

**Appendix G4. Simulated End-of-Month Water Storage
on Reservoir Islands for the Delta
Wetlands Project Alternatives**

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This appendix presents end-of-month water storage volumes simulated by the Delta Standards and Operations Simulation model (DeltaSOS) for the Delta Wetlands (DW) reservoir islands under Alternatives 1, 2, and 3 and cumulative conditions for Alternatives 1, 2, and 3. End-of-month water storage volumes do not include water diverted under existing DW appropriative and riparian water rights and therefore do not include water volumes that may be used to create shallow-water wetlands. Appendix A2, "DeltaSOS: Delta Standards and Operations Simulation Model", describes the DeltaSOS model, and Appendix A3, "DeltaSOS Simulations of the Delta Wetlands Project Alternatives", presents complete DeltaSOS simulation results for the DW project alternatives.

In DeltaSOS simulations of Alternatives 1 and 2, the maximum storage volume of the two reservoir islands is 238 thousand acre-feet (TAF), the maximum monthly average DW diversion rate is 4,000 cubic feet per second (cfs), and the maximum monthly average DW discharge rate from the reservoir islands is 4,000 cfs. The simulations are based on the assumption that under Alternative 1, DW discharges to export would be allowed only up to the export limit defined in the 1995 Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary (WQCP), and under Alternative 2, discharges for export would not be subject to strict interpretation of the 1995 WQCP export limit. Operations under both alternatives were assumed in the DeltaSOS modeling to be subject to the limitations described in detail in Chapter 2, "Delta Wetlands Project Alternatives".

Under Alternative 3, water would be diverted for storage on all four DW project islands. In DeltaSOS simulations of Alternative 3, the maximum storage volume of the reservoir islands is assumed to be 406 TAF, the maximum monthly average DW diversion rate is 7,000 cfs, and the maximum monthly average DW discharge rate is 6,000 cfs. Assumptions regarding opera-

ting criteria are the same as those used in simulations of Alternative 2.

The data in Tables G4-1 through G4-6 were used to predict future vegetation and mosquito breeding conditions on the DW reservoir islands, as reported in Appendix G2, "Prediction of Vegetation on the Delta Wetlands Reservoir Islands", and Chapter 3N, "Mosquitos and Public Health".

Table G4-1. Simulated End-of-Month Storage Volumes (TAF) on Reservoir Islands under Alternative 1

