

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (14/25)

| Year | : 1967 |       |       |       |       |       |       |       |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 241.1  | 125.2 | 531.8 | 212.7 | 91.3  | 52.4  | 70.7  | 64.1  | 86.3  | 191.5 | 133.5 | 453.6 |
| 2    | 209.7  | 156.3 | 446.0 | 197.5 | 83.9  | 54.3  | 72.9  | 64.1  | 83.9  | 167.8 | 122.5 | 327.4 |
| 3    | 197.5  | 209.7 | 398.2 | 176.7 | 70.7  | 58.1  | 70.7  | 61.9  | 153.4 | 159.1 | 122.5 | 527.7 |
| 4    | 254.1  | 296.6 | 334.3 | 156.3 | 66.3  | 103.7 | 64.1  | 60.0  | 133.5 | 218.8 | 133.5 | 664.1 |
| 5    | 273.5  | 289.7 | 337.7 | 144.9 | 64.1  | 162.0 | 61.9  | 56.2  | 139.1 | 237.9 | 114.2 | 491.7 |
| 6    | 215.8  | 244.3 | 409.0 | 122.5 | 61.9  | 286.5 | 60.0  | 54.3  | 167.8 | 194.4 | 98.7  | 369.2 |
| 7    | 176.7  | 194.4 | 341.2 | 116.9 | 61.9  | 303.4 | 60.0  | 52.4  | 234.6 | 162.0 | 93.8  | 237.9 |
| 8    | 159.1  | 162.0 | 289.7 | 108.6 | 61.9  | 185.5 | 58.1  | 50.5  | 224.9 | 142.0 | 77.3  | 267.0 |
| 9    | 194.4  | 176.7 | 257.3 | 103.7 | 61.9  | 144.9 | 68.5  | 50.5  | 200.5 | 125.2 | 70.7  | 267.0 |
| 10   | 215.8  | 215.8 | 221.9 | 96.3  | 60.0  | 119.7 | 86.3  | 48.6  | 179.6 | 122.5 | 64.1  | 263.8 |
| 11   | 176.7  | 228.1 | 197.5 | 91.3  | 60.0  | 86.3  | 83.9  | 50.5  | 173.7 | 114.2 | 75.1  | 206.6 |
| 12   | 150.6  | 276.7 | 179.6 | 83.9  | 58.1  | 101.2 | 75.1  | 50.5  | 167.8 | 108.6 | 88.8  | 164.9 |
| 13   | 133.5  | 289.7 | 164.9 | 77.3  | 52.4  | 125.2 | 79.5  | 50.5  | 320.6 | 116.9 | 116.9 | 139.1 |
| 14   | 122.5  | 270.3 | 162.0 | 72.9  | 52.4  | 142.0 | 119.7 | 52.4  | 380.1 | 103.7 | 125.2 | 128.0 |
| 15   | 122.5  | 257.3 | 164.9 | 70.7  | 50.5  | 162.0 | 173.7 | 52.4  | 303.4 | 96.3  | 108.6 | 116.9 |
| 16   | 128.0  | 209.7 | 150.6 | 68.5  | 48.6  | 147.7 | 162.0 | 52.4  | 234.6 | 91.3  | 221.9 | 108.6 |
| 17   | 125.2  | 228.1 | 133.5 | 68.5  | 46.7  | 139.1 | 200.5 | 50.5  | 194.4 | 86.3  | 215.8 | 106.2 |
| 18   | 108.6  | 337.7 | 122.5 | 70.7  | 46.7  | 125.2 | 203.6 | 50.5  | 212.7 | 86.3  | 206.6 | 103.7 |
| 19   | 101.2  | 412.6 | 119.7 | 68.5  | 44.8  | 111.4 | 182.6 | 48.6  | 283.2 | 122.5 | 228.1 | 116.9 |
| 20   | 96.3   | 358.3 | 111.4 | 64.1  | 44.8  | 101.2 | 162.0 | 48.6  | 341.2 | 194.4 | 179.6 | 144.9 |
| 21   | 91.3   | 306.9 | 108.6 | 61.9  | 50.5  | 93.8  | 139.1 | 48.6  | 631.1 | 303.4 | 159.1 | 200.5 |
| 22   | 93.8   | 276.7 | 103.7 | 60.0  | 52.4  | 88.8  | 125.2 | 60.0  | 589.7 | 390.9 | 128.0 | 162.0 |
| 23   | 98.7   | 380.1 | 98.7  | 58.1  | 83.9  | 83.9  | 108.6 | 96.3  | 577.3 | 398.2 | 111.4 | 136.3 |
| 24   | 101.2  | 480.3 | 108.6 | 58.1  | 116.9 | 75.1  | 96.3  | 212.7 | 598.0 | 306.9 | 106.2 | 125.2 |
| 25   | 133.5  | 552.4 | 116.9 | 56.2  | 96.3  | 72.9  | 86.3  | 618.7 | 531.8 | 241.1 | 106.2 | 106.2 |
| 26   | 179.6  | 635.2 | 122.5 | 54.3  | 77.3  | 68.5  | 83.9  | 276.7 | 412.6 | 203.6 | 125.2 | 93.8  |
| 27   | 194.4  | 639.4 | 133.5 | 103.7 | 58.1  | 66.3  | 79.5  | 194.4 | 337.7 | 179.6 | 234.6 | 83.9  |
| 28   | 176.7  | 585.6 | 250.8 | 153.4 | 54.3  | 58.1  | 75.1  | 153.4 | 286.5 | 162.0 | 289.7 | 77.3  |
| 29   | 147.7  |       | 487.9 | 133.5 | 52.4  | 52.4  | 72.9  | 136.3 | 247.6 | 162.0 | 540.1 | 72.9  |
| 30   | 136.3  |       | 354.9 | 101.2 | 52.4  | 54.3  | 70.7  | 116.9 | 212.7 | 167.8 | 560.7 | 72.9  |
| 31   | 136.3  |       | 267.0 |       | 52.4  |       | 68.5  | 103.7 |       | 147.7 |       | 70.7  |
| Mean | 157.8  | 314.1 | 233.1 | 100.4 | 62.5  | 114.2 | 100.7 | 99.6  | 288.0 | 177.6 | 165.3 | 206.7 |

| Year | : 1968 |      |      |       |      |      |       |      |       |       |       |       |
|------|--------|------|------|-------|------|------|-------|------|-------|-------|-------|-------|
| Day  | Jan.   | Feb. | Mar. | Apr.  | May  | Jun. | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 81.7   | 98.7 | 15.1 | 46.7  | 36.7 | 20.0 | 20.0  | 23.7 | 36.7  | 54.3  | 306.9 | 58.1  |
| 2    | 83.9   | 77.3 | 15.1 | 46.7  | 32.0 | 18.8 | 20.0  | 22.5 | 30.5  | 48.6  | 257.3 | 52.4  |
| 3    | 68.5   | 64.1 | 15.1 | 72.9  | 28.9 | 18.8 | 18.8  | 22.5 | 26.1  | 42.9  | 218.8 | 52.4  |
| 4    | 66.3   | 61.9 | 14.0 | 101.2 | 27.4 | 18.8 | 18.8  | 22.5 | 24.9  | 39.7  | 188.5 | 44.8  |
| 5    | 60.0   | 56.2 | 14.0 | 106.2 | 27.4 | 22.5 | 20.0  | 21.3 | 22.5  | 36.7  | 179.6 | 39.7  |
| 6    | 54.3   | 56.2 | 14.0 | 61.9  | 27.4 | 26.1 | 21.3  | 21.3 | 20.0  | 35.1  | 167.8 | 36.7  |
| 7    | 52.4   | 52.4 | 14.0 | 52.4  | 26.1 | 39.7 | 27.4  | 21.3 | 16.4  | 33.5  | 170.8 | 35.1  |
| 8    | 46.7   | 50.5 | 35.1 | 48.6  | 26.1 | 66.3 | 39.7  | 26.1 | 15.2  | 33.5  | 267.0 | 33.5  |
| 9    | 44.8   | 48.6 | 32.8 | 42.9  | 26.1 | 91.3 | 68.5  | 36.7 | 14.3  | 32.0  | 286.5 | 27.4  |
| 10   | 42.9   | 44.8 | 30.4 | 42.9  | 24.9 | 61.9 | 153.4 | 42.9 | 13.4  | 32.0  | 209.7 | 27.4  |
| 11   | 39.7   | 44.8 | 26.8 | 39.7  | 24.9 | 42.9 | 114.2 | 36.7 | 17.6  | 36.7  | 191.5 | 26.1  |
| 12   | 41.4   | 42.9 | 31.5 | 36.7  | 23.7 | 39.7 | 86.3  | 33.5 | 26.1  | 42.9  | 170.8 | 24.9  |
| 13   | 46.7   | 52.4 | 68.8 | 35.1  | 23.7 | 36.7 | 70.7  | 28.9 | 46.7  | 91.3  | 147.7 | 24.9  |
| 14   | 50.5   | 60.0 | 56.2 | 33.5  | 23.7 | 33.5 | 56.2  | 27.4 | 68.5  | 79.5  | 125.2 | 23.7  |
| 15   | 48.6   | 48.6 | 33.9 | 28.9  | 27.4 | 30.5 | 48.6  | 24.9 | 103.7 | 70.7  | 108.6 | 23.7  |
| 16   | 52.4   | 42.9 | 43.3 | 28.9  | 28.9 | 27.4 | 42.9  | 23.7 | 153.4 | 60.0  | 91.3  | 22.5  |
| 17   | 58.1   | 41.4 | 55.0 | 27.4  | 32.0 | 24.9 | 41.4  | 22.5 | 98.7  | 61.9  | 72.9  | 21.3  |
| 18   | 72.9   | 38.2 | 52.5 | 27.4  | 28.9 | 23.7 | 39.7  | 22.5 | 81.7  | 70.7  | 64.1  | 20.0  |
| 19   | 68.5   | 35.1 | 37.5 | 27.4  | 27.4 | 23.7 | 36.7  | 21.3 | 66.3  | 86.3  | 60.0  | 20.0  |
| 20   | 64.1   | 35.1 | 28.0 | 58.1  | 26.1 | 23.7 | 35.1  | 21.3 | 77.3  | 114.2 | 54.3  | 22.5  |
| 21   | 83.9   | 35.1 | 28.0 | 91.3  | 24.9 | 24.9 | 35.1  | 20.0 | 254.1 | 93.8  | 50.5  | 27.4  |
| 22   | 93.8   | 33.5 | 32.8 | 77.3  | 23.7 | 24.9 | 35.1  | 18.8 | 380.1 | 77.3  | 48.6  | 54.3  |
| 23   | 91.3   | 33.5 | 43.3 | 60.0  | 22.5 | 23.7 | 33.5  | 18.8 | 303.4 | 66.3  | 42.9  | 133.5 |
| 24   | 103.7  | 32.0 | 47.3 | 50.5  | 22.5 | 22.5 | 33.5  | 18.8 | 234.6 | 60.0  | 42.9  | 401.8 |
| 25   | 86.3   | 38.2 | 70.1 | 42.9  | 22.5 | 22.5 | 33.5  | 16.4 | 147.7 | 56.2  | 39.7  | 589.7 |
| 26   | 79.5   | 35.1 | 53.7 | 38.2  | 21.3 | 21.3 | 32.0  | 16.4 | 101.2 | 58.1  | 36.7  | 480.3 |
| 27   | 79.5   | 32.0 | 43.3 | 36.7  | 21.3 | 21.3 | 28.9  | 15.2 | 81.7  | 114.2 | 35.1  | 372.8 |
| 28   | 72.9   | 30.5 | 38.6 | 35.1  | 21.3 | 21.3 | 28.9  | 15.2 | 68.5  | 133.5 | 33.5  | 273.5 |
| 29   | 60.0   | 30.5 | 31.5 | 36.7  | 20.0 | 20.0 | 26.1  | 17.6 | 61.9  | 200.5 | 36.7  | 212.7 |
| 30   | 60.0   |      | 31.5 | 41.4  | 20.0 | 20.0 | 24.9  | 22.5 | 56.2  | 270.3 | 50.5  | 147.7 |
| 31   | 119.7  |      | 30.4 |       | 20.0 |      | 23.7  | 27.4 |       | 324.0 |       | 114.2 |
| Mean | 66.9   | 46.6 | 35.0 | 49.2  | 25.5 | 30.4 | 42.4  | 23.6 | 88.3  | 82.5  | 125.2 | 111.1 |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (15/25)

| Year : 1969 |       | Jan.   | Feb.  | Mar.   | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec. |
|-------------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Day         |       |        |       |        |       |       |       |       |       |       |       |       |      |
| 1           | 98.7  | 111.4  | 286.5 | 354.9  | 103.7 | 128.0 | 188.5 | 79.5  | 159.1 | 122.5 | 88.8  | 144.9 |      |
| 2           | 108.6 | 108.6  | 376.4 | 713.8  | 101.2 | 122.5 | 173.7 | 77.3  | 133.5 | 111.4 | 81.7  | 114.2 |      |
| 3           | 296.6 | 111.4  | 365.6 | 668.3  | 108.6 | 106.2 | 167.8 | 72.9  | 122.5 | 98.7  | 72.9  | 93.8  |      |
| 4           | 267.0 | 114.2  | 293.1 | 602.1  | 125.2 | 91.3  | 150.6 | 70.7  | 130.7 | 91.3  | 66.3  | 81.7  |      |
| 5           | 457.4 | 98.7   | 237.9 | 1531.9 | 111.4 | 79.5  | 139.1 | 66.3  | 167.8 | 83.9  | 66.3  | 72.9  |      |
| 6           | 387.3 | 86.3   | 197.5 | 1118.1 | 96.3  | 72.9  | 130.7 | 72.9  | 147.7 | 88.8  | 60.0  | 68.5  |      |
| 7           | 344.6 | 98.7   | 164.9 | 868.2  | 91.3  | 70.7  | 125.2 | 77.3  | 128.0 | 179.6 | 91.3  | 64.1  |      |
| 8           | 313.7 | 147.7  | 136.3 | 668.3  | 86.3  | 66.3  | 224.9 | 75.1  | 122.5 | 164.9 | 133.5 | 58.1  |      |
| 9           | 293.1 | 215.8  | 114.2 | 457.4  | 79.5  | 64.1  | 722.4 | 70.7  | 108.6 | 130.7 | 200.5 | 56.2  |      |
| 10          | 503.2 | 250.8  | 101.2 | 337.7  | 75.1  | 66.3  | 651.7 | 70.7  | 98.7  | 114.2 | 167.8 | 52.4  |      |
| 11          | 660.0 | 228.1  | 96.3  | 273.5  | 70.7  | 66.3  | 457.4 | 66.3  | 91.3  | 101.2 | 114.2 | 50.5  |      |
| 12          | 548.3 | 185.5  | 91.3  | 228.1  | 66.3  | 61.9  | 344.6 | 64.1  | 91.3  | 93.8  | 93.8  | 56.2  |      |
| 13          | 344.6 | 164.9  | 83.9  | 206.6  | 68.5  | 83.9  | 267.0 | 61.9  | 88.8  | 77.3  | 88.8  | 106.2 |      |
| 14          | 267.0 | 144.9  | 83.9  | 170.8  | 66.3  | 91.3  | 224.9 | 61.9  | 79.5  | 70.7  | 114.2 | 114.2 |      |
| 15          | 241.1 | 133.5  | 79.5  | 153.4  | 64.1  | 111.4 | 194.4 | 66.3  | 77.3  | 60.5  | 159.1 | 83.9  |      |
| 16          | 228.1 | 191.5  | 77.3  | 139.1  | 64.1  | 250.8 | 173.7 | 72.9  | 70.7  | 86.3  | 221.9 | 70.7  |      |
| 17          | 191.5 | 303.4  | 70.7  | 128.0  | 60.0  | 511.1 | 156.3 | 68.5  | 66.3  | 119.7 | 200.5 | 64.1  |      |
| 18          | 153.4 | 461.2  | 66.3  | 114.2  | 58.1  | 885.3 | 144.9 | 60.0  | 66.3  | 88.8  | 156.3 | 56.2  |      |
| 19          | 125.2 | 881.0  | 72.9  | 108.6  | 56.2  | 618.7 | 130.7 | 56.2  | 162.0 | 72.9  | 139.1 | 52.4  |      |
| 20          | 103.7 | 1081.1 | 209.7 | 101.2  | 54.3  | 419.9 | 122.5 | 54.3  | 182.6 | 66.3  | 128.0 | 54.3  |      |
| 21          | 88.8  | 863.9  | 221.9 | 98.7   | 50.5  | 390.9 | 119.7 | 52.4  | 218.8 | 64.1  | 130.7 | 60.0  |      |
| 22          | 77.3  | 664.1  | 257.3 | 125.2  | 56.2  | 536.0 | 119.7 | 52.4  | 173.7 | 68.5  | 136.3 | 52.4  |      |
| 23          | 70.7  | 507.0  | 221.9 | 348.0  | 61.9  | 684.8 | 125.2 | 50.5  | 139.1 | 81.7  | 170.8 | 60.0  |      |
| 24          | 75.1  | 327.4  | 173.7 | 247.6  | 83.9  | 647.7 | 116.9 | 50.5  | 122.5 | 83.9  | 147.7 | 70.7  |      |
| 25          | 98.7  | 231.4  | 139.1 | 197.5  | 128.0 | 610.4 | 114.2 | 88.8  | 106.2 | 72.9  | 122.5 | 70.7  |      |
| 26          | 101.2 | 182.6  | 147.7 | 162.0  | 170.8 | 495.6 | 108.6 | 150.6 | 98.7  | 61.9  | 106.2 | 58.1  |      |
| 27          | 98.7  | 176.7  | 170.8 | 114.2  | 286.5 | 390.9 | 103.7 | 194.4 | 93.8  | 52.4  | 91.3  | 44.8  |      |
| 28          | 86.3  | 203.6  | 159.1 | 91.3   | 170.8 | 310.3 | 98.7  | 263.8 | 91.3  | 48.6  | 83.9  | 38.2  |      |
| 29          | 103.7 |        | 173.7 | 101.2  | 133.5 | 247.6 | 91.3  | 337.7 | 103.7 | 58.1  | 206.6 | 35.1  |      |
| 30          | 128.0 |        | 303.4 | 111.4  | 122.5 | 212.7 | 86.3  | 263.8 | 125.2 | 61.9  | 267.0 | 41.4  |      |
| 31          | 119.7 |        | 289.7 |        | 133.5 |       | 83.9  | 200.5 |       | 91.3  |       | 58.1  |      |
| Mean        | 225.2 | 295.6  | 176.2 | 351.4  | 97.0  | 283.2 | 195.5 | 99.1  | 118.9 | 89.6  | 130.3 | 67.9  |      |

| Year : 1970 |       | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec. |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Day         |       |       |       |       |       |       |       |       |       |       |       |       |      |
| 1           | 244.3 | 52.4  | 54.3  | 79.5  | 35.1  | 48.6  | 668.3 | 162.0 | 263.8 | 150.6 | 93.8  | 42.9  |      |
| 2           | 206.6 | 86.3  | 52.4  | 96.3  | 33.5  | 46.7  | 906.8 | 136.3 | 215.8 | 150.6 | 108.6 | 46.7  |      |
| 3           | 179.6 | 215.8 | 50.5  | 75.1  | 35.1  | 44.8  | 739.5 | 116.9 | 179.6 | 162.0 | 122.5 | 41.4  |      |
| 4           | 153.4 | 188.5 | 44.8  | 108.6 | 36.7  | 42.9  | 476.5 | 108.6 | 159.1 | 144.9 | 91.3  | 39.7  |      |
| 5           | 191.5 | 170.8 | 41.4  | 159.1 | 44.8  | 56.2  | 334.3 | 103.7 | 142.0 | 119.7 | 72.9  | 36.7  |      |
| 6           | 260.5 | 162.0 | 39.7  | 162.0 | 91.3  | 75.1  | 267.0 | 103.7 | 194.4 | 103.7 | 68.5  | 33.5  |      |
| 7           | 330.9 | 147.7 | 36.7  | 139.1 | 116.9 | 344.6 | 237.9 | 98.7  | 387.3 | 93.8  | 68.5  | 30.5  |      |
| 8           | 244.3 | 125.2 | 35.1  | 116.9 | 133.5 | 457.4 | 209.7 | 86.3  | 412.6 | 93.8  | 70.7  | 30.5  |      |
| 9           | 215.8 | 98.7  | 36.7  | 98.7  | 108.6 | 300.0 | 182.6 | 81.7  | 310.3 | 111.4 | 77.3  | 32.0  |      |
| 10          | 191.5 | 81.7  | 56.2  | 81.7  | 83.9  | 200.5 | 162.0 | 75.1  | 250.8 | 133.5 | 72.9  | 103.7 |      |
| 11          | 147.7 | 66.3  | 66.3  | 77.3  | 68.5  | 156.3 | 147.7 | 70.7  | 209.7 | 116.9 | 58.1  | 197.5 |      |
| 12          | 111.4 | 54.3  | 96.3  | 75.1  | 56.2  | 136.3 | 142.0 | 66.3  | 167.8 | 98.7  | 56.2  | 170.8 |      |
| 13          | 96.3  | 46.7  | 147.7 | 70.7  | 52.4  | 267.0 | 130.7 | 61.9  | 153.4 | 93.8  | 54.3  | 128.0 |      |
| 14          | 81.7  | 50.5  | 194.4 | 61.9  | 50.5  | 472.7 | 119.7 | 58.1  | 139.1 | 81.7  | 54.3  | 103.7 |      |
| 15          | 88.8  | 58.1  | 191.5 | 58.1  | 48.6  | 531.8 | 116.9 | 56.2  | 125.2 | 77.3  | 50.5  | 125.2 |      |
| 16          | 147.7 | 79.5  | 147.7 | 54.3  | 46.7  | 442.2 | 111.4 | 54.3  | 116.9 | 77.3  | 48.6  | 119.7 |      |
| 17          | 122.5 | 72.9  | 122.5 | 52.4  | 44.8  | 341.2 | 106.2 | 50.5  | 103.7 | 93.8  | 46.7  | 108.6 |      |
| 18          | 93.8  | 66.3  | 116.9 | 50.5  | 48.6  | 244.3 | 103.7 | 48.6  | 101.2 | 182.6 | 44.8  | 101.2 |      |
| 19          | 83.9  | 70.7  | 133.5 | 48.6  | 70.7  | 191.5 | 93.8  | 48.6  | 98.7  | 260.5 | 42.9  | 91.3  |      |
| 20          | 77.3  | 91.3  | 221.9 | 48.6  | 221.9 | 156.3 | 88.8  | 46.7  | 93.8  | 241.1 | 41.4  | 75.1  |      |
| 21          | 66.3  | 103.7 | 212.7 | 44.8  | 209.7 | 139.1 | 88.8  | 48.6  | 91.3  | 260.5 | 38.2  | 64.1  |      |
| 22          | 64.1  | 128.0 | 203.6 | 42.9  | 156.3 | 133.5 | 79.5  | 96.3  | 91.3  | 254.1 | 36.7  | 72.9  |      |
| 23          | 56.2  | 173.7 | 179.6 | 41.4  | 106.2 | 273.5 | 79.5  | 273.5 | 88.8  | 224.9 | 35.1  | 237.9 |      |
| 24          | 52.4  | 119.7 | 144.9 | 39.7  | 86.3  | 231.4 | 75.1  | 224.9 | 88.8  | 191.5 | 33.5  | 476.5 |      |
| 25          | 46.7  | 81.7  | 122.5 | 38.2  | 79.5  | 200.5 | 75.1  | 173.7 | 91.3  | 167.8 | 32.0  | 376.4 |      |
| 26          | 44.8  | 64.1  | 98.7  | 36.7  | 77.3  | 167.8 | 75.1  | 162.0 | 88.8  | 150.6 | 32.0  | 480.3 |      |
| 27          | 44.8  | 58.1  | 83.9  | 36.7  | 72.9  | 156.3 | 75.1  | 300.0 | 108.6 | 156.3 | 33.5  | 610.4 |      |
| 28          | 56.2  | 56.2  | 72.9  | 38.2  | 68.5  | 156.3 | 81.7  | 383.7 | 96.3  | 142.0 | 35.1  | 465.1 |      |
| 29          | 48.6  |       | 66.3  | 38.2  | 64.1  | 296.6 | 142.0 | 354.9 | 119.7 | 125.2 | 41.4  | 327.4 |      |
| 30          | 48.6  |       | 60.0  | 36.7  | 56.2  | 527.7 | 182.6 | 317.2 | 147.7 | 116.9 | 39.7  | 283.2 |      |
| 31          | 44.8  |       | 68.5  |       | 52.4  |       | 188.5 | 247.6 |       | 103.7 |       | 380.1 |      |
| Mean        | 124.0 | 99.0  | 103.2 | 70.3  | 79.3  | 228.0 | 209.3 | 136.0 | 161.3 | 144.5 | 56.7  | 175.3 |      |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (16/25)

