**1949 Daily Values**

**ILLINOIS RIVER AT HARDIN, IL (ILHA/I H21)**

| | |
|---|---|
| Location: | LAT. 39-09-37, LONG. 90-36-57. AT MILE 21.5 ABOVE THE MOUTH OF THE ILLINOIS RIVER. |
| Gage: | G.O.E.S. TELEMETERED DATA COLLECTION PLATFORM WITH PRESSURE TRANSDUCER. OWNED, OPERATED AND MAINTAINED BY ST. LOUIS DISTRICT, CORPS OF ENGINEERS. NOTE: AUXILIARY VERTICAL STAFF TYPE GAGE ON SAME SITE. |
| General Information: | DRAINAGE AREA, 28,070 SQUARE MILES. FLOOD STAGE, 425.00 FEET. NOTE: LOCK & DAM 26 REACHED FULL POOL IN 1939 & AFFECTS ILLINOIS RIVER READINGS*. |
| Records Available: | STAGE, FEB. 1932 TO DATE, IN FILES OF CORPS OF ENGINEERS. PARTIAL RECORDS FROM 1878 THRU 1880. |
| Mean Elev: | PERIOD OF RECORD, 417.96 FT . 01 JAN 1939 TO DATE, 420.22 FT . |
| Extreme Elev: | PERIOD OF RECORD, DAILY HIGH OF 434.70 FT OCCURRING ON MULTIPLE DATES WITH THE MOST RECENT ON 25 MAY 1943 & PERIOD OF RECORD, DAILY LOW OF 407.33 FT ON 07 OCT 1879 . 01 JAN 1939 TO DATE, DAILY LOW OF 410.70 FT ON 01 FEB 1940 . |
| Zero Gage Datum: | 400.00 ft NGVD 29 NOTE: SUBTRACT DATUM FROM ELEVATION TO OBTAIN STAGE. |

ALL VALUES RECORDED AT 8AM. ELEVATION IN FT:

| | Month | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Day** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** |
| 1 | 419.00 | 425.00 | 423.90 | 420.90 | 419.30 | 419.60 | 419.50 | 419.60 | 418.60 | 418.80 | 419.20 | 418.70 |
| 2 | 419.20 | 425.40 | 423.70 | 421.20 | 419.30 | 419.40 | 419.50 | 419.50 | 418.70 | 418.70 | 419.10 | 418.80 |
| 3 | 419.10 | 425.30 | 423.60 | 421.20 | 419.10 | 419.80 | 419.50 | 419.70 | 418.90 | 418.70 | 418.80 | 418.90 |
| 4 | 419.10 | 425.30 | 423.40 | 421.30 | 418.90 | 419.50 | 419.40 | 419.40 | 419.10 | 418.70 | 418.70 | 419.10 |
| 5 | 419.30 | 425.30 | 423.20 | 421.30 | 419.30 | 419.30 | 419.30 | 419.40 | 419.00 | 418.80 | 418.60 | 418.80 |
| 6 | 419.20 | 425.30 | 423.00 | 421.20 | 419.50 | 419.30 | 419.10 | 419.50 | 418.90 | 419.10 | 418.80 | 418.70 |
| 7 | 419.20 | 425.20 | 422.90 | 421.20 | 419.40 | 419.30 | 419.00 | 419.30 | 418.70 | 419.40 | 419.00 | 419.10 |
| 8 | 419.60 | 425.20 | 422.80 | 421.10 | 419.40 | 418.90 | 419.10 | 419.20 | 418.60 | 419.50 | 419.00 | 418.90 |
| 9 | 419.70 | 423.20 | 422.80 | 421.10 | 419.60 | 419.00 | 419.40 | 418.90 | 418.70 | 419.20 | 419.00 | 418.80 |
| 10 | 419.50 | 423.30 | 422.60 | 421.00 | 419.30 | 419.00 | 419.40 | 418.80 | 418.70 | 419.10 | 418.90 | 418.90 |
| 11 | 419.80 | 422.80 | 422.50 | 420.90 | 419.30 | 418.90 | 419.50 | 419.00 | 418.80 | 419.10 | 419.00 | 418.90 |
| 12 | 420.00 | 421.70 | 422.60 | 420.70 | 419.50 | 419.20 | 419.40 | 419.30 | 419.20 | 419.30 | 418.90 | 419.00 |
| 13 | 420.20 | 421.40 | 422.50 | 420.40 | 419.40 | 419.10 | 419.50 | 419.40 | 419.20 | 419.20 | 418.80 | 418.80 |
| 14 | 419.50 | 421.50 | 422.40 | 420.20 | 419.20 | 419.30 | 419.50 | 419.20 | 419.30 | 418.90 | 418.70 | 418.80 |
| 15 | 419.60 | 421.80 | 422.20 | 419.90 | 419.20 | 419.30 | 419.30 | 419.30 | 419.20 | 418.80 | 418.70 | 418.90 |
| 16 | 419.80 | 422.10 | 422.00 | 419.70 | 419.30 | 419.60 | 419.40 | 419.30 | 418.90 | 418.80 | 418.80 | 419.20 |
| 17 | 419.90 | 422.10 | 421.60 | 419.80 | 419.30 | 419.70 | 419.30 | 419.10 | 419.00 | 418.90 | 418.80 | 419.20 |
| 18 | 419.90 | 422.10 | 420.90 | 419.60 | 419.50 | 419.60 | 419.30 | 418.60 | 418.80 | 418.90 | 418.70 | 419.10 |
| 19 | 420.30 | 422.30 | 420.50 | 419.60 | 419.30 | 419.50 | 419.10 | 418.60 | 418.80 | 418.90 | 418.80 | 418.90 |
| 20 | 419.90 | 422.40 | 420.20 | 419.50 | 419.20 | 419.60 | 419.40 | 418.60 | 418.90 | 419.10 | 418.90 | 419.20 |
| 21 | 419.90 | 422.50 | 420.20 | 419.50 | 419.30 | 419.40 | 420.50 | 419.20 | 418.90 | 419.50 | 418.80 | 419.50 |
| 22 | 420.00 | 423.40 | 420.50 | 419.70 | 419.50 | 419.50 | 419.80 | 418.90 | 418.80 | 419.80 | 418.80 | 421.40 |
| 23 | 420.10 | 423.60 | 420.30 | 419.60 | 419.30 | 419.50 | 420.00 | 418.80 | 418.90 | 419.80 | 418.90 | 421.40 |
| 24 | 421.00 | 423.80 | 420.30 | 419.60 | 419.60 | 420.10 | 419.90 | 418.70 | 419.00 | 419.40 | 418.90 | 421.10 |
| 25 | 421.00 | 424.00 | 420.50 | 419.60 | 419.40 | 419.60 | 419.70 | 418.60 | 419.00 | 419.20 | 418.80 | 420.90 |
| 26 | 420.80 | 424.00 | 420.80 | 419.70 | 419.50 | 419.70 | 419.30 | 418.70 | 418.90 | 419.30 | 418.90 | 420.80 |
| 27 | 420.70 | 423.90 | 420.80 | 419.70 | 419.40 | 420.00 | 419.40 | 418.80 | 418.80 | 419.20 | 418.80 | 421.10 |
| 28 | 421.40 | 423.90 | 421.00 | 419.60 | 419.60 | 419.50 | 419.20 | 419.00 | 418.90 | 419.20 | 419.00 | 421.10 |
| 29 | 421.40 | ---- | 420.80 | 419.60 | 419.60 | 419.60 | 419.20 | 419.00 | 418.80 | 418.80 | 419.30 | 421.10 |
| 30 | 422.20 | ---- | 420.60 | 419.30 | 419.50 | 419.30 | 419.60 | 418.90 | 418.80 | 418.70 | 419.00 | 421.20 |
| 31 | 424.30 | ---- | 420.70 | ---- | 419.50 | ---- | 419.60 | 418.90 | ---- | 419.10 | ---- | 421.30 |
| The following statistics are based on observations occuring in 1949 only. | | | | | | | | | | | | |
| **Mean** | 420.15 | 423.49 | 421.80 | 420.26 | 419.37 | 419.44 | 419.45 | 419.07 | 418.89 | 419.09 | 418.88 | 419.66 |
| **Max** | 424.30 | 425.40 | 423.90 | 421.30 | 419.60 | 420.10 | 420.50 | 419.70 | 419.30 | 419.80 | 419.30 | 421.40 |
| **Min** | 419.00 | 421.40 | 420.20 | 419.30 | 418.90 | 418.90 | 419.00 | 418.60 | 418.60 | 418.70 | 418.60 | 418.70 |
| **Day** | 31 | 28 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 |

The Mean ELEV for the Year was: 419.94
The Highest ELEV for the Year was: 425.40 which occured on: 02-02-1949
The Lowest ELEV for the Year was: 418.60 which occured on: 11-05-1949 09-08-1949 09-01-1949 08-25-1949 08-20-1949 etc... (See table for more occurences). The Total Number of Days for the Year was: 365

NOTICE: All data contained herein is preliminary in nature and therefore subject to change. The data is for general information purposes ONLY and SHALL NOT be used in technical applications such as, but not limited to, studies or designs. All critical data should be obtained from and verified by the United States Army Corps of Engineers. The United States Government assumes no liability for the completeness or accuracy of the data contained herein and any use of such data inconsistent with this disclaimer shall be solely at the risk of the user.