| Water Year | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 0 | 0 | 107 | 232 | 238 | 238 | 234 | 238 | 238 | 0 | 0 | 0 |
| 1923 | 238 | 238 | 238 | 238 | 14 | 11 | 7 | 1 | 0 | 5 | 4 | 0 |
| 1924 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 222 | 219 | 215 | 209 | 192 | 190 | 9 | (0) |
| 1926 | 0 | 0 | 0 | 53 | 238 | 235 | 231 | 196 | 189 | 186 | (0) | 0 |
| 1927 | 0 | 238 | 212 | 238 | 238 | 238 | 234 | 191 | 176 | (0) | 0 | 0 |
| 1928 | 0 | 238 | 238 | 238 | 236 | 238 | 234 | 191 | 176 | 173 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 238 | 236 | 221 | 151 | 121 | 114 | 33 | (0) | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 53 | 150 | 148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 123 | 122 | 113 | 69 | 37 | 27 | (0) | 0 | 0 |
| 1935 | 0 | 0 | 0 | 238 | 236 | 233 | 238 | 162 | 155 | 153 | 8 | (0) |
| 1936 | 0 | 0 | 0 | 238 | 238 | 238 | 234 | 227 | 185 | 183 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 222 | 238 | 234 | 227 | 52 | (0) | 0 | 0 |
| 1938 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | (0) | 0 | 164 |
| 1939 | 238 | 238 | 238 | 237 | 235 | 232 | 188 | 152 | 145 | 142 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 189 | 147 | 144 | 76 | (0) |
| 1941 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 231 | (0) | 0 | 0 |
| 1942 | 238 | 238 | 238 | 238 | 238 | 235 | 238 | 238 | 231 | (0) | 0 | 0 |
| 1943 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 119 | 61 | (0) | 0 | 0 |
| 1944 | 0 | 0 | 104 | 103 | 43 | 40 | (0) | 0 | 0 | 5 | 0 | 0 |
| 1945 | 0 | 0 | 238 | 238 | 238 | 238 | 234 | 217 | 210 | 72 | 0 | 0 |
| 1946 | 0 | 215 | 238 | 238 | 14 | 11 | 7 | (0) | 0 | 5 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 11 | 8 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 234 | 138 | 131 | 53 | 0 | (0) |
| 1950 | 0 | 0 | 0 | 205 | 238 | 235 | 231 | 187 | 180 | 177 | 174 | 0 |
| 1951 | 0 | 238 | 238 | 238 | 238 | 238 | 234 | 227 | 185 | 183 | 44 | (0) |
| 1952 | 0 | 71 | 232 | 238 | 238 | 238 | 238 | 238 | 238 | 61 | 0 | 238 |
| 1953 | 238 | 238 | 238 | 238 | 215 | 212 | 207 | 201 | 194 | (0) | 0 | 0 |
| 1954 | 201 | 238 | 173 | 238 | 238 | 238 | 238 | 198 | 182 | 180 | 72 | (0) |
| 1955 | 0 | 6 | 233 | 238 | 233 | 230 | 225 | 219 | 212 | 209 | 206 | (0) |
| 1956 | 0 | 206 | 238 | 238 | 238 | 238 | 234 | 238 | 231 | 55 | (0) | 12 |
| 1957 | 238 | 238 | 0 | 0 | 174 | 238 | 182 | 176 | 161 | 158 | 155 | (0) |