| Year | : 1971 |       |       |        |       |        |        |       |       |       |      |      |
|------|--------|-------|-------|--------|-------|--------|--------|-------|-------|-------|------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.   | May   | Jun.   | Jul.   | Aug.  | Sep.  | Oct.  | Nov. | Dec. |
| 1    | 531.8  | 200.5 | 179.6 | 234.6  | 263.8 | 103.7  | 159.1  | 107.8 | 106.2 | 200.5 | 64.1 | 42.9 |
| 2    | 778.1  | 203.6 | 164.9 | 188.5  | 209.7 | 101.2  | 170.8  | 95.1  | 101.2 | 147.7 | 68.5 | 50.5 |
| 3    | 743.8  | 153.4 | 147.7 | 164.9  | 182.6 | 101.2  | 209.7  | 92.3  | 88.8  | 114.2 | 68.5 | 72.9 |
| 4    | 655.8  | 130.7 | 200.5 | 150.6  | 173.7 | 106.2  | 893.9  | 91.0  | 81.7  | 122.5 | 66.3 | 88.8 |
| 5    | 651.7  | 136.3 | 361.9 | 136.3  | 247.6 | 170.8  | 1417.5 | 86.8  | 77.3  | 111.4 | 58.1 | 70.7 |
| 6    | 799.6  | 142.0 | 503.2 | 122.5  | 380.1 | 260.5  | 979.2  | 86.8  | 130.7 | 106.2 | 52.4 | 58.1 |
| 7    | 697.2  | 147.7 | 446.0 | 122.5  | 560.7 | 267.0  | 676.5  | 99.4  | 270.3 | 162.0 | 48.6 | 52.4 |
| 8    | 573.1  | 176.7 | 334.3 | 125.2  | 974.5 | 761.0  | 430.8  | 284.0 | 241.1 | 194.4 | 46.7 | 42.9 |
| 9    | 449.8  | 159.1 | 293.1 | 139.1  | 795.3 | 1859.8 | 334.3  | 235.7 | 206.6 | 182.6 | 50.5 | 38.2 |
| 10   | 635.2  | 133.5 | 293.1 | 191.5  | 499.4 | 1159.8 | 286.5  | 190.3 | 153.4 | 203.6 | 56.2 | 36.7 |
| 11   | 885.3  | 173.7 | 286.5 | 147.7  | 341.2 | 812.4  | 254.1  | 173.6 | 114.2 | 276.7 | 54.3 | 35.1 |
| 12   | 765.2  | 209.7 | 296.6 | 119.7  | 267.0 | 618.7  | 231.4  | 166.5 | 139.1 | 523.6 | 50.5 | 33.5 |
| 13   | 668.3  | 224.9 | 273.5 | 106.2  | 228.1 | 365.6  | 218.8  | 158.2 | 150.6 | 461.2 | 48.6 | 32.0 |
| 14   | 846.7  | 409.0 | 254.1 | 103.7  | 206.6 | 289.7  | 197.5  | 148.2 | 142.0 | 306.9 | 44.8 | 44.8 |
| 15   | 487.9  | 387.3 | 293.1 | 122.5  | 197.5 | 247.6  | 182.6  | 141.3 | 136.3 | 221.9 | 42.9 | 41.4 |
| 16   | 327.4  | 289.7 | 337.7 | 300.0  | 176.7 | 209.7  | 176.7  | 130.1 | 125.2 | 173.7 | 41.4 | 36.7 |
| 17   | 263.8  | 303.4 | 337.7 | 507.0  | 167.8 | 191.5  | 150.6  | 118.9 | 122.5 | 142.0 | 41.4 | 32.0 |
| 18   | 224.9  | 273.5 | 334.3 | 337.7  | 147.7 | 170.8  | 144.9  | 110.6 | 108.6 | 125.2 | 39.7 | 35.1 |
| 19   | 197.5  | 209.7 | 270.3 | 228.1  | 139.1 | 162.0  | 139.1  | 106.3 | 98.7  | 116.9 | 50.5 | 39.7 |
| 20   | 179.6  | 182.6 | 320.6 | 206.6  | 136.3 | 153.4  | 136.3  | 93.7  | 91.3  | 111.4 | 46.7 | 36.7 |
| 21   | 162.0  | 250.8 | 300.0 | 655.8  | 136.3 | 156.3  | 128.0  | 92.3  | 88.8  | 101.2 | 42.9 | 35.1 |
| 22   | 156.3  | 351.5 | 334.3 | 1155.1 | 122.5 | 162.0  | 125.2  | 89.6  | 83.9  | 96.3  | 39.7 | 32.0 |
| 23   | 209.7  | 449.8 | 354.9 | 851.0  | 111.4 | 167.8  | 125.2  | 88.2  | 91.3  | 88.8  | 39.7 | 32.0 |
| 24   | 173.7  | 405.4 | 286.5 | 573.1  | 106.2 | 162.0  | 122.5  | 85.4  | 106.2 | 83.9  | 38.2 | 30.5 |
| 25   | 144.9  | 468.9 | 247.6 | 401.8  | 142.0 | 153.4  | 106.2  | 153.9 | 93.8  | 106.2 | 38.2 | 30.5 |
| 26   | 128.0  | 337.7 | 257.3 | 324.0  | 200.5 | 142.0  | 101.2  | 127.3 | 83.9  | 101.2 | 50.5 | 28.9 |
| 27   | 133.5  | 254.1 | 552.4 | 257.3  | 170.8 | 147.7  | 96.3   | 107.8 | 91.3  | 91.3  | 72.9 | 27.4 |
| 28   | 128.0  | 206.6 | 635.2 | 224.9  | 142.0 | 162.0  | 91.3   | 89.6  | 209.7 | 81.7  | 66.3 | 27.4 |
| 29   | 122.5  |       | 614.5 | 191.5  | 128.0 | 182.6  | 98.7   | 82.7  | 327.4 | 75.1  | 58.1 | 24.9 |
| 30   | 142.0  |       | 499.4 | 218.8  | 111.4 | 170.8  | 128.0  | 75.8  | 270.3 | 68.5  | 50.5 | 23.7 |
| 31   | 197.5  |       | 337.7 |        | 108.6 |        | 125.2  | 84.0  |       | 64.1  |      | 22.5 |
| Mean | 421.3  | 249.0 | 333.8 | 286.9  | 250.8 | 324.0  | 278.6  | 122.4 | 137.7 | 160.1 | 51.3 | 39.9 |

| Year | : 1972 |        |       |       |      |       |       |        |        |        |       |       |
|------|--------|--------|-------|-------|------|-------|-------|--------|--------|--------|-------|-------|
| Day  | Jan.   | Feb.   | Mar.  | Apr.  | May  | Jun.  | Jul.  | Aug.   | Sep.   | Oct.   | Nov.  | Dec.  |
| 1    | 23.7   | 39.7   | 241.1 | 390.9 | 56.2 | 33.5  | 68.5  | 88.8   | 684.8  | 472.7  | 182.6 | 182.6 |
| 2    | 27.4   | 44.8   | 185.5 | 300.0 | 52.4 | 33.5  | 64.1  | 81.7   | 476.5  | 405.4  | 179.6 | 215.8 |
| 3    | 28.9   | 52.4   | 156.3 | 241.1 | 50.5 | 33.5  | 60.0  | 133.5  | 341.2  | 581.4  | 170.8 | 544.3 |
| 4    | 32.0   | 46.7   | 150.6 | 247.6 | 48.6 | 36.7  | 60.0  | 1127.4 | 286.5  | 1136.6 | 162.0 | 476.5 |
| 5    | 42.9   | 41.4   | 128.0 | 218.8 | 44.8 | 41.4  | 91.3  | 668.3  | 383.7  | 906.8  | 150.6 | 416.3 |
| 6    | 75.1   | 35.1   | 156.3 | 188.5 | 46.7 | 61.9  | 133.5 | 480.3  | 739.5  | 635.2  | 133.5 | 303.4 |
| 7    | 159.1  | 32.0   | 212.7 | 162.0 | 44.8 | 91.3  | 125.2 | 405.4  | 593.8  | 499.4  | 122.5 | 241.1 |
| 8    | 96.3   | 33.5   | 260.5 | 139.1 | 44.8 | 83.9  | 150.6 | 303.4  | 476.5  | 446.0  | 133.5 | 206.6 |
| 9    | 61.9   | 41.4   | 234.6 | 122.5 | 44.8 | 68.5  | 167.8 | 254.1  | 398.2  | 351.5  | 164.9 | 185.5 |
| 10   | 48.6   | 70.7   | 263.8 | 111.4 | 42.9 | 60.0  | 108.6 | 209.7  | 365.6  | 320.6  | 162.0 | 170.8 |
| 11   | 42.9   | 111.4  | 237.9 | 101.2 | 42.9 | 50.5  | 96.3  | 182.6  | 334.3  | 286.5  | 139.1 | 162.0 |
| 12   | 35.1   | 170.8  | 167.8 | 93.8  | 42.9 | 60.0  | 88.8  | 156.3  | 303.4  | 254.1  | 133.5 | 133.5 |
| 13   | 33.5   | 398.2  | 150.6 | 83.9  | 42.9 | 72.9  | 83.9  | 147.7  | 273.5  | 224.9  | 167.8 | 119.7 |
| 14   | 39.7   | 602.1  | 130.7 | 81.7  | 41.4 | 83.9  | 77.3  | 133.5  | 254.1  | 200.5  | 344.6 | 101.2 |
| 15   | 44.8   | 536.0  | 106.2 | 83.9  | 41.4 | 91.3  | 106.2 | 119.7  | 234.6  | 244.3  | 310.3 | 93.8  |
| 16   | 42.9   | 434.6  | 98.7  | 114.2 | 41.4 | 88.8  | 144.9 | 116.9  | 206.6  | 273.5  | 257.3 | 83.9  |
| 17   | 41.4   | 334.3  | 98.7  | 96.3  | 39.7 | 133.5 | 197.5 | 106.2  | 182.6  | 270.3  | 228.1 | 75.1  |
| 18   | 41.4   | 859.6  | 116.9 | 86.3  | 39.7 | 267.0 | 324.0 | 101.2  | 330.9  | 270.3  | 218.8 | 72.9  |
| 19   | 50.5   | 1242.1 | 139.1 | 77.3  | 39.7 | 919.6 | 387.3 | 98.7   | 631.1  | 234.6  | 289.7 | 77.3  |
| 20   | 83.9   | 1085.6 | 133.5 | 68.5  | 38.2 | 495.6 | 276.7 | 88.8   | 449.8  | 209.7  | 300.0 | 81.7  |
| 21   | 173.7  | 693.1  | 103.7 | 64.1  | 38.2 | 310.3 | 191.5 | 91.3   | 409.0  | 176.7  | 244.3 | 91.3  |
| 22   | 200.5  | 438.4  | 88.8  | 61.9  | 36.7 | 218.8 | 162.0 | 98.7   | 383.7  | 153.4  | 206.6 | 106.2 |
| 23   | 182.6  | 293.1  | 81.7  | 61.9  | 36.7 | 167.8 | 147.7 | 122.5  | 351.5  | 142.0  | 191.5 | 125.2 |
| 24   | 159.1  | 206.6  | 75.1  | 60.0  | 38.2 | 130.7 | 139.1 | 103.7  | 317.2  | 153.4  | 179.6 | 228.1 |
| 25   | 86.3   | 170.8  | 70.7  | 58.1  | 36.7 | 106.2 | 130.7 | 354.9  | 289.7  | 144.9  | 173.7 | 348.0 |
| 26   | 60.0   | 228.1  | 142.0 | 56.2  | 36.7 | 88.8  | 114.2 | 1573.6 | 267.0  | 133.5  | 167.8 | 209.7 |
| 27   | 52.4   | 324.0  | 125.2 | 64.1  | 35.1 | 86.3  | 130.7 | 1620.4 | 540.1  | 153.4  | 162.0 | 144.9 |
| 28   | 46.7   | 334.3  | 106.2 | 61.9  | 35.1 | 83.9  | 119.7 | 2017.5 | 1338.9 | 188.5  | 147.7 | 106.2 |
| 29   | 52.4   | 283.2  | 170.8 | 60.0  | 35.1 | 77.3  | 108.6 | 1719.3 | 791.0  | 221.9  | 144.9 | 93.8  |
| 30   | 48.6   |        | 283.2 | 58.1  | 35.1 | 72.9  | 96.3  | 1276.0 | 631.1  | 206.6  | 147.7 | 114.2 |
| 31   | 42.9   |        | 348.0 |       | 33.5 |       | 96.3  | 859.6  |        | 194.4  |       | 96.3  |
| Mean | 69.6   | 316.7  | 160.2 | 120.5 | 41.4 | 138.4 | 137.1 | 478.8  | 442.2  | 325.6  | 190.6 | 180.9 |

Note : unit ; cms

III - A41

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (17/25)

| Year | : 1973 |       |       |       |       |        |        |        |       |       |       |       |
|------|--------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.   | Jul.   | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 88.8   | 270.3 | 119.7 | 68.5  | 176.7 | 106.2  | 337.7  | 156.3  | 618.7 | 254.1 | 147.7 | 68.5  |
| 2    | 93.8   | 231.4 | 116.9 | 68.5  | 139.1 | 101.2  | 334.3  | 144.9  | 527.7 | 241.1 | 179.6 | 64.1  |
| 3    | 119.7  | 200.5 | 133.5 | 66.3  | 116.9 | 96.3   | 303.4  | 136.3  | 405.4 | 224.9 | 228.1 | 66.3  |
| 4    | 153.4  | 159.1 | 144.9 | 64.1  | 108.6 | 98.7   | 283.2  | 128.0  | 401.8 | 212.7 | 185.5 | 75.1  |
| 5    | 250.8  | 286.5 | 156.3 | 66.3  | 106.2 | 91.3   | 228.1  | 119.7  | 412.6 | 191.5 | 156.3 | 86.3  |
| 6    | 191.5  | 206.6 | 139.1 | 72.9  | 114.2 | 86.3   | 179.6  | 111.4  | 344.6 | 182.6 | 144.9 | 103.7 |
| 7    | 142.0  | 170.8 | 103.7 | 68.5  | 191.5 | 81.7   | 153.4  | 106.2  | 324.0 | 176.7 | 133.5 | 108.6 |
| 8    | 153.4  | 136.3 | 96.3  | 64.1  | 156.3 | 81.7   | 139.1  | 103.7  | 310.3 | 162.0 | 125.2 | 139.1 |
| 9    | 147.7  | 122.5 | 142.0 | 56.2  | 142.0 | 91.3   | 122.5  | 98.7   | 293.1 | 156.3 | 114.2 | 162.0 |
| 10   | 125.2  | 114.2 | 200.5 | 64.1  | 128.0 | 128.0  | 114.2  | 96.3   | 303.4 | 142.0 | 106.2 | 106.2 |
| 11   | 114.2  | 103.7 | 176.7 | 61.9  | 116.9 | 116.9  | 106.2  | 106.2  | 257.3 | 320.6 | 101.2 | 88.8  |
| 12   | 130.7  | 96.3  | 144.9 | 58.1  | 106.2 | 101.2  | 103.7  | 237.9  | 276.7 | 337.7 | 98.7  | 79.5  |
| 13   | 133.5  | 119.7 | 122.5 | 58.1  | 103.7 | 93.8   | 98.7   | 735.2  | 293.1 | 263.8 | 98.7  | 72.9  |
| 14   | 128.0  | 147.7 | 108.6 | 56.2  | 91.3  | 86.3   | 96.3   | 1039.3 | 387.3 | 218.8 | 103.7 | 75.1  |
| 15   | 164.9  | 273.5 | 96.3  | 54.3  | 83.9  | 79.5   | 93.8   | 635.2  | 705.5 | 188.5 | 103.7 | 96.3  |
| 16   | 176.7  | 317.2 | 86.3  | 54.3  | 81.7  | 77.3   | 91.3   | 438.4  | 660.0 | 167.8 | 88.8  | 83.9  |
| 17   | 159.1  | 344.6 | 79.5  | 54.3  | 75.1  | 81.7   | 93.8   | 390.9  | 639.4 | 156.3 | 101.2 | 77.3  |
| 18   | 119.7  | 276.7 | 75.1  | 93.8  | 68.5  | 215.8  | 88.8   | 320.6  | 726.7 | 147.7 | 162.0 | 70.7  |
| 19   | 93.8   | 231.4 | 70.7  | 276.7 | 68.5  | 446.0  | 88.8   | 296.6  | 639.4 | 144.9 | 218.8 | 81.7  |
| 20   | 96.3   | 188.5 | 86.3  | 296.6 | 66.3  | 310.3  | 88.8   | 247.6  | 660.0 | 136.3 | 164.9 | 194.4 |
| 21   | 111.4  | 209.7 | 83.9  | 206.6 | 341.2 | 203.6  | 273.5  | 250.8  | 693.1 | 130.7 | 125.2 | 209.7 |
| 22   | 162.0  | 179.6 | 81.7  | 153.4 | 816.7 | 164.9  | 1309.9 | 585.6  | 622.8 | 119.7 | 106.2 | 164.9 |
| 23   | 188.5  | 191.5 | 83.9  | 125.2 | 380.1 | 185.5  | 1076.4 | 1099.6 | 527.7 | 142.0 | 93.8  | 125.2 |
| 24   | 218.8  | 212.7 | 91.3  | 101.2 | 257.3 | 956.0  | 705.5  | 735.2  | 453.6 | 250.8 | 98.7  | 111.4 |
| 25   | 344.6  | 179.6 | 136.3 | 88.8  | 228.1 | 1989.5 | 446.0  | 536.0  | 387.3 | 212.7 | 130.7 | 147.7 |
| 26   | 430.8  | 142.0 | 130.7 | 86.3  | 215.8 | 1193.7 | 372.8  | 639.4  | 327.4 | 167.8 | 136.3 | 176.7 |
| 27   | 419.9  | 128.0 | 106.2 | 83.9  | 194.4 | 651.7  | 351.5  | 1081.1 | 283.2 | 147.7 | 108.6 | 150.6 |
| 28   | 337.7  | 130.7 | 88.8  | 83.9  | 188.5 | 442.2  | 324.0  | 1812.9 | 260.5 | 139.1 | 98.7  | 116.9 |
| 29   | 296.6  |       | 86.3  | 88.8  | 162.0 | 394.5  | 280.0  | 2129.5 | 250.8 | 125.2 | 83.9  | 111.4 |
| 30   | 351.5  |       | 81.7  | 119.7 | 142.0 | 369.2  | 218.8  | 1290.5 | 257.3 | 111.4 | 72.9  | 128.0 |
| 31   | 330.9  |       | 75.1  |       | 116.9 |        | 173.7  | 842.4  |       | 119.7 |       | 167.8 |
| Mean | 192.8  | 191.8 | 111.1 | 95.4  | 170.5 | 304.1  | 279.9  | 537.2  | 441.7 | 183.7 | 127.3 | 113.3 |

| Year | : 1974 |       |       |       |      |       |       |       |       |       |       |       |
|------|--------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 221.9  | 191.5 | 270.3 | 142.0 | 79.5 | 42.9  | 81.7  | 147.7 | 915.3 | 64.1  | 107.8 | 54.3  |
| 2    | 247.6  | 147.7 | 218.8 | 150.6 | 75.1 | 41.4  | 77.3  | 133.5 | 548.3 | 61.9  | 67.4  | 58.1  |
| 3    | 218.8  | 144.9 | 212.7 | 136.3 | 70.7 | 39.7  | 72.9  | 122.5 | 365.6 | 58.1  | 63.2  | 64.1  |
| 4    | 176.7  | 164.9 | 412.6 | 122.5 | 66.3 | 39.7  | 64.1  | 116.9 | 289.7 | 61.9  | 60.5  | 58.1  |
| 5    | 130.7  | 200.5 | 341.2 | 114.2 | 61.9 | 38.2  | 61.9  | 111.4 | 280.0 | 72.9  | 89.6  | 50.5  |
| 6    | 111.4  | 188.5 | 409.0 | 106.2 | 58.1 | 36.7  | 60.0  | 108.6 | 416.3 | 70.7  | 276.1 | 46.7  |
| 7    | 106.2  | 191.5 | 306.9 | 106.2 | 56.2 | 54.3  | 58.1  | 98.7  | 446.0 | 66.3  | 172.2 | 44.8  |
| 8    | 215.8  | 144.9 | 267.0 | 103.7 | 54.3 | 79.5  | 58.1  | 91.3  | 361.9 | 61.9  | 123.0 | 42.9  |
| 9    | 756.7  | 122.5 | 206.6 | 93.8  | 54.3 | 170.8 | 56.2  | 83.9  | 276.7 | 58.1  | 72.9  | 41.4  |
| 10   | 581.4  | 103.7 | 182.6 | 86.3  | 61.9 | 194.4 | 56.2  | 79.5  | 237.9 | 54.3  | 61.9  | 39.7  |
| 11   | 427.1  | 91.3  | 200.5 | 83.9  | 60.0 | 197.5 | 54.3  | 75.1  | 200.5 | 52.4  | 59.1  | 39.7  |
| 12   | 334.3  | 86.3  | 247.6 | 81.7  | 56.2 | 128.0 | 52.4  | 70.7  | 173.7 | 50.5  | 57.7  | 38.2  |
| 13   | 267.0  | 79.5  | 224.9 | 79.5  | 52.4 | 91.3  | 50.5  | 70.7  | 156.3 | 46.7  | 59.1  | 38.2  |
| 14   | 200.5  | 75.1  | 194.4 | 79.5  | 48.6 | 72.9  | 48.6  | 68.5  | 144.9 | 44.8  | 59.1  | 38.2  |
| 15   | 197.5  | 79.5  | 191.5 | 77.3  | 48.6 | 66.3  | 48.6  | 66.3  | 136.3 | 42.9  | 56.2  | 36.7  |
| 16   | 176.7  | 91.3  | 257.3 | 70.7  | 48.6 | 61.9  | 46.7  | 64.1  | 119.7 | 41.4  | 47.3  | 36.7  |
| 17   | 153.4  | 125.2 | 536.0 | 64.1  | 46.7 | 79.5  | 46.7  | 61.9  | 116.9 | 42.9  | 46.0  | 35.1  |
| 18   | 142.0  | 257.3 | 354.9 | 70.7  | 46.7 | 106.2 | 46.7  | 60.0  | 98.7  | 42.9  | 44.7  | 35.1  |
| 19   | 133.5  | 334.3 | 270.3 | 66.3  | 48.6 | 114.2 | 44.8  | 58.1  | 98.7  | 41.4  | 56.2  | 35.1  |
| 20   | 156.3  | 276.7 | 203.6 | 64.1  | 52.4 | 98.7  | 52.4  | 56.2  | 91.3  | 39.7  | 162.3 | 42.9  |
| 21   | 250.8  | 250.8 | 182.6 | 66.3  | 56.2 | 93.8  | 68.5  | 54.3  | 86.3  | 38.2  | 274.6 | 44.8  |
| 22   | 228.1  | 327.4 | 224.9 | 70.7  | 52.4 | 128.0 | 303.4 | 52.4  | 83.9  | 38.2  | 234.2 | 42.9  |
| 23   | 167.8  | 430.8 | 334.3 | 70.7  | 48.6 | 125.2 | 803.8 | 52.4  | 77.3  | 38.2  | 138.5 | 36.7  |
| 24   | 142.0  | 622.8 | 527.7 | 68.5  | 44.8 | 106.2 | 838.2 | 50.5  | 72.9  | 46.7  | 100.8 | 35.1  |
| 25   | 125.2  | 651.7 | 449.8 | 81.7  | 44.8 | 98.7  | 664.1 | 48.6  | 68.5  | 101.2 | 89.6  | 33.5  |
| 26   | 159.1  | 527.7 | 390.9 | 139.1 | 46.7 | 111.4 | 461.2 | 48.6  | 68.5  | 133.5 | 77.0  | 32.0  |
| 27   | 263.8  | 416.3 | 334.3 | 119.7 | 48.6 | 106.2 | 398.2 | 50.5  | 77.3  | 283.2 | 68.8  | 30.5  |
| 28   | 334.3  | 317.2 | 283.2 | 98.7  | 50.5 | 98.7  | 280.0 | 52.4  | 93.8  | 273.5 | 57.7  | 35.1  |
| 29   | 267.0  |       | 241.1 | 88.8  | 46.7 | 93.8  | 215.8 | 54.3  | 86.3  | 221.9 | 56.2  | 60.0  |
| 30   | 221.9  |       | 191.5 | 83.9  | 44.8 | 86.3  | 176.7 | 56.2  | 72.9  | 173.7 | 55.0  | 70.7  |
| 31   | 215.8  |       | 159.1 |       | 42.9 |       | 159.1 | 122.5 |       | 108.6 |       | 122.5 |
| Mean | 236.5  | 237.2 | 284.8 | 92.9  | 54.0 | 93.4  | 177.7 | 77.1  | 208.8 | 81.7  | 96.5  | 45.8  |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (18/25)

| Year : 1975 |       |       |       |       |       |       |       |       |        |        |       |        |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|
| Day         | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.   | Oct.   | Nov.  | Dec.   |
| 1           | 173.7 | 75.1  | 209.7 | 170.8 | 48.6  | 54.3  | 68.5  | 48.6  | 341.2  | 664.1  | 170.8 | 254.1  |
| 2           | 142.0 | 91.3  | 153.4 | 150.6 | 60.0  | 88.8  | 61.9  | 46.7  | 531.8  | 2084.7 | 156.3 | 409.0  |
| 3           | 93.8  | 116.9 | 116.9 | 101.2 | 75.1  | 150.6 | 60.0  | 46.7  | 383.7  | 2292.0 | 147.7 | 457.4  |
| 4           | 66.3  | 101.2 | 91.3  | 93.8  | 70.7  | 162.0 | 58.1  | 48.6  | 303.4  | 1280.8 | 142.0 | 423.5  |
| 5           | 54.3  | 83.9  | 142.0 | 101.2 | 61.9  | 144.9 | 58.1  | 68.5  | 250.8  | 812.4  | 133.5 | 564.9  |
| 6           | 50.5  | 66.3  | 179.6 | 91.3  | 56.2  | 136.3 | 68.5  | 317.2 | 212.7  | 680.7  | 128.0 | 664.1  |
| 7           | 70.7  | 54.3  | 179.6 | 83.9  | 48.6  | 203.6 | 79.5  | 651.7 | 203.6  | 523.6  | 136.3 | 722.4  |
| 8           | 101.2 | 52.4  | 185.5 | 79.5  | 46.7  | 203.6 | 66.3  | 585.6 | 337.7  | 442.2  | 128.0 | 651.7  |
| 9           | 182.6 | 50.5  | 224.9 | 77.3  | 44.8  | 150.6 | 61.9  | 614.5 | 383.7  | 383.7  | 108.6 | 606.3  |
| 10          | 153.4 | 48.6  | 209.7 | 72.9  | 42.9  | 111.4 | 58.1  | 726.7 | 334.3  | 354.9  | 98.7  | 701.4  |
| 11          | 197.5 | 48.6  | 162.0 | 66.3  | 39.7  | 96.3  | 56.2  | 560.7 | 405.4  | 344.6  | 91.3  | 581.4  |
| 12          | 191.5 | 46.7  | 150.6 | 66.3  | 38.2  | 93.8  | 54.3  | 383.7 | 1338.9 | 337.7  | 88.8  | 552.4  |
| 13          | 150.6 | 44.8  | 116.9 | 64.1  | 39.7  | 111.4 | 52.4  | 300.0 | 1309.9 | 324.0  | 81.7  | 1108.8 |
| 14          | 114.2 | 48.6  | 116.9 | 61.9  | 39.7  | 128.0 | 50.5  | 260.5 | 919.6  | 446.0  | 79.5  | 881.0  |
| 15          | 91.3  | 42.9  | 108.6 | 66.3  | 36.7  | 114.2 | 52.4  | 241.1 | 635.2  | 680.7  | 75.1  | 660.0  |
| 16          | 98.7  | 38.2  | 98.7  | 68.5  | 38.2  | 91.3  | 106.2 | 224.9 | 405.4  | 491.7  | 70.7  | 465.1  |
| 17          | 122.5 | 44.8  | 91.3  | 68.5  | 93.8  | 81.7  | 250.8 | 203.6 | 369.2  | 390.9  | 106.2 | 398.2  |
| 18          | 103.7 | 81.7  | 91.3  | 61.9  | 337.7 | 93.8  | 188.5 | 182.6 | 376.4  | 330.9  | 159.1 | 327.4  |
| 19          | 96.3  | 68.5  | 98.7  | 56.2  | 244.3 | 91.3  | 136.3 | 156.3 | 383.7  | 296.6  | 136.3 | 320.6  |
| 20          | 83.9  | 61.9  | 106.2 | 52.4  | 170.8 | 88.8  | 101.2 | 142.0 | 358.3  | 247.6  | 125.2 | 320.6  |
| 21          | 81.7  | 56.2  | 156.3 | 46.7  | 125.2 | 91.3  | 91.3  | 125.2 | 372.8  | 218.8  | 136.3 | 310.3  |
| 22          | 66.3  | 54.3  | 313.7 | 44.8  | 101.2 | 83.9  | 83.9  | 114.2 | 468.9  | 185.5  | 142.0 | 286.5  |
| 23          | 58.1  | 52.4  | 289.7 | 42.9  | 88.8  | 81.7  | 75.1  | 108.6 | 573.1  | 162.0  | 150.6 | 334.3  |
| 24          | 50.5  | 48.6  | 260.5 | 44.8  | 75.1  | 86.3  | 68.5  | 101.2 | 593.8  | 144.9  | 293.1 | 313.7  |
| 25          | 44.8  | 50.5  | 250.8 | 46.7  | 68.5  | 81.7  | 64.1  | 91.3  | 476.5  | 133.5  | 503.2 | 289.7  |
| 26          | 42.9  | 91.3  | 228.1 | 42.9  | 64.1  | 77.3  | 61.9  | 86.3  | 427.1  | 133.5  | 476.5 | 234.6  |
| 27          | 48.6  | 224.9 | 206.6 | 41.4  | 61.9  | 75.1  | 58.1  | 75.1  | 380.1  | 125.2  | 348.0 | 241.1  |
| 28          | 70.7  | 306.9 | 185.5 | 41.4  | 58.1  | 68.5  | 56.2  | 70.7  | 401.8  | 125.2  | 276.7 | 270.3  |
| 29          | 96.3  |       | 170.8 | 41.4  | 56.2  | 60.0  | 54.3  | 66.3  | 390.9  | 119.7  | 231.4 | 273.5  |
| 30          | 81.7  |       | 228.1 | 44.8  | 54.3  | 75.1  | 52.4  | 83.9  | 536.0  | 119.7  | 244.3 | 218.8  |
| 31          | 68.5  |       | 212.7 |       | 52.4  |       | 50.5  | 144.9 |        | 133.5  |       | 167.8  |
| Mean        | 98.3  | 76.9  | 172.2 | 69.8  | 78.7  | 105.9 | 77.6  | 221.9 | 480.2  | 484.2  | 172.2 | 452.0  |

