



Water-Data Report 2009

**05554000 NORTH FORK VERMILION RIVER NEAR CHARLOTTE, IL**

Lower Illinois Basin  
Vermilion Subbasin

LOCATION.--Lat 40°50'08", long 88°17'56" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.4, T.27 N., R.8 E., Livingston County, IL, Hydrologic Unit 07130002, at bridge on County Highway 3, 1.2 mi. northwest of Charlotte, and 5.5 mi. north of Chatsworth.

DRAINAGE AREA.--186 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.—

SURFACE-WATER DISCHARGE AND STAGE

DISCHARGE: October 1942 to September 1962.

PARTIAL RECORD: Annual maximum, water years 1963 to current.

BIOLOGICAL

ALGAE: Water year 1997.

BENTHIC MACROINVERTEBRATES: Water year 1997.

REVISED RECORDS.--

GAGE.--Crest-stage gage. Datum of gage is 638.00 ft. above NGVD of 1929 (Corps of Engineers benchmark) (637.76 ft NAVD 1988). Prior to Jan. 14, 1943, nonrecording gage at same site at datum 2.00 ft. higher. Jan 14, 1943 to Sept. 30, 1954, water-stage recorder at same site at datum 2 ft. higher.

REMARKS.--

EXTREMES FOR PERIOD OF RECORD.—

SURFACE-WATER DISCHARGE AND STAGE: Maximum discharge, 4,900 ft<sup>3</sup>/s March 11, 1990, gage height, 16.88 ft; maximum gage height, 17.09 ft, Oct. 3, 1986, discharge, 4,900 ft<sup>3</sup>/s; no flow for many days in several years.

**MAXIMUM PEAK DISCHARGE  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

| Date         | Discharge,<br>in ft <sup>3</sup> /s | Discharge<br>qualification<br>code | Gage height,<br>in ft | Gage height<br>qualification<br>code |
|--------------|-------------------------------------|------------------------------------|-----------------------|--------------------------------------|
| Dec 28, 2008 | 2,890                               | ---                                | 13.71                 | ---                                  |