

04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY

Oswego Basin
Seneca Subbasin

LOCATION.--Lat 43°04'20", long 77°17'45" referenced to North American Datum of 1927, Wayne County, NY, Hydrologic Unit 04140201, on left bank in Macedon, 500 ft downstream from headgate in old Erie Canal, 700 ft downstream from bridge on State Highway 350, 0.2 mi downstream from Lock 30, and 2.6 mi upstream from Ganargua Creek.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1919 to December 1920, October 1950 to September 1977, October 1977 to current year (navigation seasons only). Prior to October 1956, published as "Barge Canal at Lock 30, Macedon."

REVISED RECORDS.--WSP 1237: 1951

GAGE.--Water-stage recorder. Datum of gage is 447.58 ft above NGVD of 1929. Nov. 1, 1919 to Dec. 28, 1920, nonrecording gage at same site at different datum.

COOPERATION.--Records of gate openings, lockages, lock-valve openings, and elevations of water surface in Erie (Barge) Canal upstream and downstream from Lock 30 furnished by New York State Canal Corporation.

REMARKS.--Records good except those for estimated daily discharges, which are poor. This record represents net diversion from Niagara River basin into Oswego River basin through Erie (Barge) Canal. During the non-navigation period, when the pool upstream from Lock 30 is drained, discharge consists of leakage through guard gates, runoff from small areas tributary to canal upstream from station, or diversion for use downstream in the Canal system.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 874 ft³/s, Dec 3, 1969, maximum instantaneous discharge not determined; no significant flow at times in many years.

04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------|-------|------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|
| 1 | 274 | e214 | --- | --- | --- | --- | --- | 175 | 246 | 213 | 263 | 276 |
| 2 | 276 | e204 | --- | --- | --- | --- | --- | 176 | 241 | 203 | 262 | 263 |
| 3 | 278 | e212 | --- | --- | --- | --- | --- | 179 | 239 | 201 | 267 | 271 |
| 4 | 280 | e204 | --- | --- | --- | --- | --- | 172 | 244 | 196 | 268 | 277 |
| 5 | 275 | e204 | --- | --- | --- | --- | --- | 167 | 243 | 222 | 286 | 275 |
| 6 | 278 | e202 | --- | --- | --- | --- | --- | 169 | 245 | 221 | 291 | 283 |
| 7 | 283 | e204 | --- | --- | --- | --- | --- | 174 | 250 | 214 | 290 | 278 |
| 8 | 260 | e204 | --- | --- | --- | --- | --- | 172 | 253 | 222 | 286 | 285 |
| 9 | 269 | e192 | --- | --- | --- | --- | --- | 169 | 246 | 209 | 294 | 295 |
| 10 | 260 | e194 | --- | --- | --- | --- | --- | 174 | 263 | 205 | 292 | 298 |
| 11 | 265 | e192 | --- | --- | --- | --- | --- | 177 | 247 | 216 | 293 | 291 |
| 12 | 255 | e202 | --- | --- | --- | --- | --- | 175 | 231 | 317 | 304 | 301 |
| 13 | e257 | e194 | --- | --- | --- | --- | --- | 170 | 234 | 441 | 326 | 293 |
| 14 | e247 | e197 | --- | --- | --- | --- | --- | 174 | 226 | 382 | 301 | 302 |
| 15 | e252 | e192 | --- | --- | --- | --- | --- | 182 | 223 | 333 | 303 | 313 |
| 16 | e247 | e199 | --- | --- | --- | --- | --- | 187 | 232 | 301 | 322 | 298 |
| 17 | e244 | e180 | --- | --- | --- | --- | --- | 182 | 240 | 283 | 320 | 236 |
| 18 | e227 | e170 | --- | --- | --- | --- | --- | 180 | 268 | 271 | 312 | 220 |
| 19 | e224 | e140 | --- | --- | --- | --- | --- | 182 | 237 | 270 | 305 | 224 |
| 20 | e229 | e80 | --- | --- | --- | --- | --- | 182 | 231 | 280 | 312 | 219 |
| 21 | e232 | e100 | --- | --- | --- | --- | --- | 176 | 236 | 295 | 285 | 227 |
| 22 | e234 | e140 | --- | --- | --- | --- | --- | 185 | 241 | 276 | 300 | 216 |
| 23 | e274 | e170 | --- | --- | --- | --- | --- | 187 | 224 | 290 | 294 | 219 |
| 24 | e302 | e150 | --- | --- | --- | --- | --- | 189 | 240 | 285 | 296 | 224 |
| 25 | e307 | e120 | --- | --- | --- | --- | --- | 80 | 220 | 235 | 278 | 229 |
| 26 | e304 | e30 | --- | --- | --- | --- | e150 | 255 | 218 | 283 | 296 | 227 |
| 27 | e272 | --- | --- | --- | --- | --- | 153 | 248 | 217 | 284 | 293 | 224 |
| 28 | e242 | --- | --- | --- | --- | --- | 159 | 264 | 216 | 276 | 270 | 212 |
| 29 | e232 | --- | --- | --- | --- | --- | 167 | 247 | 211 | 284 | 278 | 214 |
| 30 | e222 | --- | --- | --- | --- | --- | 175 | 259 | 208 | 283 | 280 | 227 |
| 31 | e222 | --- | --- | --- | --- | --- | --- | 249 | --- | 268 | 282 | --- |
| Total | 8,023 | --- | --- | --- | --- | --- | --- | 5,997 | 7,085 | 8,302 | 9,067 | 7,717 |
| Mean | 259 | --- | --- | --- | --- | --- | --- | 193 | 236 | 268 | 292 | 257 |
| Max | 307 | --- | --- | --- | --- | --- | --- | 264 | 268 | 441 | 326 | 313 |
| Min | 222 | --- | --- | --- | --- | --- | --- | 167 | 208 | 196 | 262 | 212 |