| Year : 1976 |       |       |       |       |        |        |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| Day         | Jan.  | Feb.  | Mar.  | Apr.  | May    | Jun.   | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1           | 153.4 | 159.1 | 86.3  | 108.6 | 54.3   | 484.1  | 111.4 | 369.2 | 108.6 | 81.7  | 128.0 | 560.7 |
| 2           | 147.7 | 203.6 | 86.3  | 101.2 | 54.3   | 427.1  | 106.2 | 327.4 | 106.2 | 75.1  | 119.7 | 997.7 |
| 3           | 136.3 | 194.4 | 96.3  | 93.8  | 52.4   | 348.0  | 108.6 | 267.0 | 98.7  | 72.9  | 116.9 | 735.2 |
| 4           | 133.5 | 159.1 | 276.7 | 88.8  | 50.5   | 313.7  | 119.7 | 234.6 | 114.2 | 75.1  | 139.1 | 468.9 |
| 5           | 142.0 | 139.1 | 387.3 | 86.3  | 50.5   | 527.7  | 116.9 | 306.9 | 170.8 | 91.3  | 267.0 | 401.8 |
| 6           | 136.3 | 130.7 | 449.8 | 111.4 | 48.6   | 1188.9 | 106.2 | 515.3 | 270.3 | 111.4 | 405.4 | 405.4 |
| 7           | 147.7 | 133.5 | 405.4 | 119.7 | 48.6   | 668.3  | 101.2 | 499.4 | 405.4 | 106.2 | 334.3 | 387.3 |
| 8           | 203.6 | 119.7 | 289.7 | 108.6 | 50.5   | 430.8  | 103.7 | 358.3 | 531.8 | 81.7  | 244.3 | 531.8 |
| 9           | 247.6 | 98.7  | 254.1 | 96.3  | 48.6   | 361.9  | 133.5 | 511.1 | 495.6 | 86.3  | 191.5 | 647.7 |
| 10          | 209.7 | 101.2 | 185.5 | 150.6 | 56.2   | 398.2  | 128.0 | 988.4 | 416.3 | 93.8  | 159.1 | 465.1 |
| 11          | 267.0 | 93.8  | 257.3 | 179.6 | 106.2  | 556.6  | 114.2 | 863.9 | 337.7 | 96.3  | 130.7 | 376.4 |
| 12          | 401.8 | 81.7  | 197.5 | 147.7 | 150.6  | 480.3  | 108.6 | 622.8 | 254.1 | 79.5  | 114.2 | 283.2 |
| 13          | 573.1 | 77.3  | 162.0 | 122.5 | 103.7  | 419.9  | 106.2 | 499.4 | 224.9 | 70.7  | 106.2 | 212.7 |
| 14          | 564.9 | 75.1  | 164.9 | 111.4 | 114.2  | 412.6  | 114.2 | 423.5 | 215.8 | 66.3  | 101.2 | 170.8 |
| 15          | 495.6 | 91.3  | 156.3 | 101.2 | 156.3  | 390.9  | 116.9 | 303.4 | 191.5 | 66.3  | 98.7  | 147.7 |
| 16          | 468.9 | 70.7  | 162.0 | 96.3  | 182.6  | 317.2  | 106.2 | 267.0 | 173.7 | 128.0 | 98.7  | 136.3 |
| 17          | 383.7 | 72.9  | 156.3 | 88.8  | 156.3  | 263.8  | 98.7  | 221.9 | 162.0 | 289.7 | 93.8  | 130.7 |
| 18          | 267.0 | 77.3  | 188.5 | 83.9  | 119.7  | 231.4  | 93.8  | 215.8 | 153.4 | 280.0 | 88.8  | 116.9 |
| 19          | 228.1 | 91.3  | 250.8 | 81.7  | 98.7   | 194.4  | 86.3  | 289.7 | 133.5 | 276.7 | 86.3  | 108.6 |
| 20          | 212.7 | 106.2 | 228.1 | 77.3  | 91.3   | 188.5  | 83.9  | 310.3 | 122.5 | 247.6 | 88.8  | 111.4 |
| 21          | 200.5 | 108.6 | 296.6 | 75.1  | 86.3   | 179.6  | 83.9  | 263.8 | 119.7 | 200.5 | 119.7 | 128.0 |
| 22          | 218.8 | 130.7 | 303.4 | 70.7  | 83.9   | 170.8  | 81.7  | 221.9 | 116.9 | 182.6 | 128.0 | 136.3 |
| 23          | 182.6 | 116.9 | 231.4 | 66.3  | 98.7   | 156.3  | 81.7  | 200.5 | 106.2 | 162.0 | 88.8  | 179.6 |
| 24          | 162.0 | 103.7 | 182.6 | 64.1  | 106.2  | 147.7  | 77.3  | 182.6 | 103.7 | 150.6 | 83.9  | 293.1 |
| 25          | 173.7 | 119.7 | 156.3 | 61.9  | 103.7  | 142.0  | 75.1  | 167.8 | 98.7  | 142.0 | 79.5  | 237.9 |
| 26          | 260.5 | 108.6 | 144.9 | 58.1  | 164.9  | 128.0  | 106.2 | 156.3 | 98.7  | 159.1 | 83.9  | 167.8 |
| 27          | 401.8 | 153.4 | 150.6 | 56.2  | 344.6  | 125.2  | 476.5 | 144.9 | 96.3  | 182.6 | 72.9  | 182.6 |
| 28          | 317.2 | 130.7 | 170.8 | 54.3  | 859.6  | 128.0  | 419.9 | 133.5 | 93.8  | 182.6 | 77.3  | 206.6 |
| 29          | 273.5 | 106.2 | 162.0 | 54.3  | 1474.7 | 114.2  | 376.4 | 130.7 | 88.8  | 162.0 | 68.5  | 191.5 |
| 30          | 221.9 |       | 136.3 | 52.4  | 965.3  | 114.2  | 341.2 | 114.2 | 79.5  | 150.6 | 66.3  | 144.9 |
| 31          | 176.7 |       | 119.7 |       | 689.0  |        | 383.7 | 106.2 |       | 139.1 |       | 119.7 |
| Mean        | 261.6 | 115.7 | 209.5 | 92.3  | 218.4  | 333.7  | 150.6 | 329.6 | 189.6 | 138.4 | 132.7 | 302.7 |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (19/25)

| Year | : 1977 |       |       |       |       |      |       |        |       |        |        |       |
|------|--------|-------|-------|-------|-------|------|-------|--------|-------|--------|--------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun. | Jul.  | Aug.   | Sep.  | Oct.   | Nov.   | Dec.  |
| 1    | 116.8  | 303.3 | 98.6  | 419.8 | 79.4  | 48.6 | 46.7  | 79.4   | 218.7 | 293.0  | 139.1  | 173.6 |
| 2    | 111.3  | 247.5 | 231.3 | 412.6 | 77.2  | 46.7 | 44.8  | 170.7  | 167.7 | 808.1  | 130.7  | 162.0 |
| 3    | 159.1  | 254.0 | 200.4 | 365.5 | 75.0  | 46.7 | 44.8  | 173.6  | 153.4 | 577.2  | 173.6  | 159.1 |
| 4    | 200.4  | 330.8 | 244.3 | 266.9 | 75.0  | 46.7 | 41.3  | 130.7  | 150.6 | 405.3  | 228.1  | 162.0 |
| 5    | 276.7  | 351.4 | 257.3 | 247.5 | 75.0  | 44.8 | 39.7  | 106.1  | 139.1 | 341.2  | 206.5  | 159.1 |
| 6    | 354.8  | 495.6 | 237.8 | 212.6 | 72.9  | 42.9 | 36.6  | 93.7   | 125.1 | 324.0  | 170.7  | 142.0 |
| 7    | 254.0  | 676.5 | 231.3 | 179.6 | 72.9  | 42.9 | 33.5  | 83.9   | 133.4 | 296.5  | 159.1  | 215.7 |
| 8    | 185.5  | 560.7 | 209.7 | 147.7 | 72.9  | 42.9 | 33.5  | 75.0   | 191.4 | 241.1  | 150.6  | 286.4 |
| 9    | 159.1  | 484.1 | 173.6 | 182.5 | 68.4  | 41.3 | 31.9  | 70.6   | 182.5 | 179.6  | 147.7  | 224.9 |
| 10   | 159.1  | 430.8 | 150.6 | 215.7 | 66.2  | 39.7 | 31.9  | 64.0   | 164.9 | 68.4   | 144.9  | 182.5 |
| 11   | 182.5  | 430.8 | 142.0 | 215.7 | 83.9  | 39.7 | 31.9  | 61.9   | 119.6 | 136.3  | 602.1  | 164.9 |
| 12   | 218.7  | 394.5 | 167.7 | 191.4 | 103.6 | 39.7 | 31.9  | 58.1   | 122.5 | 173.6  | 1251.7 | 156.3 |
| 13   | 221.8  | 394.5 | 188.4 | 159.1 | 86.2  | 38.2 | 30.4  | 58.1   | 106.1 | 468.9  | 730.9  | 139.1 |
| 14   | 237.8  | 369.1 | 164.9 | 139.1 | 75.0  | 38.2 | 30.4  | 61.9   | 93.7  | 730.9  | 523.5  | 127.9 |
| 15   | 412.6  | 317.1 | 139.1 | 127.9 | 70.6  | 36.6 | 33.5  | 68.4   | 91.2  | 564.8  | 412.6  | 114.1 |
| 16   | 408.9  | 270.2 | 188.4 | 116.8 | 64.0  | 36.6 | 44.8  | 283.1  | 156.3 | 684.8  | 361.8  | 106.1 |
| 17   | 419.8  | 231.3 | 209.7 | 114.1 | 61.9  | 36.6 | 52.4  | 1412.1 | 200.4 | 1510.9 | 270.2  | 101.1 |
| 18   | 668.2  | 188.4 | 162.0 | 142.0 | 58.1  | 38.2 | 50.5  | 1407.0 | 185.5 | 1071.4 | 209.7  | 91.2  |
| 19   | 1189.3 | 144.9 | 139.1 | 130.7 | 58.1  | 39.7 | 42.9  | 1029.8 | 159.1 | 761.0  | 164.9  | 88.7  |
| 20   | 928.2  | 125.1 | 111.3 | 116.8 | 54.3  | 46.7 | 41.3  | 833.9  | 139.1 | 606.2  | 139.1  | 86.2  |
| 21   | 718.1  | 119.6 | 136.3 | 111.3 | 54.3  | 60.0 | 38.2  | 610.4  | 122.5 | 480.3  | 144.9  | 106.1 |
| 22   | 556.5  | 111.3 | 188.4 | 119.6 | 50.5  | 61.9 | 42.9  | 465.1  | 111.3 | 412.6  | 150.6  | 114.1 |
| 23   | 453.6  | 103.6 | 237.8 | 116.8 | 50.5  | 60.0 | 98.6  | 423.4  | 101.1 | 369.1  | 164.9  | 98.6  |
| 24   | 405.3  | 103.6 | 231.3 | 106.1 | 50.5  | 58.1 | 218.7 | 405.3  | 101.1 | 303.3  | 167.7  | 93.7  |
| 25   | 446.0  | 93.7  | 182.5 | 93.7  | 48.6  | 64.0 | 250.7 | 408.9  | 96.3  | 283.1  | 200.4  | 88.7  |
| 26   | 347.9  | 88.7  | 185.5 | 91.2  | 48.6  | 72.9 | 197.4 | 390.8  | 86.2  | 313.6  | 203.5  | 86.2  |
| 27   | 299.9  | 101.1 | 176.6 | 88.7  | 48.6  | 60.0 | 125.1 | 303.3  | 77.2  | 299.9  | 182.5  | 79.4  |
| 28   | 270.2  | 103.6 | 167.7 | 83.9  | 48.6  | 58.1 | 103.6 | 263.7  | 75.0  | 247.5  | 221.8  | 79.4  |
| 29   | 257.3  |       | 191.4 | 81.6  | 48.6  | 54.3 | 86.2  | 247.5  | 70.6  | 191.4  | 231.3  | 66.2  |
| 30   | 283.1  |       | 231.3 | 79.4  | 48.6  | 50.5 | 81.6  | 215.7  | 75.0  | 147.7  | 206.5  | 68.4  |
| 31   | 276.7  |       | 289.7 |       | 48.6  |      | 72.9  | 254.0  |       | 127.9  |        | 68.4  |
| Mean | 360.6  | 279.5 | 189.2 | 169.2 | 64.4  | 47.8 | 67.4  | 332.6  | 130.6 | 432.9  | 273.0  | 128.8 |

| Year | : 1978 |       |       |      |      |      |       |       |       |       |       |        |
|------|--------|-------|-------|------|------|------|-------|-------|-------|-------|-------|--------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May  | Jun. | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.   |
| 1    | 64.0   | 156.3 | 58.1  | 66.2 | 30.4 | 22.4 | 30.4  | 68.4  | 44.8  | 64.0  | 185.5 | 70.6   |
| 2    | 75.0   | 122.5 | 83.9  | 61.9 | 30.4 | 22.4 | 30.4  | 64.0  | 46.7  | 60.0  | 182.5 | 66.2   |
| 3    | 75.0   | 119.6 | 296.5 | 58.1 | 33.5 | 22.4 | 28.9  | 60.0  | 96.3  | 56.2  | 133.4 | 60.0   |
| 4    | 68.4   | 153.4 | 334.2 | 50.5 | 33.5 | 22.4 | 27.3  | 56.2  | 327.4 | 54.3  | 136.3 | 56.2   |
| 5    | 60.0   | 153.4 | 218.7 | 50.5 | 31.9 | 22.4 | 27.3  | 54.3  | 487.9 | 52.4  | 185.5 | 64.0   |
| 6    | 58.1   | 125.1 | 162.0 | 50.5 | 31.9 | 21.2 | 27.3  | 50.5  | 369.1 | 50.5  | 159.1 | 98.6   |
| 7    | 56.2   | 108.6 | 125.1 | 46.7 | 31.9 | 21.2 | 28.9  | 46.7  | 273.5 | 46.7  | 125.1 | 125.1  |
| 8    | 60.0   | 88.7  | 96.3  | 44.8 | 30.4 | 50.5 | 27.3  | 42.9  | 206.5 | 46.7  | 101.1 | 108.6  |
| 9    | 75.0   | 79.4  | 79.4  | 42.9 | 28.9 | 91.2 | 26.1  | 42.9  | 197.4 | 44.8  | 88.7  | 83.9   |
| 10   | 79.4   | 70.6  | 77.2  | 42.9 | 27.3 | 77.2 | 26.1  | 41.3  | 159.1 | 42.9  | 83.9  | 81.6   |
| 11   | 77.2   | 61.9  | 116.8 | 41.3 | 26.1 | 52.4 | 24.9  | 41.3  | 133.4 | 46.7  | 83.9  | 79.4   |
| 12   | 61.9   | 64.0  | 408.9 | 39.7 | 26.1 | 38.2 | 24.9  | 46.7  | 114.1 | 48.6  | 75.0  | 66.2   |
| 13   | 60.0   | 61.9  | 344.5 | 39.7 | 26.1 | 33.5 | 24.9  | 162.0 | 103.6 | 46.7  | 66.2  | 60.0   |
| 14   | 54.3   | 70.6  | 218.7 | 38.2 | 24.9 | 30.4 | 24.9  | 254.0 | 96.3  | 42.9  | 61.9  | 54.3   |
| 15   | 58.1   | 70.6  | 188.4 | 38.2 | 24.9 | 28.9 | 23.6  | 170.7 | 257.3 | 46.7  | 58.1  | 52.4   |
| 16   | 66.2   | 77.2  | 167.7 | 38.2 | 33.5 | 28.9 | 23.6  | 122.5 | 405.3 | 50.5  | 60.0  | 52.4   |
| 17   | 61.9   | 70.6  | 159.1 | 38.2 | 44.8 | 28.9 | 23.6  | 98.6  | 286.4 | 44.8  | 61.9  | 101.1  |
| 18   | 56.2   | 68.4  | 147.7 | 36.6 | 48.6 | 27.3 | 39.7  | 83.9  | 257.3 | 44.8  | 60.0  | 111.3  |
| 19   | 79.4   | 56.2  | 119.6 | 36.6 | 41.3 | 27.3 | 68.4  | 72.9  | 231.3 | 130.7 | 106.1 | 88.7   |
| 20   | 228.1  | 52.4  | 81.6  | 36.6 | 35.1 | 27.3 | 81.6  | 68.4  | 147.7 | 457.4 | 209.7 | 72.9   |
| 21   | 218.7  | 54.3  | 79.4  | 36.6 | 30.4 | 41.3 | 119.6 | 68.4  | 125.1 | 380.0 | 203.5 | 61.9   |
| 22   | 179.6  | 139.1 | 72.9  | 35.1 | 27.3 | 77.2 | 234.5 | 75.0  | 111.3 | 266.9 | 351.4 | 54.3   |
| 23   | 130.7  | 119.6 | 70.6  | 33.5 | 26.1 | 70.6 | 347.9 | 72.9  | 101.1 | 200.4 | 306.9 | 50.5   |
| 24   | 108.6  | 111.3 | 68.4  | 31.9 | 24.9 | 56.2 | 383.6 | 64.0  | 88.7  | 144.9 | 221.8 | 46.7   |
| 25   | 167.7  | 81.6  | 61.9  | 30.4 | 24.9 | 46.7 | 334.2 | 60.0  | 81.6  | 119.6 | 162.0 | 81.6   |
| 26   | 139.1  | 68.4  | 86.2  | 28.9 | 24.9 | 42.9 | 215.7 | 52.4  | 79.4  | 116.8 | 136.3 | 1880.5 |
| 27   | 203.5  | 64.0  | 88.7  | 28.9 | 23.6 | 41.3 | 153.4 | 48.6  | 72.9  | 114.1 | 111.3 | 1006.7 |
| 28   | 215.7  | 61.9  | 106.1 | 28.9 | 23.6 | 36.6 | 119.6 | 46.7  | 70.6  | 111.3 | 96.3  | 472.7  |
| 29   | 164.9  |       | 93.7  | 28.9 | 23.6 | 35.1 | 96.3  | 44.8  | 70.6  | 98.6  | 83.9  | 327.4  |
| 30   | 130.7  |       | 81.6  | 28.9 | 23.6 | 31.9 | 81.6  | 44.8  | 70.6  | 88.7  | 77.2  | 380.0  |
| 31   | 179.6  |       | 75.0  |      | 23.6 |      | 75.0  | 46.7  |       | 101.1 |       | 361.8  |
| Mean | 106.9  | 90.4  | 140.9 | 40.3 | 29.6 | 39.2 | 90.4  | 73.3  | 170.4 | 103.9 | 132.5 | 202.5  |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (20/25)

| Year | : 1979 |      |       |       |        |       |       |       |       |        |       |       |
|------|--------|------|-------|-------|--------|-------|-------|-------|-------|--------|-------|-------|
| Day  | Jan.   | Feb. | Mar.  | Apr.  | May    | Jun.  | Jul.  | Aug.  | Sep.  | Oct.   | Nov.  | Dec.  |
| 1    | 324.0  | 33.5 | 60.0  | 26.1  | 46.7   | 122.5 | 56.2  | 64.0  | 70.6  | 317.1  | 480.3 | 170.7 |
| 2    | 209.7  | 30.4 | 50.5  | 24.9  | 44.8   | 106.1 | 56.2  | 61.9  | 125.1 | 668.2  | 419.8 | 162.0 |
| 3    | 150.6  | 28.9 | 44.8  | 58.1  | 41.3   | 93.7  | 66.2  | 64.0  | 122.5 | 902.5  | 401.7 | 164.9 |
| 4    | 156.3  | 27.3 | 39.7  | 150.6 | 86.2   | 88.7  | 91.2  | 64.0  | 96.3  | 668.2  | 334.2 | 234.5 |
| 5    | 147.7  | 26.1 | 36.6  | 144.9 | 136.3  | 81.6  | 72.9  | 56.2  | 83.9  | 523.5  | 254.0 | 344.5 |
| 6    | 119.6  | 24.9 | 31.9  | 241.1 | 116.8  | 88.7  | 64.0  | 52.4  | 77.2  | 564.8  | 215.7 | 286.4 |
| 7    | 103.6  | 26.1 | 30.4  | 173.6 | 86.2   | 111.3 | 101.1 | 50.5  | 68.4  | 992.8  | 176.6 | 247.5 |
| 8    | 93.7   | 27.3 | 27.3  | 106.1 | 119.6  | 164.9 | 167.7 | 50.5  | 66.2  | 1552.4 | 289.7 | 286.4 |
| 9    | 91.2   | 41.3 | 27.3  | 75.0  | 1417.4 | 212.6 | 257.3 | 50.5  | 61.9  | 1314.3 | 365.5 | 218.7 |
| 10   | 81.6   | 61.9 | 35.1  | 58.1  | 1099.2 | 191.4 | 257.3 | 54.3  | 68.4  | 726.7  | 405.3 | 194.4 |
| 11   | 70.6   | 54.3 | 60.0  | 52.4  | 647.6  | 153.4 | 206.5 | 54.3  | 170.7 | 585.5  | 647.6 | 347.9 |
| 12   | 64.0   | 44.8 | 64.0  | 46.7  | 484.1  | 130.7 | 164.9 | 52.4  | 324.0 | 523.5  | 540.1 | 234.5 |
| 13   | 60.0   | 81.6 | 58.1  | 42.9  | 523.5  | 116.8 | 142.0 | 46.7  | 306.9 | 507.0  | 401.7 | 254.0 |
| 14   | 58.1   | 83.9 | 108.6 | 41.3  | 614.5  | 106.1 | 122.5 | 46.7  | 289.7 | 705.5  | 320.5 | 334.2 |
| 15   | 54.3   | 70.6 | 150.6 | 39.7  | 748.1  | 96.3  | 108.6 | 61.9  | 273.5 | 659.9  | 237.8 | 631.0 |
| 16   | 50.5   | 46.7 | 147.7 | 48.6  | 487.9  | 86.2  | 101.1 | 75.0  | 218.7 | 581.4  | 206.5 | 568.9 |
| 17   | 50.5   | 39.7 | 111.3 | 77.2  | 383.6  | 81.6  | 91.2  | 72.9  | 179.6 | 527.6  | 194.4 | 472.7 |
| 18   | 50.5   | 33.5 | 86.2  | 139.1 | 320.5  | 77.2  | 86.2  | 127.9 | 164.9 | 465.1  | 203.5 | 387.2 |
| 19   | 44.8   | 30.4 | 64.0  | 142.0 | 276.7  | 75.0  | 81.6  | 341.2 | 164.9 | 354.8  | 194.4 | 313.6 |
| 20   | 42.9   | 33.5 | 52.4  | 108.6 | 215.7  | 72.9  | 83.9  | 293.0 | 144.9 | 293.0  | 173.6 | 254.0 |
| 21   | 41.3   | 48.6 | 50.5  | 77.2  | 159.1  | 68.4  | 81.6  | 270.2 | 125.1 | 254.0  | 150.6 | 209.7 |
| 22   | 41.3   | 41.3 | 42.9  | 64.0  | 139.1  | 66.2  | 79.4  | 215.7 | 116.8 | 206.5  | 147.7 | 191.4 |
| 23   | 39.7   | 35.1 | 38.2  | 56.2  | 133.4  | 66.2  | 75.0  | 170.7 | 147.7 | 150.6  | 164.9 | 173.6 |
| 24   | 36.6   | 41.3 | 36.6  | 48.6  | 139.1  | 66.2  | 68.4  | 116.8 | 170.7 | 162.0  | 173.6 | 153.4 |
| 25   | 36.6   | 61.9 | 36.6  | 48.6  | 127.9  | 68.4  | 66.2  | 101.1 | 147.7 | 457.4  | 405.3 | 139.1 |
| 26   | 36.6   | 93.7 | 31.9  | 46.7  | 108.6  | 70.6  | 77.2  | 91.2  | 133.4 | 503.2  | 341.2 | 127.9 |
| 27   | 39.7   | 86.2 | 30.4  | 41.3  | 96.3   | 66.2  | 93.7  | 83.9  | 125.1 | 487.9  | 266.9 | 114.1 |
| 28   | 44.8   | 70.6 | 28.9  | 39.7  | 88.7   | 61.9  | 88.7  | 81.6  | 108.6 | 416.2  | 209.7 | 106.1 |
| 29   | 42.9   |      | 27.3  | 39.7  | 114.1  | 60.0  | 75.0  | 75.0  | 101.1 | 423.4  | 170.7 | 101.1 |
| 30   | 39.7   |      | 27.3  | 39.7  | 203.5  | 58.1  | 70.6  | 68.4  | 153.4 | 519.4  | 156.3 | 93.7  |
| 31   | 36.6   |      | 26.1  |       | 159.1  |       | 66.2  | 66.2  |       | 515.2  |       | 130.7 |
| Mean | 79.4   | 47.3 | 53.7  | 76.6  | 302.1  | 97.0  | 103.9 | 99.4  | 146.9 | 565.5  | 288.3 | 246.7 |