| 1958 | 160 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 229 |
| 1959 | 238 | 238 | 36 | 238 | 238 | 70 | (0) | 0 | 0 | 5 | 0 | 0 |
| 1960 | 0 | 0 | 2 | (0) | 145 | 142 | 70 | 39 | 32 | 29 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 205 | 202 | 129 | 98 | 91 | 88 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 222 | 219 | 135 | 93 | 86 | 83 | (0) | 0 |
| 1963 | 238 | 238 | 225 | 238 | 238 | 238 | 238 | 238 | 231 | 153 | (0) | 0 |
| 1964 | 105 | 238 | 148 | 238 | 221 | 218 | 177 | 142 | 135 | 132 | 129 | 0 |
| 1965 | 0 | 0 | 238 | 238 | 238 | 231 | 238 | 168 | 126 | 123 | (0) | 0 |
| 1966 | 39 | 238 | 238 | 238 | 236 | 233 | 229 | 133 | 126 | 123 | 80 | 0 |
| 1967 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 231 |
| 1968 | 238 | 238 | 238 | 238 | 238 | 238 | 196 | 113 | 106 | 103 | (0) | 0 |
| 1969 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 205 | 0 | 238 |
| 1970 | 238 | 238 | 238 | 238 | 44 | 238 | 224 | 215 | 208 | 205 | 0 | 0 |
| 1971 | 0 | 238 | 238 | 238 | 238 | 238 | 229 | 238 | 231 | 228 | (0) | 0 |
| 1972 | 151 | 238 | 225 | 238 | 236 | 238 | 196 | 161 | 154 | 151 | 148 | 0 |
| 1973 | 0 | 238 | 222 | 238 | 238 | 238 | 234 | 227 | 185 | 172 | 0 | 0 |
| 1974 | 0 | 238 | 238 | 238 | 238 | 238 | 234 | 232 | 225 | 24 | 0 | 179 |
| 1975 | 0 | 238 | 238 | 238 | 238 | 238 | 234 | 238 | 231 | 129 | 0 | 44 |
| 1976 | 238 | 238 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 232 | 210 | (0) | 0 | 0 |
| 1979 | 186 | 196 | 0 | 238 | 238 | 238 | 234 | 227 | 185 | 34 | 0 | 0 |
| 1980 | 0 | 175 | 237 | 238 | 238 | 238 | 234 | 227 | 190 | 0 | 0 | 0 |
| 1981 | 176 | 165 | 238 | 238 | 236 | 238 | 193 | 110 | 103 | 101 | 0 | 0 |
| 1982 | 0 | 238 | 216 | 238 | 238 | 238 | 238 | 238 | 233 | 64 | (0) | 238 |
| 1983 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | (0) | 238 |
| 1984 | 238 | 238 | 238 | 238 | 238 | 238 | 234 | 227 | 220 | 170 | (0) | 0 |
| 1985 | 186 | 238 | 238 | 237 | 235 | 232 | 182 | 148 | 141 | 138 | 72 | (0) |
| 1986 | 0 | 0 | 24 | 176 | 238 | 238 | 238 | 232 | 225 | (0) | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 68 | 12 | (0) | 0 | 5 | 0 | 0 |
| 1988 | 0 | 0 | 2 | 236 | 235 | 232 | 192 | 160 | 153 | (0) | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 232 | 227 | 170 | 163 | 161 | 158 | 0 |
| 1990 | 0 | 0 | 0 | 61 | 59 | 56 | 12 | (0) | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average | 65 | 105 | 122 | 162 | 175 | 181 | 167 | 148 | 135 | 75 | 23 | 26 |

