential Wetland Compensation Site
(FAP 999)

Estimated Areal Extent of 2006 Wetland Hydrology

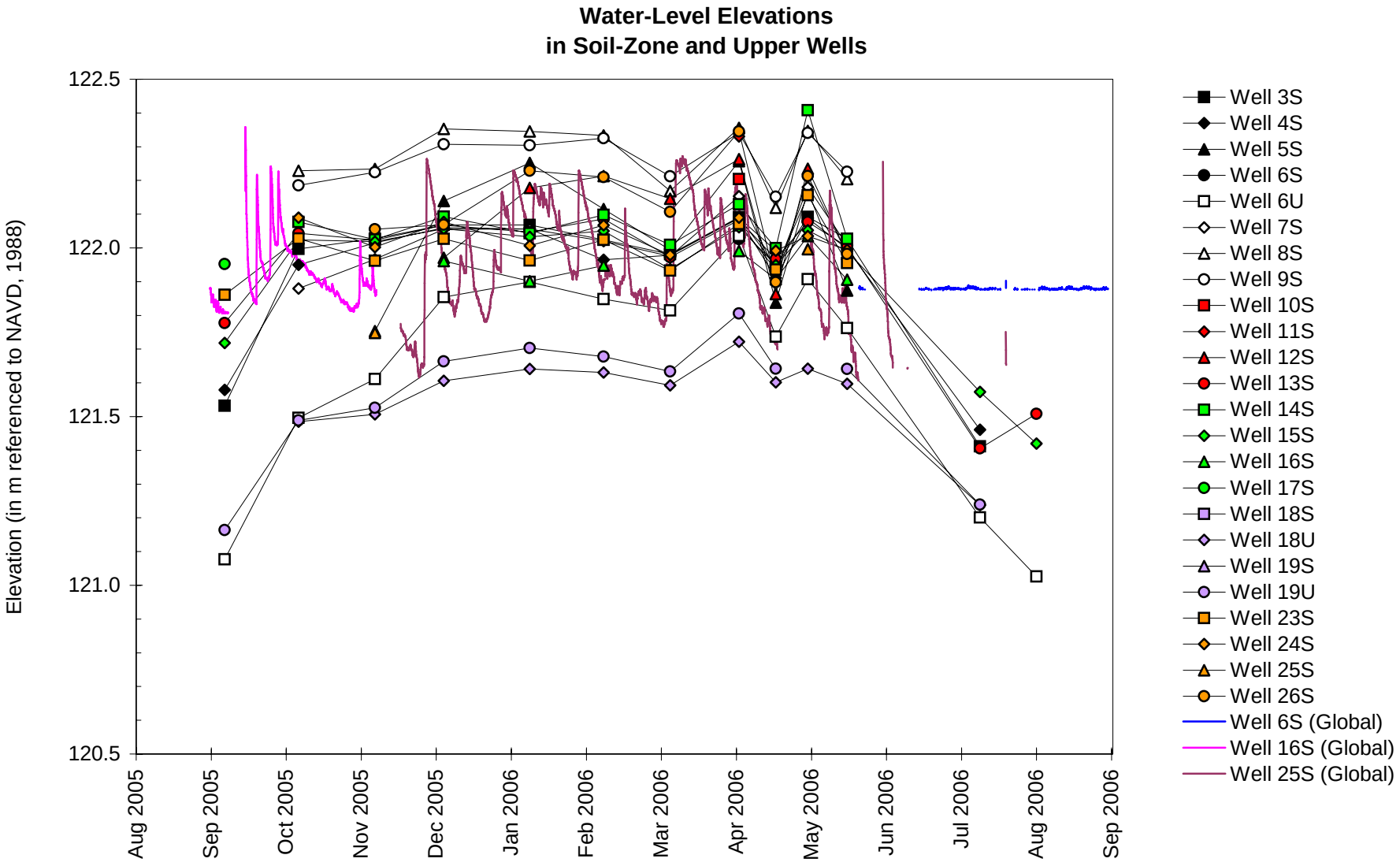
based on data collected between September 1, 2005 and September 1, 2006