| Year | : 1980 |       |       |       |       |       |        |        |        |       |       |        |
|------|--------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|--------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.   | Aug.   | Sep.   | Oct.  | Nov.  | Dec.   |
| 1    | 170.7  | 114.1 | 446.0 | 81.6  | 61.9  | 61.9  | 179.6  | 778.1  | 531.8  | 200.4 | 564.8 | 116.8  |
| 2    | 133.4  | 108.6 | 394.5 | 91.2  | 83.9  | 64.0  | 829.6  | 540.1  | 859.6  | 173.6 | 423.4 | 119.6  |
| 3    | 98.6   | 98.6  | 487.9 | 83.9  | 125.1 | 61.9  | 761.0  | 416.2  | 1237.2 | 164.9 | 330.8 | 743.8  |
| 4    | 86.2   | 91.2  | 507.0 | 79.4  | 103.6 | 56.2  | 593.8  | 416.2  | 992.8  | 156.3 | 260.5 | 548.3  |
| 5    | 79.4   | 83.9  | 540.1 | 75.0  | 72.9  | 52.4  | 461.2  | 376.4  | 718.1  | 147.7 | 218.7 | 438.4  |
| 6    | 77.2   | 77.2  | 480.3 | 72.9  | 64.0  | 50.5  | 387.2  | 372.7  | 548.3  | 136.3 | 188.4 | 416.2  |
| 7    | 81.6   | 111.3 | 423.4 | 68.4  | 61.9  | 48.6  | 324.0  | 317.1  | 531.8  | 130.7 | 215.7 | 337.6  |
| 8    | 125.1  | 111.3 | 390.8 | 66.2  | 83.9  | 50.5  | 231.3  | 276.7  | 387.2  | 159.1 | 218.7 | 317.1  |
| 9    | 250.7  | 83.9  | 480.3 | 61.9  | 142.0 | 50.5  | 260.5  | 270.2  | 408.9  | 228.1 | 215.7 | 283.1  |
| 10   | 380.0  | 75.0  | 408.9 | 61.9  | 147.7 | 50.5  | 380.0  | 250.7  | 376.4  | 206.5 | 337.6 | 260.5  |
| 11   | 320.5  | 88.7  | 354.8 | 64.0  | 153.4 | 50.5  | 330.8  | 237.8  | 303.3  | 170.7 | 276.7 | 247.5  |
| 12   | 191.4  | 125.1 | 351.4 | 64.0  | 197.4 | 48.6  | 293.0  | 159.1  | 234.5  | 179.6 | 224.9 | 215.7  |
| 13   | 173.6  | 116.8 | 416.2 | 133.4 | 142.0 | 50.5  | 283.1  | 142.0  | 200.4  | 218.7 | 191.4 | 237.8  |
| 14   | 142.0  | 93.7  | 398.1 | 185.5 | 114.1 | 58.1  | 263.7  | 130.7  | 197.4  | 237.8 | 167.7 | 260.5  |
| 15   | 111.3  | 77.2  | 313.6 | 317.1 | 101.1 | 58.1  | 224.9  | 125.1  | 218.7  | 218.7 | 144.9 | 203.5  |
| 16   | 103.6  | 70.6  | 231.3 | 279.9 | 88.7  | 50.5  | 182.5  | 122.5  | 317.1  | 173.6 | 142.0 | 147.7  |
| 17   | 106.1  | 75.0  | 191.4 | 191.4 | 83.9  | 46.7  | 164.9  | 130.7  | 324.0  | 167.7 | 130.7 | 139.1  |
| 18   | 147.7  | 77.2  | 167.7 | 139.1 | 83.9  | 46.7  | 153.4  | 159.1  | 273.5  | 150.6 | 125.1 | 119.6  |
| 19   | 209.7  | 83.9  | 153.4 | 116.8 | 86.2  | 44.8  | 142.0  | 179.6  | 237.8  | 194.4 | 119.6 | 136.3  |
| 20   | 283.1  | 83.9  | 144.9 | 106.1 | 83.9  | 46.7  | 125.1  | 283.1  | 257.3  | 224.9 | 114.1 | 320.5  |
| 21   | 194.4  | 68.4  | 127.9 | 101.1 | 93.7  | 58.1  | 122.5  | 730.9  | 279.9  | 286.4 | 106.1 | 2943.0 |
| 22   | 147.7  | 64.0  | 119.6 | 88.7  | 103.6 | 96.3  | 114.1  | 932.8  | 383.6  | 380.0 | 103.6 | 1950.3 |
| 23   | 122.5  | 61.9  | 114.1 | 79.4  | 111.3 | 114.1 | 108.6  | 1099.2 | 358.3  | 354.8 | 114.1 | 1025.2 |
| 24   | 122.5  | 81.6  | 103.6 | 75.0  | 93.7  | 83.9  | 106.1  | 889.6  | 270.2  | 296.5 | 327.4 | 898.2  |
| 25   | 173.6  | 86.2  | 88.7  | 72.9  | 83.9  | 153.4 | 96.3   | 915.3  | 231.3  | 237.8 | 221.8 | 726.7  |
| 26   | 244.3  | 93.7  | 79.4  | 70.6  | 75.0  | 369.1 | 98.6   | 1261.3 | 209.7  | 218.7 | 147.7 | 597.9  |
| 27   | 228.1  | 96.3  | 81.6  | 68.4  | 75.0  | 306.9 | 98.6   | 1025.2 | 194.4  | 206.5 | 122.5 | 495.6  |
| 28   | 185.5  | 119.6 | 108.6 | 66.2  | 70.6  | 200.4 | 98.6   | 718.1  | 188.4  | 279.9 | 130.7 | 527.6  |
| 29   | 182.5  | 197.4 | 133.4 | 64.0  | 64.0  | 136.3 | 98.6   | 581.4  | 257.3  | 254.0 | 103.6 | 795.3  |
| 30   | 164.9  |       | 114.1 | 61.9  | 61.9  | 125.1 | 1170.3 | 527.6  | 263.7  | 401.7 | 125.1 | 782.4  |
| 31   | 133.4  |       | 116.8 |       | 61.9  |       | 1189.3 | 484.1  |        | 705.5 |       | 647.6  |
| Mean | 166.8  | 93.7  | 273.2 | 102.9 | 96.0  | 89.7  | 318.5  | 479.0  | 393.1  | 234.3 | 203.8 | 548.4  |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (21/25)

| Year | : 1981 |       |       |       |       |       |       |       |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 552.4  | 218.7 | 98.6  | 79.4  | 103.6 | 39.7  | 58.1  | 58.1  | 108.6 | 125.1 | 188.4 | 79.4  |
| 2    | 487.9  | 182.5 | 83.9  | 68.4  | 77.2  | 38.2  | 64.0  | 64.0  | 98.6  | 91.2  | 147.7 | 130.7 |
| 3    | 461.2  | 176.6 | 79.4  | 58.1  | 70.6  | 38.2  | 61.9  | 61.9  | 93.7  | 79.4  | 114.1 | 185.5 |
| 4    | 434.6  | 197.4 | 93.7  | 54.3  | 64.0  | 38.2  | 52.4  | 52.4  | 116.8 | 98.6  | 153.4 | 136.3 |
| 5    | 535.9  | 387.2 | 91.2  | 52.4  | 64.0  | 39.7  | 46.7  | 46.7  | 164.9 | 164.9 | 136.3 | 101.1 |
| 6    | 446.0  | 296.5 | 83.9  | 50.5  | 61.9  | 39.7  | 46.7  | 46.7  | 114.1 | 133.4 | 108.6 | 182.5 |
| 7    | 416.2  | 296.5 | 83.9  | 48.6  | 61.9  | 42.9  | 42.9  | 42.9  | 93.7  | 153.4 | 108.6 | 398.1 |
| 8    | 347.9  | 279.9 | 91.2  | 46.7  | 58.1  | 88.7  | 42.9  | 42.9  | 81.6  | 170.7 | 142.0 | 200.4 |
| 9    | 283.1  | 241.1 | 119.6 | 44.8  | 50.5  | 119.6 | 64.0  | 64.0  | 66.2  | 139.1 | 167.7 | 153.4 |
| 10   | 257.3  | 212.6 | 114.1 | 42.9  | 46.7  | 66.2  | 61.9  | 61.9  | 61.9  | 116.8 | 372.7 | 144.9 |
| 11   | 218.7  | 200.4 | 88.7  | 42.9  | 44.8  | 54.3  | 54.3  | 54.3  | 58.1  | 103.6 | 263.7 | 130.7 |
| 12   | 200.4  | 200.4 | 81.6  | 42.9  | 44.8  | 50.5  | 50.5  | 50.5  | 54.3  | 86.2  | 176.6 | 114.1 |
| 13   | 170.7  | 200.4 | 68.4  | 41.3  | 42.9  | 50.5  | 46.7  | 46.7  | 50.5  | 101.1 | 133.4 | 108.6 |
| 14   | 182.5  | 257.3 | 66.2  | 41.3  | 42.9  | 50.5  | 54.3  | 54.3  | 46.7  | 114.1 | 111.3 | 98.6  |
| 15   | 237.8  | 244.3 | 66.2  | 42.9  | 42.9  | 41.3  | 54.3  | 54.3  | 41.3  | 93.7  | 108.6 | 83.9  |
| 16   | 203.5  | 209.7 | 58.1  | 50.5  | 41.3  | 42.9  | 48.6  | 48.6  | 41.3  | 81.6  | 93.7  | 77.2  |
| 17   | 162.0  | 159.1 | 58.1  | 56.2  | 39.7  | 46.7  | 42.9  | 42.9  | 39.7  | 75.0  | 77.2  | 68.4  |
| 18   | 159.1  | 136.3 | 61.9  | 54.3  | 44.8  | 42.9  | 41.3  | 41.3  | 36.6  | 68.4  | 70.6  | 61.9  |
| 19   | 173.6  | 122.5 | 61.9  | 42.9  | 46.7  | 41.3  | 39.7  | 39.7  | 36.6  | 60.0  | 70.6  | 54.3  |
| 20   | 247.5  | 114.1 | 58.1  | 41.3  | 46.7  | 36.6  | 39.7  | 39.7  | 36.6  | 70.6  | 79.4  | 50.5  |
| 21   | 344.5  | 122.5 | 58.1  | 39.7  | 50.5  | 36.6  | 36.6  | 36.6  | 50.5  | 81.6  | 77.2  | 70.6  |
| 22   | 254.0  | 111.3 | 58.1  | 36.6  | 60.0  | 36.6  | 36.6  | 36.6  | 98.6  | 77.2  | 61.9  | 241.1 |
| 23   | 185.5  | 101.1 | 54.3  | 36.6  | 42.9  | 36.6  | 33.5  | 33.5  | 108.6 | 68.4  | 54.3  | 855.3 |
| 24   | 170.7  | 108.6 | 50.5  | 36.6  | 42.9  | 36.6  | 30.4  | 30.4  | 93.7  | 58.1  | 50.5  | 430.8 |
| 25   | 164.9  | 103.6 | 50.5  | 39.7  | 39.7  | 39.7  | 33.5  | 33.5  | 122.5 | 52.4  | 50.5  | 337.6 |
| 26   | 130.7  | 116.8 | 46.7  | 70.6  | 38.2  | 42.9  | 33.5  | 33.5  | 212.6 | 48.6  | 46.7  | 296.5 |
| 27   | 122.5  | 103.6 | 42.9  | 142.0 | 38.2  | 39.7  | 36.6  | 36.6  | 273.5 | 60.0  | 42.9  | 254.0 |
| 28   | 119.6  | 96.3  | 58.1  | 188.4 | 44.8  | 41.3  | 48.6  | 48.6  | 215.7 | 136.3 | 42.9  | 237.8 |
| 29   | 114.1  |       | 116.8 | 179.6 | 58.1  | 36.6  | 106.1 | 106.1 | 153.4 | 206.5 | 44.8  | 182.5 |
| 30   | 182.5  |       | 116.8 | 147.7 | 50.5  | 36.6  | 114.1 | 114.1 | 136.3 | 228.1 | 50.5  | 133.4 |
| 31   | 250.7  |       | 98.6  |       | 42.9  |       | 153.4 | 153.4 |       | 234.5 |       | 114.1 |
| Mean | 265.1  | 185.6 | 76.1  | 64.0  | 51.8  | 46.4  | 54.1  | 54.1  | 96.9  | 109.0 | 111.6 | 184.3 |

| Year | : 1982 |       |       |       |       |       |       |       |       |       |        |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.   | Dec.  |
| 1    | 101.1  | 33.5  | 228.1 | 286.4 | 46.7  | 61.9  | 446.0 | 91.2  | 218.7 | 58.1  | 153.4  | 354.8 |
| 2    | 125.1  | 31.9  | 212.6 | 231.3 | 42.9  | 58.1  | 324.0 | 93.7  | 206.5 | 101.1 | 144.9  | 387.2 |
| 3    | 188.4  | 33.5  | 176.6 | 170.7 | 39.7  | 58.1  | 257.3 | 150.6 | 170.7 | 150.6 | 179.6  | 484.1 |
| 4    | 159.1  | 46.7  | 147.7 | 130.7 | 39.7  | 54.3  | 194.4 | 147.7 | 150.6 | 119.6 | 218.7  | 472.7 |
| 5    | 136.3  | 283.1 | 130.7 | 114.1 | 39.7  | 54.3  | 176.6 | 119.6 | 130.7 | 88.7  | 491.7  | 394.5 |
| 6    | 116.8  | 380.0 | 127.9 | 108.6 | 38.2  | 50.5  | 170.7 | 101.1 | 125.1 | 75.0  | 1080.7 | 330.8 |
| 7    | 98.6   | 394.5 | 106.1 | 103.6 | 38.2  | 46.7  | 142.0 | 93.7  | 119.6 | 257.3 | 1043.7 | 279.9 |
| 8    | 86.2   | 263.7 | 96.3  | 86.2  | 36.6  | 42.9  | 130.7 | 88.7  | 119.6 | 610.4 | 773.8  | 224.9 |
| 9    | 83.9   | 179.6 | 88.7  | 81.6  | 35.1  | 42.9  | 130.7 | 98.6  | 108.6 | 535.9 | 597.9  | 188.4 |
| 10   | 83.9   | 144.9 | 91.2  | 75.0  | 35.1  | 42.9  | 136.3 | 122.5 | 101.1 | 487.9 | 484.1  | 170.7 |
| 11   | 103.6  | 212.6 | 98.6  | 70.6  | 36.6  | 61.9  | 136.3 | 108.6 | 93.7  | 523.5 | 556.5  | 156.3 |
| 12   | 111.3  | 179.6 | 91.2  | 68.4  | 75.0  | 136.3 | 182.5 | 93.7  | 88.7  | 401.7 | 803.8  | 142.0 |
| 13   | 98.6   | 185.5 | 88.7  | 68.4  | 88.7  | 119.6 | 808.1 | 83.9  | 86.2  | 317.1 | 635.2  | 139.1 |
| 14   | 75.0   | 170.7 | 83.9  | 66.2  | 58.1  | 88.7  | 765.2 | 79.4  | 83.9  | 250.7 | 752.4  | 162.0 |
| 15   | 64.0   | 306.9 | 75.0  | 75.0  | 48.6  | 83.9  | 468.9 | 75.0  | 83.9  | 185.5 | 1401.8 | 234.5 |
| 16   | 58.1   | 317.1 | 81.6  | 72.9  | 48.6  | 164.9 | 369.1 | 156.3 | 75.0  | 150.6 | 1222.8 | 200.4 |
| 17   | 54.3   | 351.4 | 79.4  | 61.9  | 44.8  | 218.7 | 303.3 | 234.5 | 75.0  | 139.1 | 876.7  | 228.1 |
| 18   | 50.5   | 299.9 | 72.9  | 58.1  | 42.9  | 170.7 | 270.2 | 293.0 | 79.4  | 188.4 | 614.5  | 179.6 |
| 19   | 46.7   | 387.2 | 182.5 | 54.3  | 42.9  | 142.0 | 273.5 | 317.1 | 83.9  | 234.5 | 487.9  | 215.7 |
| 20   | 46.7   | 296.5 | 147.7 | 54.3  | 42.9  | 231.3 | 231.3 | 257.3 | 83.9  | 170.7 | 438.4  | 296.5 |
| 21   | 42.9   | 257.3 | 170.7 | 54.3  | 39.7  | 257.3 | 200.4 | 212.6 | 72.9  | 147.7 | 408.9  | 276.7 |
| 22   | 39.7   | 218.7 | 170.7 | 54.3  | 36.6  | 212.6 | 188.4 | 176.6 | 66.2  | 296.5 | 380.0  | 209.7 |
| 23   | 39.7   | 276.7 | 221.8 | 50.5  | 35.1  | 179.6 | 153.4 | 170.7 | 61.9  | 531.8 | 390.8  | 296.5 |
| 24   | 44.8   | 472.7 | 197.4 | 46.7  | 36.6  | 200.4 | 142.0 | 257.3 | 61.9  | 606.2 | 401.7  | 369.1 |
| 25   | 50.5   | 527.6 | 153.4 | 44.8  | 79.4  | 263.7 | 130.7 | 296.5 | 60.0  | 476.5 | 398.1  | 344.5 |
| 26   | 42.9   | 408.9 | 142.0 | 42.9  | 257.3 | 270.2 | 119.6 | 254.0 | 58.1  | 351.4 | 372.7  | 250.7 |
| 27   | 36.6   | 337.6 | 125.1 | 42.9  | 257.3 | 276.7 | 108.6 | 212.6 | 60.0  | 270.2 | 438.4  | 200.4 |
| 28   | 33.5   | 276.7 | 108.6 | 46.7  | 170.7 | 289.7 | 103.6 | 188.4 | 64.0  | 263.7 | 453.6  | 164.9 |
| 29   | 33.5   |       | 139.1 | 46.7  | 114.1 | 664.1 | 101.1 | 153.4 | 66.2  | 237.8 | 446.0  | 150.6 |
| 30   | 33.5   |       | 365.5 | 46.7  | 77.2  | 688.9 | 103.6 | 139.1 | 61.9  | 212.6 | 387.2  | 130.7 |
| 31   | 33.5   |       | 344.5 |       | 68.4  |       | 98.6  | 188.4 |       | 176.6 |        | 125.1 |
| Mean | 74.8   | 259.8 | 146.6 | 83.8  | 67.5  | 174.5 | 237.6 | 163.1 | 97.3  | 278.0 | 567.9  | 250.4 |

Note : unit ; cms



# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (22/25)

| Year | : 1983 |       |        |       |        |        |        |        |        |       |       |       |
|------|--------|-------|--------|-------|--------|--------|--------|--------|--------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.   | Apr.  | May    | Jun.   | Jul.   | Aug.   | Sep.   | Oct.  | Nov.  | Dec.  |
| 1    | 130.7  | 495.6 | 1275.7 | 98.6  | 142.0  | 573.1  | 358.3  | 2168.5 | 162.0  | 380.0 | 139.1 | 130.7 |
| 2    | 159.1  | 372.7 | 906.8  | 93.7  | 250.7  | 531.8  | 317.1  | 2364.5 | 170.7  | 358.3 | 147.7 | 116.8 |
| 3    | 136.3  | 341.2 | 795.3  | 93.7  | 303.3  | 507.0  | 310.2  | 1745.5 | 144.9  | 330.8 | 194.4 | 122.5 |
| 4    | 111.3  | 279.9 | 1880.5 | 93.7  | 317.1  | 476.5  | 276.7  | 1333.7 | 139.1  | 250.7 | 390.8 | 119.6 |
| 5    | 108.6  | 221.8 | 1122.6 | 119.6 | 296.5  | 442.2  | 250.7  | 1039.0 | 139.1  | 200.4 | 283.1 | 133.4 |
| 6    | 334.2  | 170.7 | 697.2  | 303.3 | 289.7  | 383.6  | 705.5  | 833.9  | 153.4  | 170.7 | 231.3 | 179.6 |
| 7    | 937.4  | 159.1 | 597.9  | 344.5 | 218.7  | 263.7  | 2358.8 | 713.8  | 147.7  | 176.6 | 200.4 | 200.4 |
| 8    | 684.8  | 164.9 | 548.3  | 257.3 | 200.4  | 218.7  | 3795.3 | 647.6  | 139.1  | 194.4 | 159.1 | 159.1 |
| 9    | 511.1  | 167.7 | 503.2  | 170.7 | 197.4  | 209.7  | 3857.2 | 589.7  | 130.7  | 147.7 | 142.0 | 133.4 |
| 10   | 408.9  | 153.4 | 491.7  | 133.4 | 372.7  | 247.5  | 3305.9 | 548.3  | 119.6  | 159.1 | 130.7 | 130.7 |
| 11   | 330.8  | 176.6 | 457.4  | 116.8 | 743.8  | 247.5  | 3101.5 | 507.0  | 114.1  | 241.1 | 122.5 | 191.4 |
| 12   | 344.5  | 167.7 | 453.6  | 108.6 | 568.9  | 573.1  | 3900.6 | 461.2  | 119.6  | 224.9 | 218.7 | 215.7 |
| 13   | 365.5  | 194.4 | 434.6  | 101.1 | 476.5  | 1189.3 | 3144.9 | 416.2  | 136.3  | 197.4 | 303.3 | 361.8 |
| 14   | 303.3  | 257.3 | 344.5  | 93.7  | 390.8  | 1043.7 | 2303.1 | 354.8  | 133.4  | 182.5 | 289.7 | 416.2 |
| 15   | 279.9  | 194.4 | 310.2  | 130.7 | 293.0  | 821.0  | 1761.1 | 324.0  | 250.7  | 164.9 | 237.8 | 405.3 |
| 16   | 263.7  | 182.5 | 283.1  | 194.4 | 257.3  | 701.3  | 1469.3 | 317.1  | 487.9  | 153.4 | 212.6 | 347.9 |
| 17   | 218.7  | 293.0 | 224.9  | 167.7 | 293.0  | 416.2  | 1521.3 | 337.6  | 383.6  | 164.9 | 156.3 | 416.2 |
| 18   | 270.2  | 380.0 | 176.6  | 250.7 | 306.9  | 344.5  | 1750.7 | 390.8  | 293.0  | 380.0 | 125.1 | 589.7 |
| 19   | 303.3  | 416.2 | 173.6  | 461.2 | 387.2  | 487.9  | 1338.6 | 427.0  | 310.2  | 344.5 | 114.1 | 511.1 |
| 20   | 390.8  | 438.4 | 173.6  | 408.9 | 2865.6 | 491.7  | 1085.3 | 372.7  | 250.7  | 257.3 | 197.4 | 585.5 |
| 21   | 337.6  | 383.6 | 153.4  | 334.2 | 1407.0 | 438.4  | 898.2  | 324.0  | 200.4  | 206.5 | 176.6 | 548.3 |
| 22   | 257.3  | 344.5 | 130.7  | 224.9 | 937.4  | 358.3  | 782.4  | 299.9  | 200.4  | 283.1 | 159.1 | 449.8 |
| 23   | 197.4  | 310.2 | 125.1  | 188.4 | 668.2  | 347.9  | 705.5  | 283.1  | 1709.2 | 330.8 | 147.7 | 365.5 |
| 24   | 159.1  | 296.5 | 122.5  | 188.4 | 548.3  | 722.4  | 680.6  | 266.9  | 1745.5 | 244.3 | 133.4 | 320.5 |
| 25   | 142.0  | 310.2 | 119.6  | 266.9 | 577.2  | 889.6  | 1048.3 | 257.3  | 1034.5 | 203.5 | 125.1 | 260.5 |
| 26   | 130.7  | 365.5 | 116.8  | 231.3 | 515.2  | 697.2  | 1521.3 | 244.3  | 808.1  | 170.7 | 114.1 | 209.7 |
| 27   | 125.1  | 394.5 | 114.1  | 194.4 | 472.7  | 564.8  | 1901.3 | 218.7  | 618.6  | 164.9 | 103.6 | 188.4 |
| 28   | 111.3  | 859.6 | 111.3  | 164.9 | 1127.4 | 507.0  | 2118.2 | 182.5  | 548.3  | 159.1 | 98.6  | 176.6 |
| 29   | 142.0  |       | 108.6  | 153.4 | 937.4  | 461.2  | 2062.5 | 167.7  | 484.1  | 153.4 | 98.6  | 182.5 |
| 30   | 276.7  |       | 103.6  | 142.0 | 676.5  | 408.9  | 1443.3 | 156.3  | 427.0  | 144.9 | 108.6 | 215.7 |
| 31   | 491.7  |       | 108.6  |       | 622.8  |        | 1417.4 | 153.4  |        | 142.0 |       | 296.5 |
| Mean | 289.2  | 303.3 | 424.7  | 194.4 | 569.7  | 518.9  | 1681.2 | 595.1  | 390.1  | 222.0 | 175.4 | 280.0 |

| Year | : 1984 |       |       |       |       |        |       |        |       |       |       |       |
|------|--------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.   | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 244.3  | 263.7 | 159.1 | 103.6 | 98.6  | 88.7   | 122.5 | 127.9  | 218.7 | 244.3 | 116.8 | 147.7 |
| 2    | 194.4  | 241.1 | 130.7 | 147.7 | 98.6  | 83.9   | 116.8 | 197.4  | 203.5 | 218.7 | 116.8 | 170.7 |
| 3    | 164.9  | 218.7 | 276.7 | 206.5 | 91.2  | 79.4   | 119.6 | 365.5  | 188.4 | 191.4 | 147.7 | 162.0 |
| 4    | 142.0  | 164.9 | 215.7 | 185.5 | 81.6  | 77.2   | 182.5 | 423.4  | 176.6 | 176.6 | 147.7 | 139.1 |
| 5    | 162.0  | 127.9 | 164.9 | 142.0 | 79.4  | 75.0   | 212.6 | 540.1  | 170.7 | 164.9 | 164.9 | 119.6 |
| 6    | 176.6  | 114.1 | 136.3 | 114.1 | 75.0  | 72.9   | 188.4 | 3262.6 | 159.1 | 257.3 | 351.4 | 119.6 |
| 7    | 156.3  | 130.7 | 125.1 | 98.6  | 70.6  | 108.6  | 270.2 | 3894.4 | 147.7 | 423.4 | 556.5 | 176.6 |
| 8    | 142.0  | 98.6  | 170.7 | 93.7  | 66.2  | 101.1  | 330.8 | 2721.7 | 153.4 | 337.6 | 523.5 | 266.9 |
| 9    | 136.3  | 96.3  | 200.4 | 83.9  | 68.4  | 83.9   | 260.5 | 2129.4 | 153.4 | 803.8 | 507.0 | 263.7 |
| 10   | 108.6  | 88.7  | 159.1 | 83.9  | 83.9  | 79.4   | 212.6 | 1304.6 | 142.0 | 773.8 | 457.4 | 206.5 |
| 11   | 101.1  | 83.9  | 130.7 | 83.9  | 93.7  | 77.2   | 185.5 | 1246.8 | 130.7 | 589.7 | 372.7 | 179.6 |
| 12   | 119.6  | 79.4  | 98.6  | 81.6  | 103.6 | 70.6   | 147.7 | 992.8  | 125.1 | 408.9 | 383.6 | 153.4 |
| 13   | 153.4  | 72.9  | 83.9  | 83.9  | 142.0 | 125.1  | 244.3 | 773.8  | 125.1 | 361.8 | 380.0 | 150.6 |
| 14   | 127.9  | 70.6  | 75.0  | 91.2  | 354.8 | 212.6  | 446.0 | 647.6  | 130.7 | 317.1 | 317.1 | 167.7 |
| 15   | 170.7  | 66.2  | 72.9  | 136.3 | 453.6 | 786.7  | 461.2 | 581.4  | 130.7 | 257.3 | 257.3 | 159.1 |
| 16   | 200.4  | 61.9  | 66.2  | 147.7 | 334.2 | 1085.3 | 446.0 | 523.5  | 136.3 | 218.7 | 218.7 | 153.4 |
| 17   | 194.4  | 58.1  | 61.9  | 144.9 | 244.3 | 1122.6 | 369.1 | 484.1  | 119.6 | 197.4 | 200.4 | 125.1 |
| 18   | 147.7  | 58.1  | 61.9  | 185.5 | 206.5 | 955.8  | 299.9 | 449.8  | 108.6 | 237.8 | 194.4 | 153.4 |
| 19   | 159.1  | 61.9  | 64.0  | 194.4 | 173.6 | 722.4  | 250.7 | 423.4  | 116.8 | 209.7 | 179.6 | 130.7 |
| 20   | 164.9  | 58.1  | 164.9 | 164.9 | 191.4 | 597.9  | 218.7 | 365.5  | 408.9 | 185.5 | 170.7 | 106.1 |
| 21   | 170.7  | 54.3  | 383.6 | 147.7 | 228.1 | 511.1  | 310.2 | 310.2  | 320.5 | 164.9 | 283.1 | 93.7  |
| 22   | 164.9  | 52.4  | 465.1 | 125.1 | 244.3 | 446.0  | 380.0 | 293.0  | 247.5 | 147.7 | 218.7 | 81.6  |
| 23   | 153.4  | 79.4  | 324.0 | 116.8 | 212.6 | 387.2  | 330.8 | 330.8  | 167.7 | 142.0 | 194.4 | 83.9  |
| 24   | 130.7  | 101.1 | 270.2 | 139.1 | 173.6 | 324.0  | 283.1 | 289.7  | 142.0 | 136.3 | 167.7 | 75.0  |
| 25   | 114.1  | 103.6 | 221.8 | 153.4 | 147.7 | 266.9  | 244.3 | 438.4  | 212.6 | 139.1 | 185.5 | 77.2  |
| 26   | 98.6   | 83.9  | 176.6 | 133.4 | 130.7 | 218.7  | 250.7 | 540.1  | 739.5 | 136.3 | 310.2 | 72.9  |
| 27   | 108.6  | 194.4 | 136.3 | 114.1 | 119.6 | 170.7  | 218.7 | 423.4  | 688.9 | 125.1 | 283.1 | 101.1 |
| 28   | 191.4  | 237.8 | 119.6 | 101.1 | 111.3 | 147.7  | 170.7 | 337.6  | 540.1 | 114.1 | 215.7 | 101.1 |
| 29   | 212.6  | 191.4 | 114.1 | 93.7  | 103.6 | 136.3  | 147.7 | 283.1  | 401.7 | 108.6 | 176.6 | 83.9  |
| 30   | 170.7  |       | 114.1 | 93.7  | 98.6  | 130.7  | 136.3 | 250.7  | 317.1 | 106.1 | 156.3 | 79.4  |
| 31   | 173.6  |       | 108.6 |       | 93.7  |        | 127.9 | 231.3  |       | 114.1 |       | 88.7  |
| Mean | 156.6  | 114.3 | 163.0 | 126.4 | 154.0 | 311.5  | 247.9 | 812.4  | 234.1 | 258.4 | 265.2 | 135.2 |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (23/25)