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Table G4-2. Simulated End-of-Month Storage Volumes (TAF) on Reservoir Islands under Alternative 2

| Water Year | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 0 | 0 | 107 | 232 | 238 | 238 | 234 | 238 | 238 | 0 | 0 | 0 |
| 1923 | 238 | 238 | 238 | 238 | 14 | 0 | 0 | 0 | 0 | 5 | 4 | 0 |
| 1924 | 0 | 0 | 0 | 3 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 222 | 15 | 11 | 4 | 0 | 5 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 53 | 238 | (0) | 0 | 0 | 0 | 5 | 0 | 0 |
| 1927 | 0 | 238 | 229 | 238 | 238 | 238 | 238 | 232 | 0 | 5 | 0 | 0 |
| 1928 | 0 | 238 | 238 | 238 | 201 | 238 | 234 | 204 | (0) | 5 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 238 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 53 | 150 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 238 | 14 | 0 | 111 | 60 | (0) | 5 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 238 | 238 | 238 | 234 | 202 | (0) | 5 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 222 | 238 | 238 | 76 | (0) | 0 | 0 | 0 |
| 1938 | 0 | 238 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 164 |
| 1939 | 238 | 238 | 238 | 188 | 0 | 0 | 0 | 0 | 238 | 5 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 204 | 0 | 5 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 62 | 0 | 0 | 0 |
| 1942 | 238 | 238 | 238 | 238 | 238 | 226 | 238 | 238 | 231 | (0) | 0 | 0 |
| 1943 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 140 | 0 | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 1945 | 0 | 0 | 104 | 103 | 238 | 238 | 200 | 152 | 145 | 7 | (0) | 0 |
| 1946 | 0 | 215 | 238 | 238 | 14 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 4 | 5 | 4 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 234 | 169 | (0) | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 238 | 68 | 38 | 31 | 28 | 25 | 0 |
| 1951 | 0 | 238 | 0 | 205 | 238 | 73 | 224 | 217 | 0 | 5 | 0 | 0 |
| 1952 | 0 | 71 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 61 | 0 | 238 |
| 1953 | 238 | 238 | 238 | 238 | 170 | 9 | 4 | 0 | 0 | 5 | 0 | 0 |
| 1954 | 201 | 238 | 199 | 238 | 238 | 238 | 238 | 210 | 0 | 5 | 0 | 0 |
| 1955 | 0 | 6 | 233 | 238 | 116 | 0 | 0 | 0 | 0 | 5 | 4 | 0 |
| 1956 | 0 | 206 | 238 | 238 | 238 | 238 | 225 | 238 | 231 | 55 | (0) | 12 |
| 1957 | 238 | 238 | 0 | 0 | 174 | 238 | 200 | 194 | 0 | 5 | 4 | 0 |
| 1958 | 160 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 229 |
| 1959 | 238 | 238 | 64 | 2 | 238 | (0) | 0 | 0 | 0 | 5 | 0 | 0 |
| 1960 | 0 | 0 | 2 | (0) | 145 | (0) | 0 | 0 | 0 | 5 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 205 | (0) | 0 | 0 | 0 | 5 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 222 | 152 | 85 | 55 | (0) | 5 | 0 | 0 |
| 1963 | 238 | 238 | 234 | 0 | 238 | 238 | 238 | 238 | 105 | 27 | (0) | 0 |
| 1964 | 105 | 238 | 174 | 238 | 238 | 0 | 0 | 190 | 0 | 5 | 4 | 0 |
| 1965 | 0 | 0 | 238 | 238 | 6 | 57 | 238 | 68 | (0) | 5 | 0 | 0 |
| 1966 | 39 | 238 | 238 | 238 | 186 | 137 | 133 | 238 | 61 | 58 | 15 | (0) |
| 1967 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 231 |
| 1968 | 238 | 238 | 238 | 238 | 238 | 238 | 209 | 149 | 142 | 139 | (0) | 0 |
| 1969 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 238 |
| 1970 | 238 | 238 | 238 | 238 | 238 | 238 | 201 | 154 | 147 | 145 | 0 | 0 |
| 1971 | 0 | 238 | 238 | 238 | 93 | 238 | 230 | 154 | 147 | 228 | (0) | 0 |
| 1972 | 151 | 139 | 233 | 238 | 141 | 200 | 172 | 147 | 140 | 137 | 134 | (0) |
| 1973 | 0 | 238 | 233 | 238 | 238 | 238 | 234 | 227 | 17 | 3 | 0 | 0 |
| 1974 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 232 | 81 | (0) | 0 | 179 |
| 1975 | 238 | 238 | 238 | 238 | 238 | 238 | 234 | 238 | 181 | 79 | (0) | 44 |
| 1976 | 238 | 238 | 193 | 25 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 228 | (0) | 0 | 0 | 0 |
| 1979 | 186 | 196 | 0 | 238 | 238 | 238 | 234 | 227 | 35 | 0 | 0 | 0 |
| 1980 | 0 | 175 | 238 | 238 | 238 | 238 | 200 | 99 | (0) | 0 | 0 | 0 |
| 1981 | 176 | 165 | 238 | 238 | 198 | 238 | 207 | 147 | 140 | 137 | (0) | 0 |
| 1982 | 0 | 238 | 230 | 238 | 238 | 238 | 238 | 238 | 233 | 64 | (0) | 238 |
| 1983 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 |
| 1984 | 238 | 238 | 238 | 238 | 238 | 238 | 225 | 186 | 179 | 128 | 0 | 0 |
| 1985 | 186 | 238 | 238 | 226 | 28 | (0) | 0 | 0 | 0 | 5 | 0 | 0 |
| 1986 | 0 | 0 | 24 | 176 | 238 | 238 | 238 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 68 | 30 | 8 | 1 | 5 | 0 | 0 |
| 1988 | 0 | 0 | 2 | 236 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 232 | 227 | 188 | 181 | 178 | 175 | 0 |
| 1990 | 0 | 0 | 0 | 61 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average | 65 | 105 | 125 | 161 | 147 | 133 | 130 | 111 | 61 | 30 | 9 | 26 |