Map based on USGS digital orthophotograph, Monks Mound SW quarter quadrangle
produced from 04/08/1999 aerial photography (ISGS 2001)
monitoring well, staff gauge and data logger locations from GPS survey



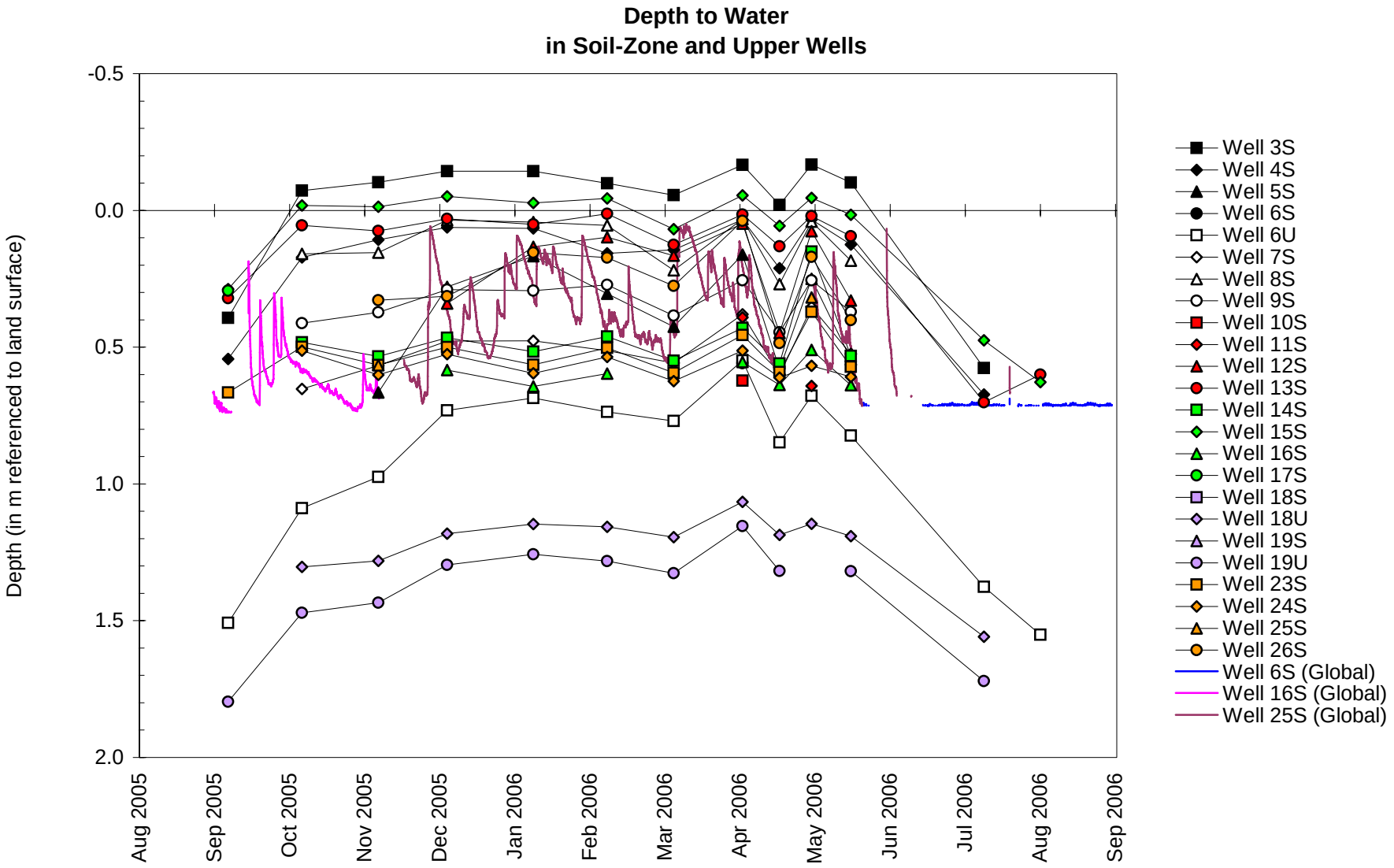
Fairmont City, New River Crossing Potential Wetland Compensation Site