Year : 1985

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun. | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec. |
|------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|------|
| 1    | 130.7 | 42.9  | 167.7 | 98.6  | 108.6 | 58.1 | 39.7  | 50.5 | 88.7  | 79.4  | 75.0  | 31.9 |
| 2    | 153.4 | 58.1  | 147.7 | 93.7  | 98.6  | 58.1 | 70.6  | 46.7 | 150.6 | 83.9  | 86.2  | 30.4 |
| 3    | 125.1 | 54.3  | 125.1 | 98.6  | 86.2  | 61.9 | 127.9 | 46.7 | 98.6  | 79.4  | 119.6 | 27.3 |
| 4    | 93.7  | 98.6  | 114.1 | 83.9  | 81.6  | 66.2 | 93.7  | 44.8 | 98.6  | 61.9  | 310.2 | 27.3 |
| 5    | 79.4  | 182.5 | 106.1 | 119.6 | 79.4  | 61.9 | 68.4  | 42.9 | 127.9 | 52.4  | 515.2 | 27.3 |
| 6    | 75.0  | 136.3 | 108.6 | 544.2 | 75.0  | 54.3 | 66.2  | 41.3 | 116.8 | 46.7  | 419.8 | 27.3 |
| 7    | 81.6  | 93.7  | 103.6 | 581.4 | 72.9  | 50.5 | 303.3 | 41.3 | 81.6  | 50.5  | 218.7 | 26.1 |
| 8    | 119.6 | 70.6  | 106.1 | 419.8 | 75.0  | 50.5 | 303.3 | 39.7 | 66.2  | 72.9  | 237.8 | 27.3 |
| 9    | 130.7 | 66.2  | 101.1 | 306.9 | 136.3 | 48.6 | 218.7 | 39.7 | 58.1  | 60.0  | 159.1 | 27.3 |
| 10   | 98.6  | 77.2  | 194.4 | 241.1 | 237.8 | 75.0 | 179.6 | 39.7 | 54.3  | 52.4  | 119.6 | 26.1 |
| 11   | 79.4  | 106.1 | 263.7 | 194.4 | 194.4 | 54.3 | 114.1 | 39.7 | 50.5  | 50.5  | 98.6  | 23.6 |
| 12   | 68.4  | 142.0 | 170.7 | 188.4 | 139.1 | 48.6 | 93.7  | 42.9 | 48.6  | 44.8  | 83.9  | 24.9 |
| 13   | 66.2  | 341.2 | 125.1 | 147.7 | 108.6 | 46.7 | 81.6  | 50.5 | 46.7  | 42.9  | 66.2  | 27.3 |
| 14   | 61.9  | 639.3 | 103.6 | 136.3 | 98.6  | 46.7 | 75.0  | 48.6 | 46.7  | 39.7  | 75.0  | 23.6 |
| 15   | 56.2  | 672.4 | 91.2  | 130.7 | 91.2  | 46.7 | 70.6  | 44.8 | 46.7  | 36.6  | 64.0  | 24.9 |
| 16   | 79.4  | 552.4 | 93.7  | 283.1 | 83.9  | 46.7 | 66.2  | 39.7 | 46.7  | 36.6  | 58.1  | 28.9 |
| 17   | 170.7 | 499.4 | 98.6  | 263.7 | 79.4  | 48.6 | 61.9  | 39.7 | 42.9  | 50.5  | 52.4  | 30.4 |
| 18   | 147.7 | 416.2 | 88.7  | 209.7 | 77.2  | 58.1 | 61.9  | 36.6 | 42.9  | 66.2  | 50.5  | 24.9 |
| 19   | 106.1 | 380.0 | 79.4  | 176.6 | 75.0  | 54.3 | 60.0  | 36.6 | 39.7  | 70.6  | 50.5  | 20.0 |
| 20   | 79.4  | 442.2 | 70.6  | 147.7 | 75.0  | 48.6 | 58.1  | 39.7 | 83.9  | 61.9  | 46.7  | 20.0 |
| 21   | 68.4  | 476.5 | 66.2  | 130.7 | 83.9  | 46.7 | 58.1  | 48.6 | 176.6 | 153.4 | 46.7  | 20.0 |
| 22   | 61.9  | 515.2 | 66.2  | 119.6 | 77.2  | 44.8 | 54.3  | 48.6 | 130.7 | 191.4 | 61.9  | 22.4 |
| 23   | 58.1  | 468.9 | 83.9  | 114.1 | 70.6  | 44.8 | 52.4  | 39.7 | 88.7  | 103.6 | 75.0  | 21.2 |
| 24   | 58.1  | 372.7 | 114.1 | 103.6 | 66.2  | 42.9 | 52.4  | 36.6 | 70.6  | 75.0  | 68.4  | 22.4 |
| 25   | 64.0  | 313.6 | 170.7 | 103.6 | 70.6  | 41.3 | 52.4  | 33.5 | 61.9  | 83.9  | 54.3  | 20.0 |
| 26   | 54.3  | 283.1 | 289.7 | 119.6 | 68.4  | 41.3 | 50.5  | 31.9 | 54.3  | 72.9  | 42.9  | 17.5 |
| 27   | 50.5  | 257.3 | 276.7 | 176.6 | 66.2  | 41.3 | 48.6  | 30.4 | 50.5  | 60.0  | 39.7  | 24.9 |
| 28   | 50.5  | 212.6 | 221.8 | 159.1 | 61.9  | 41.3 | 46.7  | 33.5 | 46.7  | 52.4  | 39.7  | 21.2 |
| 29   | 46.7  |       | 164.9 | 130.7 | 60.0  | 39.7 | 46.7  | 33.5 | 46.7  | 54.3  | 36.6  | 20.0 |
| 30   | 44.8  |       | 147.7 | 114.1 | 58.1  | 39.7 | 50.5  | 31.9 | 77.2  | 83.9  | 33.5  | 17.5 |
| 31   | 46.7  |       | 119.6 |       | 58.1  |      | 54.3  | 35.1 |       | 83.9  |       | 15.1 |
| Mean | 84.1  | 284.7 | 134.9 | 191.3 | 90.8  | 50.3 | 89.7  | 40.5 | 74.7  | 69.5  | 113.5 | 24.2 |

Year : 1986

| Day  | Jan. | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.   | Dec.  |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 1    | 15.1 | 182.5 | 200.4 | 36.6  | 39.7  | 324.0 | 36.6  | 33.5  | 50.5  | 103.6 | 93.7   | 147.7 |
| 2    | 15.1 | 257.3 | 200.4 | 35.1  | 39.7  | 224.9 | 38.2  | 33.5  | 50.5  | 88.7  | 185.5  | 130.7 |
| 3    | 15.1 | 276.7 | 147.7 | 33.5  | 36.6  | 127.9 | 38.2  | 33.5  | 48.6  | 79.4  | 266.9  | 119.6 |
| 4    | 21.2 | 170.7 | 103.6 | 33.5  | 33.5  | 96.3  | 38.2  | 30.4  | 48.6  | 72.9  | 303.3  | 430.8 |
| 5    | 17.5 | 108.6 | 79.4  | 50.5  | 33.5  | 81.6  | 36.6  | 28.9  | 52.4  | 68.4  | 408.9  | 347.9 |
| 6    | 15.1 | 77.2  | 66.2  | 108.6 | 31.9  | 70.6  | 38.2  | 28.9  | 52.4  | 61.9  | 1184.6 | 257.3 |
| 7    | 14.3 | 58.1  | 60.0  | 257.3 | 31.9  | 66.2  | 36.6  | 30.4  | 46.7  | 58.1  | 842.4  | 361.8 |
| 8    | 14.3 | 58.1  | 54.3  | 310.2 | 30.4  | 61.9  | 35.1  | 30.4  | 42.9  | 61.9  | 655.8  | 358.3 |
| 9    | 13.4 | 58.1  | 48.6  | 197.4 | 33.5  | 58.1  | 35.1  | 30.4  | 36.6  | 88.7  | 484.1  | 394.5 |
| 10   | 12.6 | 64.0  | 42.9  | 136.3 | 33.5  | 54.3  | 36.6  | 27.3  | 36.6  | 540.1 | 423.4  | 279.9 |
| 11   | 15.1 | 79.4  | 44.8  | 103.6 | 36.6  | 52.4  | 38.2  | 26.1  | 35.1  | 693.1 | 383.6  | 224.9 |
| 12   | 13.4 | 147.7 | 83.9  | 93.7  | 36.6  | 50.5  | 38.2  | 27.3  | 33.5  | 519.4 | 313.6  | 182.5 |
| 13   | 22.4 | 156.3 | 108.6 | 81.6  | 35.1  | 46.7  | 36.6  | 28.9  | 31.9  | 398.1 | 254.0  | 156.3 |
| 14   | 27.3 | 119.6 | 83.9  | 70.6  | 36.6  | 44.8  | 33.5  | 33.5  | 30.4  | 289.7 | 197.4  | 273.5 |
| 15   | 48.6 | 88.7  | 83.9  | 122.5 | 35.1  | 46.7  | 31.9  | 46.7  | 27.3  | 179.6 | 147.7  | 523.5 |
| 16   | 42.9 | 72.9  | 81.6  | 127.9 | 33.5  | 81.6  | 31.9  | 66.2  | 28.9  | 142.0 | 130.7  | 442.2 |
| 17   | 38.2 | 108.6 | 88.7  | 88.7  | 30.4  | 70.6  | 30.4  | 75.0  | 35.1  | 130.7 | 114.1  | 347.9 |
| 18   | 28.9 | 79.4  | 93.7  | 75.0  | 42.9  | 61.9  | 30.4  | 58.1  | 58.1  | 127.9 | 103.6  | 313.6 |
| 19   | 42.9 | 66.2  | 144.9 | 64.0  | 75.0  | 52.4  | 36.6  | 46.7  | 79.4  | 142.0 | 93.7   | 507.0 |
| 20   | 58.1 | 93.7  | 147.7 | 61.9  | 75.0  | 46.7  | 79.4  | 39.7  | 212.6 | 130.7 | 93.7   | 446.0 |
| 21   | 70.6 | 83.9  | 111.3 | 54.3  | 61.9  | 42.9  | 88.7  | 36.6  | 365.5 | 188.4 | 93.7   | 430.8 |
| 22   | 64.0 | 75.0  | 83.9  | 52.4  | 52.4  | 41.3  | 114.1 | 33.5  | 337.6 | 303.3 | 83.9   | 593.8 |
| 23   | 50.5 | 64.0  | 66.2  | 50.5  | 42.9  | 39.7  | 70.6  | 179.6 | 270.2 | 231.3 | 96.3   | 535.9 |
| 24   | 42.9 | 77.2  | 66.2  | 48.6  | 39.7  | 38.2  | 58.1  | 296.5 | 218.7 | 167.7 | 83.9   | 442.2 |
| 25   | 66.2 | 133.4 | 60.0  | 44.8  | 36.6  | 38.2  | 50.5  | 212.6 | 263.7 | 130.7 | 75.0   | 383.6 |
| 26   | 46.7 | 130.7 | 70.6  | 42.9  | 35.1  | 44.8  | 44.8  | 136.3 | 257.3 | 114.1 | 75.0   | 330.8 |
| 27   | 33.5 | 111.3 | 68.4  | 58.1  | 33.5  | 48.6  | 42.9  | 93.7  | 203.5 | 103.6 | 215.7  | 279.9 |
| 28   | 30.4 | 206.5 | 60.0  | 60.0  | 33.5  | 42.9  | 39.7  | 70.6  | 164.9 | 93.7  | 188.4  | 283.1 |
| 29   | 36.6 |       | 48.6  | 50.5  | 31.9  | 39.7  | 36.6  | 75.0  | 136.3 | 88.7  | 182.5  | 224.9 |
| 30   | 42.9 |       | 42.9  | 42.9  | 33.5  | 36.6  | 35.1  | 61.9  | 116.8 | 91.2  | 176.6  | 206.5 |
| 31   | 83.9 |       | 38.2  |       | 279.9 |       | 33.5  | 54.3  |       | 114.1 |        | 188.4 |
| Mean | 34.2 | 114.5 | 86.5  | 86.5  | 47.2  | 71.1  | 44.2  | 64.7  | 112.4 | 180.8 | 265.0  | 327.3 |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (24/25)

| Year | : 1987 |       |       |       |        |       |       |       |       |       |       |       |
|------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May    | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 164.9  | 111.3 | 173.6 | 54.3  | 60.0   | 142.0 | 130.7 | 176.6 | 119.6 | 188.4 | 153.4 | 58.1  |
| 2    | 153.4  | 162.0 | 144.9 | 61.9  | 61.9   | 136.3 | 122.5 | 147.7 | 111.3 | 468.9 | 136.3 | 54.3  |
| 3    | 144.9  | 206.5 | 125.1 | 88.7  | 54.3   | 130.7 | 116.8 | 125.1 | 125.1 | 347.9 | 130.7 | 46.7  |
| 4    | 122.5  | 372.7 | 119.6 | 75.0  | 50.5   | 125.1 | 114.1 | 116.8 | 130.7 | 244.3 | 119.6 | 136.3 |
| 5    | 108.6  | 372.7 | 108.6 | 64.0  | 46.7   | 116.8 | 130.7 | 114.1 | 111.3 | 188.4 | 119.6 | 147.7 |
| 6    | 98.6   | 324.0 | 101.1 | 56.2  | 52.4   | 114.1 | 108.6 | 185.5 | 108.6 | 218.7 | 125.1 | 119.6 |
| 7    | 93.7   | 293.0 | 96.3  | 52.4  | 130.7  | 119.6 | 176.6 | 218.7 | 98.6  | 270.2 | 119.6 | 75.0  |
| 8    | 108.6  | 254.0 | 108.6 | 50.5  | 434.6  | 106.1 | 257.3 | 200.4 | 93.7  | 212.6 | 106.1 | 70.6  |
| 9    | 139.1  | 293.0 | 91.2  | 50.5  | 491.7  | 98.6  | 260.5 | 182.5 | 91.2  | 170.7 | 103.6 | 58.1  |
| 10   | 194.4  | 244.3 | 119.6 | 46.7  | 296.5  | 96.3  | 228.1 | 156.3 | 88.7  | 153.4 | 114.1 | 72.9  |
| 11   | 212.6  | 188.4 | 103.6 | 54.3  | 194.4  | 93.7  | 194.4 | 142.0 | 153.4 | 139.1 | 103.6 | 64.0  |
| 12   | 383.6  | 159.1 | 86.2  | 98.6  | 156.3  | 88.7  | 173.6 | 133.4 | 153.4 | 130.7 | 98.6  | 70.6  |
| 13   | 515.2  | 153.4 | 77.2  | 142.0 | 156.3  | 147.7 | 159.1 | 147.7 | 133.4 | 159.1 | 93.7  | 61.9  |
| 14   | 911.1  | 276.7 | 75.0  | 218.7 | 286.4  | 816.7 | 221.8 | 176.6 | 119.6 | 270.2 | 93.7  | 54.3  |
| 15   | 969.8  | 324.0 | 70.6  | 164.9 | 919.6  | 795.3 | 200.4 | 153.4 | 116.8 | 643.5 | 93.7  | 50.5  |
| 16   | 803.8  | 372.7 | 66.2  | 119.6 | 773.8  | 639.3 | 159.1 | 159.1 | 191.4 | 726.7 | 114.1 | 46.7  |
| 17   | 885.3  | 341.2 | 64.0  | 106.1 | 564.8  | 461.2 | 147.7 | 427.0 | 231.3 | 668.2 | 91.2  | 61.9  |
| 18   | 748.1  | 320.5 | 64.0  | 93.7  | 427.0  | 344.5 | 136.3 | 461.2 | 176.6 | 705.5 | 83.9  | 79.4  |
| 19   | 585.5  | 317.1 | 61.9  | 68.4  | 387.2  | 270.2 | 194.4 | 324.0 | 156.3 | 937.4 | 75.0  | 119.6 |
| 20   | 484.1  | 372.7 | 60.0  | 75.0  | 651.7  | 224.9 | 231.3 | 351.4 | 144.9 | 782.4 | 66.2  | 58.1  |
| 21   | 423.4  | 334.2 | 61.9  | 79.4  | 1208.4 | 200.4 | 188.4 | 299.9 | 125.1 | 647.6 | 66.2  | 56.2  |
| 22   | 398.1  | 296.5 | 70.6  | 79.4  | 885.3  | 182.5 | 170.7 | 244.3 | 114.1 | 507.0 | 81.6  | 54.3  |
| 23   | 324.0  | 286.4 | 70.6  | 91.2  | 647.6  | 224.9 | 150.6 | 224.9 | 108.6 | 383.6 | 83.9  | 54.3  |
| 24   | 237.8  | 254.0 | 61.9  | 77.2  | 499.4  | 212.6 | 147.7 | 194.4 | 108.6 | 306.9 | 75.0  | 50.5  |
| 25   | 197.4  | 383.6 | 56.2  | 66.2  | 394.5  | 176.6 | 130.7 | 176.6 | 116.8 | 241.1 | 66.2  | 42.9  |
| 26   | 237.8  | 330.8 | 61.9  | 61.9  | 306.9  | 159.1 | 142.0 | 176.6 | 108.6 | 263.7 | 83.9  | 39.7  |
| 27   | 194.4  | 283.1 | 130.7 | 56.2  | 224.9  | 144.9 | 125.1 | 153.4 | 96.3  | 228.1 | 83.9  | 39.7  |
| 28   | 159.1  | 218.7 | 83.9  | 54.3  | 188.4  | 153.4 | 133.4 | 153.4 | 93.7  | 188.4 | 66.2  | 38.2  |
| 29   | 139.1  |       | 68.4  | 50.5  | 185.5  | 136.3 | 125.1 | 144.9 | 86.2  | 215.7 | 58.1  | 41.3  |
| 30   | 122.5  |       | 61.9  | 54.3  | 170.7  | 133.4 | 130.7 | 139.1 | 81.6  | 218.7 | 79.4  | 139.1 |
| 31   | 114.1  |       | 56.2  |       | 156.3  |       | 182.5 | 142.0 |       | 164.9 |       | 147.7 |
| Mean | 334.7  | 280.2 | 87.2  | 80.4  | 356.9  | 226.4 | 164.2 | 198.4 | 123.2 | 354.6 | 96.2  | 71.3  |

| Year | : 1988 |       |       |       |        |       |       |      |       |       |       |      |
|------|--------|-------|-------|-------|--------|-------|-------|------|-------|-------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May    | Jun.  | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec. |
| 1    | 116.8  | 221.8 | 136.3 | 61.9  | 147.7  | 206.5 | 150.6 | 60.0 | 39.7  | 96.3  | 122.5 | 38.2 |
| 2    | 75.0   | 200.4 | 139.1 | 61.9  | 185.5  | 176.6 | 147.7 | 58.1 | 39.7  | 79.4  | 108.6 | 36.6 |
| 3    | 60.0   | 156.3 | 194.4 | 46.7  | 289.7  | 164.9 | 130.7 | 56.2 | 38.2  | 96.3  | 93.7  | 46.7 |
| 4    | 50.5   | 103.6 | 237.8 | 39.7  | 495.6  | 173.6 | 125.1 | 56.2 | 36.6  | 206.5 | 83.9  | 42.9 |
| 5    | 46.7   | 79.4  | 200.4 | 36.6  | 531.8  | 182.5 | 116.8 | 54.3 | 36.6  | 170.7 | 77.2  | 39.7 |
| 6    | 42.9   | 83.9  | 170.7 | 33.5  | 398.1  | 159.1 | 114.1 | 54.3 | 35.1  | 125.1 | 72.9  | 35.1 |
| 7    | 42.9   | 93.7  | 103.6 | 30.4  | 296.5  | 142.0 | 108.6 | 54.3 | 35.1  | 98.6  | 68.4  | 31.9 |
| 8    | 31.9   | 64.0  | 88.7  | 54.3  | 491.7  | 136.3 | 108.6 | 48.6 | 35.1  | 83.9  | 64.0  | 30.4 |
| 9    | 30.4   | 75.0  | 88.7  | 61.9  | 527.6  | 130.7 | 103.6 | 54.3 | 33.5  | 79.4  | 58.1  | 28.9 |
| 10   | 75.0   | 164.9 | 83.9  | 58.1  | 394.5  | 136.3 | 96.3  | 52.4 | 33.5  | 77.2  | 64.0  | 28.9 |
| 11   | 75.0   | 139.1 | 75.0  | 42.9  | 330.8  | 130.7 | 96.3  | 50.5 | 31.9  | 93.7  | 61.9  | 28.9 |
| 12   | 50.5   | 125.1 | 70.6  | 36.6  | 244.3  | 125.1 | 93.7  | 48.6 | 30.4  | 93.7  | 61.9  | 31.9 |
| 13   | 42.9   | 93.7  | 77.2  | 44.8  | 257.3  | 125.1 | 88.7  | 50.5 | 30.4  | 93.7  | 86.2  | 30.4 |
| 14   | 83.9   | 79.4  | 70.6  | 144.9 | 289.7  | 206.5 | 86.2  | 50.5 | 58.1  | 98.6  | 96.3  | 33.5 |
| 15   | 122.5  | 75.0  | 61.9  | 116.8 | 247.5  | 206.5 | 81.6  | 50.5 | 93.7  | 88.7  | 77.2  | 66.2 |
| 16   | 98.6   | 103.6 | 58.1  | 79.4  | 200.4  | 170.7 | 79.4  | 46.7 | 61.9  | 70.6  | 64.0  | 50.5 |
| 17   | 136.3  | 179.6 | 61.9  | 64.0  | 257.3  | 153.4 | 79.4  | 46.7 | 54.3  | 64.0  | 54.3  | 39.7 |
| 18   | 150.6  | 150.6 | 61.9  | 66.2  | 289.7  | 147.7 | 75.0  | 46.7 | 68.4  | 58.1  | 50.5  | 33.5 |
| 19   | 111.3  | 108.6 | 61.9  | 56.2  | 237.8  | 142.0 | 75.0  | 50.5 | 70.6  | 61.9  | 48.6  | 28.9 |
| 20   | 114.1  | 93.7  | 58.1  | 50.5  | 200.4  | 408.9 | 72.9  | 50.5 | 68.4  | 91.2  | 48.6  | 33.5 |
| 21   | 96.3   | 79.4  | 58.1  | 46.7  | 212.6  | 523.5 | 70.6  | 50.5 | 296.5 | 136.3 | 58.1  | 35.1 |
| 22   | 101.1  | 66.2  | 46.7  | 50.5  | 337.6  | 380.0 | 70.6  | 48.6 | 606.2 | 103.6 | 60.0  | 38.2 |
| 23   | 108.6  | 61.9  | 42.9  | 75.0  | 765.2  | 289.7 | 70.6  | 44.8 | 487.9 | 114.1 | 58.1  | 31.9 |
| 24   | 133.4  | 61.9  | 39.7  | 98.6  | 1136.9 | 270.2 | 68.4  | 42.9 | 334.2 | 188.4 | 48.6  | 33.5 |
| 25   | 176.6  | 54.3  | 39.7  | 98.6  | 718.1  | 260.5 | 64.0  | 42.9 | 197.4 | 203.5 | 42.9  | 75.0 |
| 26   | 98.6   | 75.0  | 36.6  | 209.7 | 491.7  | 231.3 | 61.9  | 41.3 | 147.7 | 672.4 | 36.6  | 79.4 |
| 27   | 114.1  | 108.6 | 36.6  | 263.7 | 387.2  | 200.4 | 60.0  | 41.3 | 125.1 | 499.4 | 39.7  | 54.3 |
| 28   | 83.9   | 119.6 | 36.6  | 231.3 | 341.2  | 182.5 | 60.0  | 39.7 | 156.3 | 337.6 | 64.0  | 52.4 |
| 29   | 96.3   | 130.7 | 46.7  | 185.5 | 296.5  | 176.6 | 60.0  | 39.7 | 114.1 | 244.3 | 46.7  | 64.0 |
| 30   | 86.2   |       | 50.5  | 142.0 | 260.5  | 159.1 | 60.0  | 39.7 | 88.7  | 176.6 | 41.3  | 61.9 |
| 31   | 79.4   |       | 46.7  |       | 244.3  |       | 60.0  | 36.6 |       | 142.0 |       | 72.9 |
| Mean | 88.1   | 108.6 | 83.3  | 86.3  | 371.1  | 203.3 | 88.3  | 48.7 | 116.2 | 153.1 | 65.3  | 43.1 |