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Table G4-3. Simulated End-of-Month Storage Volumes (TAF) on Reservoir Islands under Alternative 3

| Water Year | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 0 | 406 | 107 | 231 | 406 | 406 | 397 | 406 | 406 | 21 | 0 | 0 |
| 1923 | 264 | 0 | 406 | 406 | 69 | (0) | 0 | 0 | 0 | 10 | 8 | 0 |
| 1924 | 0 | 0 | 0 | 4 | (0) | 123 | 0 | 102 | 0 | 10 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 333 | 71 | 114 | 34 | (0) | 10 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 53 | 383 | 406 | 62 | 394 | (0) | 10 | 0 | 0 |
| 1927 | 0 | 246 | 280 | 406 | 406 | 406 | 406 | 364 | 101 | 56 | 0 | 0 |
| 1928 | 0 | 357 | 406 | 406 | 367 | 406 | 397 | 0 | 62 | 0 | (0) | 0 |
| 1929 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 53 | 149 | 16 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 123 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 369 | 97 | 27 | 129 | 75 | (0) | 10 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 369 | 406 | 406 | 360 | 360 | 69 | 62 | (0) | 0 |
| 1937 | 0 | 0 | 0 | 0 | 333 | 406 | 397 | 234 | (0) | 0 | 0 | 0 |
| 1938 | 0 | 357 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 21 | 0 | 0 |
| 1939 | 406 | 406 | 406 | 355 | 110 | (0) | 0 | 368 | 0 | 10 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 0 | 406 | 406 | 406 | 0 | 66 | 10 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 369 | 406 | 406 | 406 | 406 | 223 | (0) | (0) | 0 |
| 1942 | 0 | 0 | 0 | 406 | 406 | 391 | 406 | 406 | 392 | 7 | 0 | 0 |
| 1943 | 334 | 406 | 406 | 406 | 406 | 406 | 406 | 304 | (0) | 0 | 0 | 0 |
| 1944 | 369 | 406 | 406 | 406 | 43 | (0) | 406 | 0 | 0 | 10 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 102 | 406 | 406 | 364 | 312 | 298 | 157 | 0 | 0 |
| 1946 | 0 | 215 | 406 | 406 | 144 | (0) | 0 | 0 | 0 | 10 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | (0) | 10 | 8 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 369 | 360 | 292 | 0 | 10 | 8 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 152 | 143 | 109 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 357 | 406 | 205 | 309 | 406 | 406 | 375 | 95 | 88 | 82 | (0) |
| 1952 | 0 | 74 | 404 | 406 | 406 | 406 | 406 | 406 | 72 | 66 | 0 | 0 |
| 1953 | 0 | 406 | 406 | 406 | 406 | 173 | 406 | 406 | 406 | 225 | 0 | 262 |
| 1954 | 201 | 406 | 372 | 406 | 337 | 406 | 164 | 152 | 138 | (0) | 0 | 0 |
| 1955 | 0 | 9 | 0 | 406 | 301 | 406 | 406 | 375 | 69 | 63 | 0 | 0 |
| 1956 | 0 | 0 | 369 | 406 | 406 | 0 | 388 | 0 | 392 | 10 | 7 | 0 |
| 1957 | 377 | 346 | 113 | 94 | 253 | 406 | 385 | 353 | 77 | 213 | 64 | 15 |
| 1958 | 160 | 293 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 70 | 0 | (0) |
| 1959 | 406 | 406 | 233 | 406 | 406 | 106 | 40 | 11 | 0 | 68 | (0) | 229 |
| 1960 | 0 | 0 | 5 | (0) | 145 | (0) | 0 | 0 | 0 | 10 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 205 | (0) | 0 | 0 | 0 | 10 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 333 | 260 | 190 | 157 | (0) | 10 | 0 | 0 |
| 1963 | 369 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 266 | 184 | 0 | 0 |
| 1964 | 108 | 406 | 343 | 406 | 106 | 0 | 0 | 0 | 0 | 10 | 0 | 0 |
| 1965 | 0 | 0 | 369 | 406 | 406 | 220 | 390 | 339 | 0 | 31 | 8 | 0 |
| 1966 | 42 | 396 | 406 | 406 | 352 | 300 | 291 | 223 | 209 | 203 | 156 | (0) |
| 1967 | 0 | 0 | 0 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 70 | 290 |
| 1968 | 0 | 406 | 406 | 406 | 406 | 406 | 374 | 310 | 296 | 290 | 52 | 0 |
| 1969 | 0 | 0 | 339 | 406 | 406 | 406 | 406 | 406 | 406 | 110 | (0) | 357 |
| 1970 | 406 | 406 | 406 | 406 | 406 | 406 | 366 | 315 | 301 | 295 | 0 | 0 |
| 1971 | 0 | 357 | 406 | 406 | 260 | 406 | 395 | 406 | 392 | 386 | 93 | 14 |
| 1972 | 159 | 148 | 401 | 406 | 307 | 364 | 382 | 303 | 289 | 283 | 276 | 33 |
| 1973 | 0 | 339 | 401 | 406 | 406 | 406 | 406 | 385 | 171 | 154 | 0 | 0 |
| 1974 | 0 | 357 | 406 | 406 | 406 | 406 | 406 | 394 | 236 | 32 | 0 | 181 |
| 1975 | 406 | 406 | 406 | 406 | 406 | 406 | 397 | 406 | 342 | 236 | 0 | 46 |
| 1976 | 0 | 406 | 364 | 195 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 371 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 369 | 406 | 406 | 406 | 390 | 106 | 0 | 0 | 0 |
| 1980 | 186 | 197 | 0 | 369 | 406 | 406 | 397 | 385 | 189 | 34 | 0 | 0 |
| 1981 | 0 | 175 | 406 | 406 | 406 | 406 | 364 | 257 | (0) | 0 | 0 | 0 |
| 1982 | 176 | 166 | 248 | 406 | 364 | 406 | 372 | 308 | 294 | 288 | 52 | (0) |
| 1983 | 406 | 357 | 398 | 406 | 406 | 406 | 406 | 406 | 394 | 222 | 21 | 367 |
| 1984 | 406 | 406 | 406 | 406 | 406 | 406 | 389 | 406 | 406 | 406 | 406 | 406 |
| 1985 | 186 | 406 | 406 | 393 | 194 | (0) | 0 | 344 | 330 | 275 | (0) | 0 |
| 1986 | 0 | 0 | 26 | 177 | 406 | 406 | 406 | 209 | (0) | 10 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 68 | 27 | 1 | 0 | 10 | 0 | 0 |
| 1988 | 0 | 0 | 5 | 369 | 107 | 232 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 223 | 180 | 166 | 160 | 153 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 61 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average | 94 | 161 | 208 | 263 | 259 | 232 | 227 | 206 | 127 | 76 | 21 | 34 |