September 1, 2005 to September 1, 2006



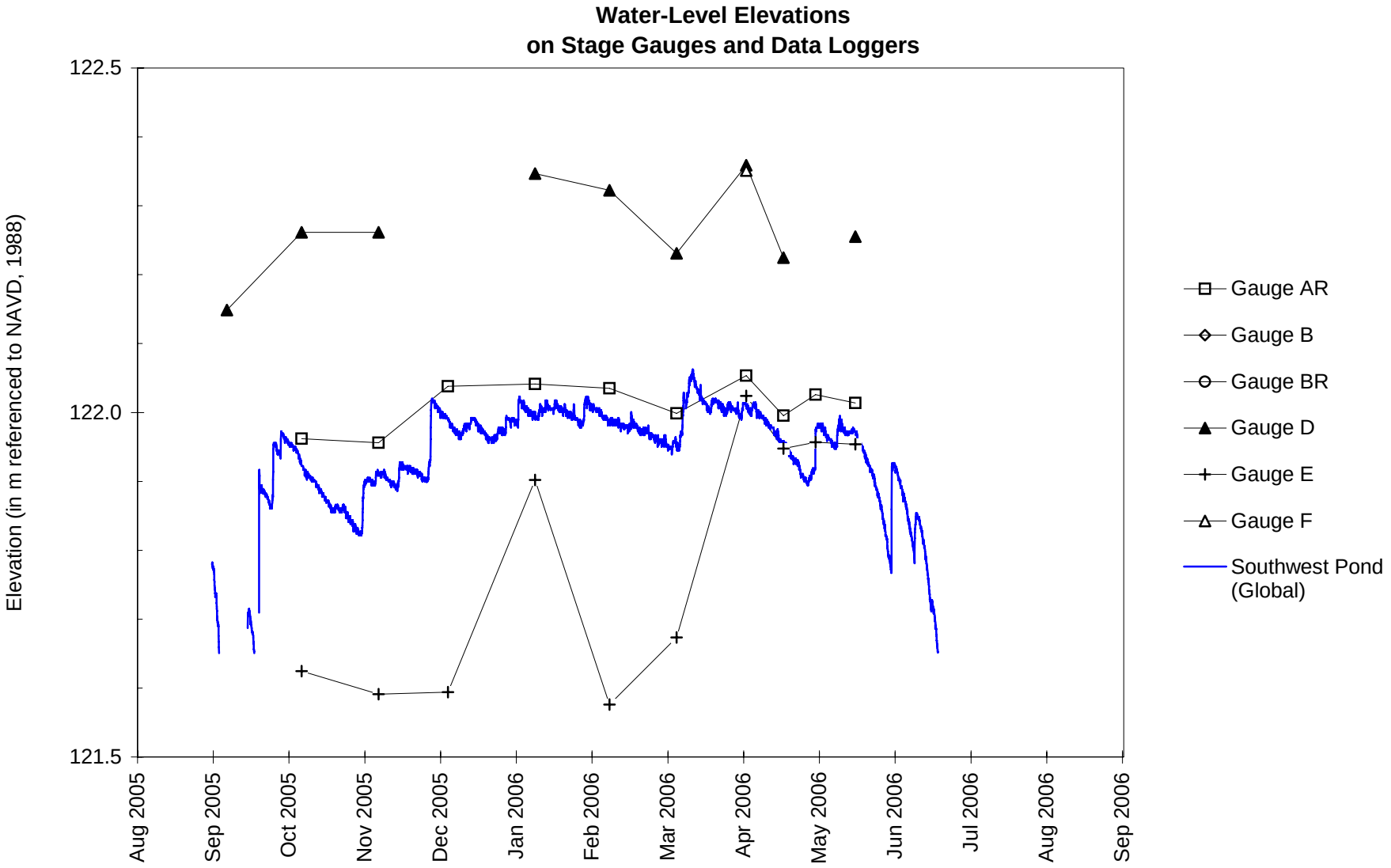
Fairmont City, New River Crossing Potential Wetland Compensation Site