Note : unit ; cms

# ESTIMATED DAILY MEAN DISCHARGE AT PROPOSED POWERHOUSE SITE (25/25)

| Year | : 1989 |       |       |       |        |       |       |       |        |       |       |       |
|------|--------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May    | Jun.  | Jul.  | Aug.  | Sep.   | Oct.  | Nov.  | Dec.  |
| 1    | 79.4   | 697.2 | 351.4 | 185.5 | 188.4  | 83.9  | 75.0  | 257.3 | 144.9  | 167.7 | 79.4  | 93.7  |
| 2    | 75.0   | 713.8 | 276.7 | 548.3 | 218.7  | 75.0  | 79.4  | 185.5 | 153.4  | 150.6 | 77.2  | 77.2  |
| 3    | 66.2   | 495.6 | 212.6 | 585.5 | 231.3  | 81.6  | 114.1 | 153.4 | 125.1  | 142.0 | 70.6  | 66.2  |
| 4    | 64.0   | 383.6 | 194.4 | 398.1 | 676.5  | 81.6  | 156.3 | 125.1 | 106.1  | 209.7 | 70.6  | 60.0  |
| 5    | 136.3  | 286.4 | 200.4 | 317.1 | 1113.1 | 77.2  | 114.1 | 116.8 | 98.6   | 212.6 | 68.4  | 54.3  |
| 6    | 231.3  | 224.9 | 159.1 | 365.5 | 1266.0 | 70.6  | 98.6  | 119.6 | 91.2   | 176.6 | 66.2  | 50.5  |
| 7    | 330.8  | 188.4 | 221.8 | 337.6 | 915.3  | 70.6  | 86.2  | 101.1 | 188.4  | 150.6 | 60.0  | 50.5  |
| 8    | 228.1  | 159.1 | 247.5 | 273.5 | 709.6  | 81.6  | 75.0  | 88.7  | 200.4  | 136.3 | 58.1  | 50.5  |
| 9    | 276.7  | 139.1 | 179.6 | 228.1 | 585.5  | 81.6  | 72.9  | 68.4  | 365.5  | 127.9 | 56.2  | 48.6  |
| 10   | 317.1  | 125.1 | 153.4 | 197.4 | 491.7  | 75.0  | 68.4  | 79.4  | 430.8  | 122.5 | 56.2  | 50.5  |
| 11   | 266.9  | 114.1 | 127.9 | 173.6 | 365.5  | 68.4  | 66.2  | 79.4  | 313.6  | 147.7 | 64.0  | 72.9  |
| 12   | 228.1  | 103.6 | 119.6 | 206.5 | 299.9  | 77.2  | 61.9  | 75.0  | 812.4  | 212.6 | 72.9  | 68.4  |
| 13   | 182.5  | 96.3  | 116.8 | 185.5 | 263.7  | 68.4  | 61.9  | 70.6  | 1372.6 | 224.9 | 139.1 | 68.4  |
| 14   | 150.6  | 133.4 | 106.1 | 144.9 | 206.5  | 66.2  | 60.0  | 68.4  | 1309.4 | 182.5 | 114.1 | 56.2  |
| 15   | 147.7  | 127.9 | 133.4 | 142.0 | 173.6  | 61.9  | 56.2  | 64.0  | 960.5  | 150.6 | 83.9  | 54.3  |
| 16   | 218.7  | 150.6 | 133.4 | 139.1 | 162.0  | 61.9  | 54.3  | 64.0  | 748.1  | 133.4 | 66.2  | 56.2  |
| 17   | 310.2  | 234.5 | 106.1 | 116.8 | 150.6  | 64.0  | 54.3  | 61.9  | 593.8  | 136.3 | 60.0  | 52.4  |
| 18   | 244.3  | 185.5 | 96.3  | 108.6 | 142.0  | 64.0  | 50.5  | 60.0  | 507.0  | 142.0 | 56.2  | 60.0  |
| 19   | 170.7  | 206.5 | 86.2  | 106.1 | 119.6  | 60.0  | 50.5  | 54.3  | 449.8  | 122.5 | 54.3  | 68.4  |
| 20   | 133.4  | 231.3 | 106.1 | 103.6 | 111.3  | 58.1  | 50.5  | 56.2  | 387.2  | 108.6 | 54.3  | 68.4  |
| 21   | 106.1  | 293.0 | 116.8 | 88.7  | 139.1  | 58.1  | 48.6  | 68.4  | 310.2  | 101.1 | 96.3  | 60.0  |
| 22   | 96.3   | 286.4 | 188.4 | 96.3  | 111.3  | 52.4  | 50.5  | 66.2  | 244.3  | 96.3  | 88.7  | 50.5  |
| 23   | 86.2   | 405.3 | 200.4 | 83.9  | 106.1  | 58.1  | 48.6  | 153.4 | 191.4  | 91.2  | 86.2  | 46.7  |
| 24   | 111.3  | 523.5 | 150.6 | 81.6  | 103.6  | 58.1  | 50.5  | 66.2  | 218.7  | 86.2  | 86.2  | 42.9  |
| 25   | 162.0  | 472.7 | 114.1 | 79.4  | 108.6  | 79.4  | 48.6  | 139.1 | 354.8  | 81.6  | 88.7  | 41.3  |
| 26   | 185.5  | 361.8 | 153.4 | 77.2  | 106.1  | 119.6 | 60.0  | 231.3 | 296.5  | 86.2  | 68.4  | 39.7  |
| 27   | 270.2  | 289.7 | 324.0 | 77.2  | 101.1  | 88.7  | 147.7 | 221.8 | 231.3  | 139.1 | 60.0  | 41.3  |
| 28   | 872.5  | 254.0 | 237.8 | 75.0  | 91.2   | 70.6  | 341.2 | 200.4 | 197.4  | 170.7 | 54.3  | 41.3  |
| 29   | 769.5  |       | 173.6 | 83.9  | 88.7   | 68.4  | 341.2 | 162.0 | 185.5  | 119.6 | 75.0  | 159.1 |
| 30   | 606.2  |       | 136.3 | 150.6 | 81.6   | 66.2  | 293.0 | 133.4 | 188.4  | 96.3  | 93.7  | 176.6 |
| 31   | 778.1  |       | 144.9 |       | 75.0   |       | 369.1 | 119.6 |        | 86.2  |       | 150.6 |
| Mean | 254.9  | 281.5 | 170.0 | 191.9 | 306.6  | 71.6  | 106.6 | 113.3 | 392.6  | 139.1 | 74.2  | 67.0  |

| Year | : 1990 |       |       |       |        |        |        |       |       |        |       |       |
|------|--------|-------|-------|-------|--------|--------|--------|-------|-------|--------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May    | Jun.   | Jul.   | Aug.  | Sep.  | Oct.   | Nov.  | Dec.  |
| 1    | 206.5  | 197.4 | 170.7 | 296.5 | 283.1  | 1222.8 | 150.6  | 221.8 | 260.5 | 270.2  | 313.6 | 167.7 |
| 2    | 398.1  | 228.1 | 147.7 | 266.9 | 231.3  | 1227.5 | 142.0  | 206.5 | 257.3 | 286.4  | 341.2 | 162.0 |
| 3    | 577.2  | 185.5 | 133.4 | 293.0 | 203.5  | 1324.0 | 136.3  | 197.4 | 224.9 | 263.7  | 254.0 | 150.6 |
| 4    | 503.2  | 156.3 | 144.9 | 257.3 | 185.5  | 1048.3 | 144.9  | 185.5 | 197.4 | 244.3  | 215.7 | 179.6 |
| 5    | 372.7  | 103.6 | 215.7 | 206.5 | 164.9  | 791.0  | 224.9  | 173.6 | 221.8 | 212.6  | 234.5 | 164.9 |
| 6    | 303.3  | 98.6  | 266.9 | 254.0 | 133.4  | 1089.9 | 228.1  | 164.9 | 218.7 | 200.4  | 221.8 | 142.0 |
| 7    | 237.8  | 116.8 | 247.5 | 289.7 | 116.8  | 1029.8 | 218.7  | 156.3 | 263.7 | 191.4  | 200.4 | 133.4 |
| 8    | 244.3  | 108.6 | 234.5 | 303.3 | 111.3  | 833.9  | 194.4  | 147.7 | 354.8 | 185.5  | 182.5 | 122.5 |
| 9    | 276.7  | 101.1 | 197.4 | 394.5 | 106.1  | 786.7  | 173.6  | 142.0 | 527.6 | 209.7  | 515.2 | 111.3 |
| 10   | 344.5  | 188.4 | 164.9 | 358.3 | 98.6   | 651.7  | 164.9  | 136.3 | 457.4 | 1025.2 | 803.8 | 103.6 |
| 11   | 401.7  | 228.1 | 142.0 | 303.3 | 96.3   | 556.5  | 150.6  | 130.7 | 330.8 | 885.3  | 610.4 | 106.1 |
| 12   | 983.6  | 306.9 | 127.9 | 244.3 | 93.7   | 495.6  | 136.3  | 125.1 | 279.9 | 752.4  | 564.8 | 130.7 |
| 13   | 833.9  | 573.1 | 119.6 | 191.4 | 88.7   | 416.2  | 130.7  | 119.6 | 465.1 | 876.7  | 476.5 | 133.4 |
| 14   | 606.2  | 676.5 | 147.7 | 185.5 | 86.2   | 365.5  | 122.5  | 116.8 | 446.0 | 1156.0 | 390.8 | 487.9 |
| 15   | 718.1  | 581.4 | 387.2 | 162.0 | 83.9   | 423.4  | 119.6  | 111.3 | 354.8 | 1557.7 | 320.5 | 327.4 |
| 16   | 618.6  | 503.2 | 283.1 | 144.9 | 83.9   | 394.5  | 127.9  | 127.9 | 276.7 | 1251.7 | 313.6 | 212.6 |
| 17   | 705.5  | 416.2 | 293.0 | 136.3 | 114.1  | 334.2  | 173.6  | 221.8 | 244.3 | 974.4  | 372.7 | 164.9 |
| 18   | 548.3  | 341.2 | 254.0 | 127.9 | 136.3  | 276.7  | 412.6  | 194.4 | 218.7 | 855.3  | 405.3 | 139.1 |
| 19   | 965.1  | 273.5 | 206.5 | 116.8 | 127.9  | 215.7  | 713.8  | 266.9 | 200.4 | 808.1  | 361.8 | 125.1 |
| 20   | 693.1  | 194.4 | 200.4 | 106.1 | 103.6  | 191.4  | 946.6  | 902.5 | 191.4 | 735.2  | 324.0 | 108.6 |
| 21   | 743.8  | 162.0 | 170.7 | 108.6 | 91.2   | 289.7  | 1542.0 | 697.2 | 215.7 | 639.3  | 347.9 | 103.6 |
| 22   | 885.3  | 206.5 | 150.6 | 114.1 | 83.9   | 320.5  | 1089.9 | 438.4 | 324.0 | 556.5  | 449.8 | 96.3  |
| 23   | 1076.0 | 260.5 | 144.9 | 114.1 | 79.4   | 270.2  | 799.6  | 327.4 | 405.3 | 446.0  | 394.5 | 88.7  |
| 24   | 786.7  | 254.0 | 176.6 | 108.6 | 75.0   | 215.7  | 680.6  | 257.3 | 344.5 | 376.4  | 334.2 | 83.9  |
| 25   | 597.9  | 244.3 | 206.5 | 108.6 | 75.0   | 206.5  | 597.9  | 228.1 | 276.7 | 337.6  | 337.6 | 101.1 |
| 26   | 523.5  | 247.5 | 182.5 | 122.5 | 70.6   | 221.8  | 457.4  | 266.9 | 231.3 | 276.7  | 306.9 | 122.5 |
| 27   | 434.6  | 234.5 | 156.3 | 101.1 | 70.6   | 209.7  | 405.3  | 527.6 | 206.5 | 237.8  | 306.9 | 98.6  |
| 28   | 372.7  | 200.4 | 164.9 | 179.6 | 66.2   | 185.5  | 361.8  | 697.2 | 191.4 | 218.7  | 244.3 | 86.2  |
| 29   | 324.0  |       | 150.6 | 279.9 | 86.2   | 167.7  | 303.3  | 484.1 | 200.4 | 203.5  | 197.4 | 142.0 |
| 30   | 263.7  |       | 203.5 | 327.4 | 906.8  | 159.1  | 263.7  | 354.8 | 257.3 | 191.4  | 176.6 | 125.1 |
| 31   | 206.5  |       | 266.9 |       | 1203.6 |        | 241.1  | 289.7 |       | 200.4  |       | 103.6 |
| Mean | 540.4  | 263.9 | 195.4 | 206.8 | 176.0  | 530.7  | 372.7  | 278.0 | 288.2 | 536.3  | 350.6 | 146.0 |

Note : unit ; cms

### **3. Daily Mean Discharge at Rio do sul**

# DAILY MEAN DISCHARGE AT RIO DO SUL (1/25)

| Year | : 1941 |       |       |       |       |       |      |       |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul. | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 62.2   | 79.0  | 106.6 | 64.0  | 105.7 | 112.8 | 73.7 | 87.9  | 44.5  | 62.2  | 40.1  | 94.1  |
| 2    | 49.8   | 85.2  | 99.5  | 56.9  | 74.6  | 87.9  | 68.4 | 526.2 | 43.7  | 60.4  | 38.4  | 122.6 |
| 3    | 41.0   | 56.9  | 81.7  | 52.5  | 56.9  | 74.6  | 64.8 | 590.2 | 74.6  | 59.5  | 36.6  | 104.8 |
| 4    | 37.5   | 67.5  | 94.1  | 48.9  | 81.7  | 66.6  | 61.3 | 471.0 | 103.9 | 67.5  | 40.1  | 90.6  |
| 5    | 34.9   | 165.5 | 84.3  | 44.5  | 115.5 | 58.6  | 58.6 | 357.6 | 74.6  | 77.2  | 62.2  | 78.1  |
| 6    | 32.5   | 232.6 | 77.2  | 41.0  | 113.7 | 52.5  | 56.0 | 293.0 | 59.5  | 72.8  | 91.5  | 69.3  |
| 7    | 64.8   | 169.3 | 69.3  | 36.6  | 103.0 | 48.9  | 52.5 | 208.4 | 54.2  | 115.5 | 73.7  | 61.3  |
| 8    | 114.6  | 142.3 | 61.3  | 35.7  | 92.4  | 47.2  | 49.8 | 159.8 | 50.7  | 212.8 | 65.7  | 57.8  |
| 9    | 173.3  | 183.4 | 54.2  | 34.9  | 76.4  | 45.4  | 47.2 | 130.6 | 46.3  | 249.1 | 70.2  | 77.2  |
| 10   | 134.2  | 196.3 | 50.7  | 34.1  | 63.1  | 43.7  | 45.4 | 120.8 | 44.5  | 196.3 | 59.5  | 75.5  |
| 11   | 109.3  | 156.0 | 47.2  | 32.5  | 54.2  | 64.0  | 43.7 | 111.9 | 43.7  | 178.3 | 52.5  | 65.7  |
| 12   | 92.4   | 118.2 | 42.8  | 31.6  | 49.8  | 229.3 | 41.9 | 96.8  | 42.8  | 138.7 | 80.8  | 54.2  |
| 13   | 94.1   | 141.4 | 39.3  | 30.0  | 47.2  | 229.3 | 39.3 | 83.5  | 48.1  | 113.7 | 275.2 | 85.2  |
| 14   | 86.1   | 191.9 | 116.4 | 29.2  | 48.1  | 187.6 | 38.4 | 77.2  | 62.2  | 100.4 | 193.0 | 112.8 |
| 15   | 83.5   | 186.6 | 307.3 | 27.5  | 218.3 | 134.2 | 36.6 | 80.8  | 56.9  | 88.8  | 129.7 | 103.0 |
| 16   | 146.8  | 147.8 | 306.0 | 26.8  | 116.4 | 111.0 | 34.1 | 96.8  | 46.3  | 86.1  | 111.9 | 86.1  |
| 17   | 124.4  | 113.7 | 187.6 | 45.4  | 80.8  | 102.1 | 34.9 | 119.9 | 41.9  | 99.5  | 553.6 | 70.2  |
| 18   | 111.9  | 144.1 | 105.7 | 116.4 | 63.1  | 95.9  | 38.4 | 188.7 | 40.1  | 95.9  | 408.0 | 64.0  |
| 19   | 96.8   | 204.0 | 75.5  | 64.8  | 52.5  | 98.6  | 37.5 | 143.2 | 37.5  | 76.4  | 254.6 | 60.4  |
| 20   | 65.7   | 163.6 | 72.8  | 48.1  | 48.9  | 111.9 | 34.9 | 116.4 | 86.1  | 69.3  | 161.7 | 72.8  |
| 21   | 54.2   | 127.1 | 156.0 | 39.3  | 48.1  | 103.9 | 34.1 | 99.5  | 357.6 | 61.3  | 120.8 | 103.9 |
| 22   | 48.9   | 111.0 | 199.6 | 35.7  | 47.2  | 121.7 | 33.3 | 85.2  | 229.3 | 57.8  | 129.7 | 83.5  |
| 23   | 113.7  | 99.5  | 172.3 | 34.9  | 50.7  | 161.7 | 32.5 | 79.0  | 163.6 | 54.2  | 176.3 | 65.7  |
| 24   | 92.4   | 91.5  | 188.7 | 32.5  | 46.3  | 157.0 | 32.5 | 69.3  | 138.7 | 50.7  | 132.4 | 56.9  |
| 25   | 74.6   | 80.8  | 213.9 | 31.6  | 43.7  | 163.6 | 32.5 | 61.3  | 128.0 | 49.8  | 104.8 | 51.6  |
| 26   | 60.4   | 69.3  | 206.2 | 30.8  | 42.8  | 144.1 | 31.6 | 56.9  | 104.8 | 48.1  | 89.7  | 48.1  |
| 27   | 51.6   | 64.0  | 157.9 | 30.0  | 43.7  | 117.3 | 73.7 | 53.3  | 95.0  | 47.2  | 79.9  | 47.2  |
| 28   | 46.3   | 82.6  | 118.2 | 29.2  | 93.2  | 108.4 | 90.6 | 51.6  | 87.9  | 46.3  | 84.3  | 44.5  |
| 29   | 41.9   |       | 94.1  | 28.4  | 105.7 | 94.1  | 56.9 | 49.8  | 78.1  | 45.4  | 76.4  | 43.7  |
| 30   | 39.3   |       | 80.8  | 30.0  | 80.8  | 81.7  | 45.4 | 47.2  | 69.3  | 44.5  | 83.5  | 45.4  |
| 31   | 37.5   |       | 71.0  |       | 95.9  |       | 39.3 | 45.4  |       | 42.8  |       | 48.1  |
| Mean | 78.0   | 131.1 | 120.6 | 40.8  | 76.1  | 108.5 | 47.1 | 153.5 | 85.1  | 89.3  | 129.2 | 72.4  |

| Year | : 1942 |       |       |       |       |       |       |       |       |       |      |      |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov. | Dec. |
| 1    | 44.5   | 55.1  | 52.5  | 289.1 | 96.8  | 35.7  | 42.8  | 102.1 | 51.6  | 116.4 | 28.4 | 29.2 |
| 2    | 37.5   | 43.7  | 41.0  | 174.3 | 91.5  | 35.7  | 44.5  | 77.2  | 49.8  | 108.4 | 26.8 | 27.5 |
| 3    | 35.7   | 41.9  | 35.7  | 116.4 | 79.9  | 34.9  | 44.5  | 64.8  | 48.1  | 92.4  | 25.3 | 26.0 |
| 4    | 34.9   | 45.4  | 34.9  | 92.4  | 83.5  | 34.9  | 118.2 | 58.6  | 46.3  | 80.8  | 25.3 | 25.3 |
| 5    | 34.9   | 111.9 | 56.0  | 78.1  | 87.0  | 34.9  | 153.3 | 53.3  | 56.9  | 75.5  | 24.5 | 24.5 |
| 6    | 37.5   | 229.3 | 129.7 | 69.3  | 74.6  | 34.1  | 123.5 | 50.7  | 66.6  | 71.9  | 24.5 | 23.8 |
| 7    | 35.7   | 319.0 | 88.8  | 80.8  | 73.7  | 34.1  | 95.9  | 55.1  | 56.9  | 70.2  | 24.5 | 23.0 |
| 8    | 31.6   | 346.4 | 55.1  | 158.8 | 66.6  | 36.6  | 85.2  | 65.7  | 48.1  | 93.2  | 23.8 | 25.3 |
| 9    | 26.0   | 309.9 | 43.7  | 163.6 | 57.8  | 52.5  | 79.0  | 60.4  | 44.5  | 85.2  | 23.8 | 31.6 |
| 10   | 25.3   | 281.3 | 40.1  | 120.8 | 52.5  | 58.6  | 71.0  | 54.2  | 42.8  | 67.5  | 23.8 | 28.4 |
| 11   | 24.5   | 206.2 | 38.4  | 92.4  | 48.9  | 48.9  | 64.0  | 50.7  | 41.0  | 60.4  | 23.8 | 35.7 |
| 12   | 24.5   | 153.3 | 35.7  | 78.1  | 48.1  | 41.9  | 60.4  | 50.7  | 40.1  | 55.1  | 23.0 | 56.0 |
| 13   | 24.5   | 118.2 | 34.1  | 69.3  | 48.9  | 37.5  | 56.9  | 47.2  | 37.5  | 52.5  | 22.3 | 48.9 |
| 14   | 25.3   | 94.1  | 33.3  | 67.5  | 45.4  | 41.0  | 52.5  | 44.5  | 36.6  | 48.9  | 21.5 | 57.8 |
| 15   | 27.5   | 78.1  | 49.8  | 64.8  | 108.4 | 48.1  | 48.9  | 43.7  | 41.0  | 47.2  | 23.8 | 95.9 |
| 16   | 35.7   | 68.4  | 58.6  | 59.5  | 169.3 | 47.2  | 47.2  | 42.8  | 51.6  | 45.4  | 20.0 | 65.7 |
| 17   | 38.4   | 101.3 | 98.6  | 54.2  | 132.4 | 48.9  | 45.4  | 41.0  | 52.5  | 43.7  | 24.5 | 50.7 |
| 18   | 34.9   | 104.8 | 119.9 | 49.8  | 98.6  | 142.3 | 45.4  | 39.3  | 55.1  | 41.0  | 29.2 | 42.8 |
| 19   | 30.8   | 99.5  | 92.4  | 45.4  | 80.8  | 263.5 | 52.5  | 38.4  | 98.6  | 38.4  | 33.3 | 32.5 |
| 20   | 63.1   | 79.9  | 89.7  | 46.3  | 73.7  | 197.4 | 56.0  | 41.0  | 116.4 | 35.7  | 31.6 | 26.8 |
| 21   | 45.4   | 67.5  | 110.2 | 55.1  | 64.8  | 131.5 | 48.9  | 45.4  | 80.8  | 35.7  | 26.8 | 23.0 |
| 22   | 32.5   | 62.2  | 107.5 | 67.5  | 54.2  | 101.3 | 44.5  | 56.9  | 69.3  | 36.6  | 23.8 | 22.3 |
| 23   | 27.5   | 50.7  | 81.7  | 58.6  | 50.7  | 85.2  | 43.7  | 82.6  | 58.6  | 36.6  | 21.5 | 21.5 |
| 24   | 24.5   | 45.4  | 64.0  | 48.9  | 47.2  | 76.4  | 41.0  | 132.4 | 57.8  | 36.6  | 21.5 | 21.5 |
| 25   | 21.5   | 41.9  | 53.3  | 45.4  | 45.4  | 67.5  | 39.3  | 164.5 | 75.5  | 35.7  | 20.8 | 20.8 |
| 26   | 20.0   | 38.4  | 47.2  | 42.8  | 43.7  | 61.3  | 37.5  | 124.4 | 101.3 | 34.9  | 21.5 | 20.0 |
| 27   | 20.0   | 44.5  | 48.1  | 56.9  | 41.0  | 56.0  | 37.5  | 93.2  | 94.1  | 34.1  | 26.0 | 19.3 |
| 28   | 26.0   | 58.6  | 53.3  | 68.4  | 38.4  | 52.5  | 36.6  | 78.1  | 79.9  | 34.1  | 28.4 | 22.3 |
| 29   | 52.5   |       | 68.4  | 77.2  | 35.7  | 49.8  | 35.7  | 66.6  | 71.0  | 32.5  | 24.5 | 20.0 |
| 30   | 89.7   |       | 194.1 | 87.9  | 35.7  | 45.4  | 44.5  | 60.4  | 131.5 | 31.6  | 27.5 | 17.8 |
| 31   | 81.7   |       | 452.8 |       | 35.7  |       | 61.3  | 56.9  |       | 30.8  |      | 15.5 |
| Mean | 35.9   | 117.7 | 80.9  | 86.0  | 68.1  | 67.9  | 59.9  | 65.9  | 63.4  | 55.1  | 24.9 | 32.3 |

Note : unit ; cms

# DAILY MEAN DISCHARGE AT RIO DO SUL (2/25)

| Year | : 1943 |       |      |      |       |       |       |        |       |       |       |      |
|------|--------|-------|------|------|-------|-------|-------|--------|-------|-------|-------|------|
| Day  | Jan.   | Feb.  | Mar. | Apr. | May   | Jun.  | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec. |
| 1    | 14.8   | 79.9  | 28.4 | 30.8 | 11.1  | 391.2 | 53.3  | 581.7  | 78.1  | 80.8  | 49.8  | 27.5 |
| 2    | 14.0   | 69.3  | 26.8 | 19.3 | 9.6   | 322.9 | 56.9  | 1295.0 | 109.3 | 75.5  | 49.8  | 30.0 |
| 3    | 18.5   | 58.6  | 26.0 | 15.5 | 10.3  | 216.1 | 69.3  | 1155.0 | 172.3 | 70.2  | 86.1  | 30.0 |
| 4    | 20.0   | 45.4  | 24.5 | 14.0 | 10.3  | 240.3 | 64.0  | 850.8  | 143.2 | 73.7  | 218.3 | 31.6 |
| 5    | 20.0   | 37.5  | 23.0 | 14.0 | 10.3  | 215.0 | 64.8  | 617.6  | 119.1 | 124.4 | 167.4 | 37.5 |
| 6    | 19.3   | 32.5  | 21.5 | 14.0 | 10.3  | 159.8 | 67.5  | 384.2  | 101.3 | 99.5  | 111.9 | 32.5 |
| 7    | 18.5   | 27.5  | 20.8 | 13.3 | 9.6   | 280.0 | 71.0  | 208.4  | 87.0  | 106.6 | 86.1  | 30.0 |
| 8    | 17.8   | 23.8  | 20.0 | 13.3 | 9.6   | 260.2 | 66.6  | 166.5  | 71.9  | 89.7  | 73.7  | 27.5 |
| 9    | 16.3   | 25.3  | 19.3 | 12.5 | 9.6   | 334.6 | 79.0  | 146.8  | 78.1  | 82.6  | 65.7  | 28.4 |
| 10   | 15.5   | 105.7 | 18.5 | 14.0 | 9.6   | 359.0 | 86.1  | 134.2  | 80.8  | 99.5  | 60.4  | 40.1 |
| 11   | 14.8   | 134.2 | 18.5 | 14.8 | 9.6   | 261.3 | 127.1 | 145.0  | 86.1  | 94.1  | 62.2  | 36.6 |
| 12   | 14.0   | 82.6  | 17.8 | 14.8 | 9.6   | 190.8 | 204.0 | 151.4  | 84.3  | 81.7  | 58.6  | 60.4 |
| 13   | 12.5   | 56.9  | 17.0 | 14.8 | 8.9   | 173.3 | 193.0 | 126.2  | 176.3 | 75.5  | 53.3  | 90.6 |
| 14   | 12.5   | 48.1  | 28.4 | 14.8 | 8.9   | 145.0 | 148.7 | 109.3  | 239.2 | 87.9  | 48.1  | 62.2 |
| 15   | 13.3   | 46.3  | 37.5 | 15.5 | 8.9   | 120.8 | 115.5 | 95.0   | 189.8 | 167.4 | 44.5  | 44.5 |
| 16   | 12.5   | 46.3  | 22.3 | 23.8 | 8.9   | 117.3 | 97.7  | 87.9   | 149.6 | 149.6 | 41.9  | 38.4 |
| 17   | 11.8   | 50.7  | 18.5 | 34.9 | 8.2   | 120.8 | 84.3  | 82.6   | 128.8 | 114.6 | 41.9  | 41.9 |
| 18   | 23.8   | 41.9  | 17.0 | 31.6 | 8.2   | 146.8 | 79.0  | 75.5   | 122.6 | 92.4  | 59.5  | 37.5 |
| 19   | 49.8   | 36.6  | 17.0 | 23.8 | 7.4   | 145.0 | 71.9  | 73.7   | 134.2 | 79.9  | 60.4  | 31.6 |
| 20   | 47.2   | 35.7  | 16.3 | 20.8 | 7.4   | 128.8 | 64.0  | 70.2   | 136.9 | 72.8  | 50.7  | 27.5 |
| 21   | 30.0   | 34.1  | 15.5 | 17.8 | 8.2   | 125.3 | 57.8  | 87.9   | 127.1 | 67.5  | 45.4  | 26.8 |
| 22   | 20.8   | 32.5  | 14.8 | 15.5 | 20.8  | 121.7 | 52.5  | 325.5  | 191.9 | 67.5  | 40.1  | 25.3 |
| 23   | 17.0   | 34.9  | 16.3 | 14.0 | 169.3 | 110.2 | 50.7  | 389.8  | 222.7 | 74.6  | 36.6  | 24.5 |
| 24   | 34.9   | 35.7  | 23.0 | 14.0 | 232.6 | 104.8 | 48.9  | 277.6  | 174.3 | 63.1  | 33.3  | 23.8 |
| 25   | 97.7   | 34.9  | 20.8 | 12.5 | 141.4 | 97.7  | 45.4  | 193.0  | 145.9 | 56.0  | 32.5  | 23.8 |
| 26   | 71.0   | 31.6  | 17.0 | 12.5 | 79.9  | 81.7  | 44.5  | 149.6  | 129.7 | 52.5  | 32.5  | 33.3 |
| 27   | 46.3   | 30.8  | 14.8 | 12.5 | 58.6  | 69.3  | 43.7  | 127.1  | 117.3 | 51.6  | 30.8  | 26.8 |
| 28   | 35.7   | 30.0  | 14.0 | 11.8 | 67.5  | 62.2  | 42.8  | 110.2  | 103.0 | 56.0  | 30.0  | 24.5 |
| 29   | 34.1   |       | 23.0 | 11.8 | 89.7  | 56.0  | 41.9  | 95.0   | 93.2  | 64.8  | 29.2  | 23.8 |
| 30   | 33.3   |       | 30.0 | 11.1 | 171.3 | 53.3  | 280.0 | 86.1   | 84.3  | 59.5  | 28.4  | 23.0 |
| 31   | 71.9   |       | 30.8 |      | 373.0 |       | 785.4 | 78.1   |       | 52.5  |       | 22.3 |
| Mean | 28.4   | 48.2  | 21.3 | 16.8 | 51.6  | 173.7 | 108.3 | 273.4  | 129.3 | 83.4  | 61.0  | 34.3 |