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Table G4-4. Simulated End-of-Month Storage Volumes (TAF) on Reservoir Islands under Alternative 1 Cumulative Conditions

| Water Year | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 0 | 0 | 0 | 0 | 155 | 152 | 147 | 238 | 231 | (0) | 0 | 0 |
| 1923 | 42 | 81 | 238 | 238 | 14 | 11 | 7 | 1 | 0 | 0 | 0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 222 | 219 | 215 | 209 | 192 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 186 | 183 | 178 | 144 | 137 | (0) | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 238 | 238 | 238 | 232 | 193 | (0) | 0 | 0 |
| 1927 | 0 | 31 | 0 | 238 | 236 | 238 | 234 | 191 | 176 | (0) | 0 | 0 |
| 1928 | 0 | 238 | 237 | 238 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 85 | 82 | 12 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 238 | 236 | 233 | 232 | 77 | 70 | (0) | 0 | 0 |
| 1936 | 0 | 0 | 0 | 238 | 238 | 154 | 149 | 143 | 101 | (0) | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 222 | 238 | 234 | 227 | 52 | (0) | 0 | 0 |
| 1938 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | (0) | 0 | 0 |
| 1939 | 207 | 168 | 167 | 167 | 165 | 162 | 117 | 81 | 74 | (0) | 0 | 0 |
| 1940 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 189 | 147 | (0) | 0 | 0 |
| 1941 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 231 | (0) | 0 | 0 |
| 1942 | 112 | 150 | 238 | 238 | 238 | 235 | 238 | 232 | 225 | (0) | 0 | 0 |
| 1943 | 175 | 238 | 238 | 238 | 238 | 238 | 234 | 114 | 56 | (0) | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 222 | 219 | 215 | 198 | 191 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 238 | 238 | 14 | 11 | 7 | (0) | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 238 | 234 | 138 | 131 | (0) | 0 | 0 |
| 1950 | 0 | 0 | 0 | 22 | 20 | 17 | 12 | 0 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 238 | 238 | 238 | 238 | 235 | 231 | 224 | 182 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 0 |
| 1953 | 218 | 217 | 238 | 238 | 215 | 212 | 207 | 201 | 194 | (0) | 0 | 46 |
| 1954 | 0 | 174 | 0 | 238 | 238 | 238 | 238 | 198 | 182 | (0) | 0 | 0 |
| 1955 | 0 | 0 | 238 | 238 | 236 | 233 | 229 | 223 | 216 | (0) | 0 | 0 |
| 1956 | 0 | 0 | 238 | 238 | 29 | 209 | 153 | 147 | 132 | (0) | 0 | 0 |
| 1957 | 153 | 0 | 0 | 0 | 238 | 238 | 238 | 147 | 132 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 14 |
| 1959 | 206 | 204 | (0) | 238 | 238 | 70 | (0) | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 41 | 38 | (0) | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 222 | 219 | 135 | 93 | 86 | 0 | 0 | 0 |
| 1963 | 238 | 237 | 238 | 237 | 238 | 179 | 238 | 232 | 225 | (0) | 0 | 0 |
| 1964 | 0 | 238 | 40 | 238 | 236 | 233 | 192 | 157 | 150 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 238 | 238 | 236 | 229 | 238 | 168 | 126 | 0 | 0 | 0 |
| 1966 | 0 | 238 | 237 | 238 | 236 | 233 | 229 | 133 | 126 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 0 |
| 1968 | 203 | 202 | 0 | 238 | 238 | 235 | 193 | 238 | 238 | 92 | (0) | 15 |
| 1969 | 0 | 0 | 136 | 238 | 238 | 238 | 110 | 231 | 103 | 0 | 0 | 0 |
| 1970 | 238 | 238 | 238 | 238 | 238 | 238 | 224 | 215 | 208 | (0) | 0 | 149 |
| 1971 | 0 | 146 | 238 | 238 | 44 | 238 | 229 | 223 | 216 | (0) | 0 | 0 |
| 1972 | 0 | 0 | 77 | 77 | 75 | 72 | 30 | (0) | 0 | 0 | 0 | 0 |
| 1973 | 0 | 124 | 238 | 238 | 238 | 238 | 234 | 227 | 185 | 0 | 0 | 0 |
| 1974 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 232 | 225 | (0) | 0 | 0 |
| 1975 | 85 | 84 | 83 | 82 | 238 | 238 | 234 | 227 | 220 | (0) | 0 | 0 |
| 1976 | 109 | 132 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 232 | 210 | (0) | 0 | 0 |
| 1979 | 0 | 0 | 0 | 238 | 238 | 235 | 231 | 182 | 182 | (0) | 0 | 0 |
| 1980 | 0 | 0 | 52 | 238 | 238 | 238 | 234 | 227 | 190 | (0) | 0 | 0 |
| 1981 | 0 | 0 | 0 | 238 | 236 | 233 | 189 | 106 | 99 | (0) | 0 | 0 |
| 1982 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 231 | (0) | 0 | 231 |
| 1983 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 238 |
| 1984 | 238 | 238 | 238 | 238 | 238 | 238 | 234 | 227 | 220 | (0) | 0 | 0 |
| 1985 | 0 | 238 | 238 | 237 | 235 | 232 | 182 | 148 | 141 | (0) | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 222 | 238 | 234 | 227 | 220 | (0) | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (0) | 0 | 0 |
| 1988 | 0 | 0 | 0 | 223 | 221 | 218 | 178 | 146 | 139 | (0) | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 25 | 20 | (0) | 0 | (0) | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average | 35 | 69 | 96 | 139 | 153 | 157 | 147 | 130 | 118 | 5 | 3 | 10 |

Table G4-5. Simulated End-of-Month Storage Volumes (TAF) on Reservoir Islands under Alternative 2 Cumulative Conditions