September 1, 2005 to September 1, 2006

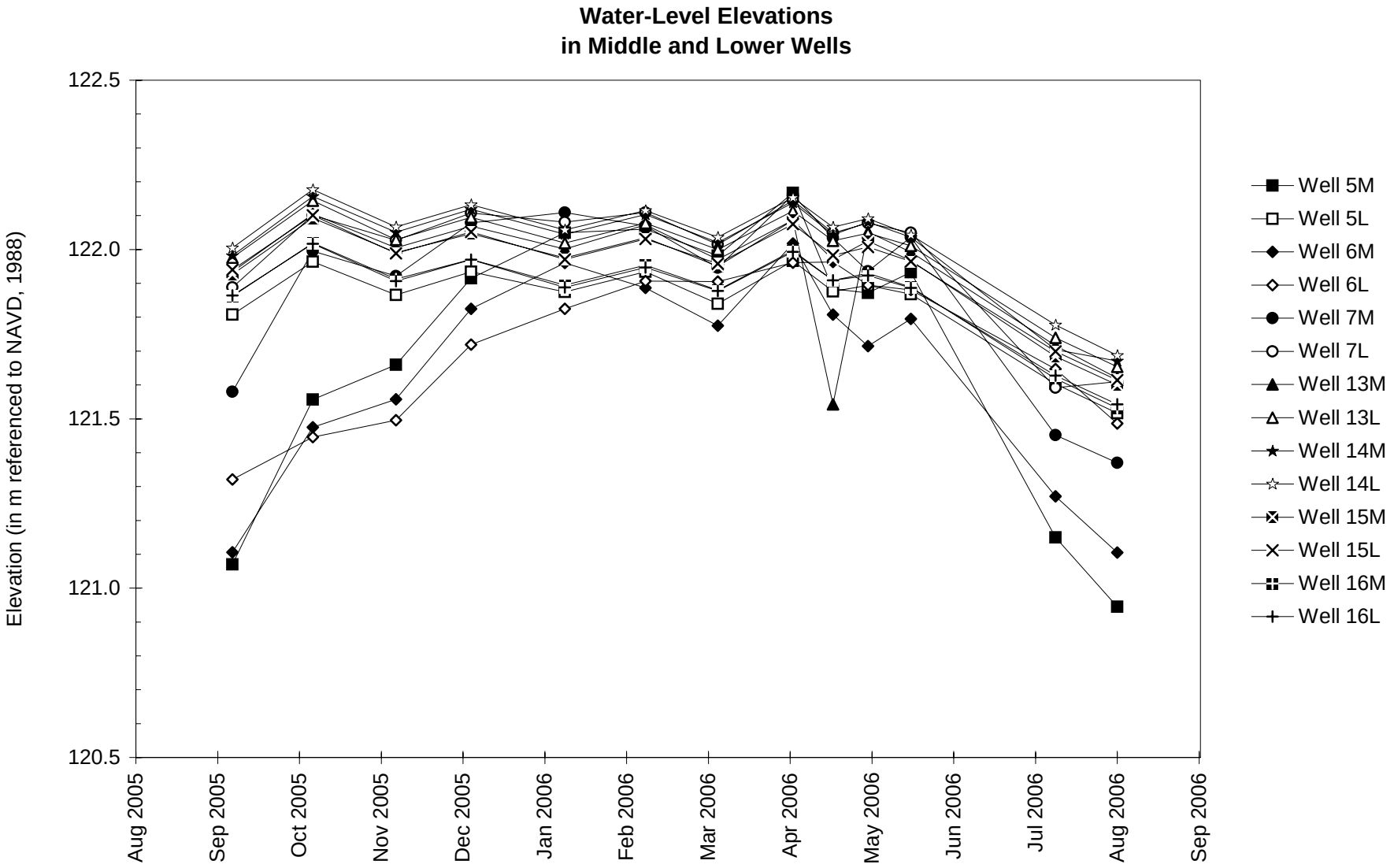


Fairmont City, New River Crossing Potential Wetland Compensation Site