| Year | : 1944 |      |       |      |      |      |      |      |      |      |       |      |
|------|--------|------|-------|------|------|------|------|------|------|------|-------|------|
| Day  | Jan.   | Feb. | Mar.  | Apr. | May  | Jun. | Jul. | Aug. | Sep. | Oct. | Nov.  | Dec. |
| 1    | 22.3   | 64.0 | 41.9  | 36.6 | 20.0 | 13.3 | 16.3 | 11.1 | 92.4 | 15.5 | 15.5  | 28.4 |
| 2    | 22.3   | 66.6 | 33.3  | 32.5 | 19.3 | 12.5 | 14.8 | 10.3 | 59.5 | 14.8 | 14.0  | 26.0 |
| 3    | 28.4   | 63.1 | 30.8  | 29.2 | 18.5 | 11.8 | 16.3 | 10.3 | 39.3 | 14.0 | 20.8  | 26.8 |
| 4    | 45.4   | 52.5 | 30.8  | 27.5 | 17.8 | 11.1 | 19.3 | 9.6  | 30.8 | 14.8 | 23.0  | 29.2 |
| 5    | 39.3   | 46.3 | 35.7  | 25.3 | 17.8 | 11.8 | 21.5 | 9.6  | 26.0 | 23.0 | 23.8  | 27.5 |
| 6    | 34.1   | 43.7 | 49.8  | 23.8 | 17.0 | 12.5 | 40.1 | 9.6  | 23.0 | 20.8 | 25.3  | 25.3 |
| 7    | 47.2   | 41.9 | 40.1  | 22.3 | 16.3 | 14.0 | 50.7 | 10.3 | 26.0 | 16.3 | 54.2  | 23.8 |
| 8    | 62.2   | 34.9 | 34.1  | 21.5 | 16.3 | 15.5 | 39.3 | 11.1 | 37.5 | 14.8 | 105.7 | 22.3 |
| 9    | 76.4   | 33.3 | 29.2  | 20.8 | 16.3 | 14.8 | 25.3 | 17.0 | 43.7 | 23.0 | 169.3 | 20.8 |
| 10   | 158.8  | 31.6 | 29.2  | 20.8 | 17.0 | 14.0 | 25.3 | 18.5 | 28.4 | 32.5 | 114.6 | 19.3 |
| 11   | 152.3  | 27.5 | 36.6  | 20.0 | 17.0 | 13.3 | 29.2 | 12.5 | 23.8 | 26.0 | 68.4  | 17.8 |
| 12   | 134.2  | 26.0 | 86.1  | 20.0 | 17.0 | 13.3 | 26.0 | 12.5 | 21.5 | 21.5 | 48.1  | 16.3 |
| 13   | 194.1  | 25.3 | 265.8 | 19.3 | 16.3 | 12.5 | 23.8 | 12.5 | 19.3 | 26.8 | 42.8  | 14.8 |
| 14   | 271.6  | 24.5 | 316.4 | 18.5 | 16.3 | 11.8 | 23.0 | 11.8 | 18.5 | 77.2 | 50.7  | 13.3 |
| 15   | 220.5  | 23.8 | 237.0 | 17.8 | 15.5 | 11.1 | 20.8 | 11.8 | 18.5 | 52.5 | 53.3  | 11.8 |
| 16   | 252.4  | 23.0 | 133.3 | 17.8 | 15.5 | 10.3 | 20.0 | 11.1 | 17.8 | 37.5 | 46.3  | 11.1 |
| 17   | 224.9  | 32.5 | 147.8 | 22.3 | 15.5 | 10.3 | 19.3 | 11.1 | 17.8 | 31.6 | 35.7  | 9.6  |
| 18   | 162.6  | 27.5 | 237.0 | 30.0 | 16.3 | 18.5 | 18.5 | 12.5 | 17.0 | 35.7 | 30.0  | 8.9  |
| 19   | 126.2  | 29.2 | 262.4 | 48.1 | 17.0 | 45.4 | 17.8 | 12.5 | 16.3 | 26.8 | 25.3  | 8.9  |
| 20   | 100.4  | 31.6 | 183.4 | 97.7 | 20.0 | 44.5 | 17.8 | 12.5 | 15.5 | 23.0 | 23.8  | 8.9  |
| 21   | 78.1   | 34.9 | 128.0 | 81.7 | 20.0 | 32.5 | 17.0 | 12.5 | 15.5 | 22.3 | 23.0  | 8.2  |
| 22   | 67.5   | 52.5 | 95.0  | 46.3 | 19.3 | 40.1 | 17.0 | 12.5 | 15.5 | 20.0 | 21.5  | 7.4  |
| 23   | 62.2   | 43.7 | 74.6  | 33.3 | 19.3 | 49.8 | 16.3 | 12.5 | 14.8 | 17.8 | 20.0  | 8.2  |
| 24   | 68.4   | 36.6 | 62.2  | 27.5 | 18.5 | 33.3 | 15.5 | 11.8 | 14.0 | 15.5 | 18.5  | 11.1 |
| 25   | 67.5   | 38.4 | 55.1  | 26.0 | 18.5 | 27.5 | 14.8 | 11.8 | 14.0 | 23.8 | 22.3  | 10.3 |
| 26   | 64.8   | 41.0 | 48.1  | 23.8 | 18.5 | 22.3 | 14.0 | 11.1 | 14.0 | 48.1 | 45.4  | 9.6  |
| 27   | 64.8   | 40.1 | 43.7  | 22.3 | 18.5 | 20.0 | 13.3 | 11.1 | 14.0 | 28.4 | 88.8  | 8.2  |
| 28   | 74.6   | 49.8 | 40.1  | 21.5 | 17.8 | 19.3 | 12.5 | 10.3 | 14.0 | 21.5 | 79.0  | 8.2  |
| 29   | 79.9   | 35.7 | 37.5  | 20.8 | 17.8 | 17.8 | 11.8 | 20.0 | 17.0 | 23.8 | 50.7  | 10.3 |
| 30   | 92.4   |      | 35.7  | 20.0 | 15.5 | 17.0 | 11.1 | 43.7 | 15.5 | 20.0 | 35.7  | 11.1 |
| 31   | 80.8   |      | 38.4  |      | 14.0 |      | 11.1 | 93.2 |      | 17.8 |       | 11.1 |
| Mean | 102.5  | 38.7 | 94.2  | 29.8 | 17.4 | 20.1 | 20.6 | 15.8 | 24.7 | 26.0 | 46.5  | 15.3 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (3/25)

| Year | : 1945 |       |      |       |      |      |       |      |      |       |      |      |
|------|--------|-------|------|-------|------|------|-------|------|------|-------|------|------|
| Day  | Jan.   | Feb.  | Mar. | Apr.  | May  | Jun. | Jul.  | Aug. | Sep. | Oct.  | Nov. | Dec. |
| 1    | 9.6    | 55.1  | 62.2 | 17.8  | 20.0 | 6.0  | 13.3  | 34.1 | 30.0 | 46.3  | 32.6 | 18.5 |
| 2    | 10.3   | 46.3  | 48.1 | 17.0  | 15.5 | 6.0  | 12.5  | 30.0 | 59.5 | 42.8  | 30.3 | 16.3 |
| 3    | 9.6    | 26.8  | 43.7 | 15.5  | 12.5 | 5.3  | 12.5  | 26.8 | 56.0 | 40.1  | 28.0 | 13.3 |
| 4    | 9.6    | 18.5  | 35.7 | 14.0  | 11.1 | 6.7  | 12.5  | 25.3 | 50.7 | 37.5  | 22.9 | 11.8 |
| 5    | 8.9    | 14.0  | 30.8 | 13.3  | 10.3 | 25.3 | 14.8  | 23.8 | 50.7 | 65.7  | 20.1 | 14.8 |
| 6    | 8.2    | 11.1  | 26.8 | 12.5  | 10.3 | 33.3 | 21.5  | 22.3 | 47.2 | 138.7 | 20.1 | 29.2 |
| 7    | 8.2    | 10.3  | 25.3 | 11.8  | 10.3 | 25.3 | 20.0  | 20.8 | 37.5 | 173.3 | 20.1 | 24.5 |
| 8    | 8.2    | 41.9  | 24.5 | 11.1  | 9.6  | 17.0 | 19.3  | 19.3 | 30.8 | 161.7 | 19.2 | 18.5 |
| 9    | 7.4    | 59.5  | 27.5 | 10.3  | 8.2  | 13.3 | 43.7  | 18.5 | 38.4 | 133.3 | 17.3 | 15.5 |
| 10   | 6.7    | 38.4  | 23.8 | 14.0  | 8.2  | 10.3 | 131.5 | 17.8 | 54.2 | 114.6 | 17.3 | 13.3 |
| 11   | 6.0    | 25.3  | 21.5 | 47.2  | 8.2  | 8.2  | 100.4 | 17.0 | 48.1 | 96.8  | 16.4 | 12.5 |
| 12   | 5.3    | 20.8  | 19.3 | 117.3 | 10.3 | 7.4  | 62.2  | 16.3 | 42.8 | 75.5  | 16.4 | 11.1 |
| 13   | 5.3    | 15.5  | 17.0 | 50.7  | 9.6  | 6.7  | 47.2  | 16.3 | 36.6 | 60.4  | 16.4 | 9.6  |
| 14   | 5.1    | 13.3  | 14.8 | 38.4  | 8.9  | 6.0  | 35.7  | 15.5 | 36.6 | 51.6  | 15.7 | 8.9  |
| 15   | 4.9    | 11.1  | 25.3 | 30.0  | 8.2  | 6.0  | 31.6  | 14.8 | 48.1 | 45.4  | 14.9 | 11.8 |
| 16   | 4.7    | 10.3  | 34.1 | 20.0  | 6.7  | 5.3  | 29.2  | 14.0 | 83.5 | 41.0  | 15.7 | 60.4 |
| 17   | 4.7    | 8.9   | 26.8 | 17.0  | 6.7  | 5.3  | 25.3  | 13.3 | 99.5 | 39.3  | 17.3 | 90.6 |
| 18   | 4.5    | 117.3 | 20.8 | 13.3  | 8.9  | 5.3  | 23.8  | 12.5 | 81.7 | 35.7  | 14.9 | 53.3 |
| 19   | 4.5    | 233.7 | 17.8 | 11.1  | 14.8 | 29.2 | 21.5  | 12.5 | 61.3 | 30.8  | 13.5 | 43.7 |
| 20   | 5.1    | 216.1 | 15.5 | 11.8  | 15.5 | 34.1 | 20.0  | 12.5 | 51.6 | 28.4  | 11.3 | 30.8 |
| 21   | 7.4    | 145.9 | 15.5 | 14.8  | 14.0 | 27.5 | 20.0  | 23.0 | 47.2 | 25.3  | 11.3 | 22.3 |
| 22   | 9.6    | 93.2  | 15.5 | 20.0  | 10.3 | 24.5 | 19.3  | 28.4 | 47.2 | 20.8  | 12.8 | 17.8 |
| 23   | 8.2    | 64.0  | 14.8 | 16.3  | 8.2  | 23.8 | 18.5  | 26.8 | 49.8 | 19.3  | 13.5 | 20.0 |
| 24   | 6.7    | 52.5  | 14.8 | 15.5  | 8.2  | 23.0 | 17.8  | 25.3 | 62.2 | 18.5  | 12.8 | 19.3 |
| 25   | 6.0    | 47.2  | 22.3 | 14.0  | 7.4  | 22.3 | 17.0  | 24.5 | 54.2 | 17.8  | 12.8 | 17.8 |
| 26   | 5.3    | 66.6  | 42.8 | 14.0  | 6.7  | 20.0 | 16.3  | 23.0 | 43.7 | 17.8  | 13.5 | 14.8 |
| 27   | 5.3    | 90.6  | 47.2 | 13.3  | 6.7  | 17.8 | 16.3  | 21.5 | 41.0 | 26.0  | 14.9 | 17.8 |
| 28   | 13.3   | 73.7  | 32.5 | 13.3  | 8.9  | 15.5 | 16.3  | 20.0 | 59.5 | 43.7  | 19.2 | 30.0 |
| 29   | 17.0   |       | 27.5 | 14.8  | 8.2  | 14.0 | 15.5  | 19.3 | 58.6 | 71.9  | 21.0 | 69.3 |
| 30   | 18.5   |       | 20.8 | 19.3  | 6.0  | 13.3 | 15.5  | 18.5 | 48.9 | 62.2  | 20.1 | 55.1 |
| 31   | 28.4   |       | 19.3 |       | 6.0  |      | 17.8  | 17.0 |      | 45.4  |      | 37.5 |
| Mean | 8.5    | 58.1  | 26.9 | 21.6  | 9.8  | 15.5 | 28.7  | 20.3 | 51.9 | 59.0  | 17.8 | 26.8 |

| Year | : 1946 |       |       |       |       |       |       |       |       |       |      |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov. | Dec.  |
| 1    | 30.0   | 157.0 | 108.4 | 145.0 | 24.5  | 87.0  | 223.8 | 74.6  | 197.4 | 39.3  | 68.4 | 24.5  |
| 2    | 26.0   | 426.2 | 204.0 | 141.4 | 25.3  | 181.3 | 180.3 | 70.2  | 145.0 | 35.7  | 75.5 | 23.0  |
| 3    | 32.5   | 489.5 | 219.4 | 118.2 | 26.0  | 135.1 | 145.9 | 65.7  | 119.1 | 31.6  | 89.7 | 22.3  |
| 4    | 36.6   | 382.8 | 302.1 | 90.6  | 25.3  | 101.3 | 128.8 | 61.3  | 102.1 | 29.2  | 79.9 | 21.5  |
| 5    | 33.3   | 208.4 | 298.2 | 79.0  | 24.5  | 79.9  | 111.9 | 58.6  | 94.1  | 32.5  | 68.4 | 20.8  |
| 6    | 28.4   | 123.5 | 243.6 | 79.0  | 24.5  | 69.3  | 101.3 | 58.6  | 86.1  | 31.6  | 60.4 | 22.3  |
| 7    | 32.5   | 91.5  | 174.3 | 79.0  | 23.8  | 62.2  | 197.4 | 57.8  | 77.2  | 43.7  | 54.2 | 19.3  |
| 8    | 30.0   | 76.4  | 125.3 | 72.8  | 23.0  | 56.0  | 280.0 | 52.5  | 69.3  | 79.9  | 50.7 | 18.5  |
| 9    | 39.3   | 104.8 | 102.1 | 65.7  | 23.0  | 50.7  | 223.8 | 48.9  | 63.1  | 77.2  | 48.1 | 17.8  |
| 10   | 30.0   | 154.2 | 88.8  | 59.5  | 22.3  | 47.2  | 178.3 | 46.3  | 59.5  | 56.0  | 52.5 | 18.5  |
| 11   | 26.8   | 201.8 | 79.9  | 58.6  | 30.0  | 44.5  | 145.9 | 44.5  | 56.9  | 43.7  | 47.2 | 90.6  |
| 12   | 30.8   | 149.6 | 109.3 | 53.3  | 68.4  | 41.9  | 131.5 | 42.8  | 53.3  | 38.4  | 43.7 | 185.6 |
| 13   | 125.3  | 108.4 | 133.3 | 47.2  | 102.1 | 41.0  | 139.6 | 42.8  | 51.6  | 40.1  | 40.1 | 155.1 |
| 14   | 240.3  | 135.1 | 208.4 | 43.7  | 95.0  | 39.3  | 175.3 | 41.9  | 50.7  | 38.4  | 36.6 | 116.4 |
| 15   | 215.0  | 180.3 | 337.2 | 41.9  | 57.8  | 38.4  | 197.4 | 41.9  | 48.9  | 35.7  | 35.7 | 87.9  |
| 16   | 144.1  | 234.8 | 309.9 | 39.3  | 48.1  | 33.3  | 346.4 | 41.0  | 48.1  | 42.8  | 34.9 | 65.7  |
| 17   | 92.4   | 239.2 | 245.8 | 36.6  | 41.9  | 32.5  | 380.0 | 40.1  | 46.3  | 233.7 | 33.3 | 53.3  |
| 18   | 64.0   | 230.4 | 175.3 | 33.3  | 43.7  | 30.8  | 290.4 | 39.3  | 44.5  | 272.8 | 48.9 | 48.9  |
| 19   | 90.6   | 276.4 | 127.1 | 31.6  | 92.4  | 30.0  | 220.5 | 38.4  | 42.8  | 239.2 | 69.3 | 45.4  |
| 20   | 109.3  | 309.9 | 101.3 | 35.7  | 137.8 | 30.8  | 183.4 | 37.5  | 40.1  | 311.2 | 62.2 | 65.7  |
| 21   | 83.5   | 264.6 | 86.1  | 34.1  | 132.4 | 30.8  | 165.5 | 36.6  | 38.4  | 248.0 | 51.6 | 92.4  |
| 22   | 63.1   | 200.7 | 76.4  | 32.5  | 103.0 | 41.0  | 146.8 | 36.6  | 37.5  | 166.5 | 46.3 | 79.9  |
| 23   | 52.5   | 141.4 | 67.5  | 31.6  | 78.1  | 241.4 | 138.7 | 41.0  | 38.4  | 128.0 | 41.0 | 87.9  |
| 24   | 48.9   | 114.6 | 89.7  | 30.0  | 63.1  | 382.8 | 153.3 | 48.1  | 48.9  | 111.0 | 34.9 | 106.6 |
| 25   | 64.0   | 101.3 | 104.8 | 29.2  | 56.0  | 443.0 | 142.3 | 41.9  | 47.2  | 101.3 | 34.9 | 71.0  |
| 26   | 96.8   | 124.4 | 141.4 | 25.3  | 50.7  | 436.0 | 128.8 | 37.5  | 40.1  | 87.9  | 38.4 | 57.8  |
| 27   | 109.3  | 180.3 | 98.6  | 26.8  | 47.2  | 268.0 | 111.9 | 67.5  | 37.5  | 77.2  | 34.9 | 48.1  |
| 28   | 102.1  | 165.5 | 76.4  | 26.8  | 44.5  | 186.6 | 97.7  | 278.8 | 36.6  | 94.1  | 31.6 | 43.7  |
| 29   | 95.9   |       | 65.7  | 26.0  | 41.9  | 289.1 | 86.1  | 857.7 | 42.8  | 94.1  | 29.2 | 41.0  |
| 30   | 79.0   |       | 57.8  | 26.0  | 41.0  | 306.0 | 83.5  | 563.5 | 40.1  | 85.2  | 26.8 | 34.1  |
| 31   | 77.2   |       | 94.1  |       | 41.9  |       | 79.0  | 337.2 |       | 75.5  |      | 30.8  |
| Mean | 75.1   | 199.0 | 150.1 | 54.7  | 53.5  | 128.6 | 171.5 | 108.1 | 63.5  | 97.5  | 49.0 | 58.6  |



# DAILY MEAN DISCHARGE AT RIO DO SUL (4/25)

| Year | : 1947 |       |       |      |      |       |       |       |       |       |       |       |
|------|--------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May  | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 29.2   | 34.9  | 128.8 | 31.6 | 20.0 | 20.0  | 40.1  | 205.1 | 118.2 | 215.0 | 133.3 | 42.8  |
| 2    | 28.4   | 33.3  | 149.6 | 30.8 | 20.8 | 19.3  | 39.3  | 223.8 | 531.0 | 202.9 | 142.3 | 51.6  |
| 3    | 27.5   | 32.5  | 136.0 | 30.0 | 27.5 | 17.8  | 72.8  | 143.2 | 476.6 | 201.8 | 241.4 | 88.8  |
| 4    | 28.4   | 31.6  | 112.8 | 29.2 | 37.5 | 17.0  | 227.1 | 103.9 | 329.4 | 244.7 | 245.8 | 72.8  |
| 5    | 36.6   | 35.7  | 101.3 | 27.5 | 41.0 | 15.5  | 185.6 | 82.6  | 206.2 | 234.8 | 188.7 | 59.5  |
| 6    | 41.9   | 47.2  | 115.5 | 27.5 | 31.6 | 14.8  | 134.2 | 77.2  | 143.2 | 191.9 | 152.3 | 49.8  |
| 7    | 34.1   | 53.3  | 110.2 | 26.8 | 28.4 | 15.5  | 88.8  | 78.1  | 112.8 | 172.3 | 128.8 | 43.7  |
| 8    | 28.4   | 59.5  | 95.9  | 25.3 | 24.5 | 16.3  | 70.2  | 81.7  | 104.8 | 182.4 | 111.9 | 41.9  |
| 9    | 45.4   | 56.9  | 80.8  | 24.5 | 23.0 | 15.5  | 59.5  | 88.8  | 105.7 | 246.9 | 99.5  | 43.7  |
| 10   | 103.9  | 64.8  | 67.5  | 23.0 | 23.0 | 15.5  | 51.6  | 123.5 | 137.8 | 223.8 | 92.4  | 167.4 |
| 11   | 70.2   | 119.1 | 60.4  | 21.5 | 22.3 | 21.5  | 47.2  | 180.3 | 113.7 | 184.5 | 85.2  | 217.2 |
| 12   | 52.5   | 134.2 | 70.2  | 20.0 | 21.5 | 30.8  | 43.7  | 180.3 | 87.9  | 153.3 | 78.1  | 148.7 |
| 13   | 60.4   | 132.4 | 90.6  | 17.8 | 21.5 | 54.2  | 42.8  | 135.1 | 68.4  | 128.8 | 73.7  | 99.5  |
| 14   | 111.0  | 223.8 | 72.8  | 17.0 | 20.8 | 128.8 | 40.1  | 107.5 | 80.8  | 111.9 | 71.0  | 85.2  |
| 15   | 133.3  | 163.6 | 71.9  | 15.5 | 20.0 | 151.4 | 38.4  | 88.8  | 90.6  | 100.4 | 68.4  | 72.8  |
| 16   | 96.8   | 113.7 | 67.5  | 14.8 | 18.5 | 94.1  | 37.5  | 79.9  | 80.8  | 90.6  | 64.8  | 59.5  |
| 17   | 71.9   | 77.2  | 71.9  | 17.0 | 17.0 | 76.4  | 36.6  | 72.8  | 98.6  | 82.6  | 61.3  | 61.3  |
| 18   | 90.6   | 75.5  | 91.5  | 27.5 | 18.5 | 68.4  | 35.7  | 65.7  | 157.0 | 87.0  | 56.9  | 93.2  |
| 19   | 77.2   | 171.3 | 83.5  | 41.9 | 53.3 | 59.5  | 35.7  | 61.3  | 370.2 | 92.4  | 52.5  | 81.7  |
| 20   | 71.0   | 229.3 | 68.4  | 34.9 | 64.0 | 49.8  | 34.1  | 56.0  | 489.5 | 110.2 | 48.9  | 71.0  |
| 21   | 58.6   | 251.3 | 58.6  | 32.5 | 42.8 | 46.3  | 33.3  | 53.3  | 329.4 | 142.3 | 48.1  | 61.3  |
| 22   | 51.6   | 211.7 | 51.6  | 30.0 | 38.4 | 56.9  | 32.5  | 50.7  | 221.6 | 121.7 | 46.3  | 60.4  |
| 23   | 46.3   | 165.5 | 47.2  | 27.5 | 37.5 | 74.6  | 30.8  | 49.8  | 204.0 | 106.6 | 46.3  | 57.8  |
| 24   | 41.9   | 156.0 | 44.5  | 25.3 | 38.4 | 77.2  | 30.0  | 47.2  | 375.8 | 117.3 | 48.1  | 56.0  |
| 25   | 37.5   | 145.9 | 42.8  | 24.5 | 36.6 | 66.6  | 29.2  | 41.9  | 394.0 | 608.9 | 48.9  | 52.5  |
| 26   | 34.9   | 266.9 | 40.1  | 23.0 | 34.9 | 59.5  | 27.5  | 41.0  | 377.2 | 619.4 | 48.9  | 51.6  |
| 27   | 30.8   | 221.6 | 38.4  | 21.5 | 30.0 | 51.6  | 33.3  | 47.2  | 303.4 | 438.8 | 46.3  | 50.7  |
| 28   | 38.4   | 151.4 | 36.6  | 20.8 | 28.4 | 47.2  | 49.8  | 62.2  | 259.0 | 291.7 | 44.5  | 58.6  |
| 29   | 40.1   |       | 35.7  | 20.0 | 26.0 | 44.5  | 56.9  | 56.0  | 244.7 | 200.7 | 43.7  | 109.3 |
| 30   | 37.5   |       | 34.9  | 20.0 | 24.5 | 41.9  | 54.2  | 45.4  | 252.4 | 165.5 | 43.7  | 103.9 |
| 31   | 38.4   |       | 34.1  |      | 21.5 |       | 48.1  | 41.0  |       | 146.8 |       | 79.9  |
| Mean | 54.7   | 123.6 | 74.6  | 25.0 | 29.5 | 48.9  | 57.6  | 89.4  | 228.8 | 200.6 | 88.7  | 77.2  |