| Water Year | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 0 | 0 | 0 | 0 | 155 | 121 | 116 | 220 | 208 | 0 | 0 | 0 |
| 1923 | 42 | 81 | 238 | 238 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 222 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 186 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 31 | 0 | 238 | 238 | 238 | 238 | 232 | 0 | 0 | 0 | 0 |
| 1928 | 0 | 238 | 102 | 238 | 53 | 238 | 234 | 204 | (0) | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 86 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 238 | 14 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 238 | 238 | 67 | 63 | 32 | (0) | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 238 | 222 | 238 | 234 | 76 | (0) | 0 | 0 | 0 |
| 1938 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 0 |
| 1939 | 207 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 204 | 0 | 0 | 0 | 0 |
| 1941 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | (0) | 0 | 0 | 0 |
| 1942 | 112 | 150 | 238 | 238 | 238 | 40 | 169 | 163 | 127 | (0) | 0 | 0 |
| 1943 | 175 | 238 | 238 | 238 | 238 | 238 | 234 | 135 | (0) | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 222 | 47 | 9 | 0 | 0 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 238 | 238 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 0 | 0 | 238 | 234 | 169 | (0) | 0 | 0 | 0 |
| 1951 | 0 | 238 | 238 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 238 | 238 | 238 | 119 | 105 | 99 | (0) | 0 | 0 | 0 |
| 1953 | 218 | 110 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 0 | 0 | 46 |
| 1954 | 0 | 174 | 0 | 238 | 21 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 238 | 238 | 238 | 238 | 238 | 210 | 0 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 238 | 238 | 14 | 0 | 0 | 238 | 127 | 0 | 0 | 0 |
| 1957 | 153 | 0 | 0 | 0 | 29 | 209 | 225 | 238 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 238 | 0 | 238 | 238 | 171 | 165 | 0 | 0 | 0 | 0 |
| 1959 | 206 | 86 | (0) | 238 | 238 | (0) | 238 | 238 | 238 | 0 | 0 | 14 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 222 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1963 | 238 | 224 | 238 | 79 | 238 | 76 | 238 | 232 | 70 | (0) | 0 | 0 |
| 1964 | 0 | 238 | 0 | 238 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 238 | 238 | 195 | (0) | 101 | 53 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 238 | 144 | 238 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 0 | 238 | 238 | 238 | 0 | 0 | 238 | 238 | 92 | (0) | 15 |
| 1968 | 203 | 100 | 0 | 238 | 238 | 238 | 238 | 0 | 238 | 0 | (0) | 0 |
| 1969 | 0 | 0 | 136 | 238 | 238 | 217 | 188 | 128 | 121 | 0 | 0 | 0 |
| 1970 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 190 | (0) | 0 | 149 |
| 1971 | 0 | 146 | 238 | 238 | 14 | 238 | 201 | 154 | 147 | 0 | 0 | 0 |
| 1972 | 0 | 0 | 77 | 15 | 0 | 0 | 230 | 224 | 217 | (0) | 0 | 0 |
| 1973 | 0 | 124 | 238 | 238 | 238 | 238 | 234 | 227 | 0 | (0) | 0 | 0 |
| 1974 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 232 | (0) | 0 | 0 | 0 |
| 1975 | 85 | 10 | (0) | 0 | 222 | 238 | 234 | 227 | (0) | 0 | 0 | 0 |
| 1976 | 109 | 132 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 238 | 238 | 238 | 238 | 228 | (0) | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 238 | 238 | 162 | 157 | 151 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 52 | 238 | 238 | 238 | 200 | 99 | (0) | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 238 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 18 | (0) | 0 | 231 |
| 1983 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 189 | 238 |
| 1984 | 238 | 238 | 238 | 238 | 238 | 238 | 225 | 186 | 179 | 0 | 0 | 0 |
| 1985 | 0 | 238 | 238 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 222 | 238 | 234 | (0) | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 223 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 25 | 20 | (0) | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average | 35 | 62 | 86 | 129 | 120 | 100 | 102 | 88 | 37 | 5 | 3 | 10 |

Table G4-6. Simulated End-of-Month Storage Volumes (TAF) on Reservoir Islands under Alternative 3 Cumulative Conditions