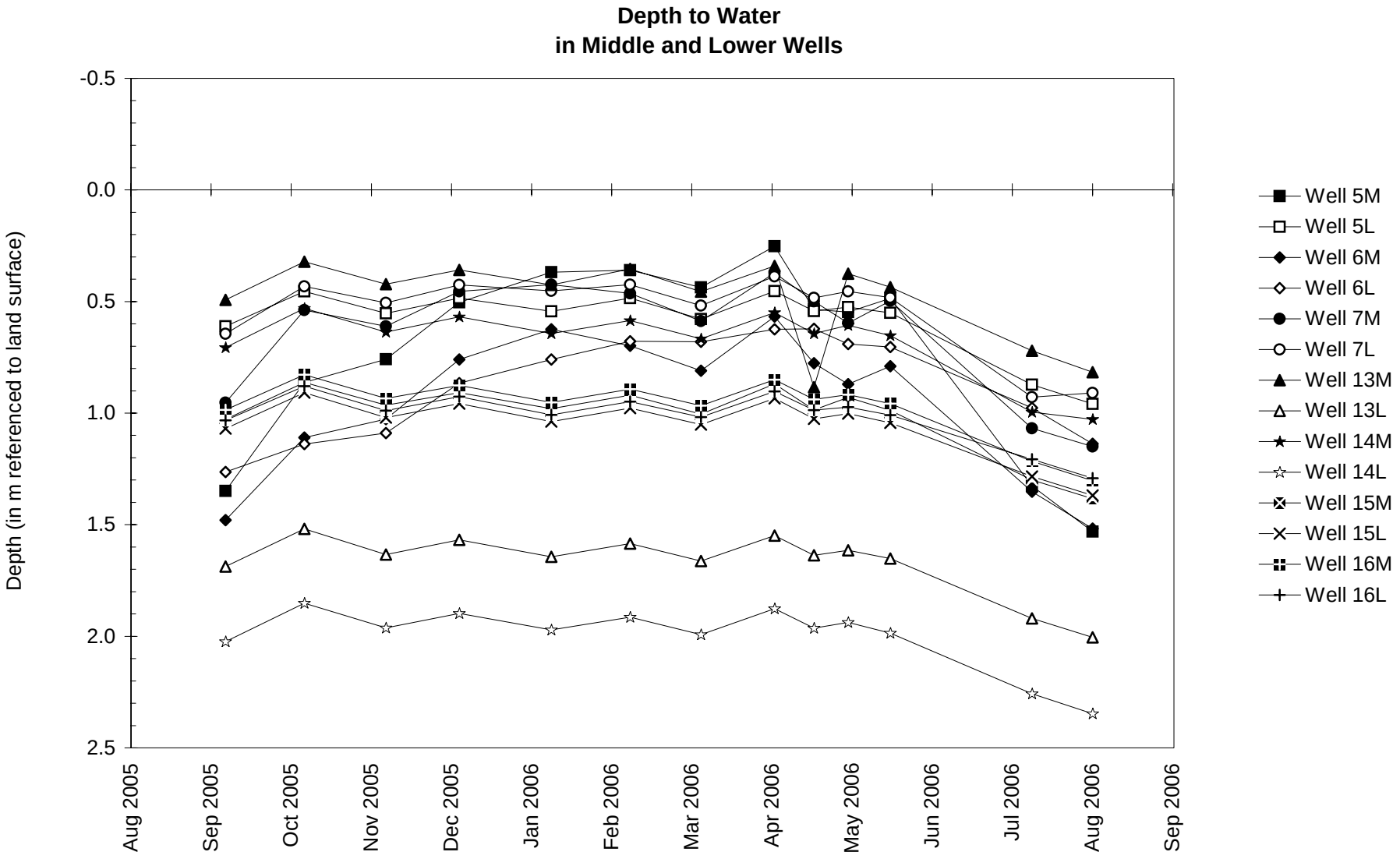
September 1, 2005 to September 1, 2006



Fairmont City, New River Crossing Potential Wetland Compensation Site
September 1, 2005 to September 1, 2006

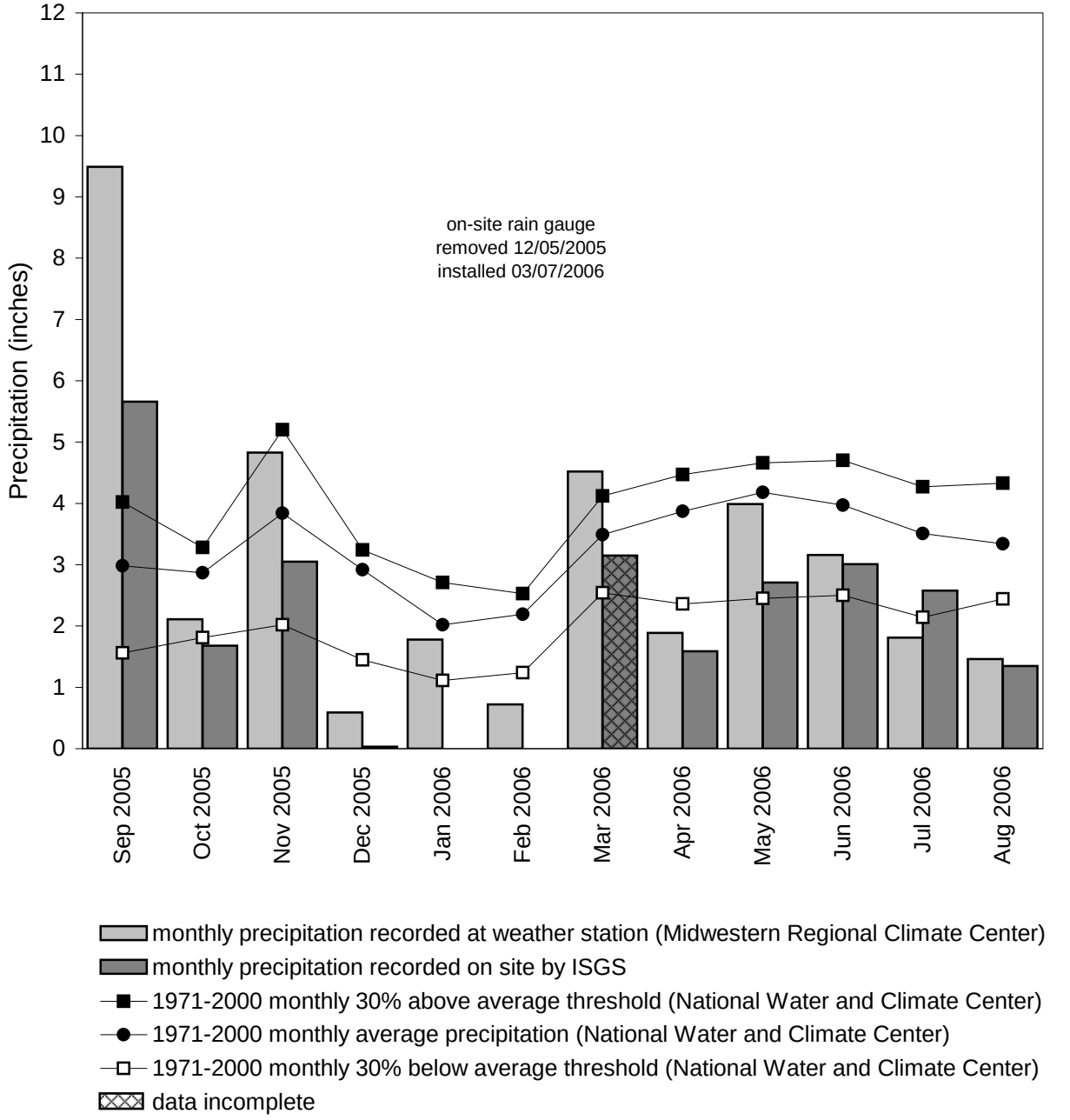


Fairmont City, New River Crossing Potential Wetland Compensation Site
September 1, 2005 to September 1, 2006



Fairmont City, New River Crossing
Potential Wetland Compensation Site
September 2005 through August 2006

Total Monthly Precipitation Recorded On Site and at the Belleville, IL SIU Research Center Weather Station



Graph last updated October 13, 2006