| Water Year | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1922 | 0 | 0 | 0 | 0 | 155 | 118 | 109 | 207 | 187 | 0 | 0 | 0 |
| 1923 | 42 | 80 | 406 | 406 | 69 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1925 | 0 | 0 | 0 | 0 | 333 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1926 | 0 | 0 | 0 | 0 | 186 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1927 | 0 | 31 | 0 | 369 | 406 | 406 | 406 | 394 | 23 | 0 | 0 | 0 |
| 1928 | 0 | 336 | 200 | 406 | 220 | 406 | 397 | 364 | (0) | 0 | 0 | 0 |
| 1929 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1930 | 0 | 0 | 0 | 86 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1932 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1935 | 0 | 0 | 0 | 338 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1936 | 0 | 0 | 0 | 369 | 406 | 231 | 222 | 185 | 0 | 0 | 0 | 0 |
| 1937 | 0 | 0 | 0 | 0 | 333 | 406 | 397 | 234 | (0) | 0 | 0 | 0 |
| 1938 | 0 | 0 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 0 | 0 | 0 |
| 1939 | 207 | 103 | (0) | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 |
| 1940 | 0 | 0 | 0 | 279 | 406 | 406 | 406 | 368 | (0) | 0 | 0 | 0 |
| 1941 | 0 | 0 | 0 | 406 | 406 | 406 | 406 | 406 | 35 | (0) | 0 | 0 |
| 1942 | 112 | 149 | 406 | 406 | 406 | 205 | 330 | 318 | 274 | 0 | 0 | 0 |
| 1943 | 175 | 340 | 406 | 406 | 406 | 406 | 397 | 295 | (0) | 0 | 0 | 0 |
| 1944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1945 | 0 | 0 | 0 | 0 | 333 | 155 | 113 | 61 | 47 | 0 | 0 | 0 |
| 1946 | 0 | 0 | 369 | 406 | 69 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1947 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1948 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1949 | 0 | 0 | 0 | 0 | 0 | 259 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1950 | 0 | 0 | 0 | 22 | (0) | 0 | 250 | 182 | 0 | 0 | 0 | 0 |
| 1951 | 0 | 357 | 406 | 406 | 406 | 284 | 266 | 253 | 0 | 0 | 0 | 0 |
| 1952 | 0 | 0 | 369 | 406 | 406 | 406 | 406 | 406 | 406 | 21 | 0 | 46 |
| 1953 | 215 | 105 | 406 | 406 | 189 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1954 | 0 | 174 | (0) | 369 | 406 | 406 | 406 | 375 | 4 | 0 | 0 | 0 |
| 1955 | 0 | 0 | 240 | 324 | 40 | 406 | 406 | 406 | 288 | 0 | 0 | 0 |
| 1956 | 0 | 0 | 369 | 406 | 29 | 406 | 388 | 406 | 0 | 0 | 0 | 0 |
| 1957 | 153 | 0 | 0 | 0 | 406 | 206 | 165 | 153 | 0 | 0 | 0 | 0 |
| 1958 | 0 | 0 | 278 | 406 | 406 | 406 | 406 | 406 | 406 | 21 | 0 | 14 |
| 1959 | 203 | 81 | 0 | 369 | 406 | 31 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1961 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1962 | 0 | 0 | 0 | 0 | 333 | 62 | (0) | 0 | 0 | 0 | 0 | 0 |
| 1963 | 369 | 353 | 406 | 246 | 406 | 240 | 406 | 394 | 225 | (0) | 0 | 0 |
| 1964 | 0 | 357 | 96 | 400 | 52 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1965 | 0 | 0 | 369 | 406 | 362 | (0) | 101 | 49 | 0 | 0 | 0 | 0 |
| 1966 | 0 | 284 | 199 | 406 | 216 | (0) | 0 | 406 | 0 | 0 | 0 | 0 |
| 1967 | 0 | 96 | 369 | 369 | 406 | 382 | 406 | 406 | 406 | 256 | 0 | 15 |
| 1968 | 200 | 0 | 186 | 406 | 406 | 406 | 350 | 286 | 272 | 44 | (0) | 0 |
| 1969 | 0 | 0 | 406 | 406 | 406 | 406 | 406 | 406 | 351 | (0) | 0 | 0 |
| 1970 | 406 | 406 | 406 | 406 | 406 | 406 | 366 | 315 | 301 | 72 | 0 | 149 |
| 1971 | 0 | 146 | 406 | 406 | 101 | 399 | 363 | 377 | 363 | 134 | 0 | 0 |
| 1972 | 0 | 0 | 77 | 14 | (0) | 0 | 0 | 0 | 0 | 0 | (0) | 0 |
| 1973 | 0 | 124 | 406 | 406 | 406 | 406 | 397 | 385 | 14 | 0 | 0 | 0 |
| 1974 | 0 | 357 | 406 | 406 | 406 | 406 | 406 | 394 | 23 | 0 | 0 | 0 |
| 1975 | 85 | 9 | 0 | 406 | 333 | 406 | 397 | 385 | 105 | (0) | 0 | 0 |
| 1976 | 109 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 369 | 406 | 406 | 406 | 390 | 19 | (0) | 0 | 0 |
| 1979 | 0 | 0 | 0 | 313 | 406 | 327 | 318 | 306 | (0) | 0 | 0 | 0 |
| 1980 | 0 | 0 | 52 | 406 | 406 | 406 | 364 | 257 | (0) | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 276 | 93 | (0) | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 357 | 0 | 406 | 406 | 406 | 406 | 406 | 179 | 0 | 0 | 231 |
| 1983 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 353 | 0 |
| 1984 | 406 | 406 | 406 | 406 | 406 | 406 | 389 | 344 | 330 | 53 | (0) | 406 |
| 1985 | 0 | 357 | 406 | 238 | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 333 | 406 | 397 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 223 | (0) | 25 | 16 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Average | 44 | 84 | 137 | 210 | 205 | 175 | 174 | 159 | 72 | 15 | 5 | 12 |