| Year | : 1948 |       |       |       |        |       |       |        |      |       |       |      |
|------|--------|-------|-------|-------|--------|-------|-------|--------|------|-------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May    | Jun.  | Jul.  | Aug.   | Sep. | Oct.  | Nov.  | Dec. |
| 1    | 65.7   | 67.5  | 204.0 | 61.3  | 35.7   | 103.9 | 33.3  | 521.4  | 66.6 | 39.3  | 79.9  | 30.0 |
| 2    | 53.3   | 60.4  | 190.8 | 60.4  | 51.6   | 94.1  | 32.5  | 1337.5 | 63.1 | 36.6  | 68.4  | 29.2 |
| 3    | 47.2   | 77.2  | 144.1 | 85.2  | 111.9  | 87.9  | 33.3  | 841.6  | 59.5 | 35.7  | 56.9  | 27.5 |
| 4    | 43.7   | 82.6  | 119.9 | 354.8 | 198.5  | 79.0  | 35.7  | 543.8  | 58.6 | 39.3  | 48.9  | 26.0 |
| 5    | 53.3   | 73.7  | 97.7  | 272.8 | 137.8  | 69.3  | 34.1  | 448.6  | 56.0 | 45.4  | 45.4  | 25.3 |
| 6    | 51.6   | 65.7  | 83.5  | 176.3 | 101.3  | 63.1  | 32.5  | 506.0  | 54.2 | 41.9  | 41.9  | 24.5 |
| 7    | 47.2   | 59.5  | 71.0  | 130.6 | 82.6   | 62.2  | 31.6  | 451.4  | 53.3 | 41.0  | 40.1  | 23.8 |
| 8    | 43.7   | 56.0  | 62.2  | 111.0 | 78.1   | 60.4  | 30.8  | 617.6  | 52.5 | 38.4  | 92.4  | 26.8 |
| 9    | 41.0   | 62.2  | 60.4  | 107.5 | 71.9   | 60.4  | 30.0  | 473.8  | 51.6 | 35.7  | 95.0  | 30.8 |
| 10   | 39.3   | 72.8  | 61.3  | 97.7  | 62.2   | 60.4  | 29.2  | 371.6  | 50.7 | 34.1  | 82.6  | 30.8 |
| 11   | 36.6   | 80.8  | 187.6 | 89.7  | 56.0   | 59.5  | 27.5  | 291.7  | 49.8 | 43.7  | 105.7 | 28.4 |
| 12   | 34.9   | 88.8  | 274.0 | 80.8  | 51.6   | 57.8  | 26.0  | 210.6  | 50.7 | 56.9  | 146.8 | 26.0 |
| 13   | 33.3   | 96.8  | 139.6 | 71.0  | 48.1   | 55.1  | 25.3  | 198.5  | 56.0 | 48.9  | 119.9 | 23.8 |
| 14   | 32.5   | 99.5  | 113.7 | 63.1  | 47.2   | 55.1  | 24.5  | 145.0  | 78.1 | 43.7  | 102.1 | 22.3 |
| 15   | 30.8   | 165.5 | 102.1 | 64.0  | 46.3   | 50.7  | 25.3  | 126.2  | 86.1 | 41.9  | 83.5  | 20.8 |
| 16   | 28.4   | 269.2 | 93.2  | 74.6  | 108.4  | 47.2  | 31.6  | 106.6  | 64.8 | 38.4  | 77.2  | 20.0 |
| 17   | 30.8   | 211.7 | 81.7  | 66.6  | 1152.5 | 46.3  | 103.9 | 103.9  | 54.2 | 35.7  | 75.5  | 18.5 |
| 18   | 30.0   | 171.3 | 72.8  | 58.6  | 987.5  | 45.4  | 409.4 | 102.1  | 48.9 | 34.9  | 61.3  | 24.5 |
| 19   | 30.8   | 149.6 | 70.2  | 55.1  | 922.5  | 44.5  | 238.1 | 100.4  | 46.3 | 33.3  | 55.1  | 25.3 |
| 20   | 37.5   | 132.4 | 67.5  | 61.3  | 590.2  | 42.8  | 153.3 | 93.2   | 46.3 | 32.5  | 49.8  | 22.3 |
| 21   | 80.8   | 133.3 | 65.7  | 70.2  | 389.8  | 41.0  | 111.0 | 87.9   | 47.2 | 32.5  | 45.4  | 20.0 |
| 22   | 133.3  | 117.3 | 63.1  | 85.2  | 275.2  | 40.1  | 87.0  | 82.6   | 46.3 | 31.6  | 41.9  | 17.0 |
| 23   | 145.0  | 104.8 | 59.5  | 62.2  | 200.7  | 39.3  | 72.8  | 79.9   | 45.4 | 31.6  | 39.3  | 15.5 |
| 24   | 136.9  | 95.9  | 71.9  | 49.8  | 150.5  | 38.4  | 87.9  | 77.2   | 44.5 | 34.1  | 36.6  | 14.8 |
| 25   | 119.1  | 92.4  | 112.8 | 47.2  | 112.8  | 37.5  | 118.2 | 77.2   | 43.7 | 70.2  | 33.3  | 14.0 |
| 26   | 106.6  | 106.6 | 152.3 | 41.0  | 108.4  | 36.6  | 240.3 | 117.3  | 42.8 | 48.9  | 34.1  | 15.5 |
| 27   | 106.6  | 147.8 | 140.5 | 40.1  | 105.7  | 35.7  | 427.6 | 119.9  | 42.8 | 34.1  | 40.1  | 14.0 |
| 28   | 82.6   | 176.3 | 131.5 | 41.9  | 128.0  | 34.9  | 304.7 | 95.9   | 49.8 | 72.8  | 37.5  | 13.3 |
| 29   | 71.0   | 227.1 | 101.3 | 39.3  | 157.0  | 34.9  | 201.8 | 82.6   | 42.8 | 147.8 | 34.1  | 13.3 |
| 30   | 64.0   |       | 76.4  | 37.5  | 131.5  | 34.1  | 156.0 | 79.0   | 41.0 | 128.0 | 32.5  | 12.5 |
| 31   | 79.9   |       | 64.8  |       | 119.1  |       | 125.3 | 73.7   |      | 103.0 |       | 12.5 |
| Mean | 62.5   | 115.3 | 107.6 | 88.6  | 220.0  | 53.9  | 107.1 | 276.3  | 53.1 | 49.4  | 63.4  | 21.6 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (5/25)

| Year | : 1949 |      |       |       |      |       |      |       |       |       |      |      |
|------|--------|------|-------|-------|------|-------|------|-------|-------|-------|------|------|
| Day  | Jan.   | Feb. | Mar.  | Apr.  | May  | Jun.  | Jul. | Aug.  | Sep.  | Oct.  | Nov. | Dec. |
| 1    | 11.8   | 18.5 | 10.3  | 40.1  | 34.9 | 17.0  | 29.2 | 32.5  | 52.5  | 82.6  | 33.3 | 19.3 |
| 2    | 11.8   | 16.3 | 13.3  | 81.7  | 31.6 | 17.8  | 27.5 | 31.6  | 50.7  | 68.4  | 30.8 | 18.5 |
| 3    | 11.1   | 14.0 | 20.8  | 193.0 | 30.0 | 17.0  | 26.0 | 30.8  | 48.9  | 59.5  | 30.0 | 17.0 |
| 4    | 10.3   | 11.8 | 107.5 | 177.3 | 41.9 | 17.0  | 25.3 | 29.2  | 47.2  | 55.1  | 29.2 | 16.3 |
| 5    | 17.0   | 11.1 | 52.5  | 114.6 | 49.8 | 17.0  | 25.3 | 28.4  | 52.5  | 92.4  | 27.5 | 15.5 |
| 6    | 20.8   | 11.1 | 35.7  | 73.7  | 46.3 | 34.9  | 25.3 | 49.8  | 49.8  | 104.8 | 29.2 | 15.5 |
| 7    | 29.2   | 12.5 | 34.9  | 53.3  | 34.1 | 47.2  | 24.5 | 104.8 | 46.3  | 86.1  | 43.7 | 20.8 |
| 8    | 31.6   | 17.0 | 68.4  | 41.0  | 30.0 | 49.8  | 24.5 | 202.9 | 41.0  | 73.7  | 38.4 | 32.5 |
| 9    | 56.0   | 20.8 | 66.6  | 35.7  | 27.5 | 55.1  | 24.5 | 178.3 | 37.5  | 64.8  | 34.9 | 27.5 |
| 10   | 123.5  | 16.3 | 38.4  | 32.5  | 26.0 | 103.0 | 23.8 | 153.3 | 35.7  | 59.5  | 33.3 | 20.0 |
| 11   | 95.0   | 14.0 | 27.5  | 30.0  | 28.4 | 264.6 | 23.8 | 170.3 | 58.6  | 57.8  | 37.5 | 23.0 |
| 12   | 65.7   | 11.1 | 23.8  | 28.4  | 61.3 | 287.8 | 23.8 | 138.7 | 185.6 | 56.9  | 33.3 | 30.8 |
| 13   | 42.8   | 10.3 | 21.5  | 25.3  | 40.1 | 195.2 | 23.0 | 105.7 | 226.0 | 56.0  | 26.8 | 48.9 |
| 14   | 40.1   | 9.6  | 20.0  | 22.3  | 34.9 | 130.6 | 23.0 | 86.1  | 162.6 | 48.1  | 22.3 | 27.5 |
| 15   | 43.7   | 9.6  | 17.8  | 20.0  | 31.6 | 135.1 | 23.0 | 77.2  | 136.0 | 44.5  | 20.0 | 23.0 |
| 16   | 38.4   | 14.0 | 16.3  | 18.5  | 28.4 | 187.6 | 32.5 | 68.4  | 126.2 | 48.1  | 18.5 | 21.5 |
| 17   | 30.0   | 19.3 | 16.3  | 17.8  | 26.0 | 145.0 | 71.9 | 58.6  | 162.6 | 53.3  | 17.8 | 20.0 |
| 18   | 36.6   | 24.5 | 15.5  | 16.3  | 24.5 | 108.4 | 45.4 | 55.1  | 181.3 | 47.2  | 17.8 | 19.3 |
| 19   | 29.2   | 22.3 | 20.8  | 15.5  | 23.0 | 85.2  | 34.9 | 53.3  | 155.1 | 44.5  | 17.8 | 17.8 |
| 20   | 25.3   | 19.3 | 53.3  | 14.0  | 21.5 | 71.9  | 54.2 | 52.5  | 129.7 | 42.8  | 17.0 | 17.0 |
| 21   | 22.3   | 16.3 | 67.5  | 12.5  | 20.8 | 64.8  | 52.5 | 69.3  | 119.1 | 50.7  | 17.0 | 16.3 |
| 22   | 19.3   | 14.8 | 52.5  | 12.5  | 20.0 | 59.5  | 39.3 | 55.1  | 112.8 | 75.5  | 17.0 | 14.8 |
| 23   | 17.8   | 16.3 | 41.9  | 12.5  | 20.0 | 56.9  | 30.8 | 63.1  | 97.7  | 66.6  | 17.0 | 19.3 |
| 24   | 17.0   | 23.8 | 34.9  | 34.1  | 19.3 | 54.2  | 41.9 | 60.4  | 84.3  | 52.5  | 30.0 | 17.0 |
| 25   | 15.5   | 19.3 | 30.0  | 217.2 | 19.3 | 50.7  | 52.5 | 54.2  | 76.4  | 47.2  | 27.5 | 13.3 |
| 26   | 15.5   | 18.5 | 25.3  | 233.7 | 18.5 | 45.4  | 45.4 | 48.9  | 71.9  | 43.7  | 28.4 | 11.1 |
| 27   | 14.0   | 14.8 | 23.0  | 157.9 | 18.5 | 40.1  | 41.0 | 48.9  | 69.3  | 42.8  | 27.5 | 12.5 |
| 28   | 14.0   | 12.5 | 21.5  | 64.8  | 17.8 | 36.6  | 39.3 | 64.0  | 66.6  | 42.8  | 26.8 | 23.0 |
| 29   | 17.0   |      | 36.6  | 50.7  | 17.0 | 33.3  | 37.5 | 72.8  | 60.4  | 44.5  | 21.5 | 67.5 |
| 30   | 22.3   |      | 47.2  | 41.0  | 16.3 | 30.8  | 35.7 | 63.1  | 88.8  | 42.8  | 18.5 | 93.2 |
| 31   | 21.5   |      | 46.3  |       | 16.3 |       | 33.3 | 56.9  |       | 37.5  |      | 71.0 |
| Mean | 31.2   | 15.7 | 35.7  | 62.9  | 28.2 | 82.0  | 34.2 | 76.3  | 94.4  | 57.8  | 26.3 | 26.2 |

| Year | : 1950 |       |       |      |       |      |       |       |       |        |      |       |
|------|--------|-------|-------|------|-------|------|-------|-------|-------|--------|------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May   | Jun. | Jul.  | Aug.  | Sep.  | Oct.   | Nov. | Dec.  |
| 1    | 48.1   | 59.5  | 59.5  | 43.7 | 18.5  | 30.8 | 20.0  | 17.8  | 46.3  | 49.8   | 49.8 | 31.6  |
| 2    | 40.1   | 56.0  | 178.3 | 40.1 | 19.3  | 34.1 | 19.3  | 18.5  | 44.5  | 45.4   | 48.1 | 32.5  |
| 3    | 56.9   | 99.5  | 385.6 | 51.6 | 20.0  | 30.8 | 17.0  | 20.0  | 37.5  | 41.0   | 52.5 | 36.6  |
| 4    | 57.8   | 140.5 | 374.4 | 44.5 | 23.0  | 30.0 | 16.3  | 23.0  | 34.9  | 37.5   | 49.8 | 49.8  |
| 5    | 66.6   | 135.1 | 350.6 | 34.1 | 27.5  | 25.3 | 17.0  | 29.2  | 33.3  | 34.9   | 45.4 | 84.3  |
| 6    | 108.4  | 90.6  | 280.0 | 30.8 | 23.0  | 26.8 | 16.3  | 27.5  | 34.1  | 48.9   | 41.9 | 138.7 |
| 7    | 97.7   | 66.6  | 173.3 | 29.2 | 20.8  | 34.9 | 20.0  | 25.3  | 36.6  | 60.4   | 41.0 | 69.3  |
| 8    | 84.3   | 53.3  | 133.3 | 27.5 | 20.0  | 65.7 | 24.5  | 23.0  | 41.9  | 49.8   | 40.1 | 54.2  |
| 9    | 82.6   | 52.5  | 117.3 | 26.0 | 19.3  | 68.4 | 52.5  | 20.0  | 109.3 | 41.9   | 41.0 | 47.2  |
| 10   | 190.8  | 53.3  | 109.3 | 24.5 | 18.5  | 52.5 | 104.8 | 36.6  | 146.8 | 59.5   | 41.9 | 41.9  |
| 11   | 278.8  | 57.8  | 83.5  | 23.8 | 21.5  | 43.7 | 70.2  | 88.8  | 105.7 | 83.5   | 44.5 | 37.5  |
| 12   | 221.6  | 71.0  | 72.8  | 26.0 | 20.0  | 39.3 | 49.8  | 147.8 | 64.0  | 163.6  | 44.5 | 36.6  |
| 13   | 157.0  | 63.1  | 62.2  | 38.4 | 19.3  | 35.7 | 41.0  | 243.6 | 51.6  | 190.8  | 51.6 | 49.8  |
| 14   | 121.7  | 50.7  | 59.5  | 44.5 | 18.5  | 33.3 | 36.6  | 532.6 | 48.1  | 160.7  | 54.2 | 61.3  |
| 15   | 96.8   | 48.9  | 63.1  | 38.4 | 16.3  | 31.6 | 30.8  | 417.8 | 42.8  | 259.0  | 54.2 | 81.7  |
| 16   | 65.7   | 47.2  | 63.1  | 29.2 | 17.8  | 33.3 | 30.0  | 212.8 | 39.3  | 722.0  | 41.9 | 60.4  |
| 17   | 59.5   | 46.3  | 56.0  | 40.1 | 23.0  | 33.3 | 29.2  | 142.3 | 34.9  | 1042.5 | 34.9 | 48.1  |
| 18   | 51.6   | 47.2  | 53.3  | 35.7 | 22.3  | 31.6 | 26.0  | 110.2 | 31.6  | 761.6  | 28.4 | 36.6  |
| 19   | 45.4   | 49.8  | 50.7  | 30.0 | 31.6  | 27.5 | 24.5  | 102.1 | 28.4  | 608.9  | 33.3 | 34.1  |
| 20   | 49.8   | 61.3  | 47.2  | 27.5 | 52.5  | 26.8 | 23.8  | 93.2  | 26.0  | 402.4  | 30.8 | 36.6  |
| 21   | 34.9   | 102.1 | 44.5  | 26.0 | 117.3 | 25.3 | 23.8  | 92.4  | 66.6  | 211.7  | 35.7 | 40.1  |
| 22   | 42.8   | 134.2 | 42.8  | 30.0 | 186.6 | 24.5 | 23.0  | 106.6 | 117.3 | 166.5  | 48.1 | 33.3  |
| 23   | 78.1   | 128.0 | 35.7  | 24.5 | 113.7 | 23.8 | 22.3  | 91.5  | 111.0 | 136.0  | 40.1 | 25.3  |
| 24   | 130.6  | 106.6 | 32.5  | 20.8 | 80.8  | 23.0 | 21.5  | 84.3  | 170.3 | 118.2  | 30.8 | 28.4  |
| 25   | 95.9   | 81.7  | 29.2  | 20.0 | 60.4  | 24.5 | 20.8  | 70.2  | 143.2 | 108.4  | 30.0 | 42.8  |
| 26   | 81.7   | 70.2  | 32.5  | 26.0 | 42.8  | 23.0 | 20.0  | 66.6  | 104.8 | 101.3  | 28.4 | 50.7  |
| 27   | 62.2   | 60.4  | 32.5  | 26.8 | 34.9  | 21.5 | 19.3  | 58.6  | 82.6  | 90.6   | 27.5 | 56.9  |
| 28   | 48.1   | 52.5  | 37.5  | 23.8 | 31.6  | 20.8 | 19.3  | 53.3  | 66.6  | 81.7   | 29.2 | 88.8  |
| 29   | 42.8   |       | 41.9  | 22.3 | 29.2  | 20.0 | 18.5  | 52.5  | 59.5  | 71.0   | 34.9 | 126.2 |
| 30   | 48.1   |       | 45.4  | 19.3 | 26.8  | 18.5 | 18.5  | 48.1  | 54.2  | 63.1   | 34.1 | 132.4 |
| 31   | 73.7   |       | 47.2  |      | 29.2  |      | 17.8  | 47.2  |       | 56.0   |      | 95.9  |
| Mean | 87.7   | 74.5  | 103.1 | 30.8 | 38.9  | 32.0 | 28.9  | 100.1 | 67.1  | 195.8  | 40.3 | 57.7  |

# DAILY MEAN DISCHARGE AT RIO DO SUL (6/25)

| Year | : 1951 |       |       |      |      |      |       |      |      |       |       |      |
|------|--------|-------|-------|------|------|------|-------|------|------|-------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May  | Jun. | Jul.  | Aug. | Sep. | Oct.  | Nov.  | Dec. |
| 1    | 88.8   | 238.1 | 293.0 | 54.2 | 25.3 | 23.9 | 27.5  | 16.3 | 13.3 | 9.6   | 140.5 | 58.6 |
| 2    | 69.3   | 240.3 | 249.1 | 65.7 | 24.5 | 20.1 | 25.3  | 16.3 | 12.5 | 8.9   | 118.2 | 56.0 |
| 3    | 58.6   | 217.2 | 207.3 | 80.8 | 23.8 | 18.3 | 30.0  | 16.3 | 12.5 | 8.2   | 92.4  | 64.8 |
| 4    | 51.6   | 293.0 | 198.5 | 69.3 | 23.0 | 16.4 | 92.4  | 16.3 | 11.8 | 10.3  | 80.8  | 77.2 |
| 5    | 98.6   | 338.5 | 213.9 | 50.7 | 22.3 | 16.4 | 118.2 | 16.3 | 11.8 | 23.0  | 75.5  | 60.4 |
| 6    | 135.1  | 380.0 | 230.4 | 45.4 | 22.3 | 16.4 | 75.5  | 16.3 | 11.1 | 33.3  | 67.5  | 55.1 |
| 7    | 138.7  | 317.7 | 224.9 | 41.9 | 21.5 | 17.3 | 53.3  | 17.0 | 11.1 | 26.8  | 59.5  | 49.8 |
| 8    | 90.6   | 263.5 | 212.8 | 40.1 | 20.0 | 18.3 | 55.1  | 17.0 | 11.1 | 19.3  | 62.2  | 46.3 |
| 9    | 67.5   | 190.8 | 175.3 | 38.4 | 19.3 | 17.3 | 60.4  | 16.3 | 10.3 | 17.0  | 57.8  | 44.5 |
| 10   | 60.4   | 146.8 | 157.0 | 37.5 | 18.5 | 16.4 | 48.1  | 15.5 | 10.3 | 13.3  | 51.6  | 41.9 |
| 11   | 70.2   | 115.5 | 145.0 | 35.7 | 17.8 | 18.3 | 42.8  | 14.8 | 10.3 | 11.8  | 48.1  | 41.9 |
| 12   | 87.9   | 124.4 | 154.2 | 34.9 | 17.0 | 17.3 | 30.0  | 14.8 | 10.3 | 11.1  | 42.8  | 39.3 |
| 13   | 105.7  | 99.5  | 131.5 | 32.5 | 17.0 | 16.4 | 25.3  | 14.8 | 9.6  | 21.5  | 73.7  | 41.9 |
| 14   | 93.2   | 82.6  | 101.3 | 30.8 | 16.3 | 15.7 | 20.8  | 14.0 | 8.9  | 65.7  | 130.6 | 35.7 |
| 15   | 85.2   | 73.7  | 93.2  | 37.5 | 16.3 | 15.7 | 20.8  | 14.0 | 8.2  | 304.7 | 92.4  | 31.6 |
| 16   | 125.3  | 71.9  | 104.8 | 35.7 | 16.3 | 15.7 | 20.0  | 14.0 | 8.2  | 308.6 | 97.7  | 30.0 |
| 17   | 101.3  | 73.7  | 101.3 | 31.6 | 15.5 | 14.9 | 19.3  | 14.0 | 8.9  | 201.8 | 97.7  | 31.6 |
| 18   | 91.5   | 94.1  | 118.2 | 30.0 | 15.5 | 14.9 | 18.5  | 13.3 | 23.0 | 359.0 | 73.7  | 38.4 |
| 19   | 138.7  | 130.6 | 99.5  | 29.2 | 17.8 | 14.9 | 17.8  | 13.3 | 49.8 | 669.0 | 59.5  | 34.9 |
| 20   | 237.0  | 129.7 | 86.1  | 28.4 | 21.5 | 14.9 | 17.0  | 12.5 | 43.7 | 563.5 | 52.5  | 31.6 |
| 21   | 202.9  | 112.8 | 76.4  | 27.5 | 26.8 | 14.9 | 17.0  | 12.5 | 31.6 | 415.0 | 47.2  | 28.4 |
| 22   | 170.3  | 110.2 | 71.0  | 26.0 | 24.5 | 14.9 | 16.3  | 11.8 | 21.5 | 328.1 | 38.4  | 26.0 |
| 23   | 144.1  | 183.4 | 76.4  | 25.3 | 23.0 | 14.9 | 16.3  | 11.8 | 12.5 | 213.9 | 40.1  | 48.1 |
| 24   | 159.8  | 415.0 | 64.0  | 23.8 | 20.8 | 14.9 | 18.5  | 11.8 | 11.1 | 156.0 | 56.0  | 74.6 |
| 25   | 139.6  | 401.0 | 56.0  | 23.8 | 20.0 | 13.5 | 18.5  | 11.8 | 9.6  | 139.6 | 96.8  | 56.0 |
| 26   | 121.7  | 455.6 | 48.1  | 33.3 | 19.3 | 14.2 | 19.3  | 11.1 | 11.1 | 159.8 | 140.5 | 41.9 |
| 27   | 111.9  | 410.8 | 41.9  | 31.6 | 18.5 | 17.3 | 18.5  | 11.1 | 13.3 | 194.1 | 106.6 | 34.9 |
| 28   | 98.6   | 352.0 | 40.1  | 29.2 | 18.5 | 24.8 | 17.8  | 11.1 | 12.5 | 255.7 | 103.0 | 37.5 |
| 29   | 91.5   |       | 38.4  | 26.8 | 21.5 | 62.2 | 17.8  | 11.1 | 11.1 | 399.6 | 80.8  | 46.3 |
| 30   | 134.2  |       | 41.9  | 26.8 | 28.4 | 45.1 | 17.0  | 12.5 | 10.3 | 300.8 | 67.5  | 70.2 |
| 31   | 200.7  |       | 43.7  |      | 30.8 |      | 16.3  | 14.0 |      | 215.0 |       | 45.4 |
| Mean | 115.2  | 216.5 | 125.7 | 37.5 | 20.8 | 19.2 | 32.6  | 14.0 | 14.7 | 176.3 | 78.4  | 45.8 |

| Year | : 1952 |       |      |      |      |       |       |      |       |       |       |       |
|------|--------|-------|------|------|------|-------|-------|------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar. | Apr. | May  | Jun.  | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 33.3   | 117.3 | 31.6 | 60.4 | 5.3  | 20.0  | 100.4 | 45.4 | 18.5  | 49.8  | 268.0 | 101.3 |
| 2    | 41.9   | 98.6  | 30.0 | 40.1 | 5.1  | 17.8  | 67.5  | 43.7 | 17.0  | 43.7  | 202.9 | 81.7  |
| 3    | 39.3   | 83.5  | 27.5 | 30.8 | 6.0  | 16.3  | 56.9  | 40.1 | 41.9  | 41.0  | 220.5 | 58.6  |
| 4    | 32.5   | 71.0  | 24.5 | 26.0 | 5.3  | 14.0  | 48.1  | 41.9 | 199.6 | 39.3  | 373.0 | 50.7  |
| 5    | 29.2   | 75.5  | 21.5 | 20.8 | 5.1  | 20.0  | 42.8  | 42.8 | 328.1 | 35.7  | 391.2 | 55.1  |
| 6    | 40.1   | 56.9  | 20.0 | 17.8 | 4.4  | 30.0  | 38.4  | 38.4 | 304.7 | 34.9  | 332.0 | 64.8  |
| 7    | 42.8   | 57.8  | 17.8 | 16.3 | 4.2  | 42.8  | 34.9  | 34.9 | 503.0 | 35.7  | 235.9 | 56.0  |
| 8    | 57.8   | 47.2  | 15.5 | 14.8 | 4.0  | 31.6  | 30.8  | 37.5 | 471.0 | 48.9  | 191.9 | 40.1  |
| 9    | 70.2   | 41.9  | 14.8 | 14.0 | 4.4  | 29.2  | 29.2  | 34.9 | 332.0 | 75.5  | 151.4 | 39.3  |
| 10   | 43.7   | 35.7  | 14.0 | 16.3 | 4.5  | 34.9  | 27.5  | 34.1 | 169.3 | 96.8  | 137.8 | 40.1  |
| 11   | 32.5   | 31.6  | 14.0 | 17.8 | 4.7  | 32.5  | 26.0  | 33.3 | 119.9 | 70.2  | 122.6 | 39.3  |
| 12   | 44.5   | 29.2  | 16.3 | 18.5 | 4.5  | 26.8  | 25.3  | 30.8 | 103.9 | 62.2  | 111.0 | 62.2  |
| 13   | 38.4   | 26.8  | 18.5 | 19.3 | 4.5  | 23.8  | 27.5  | 29.2 | 88.8  | 100.4 | 96.8  | 71.0  |
| 14   | 32.5   | 24.5  | 17.0 | 18.5 | 4.4  | 29.2  | 320.3 | 27.5 | 76.4  | 406.6 | 78.1  | 63.1  |
| 15   | 30.0   | 22.3  | 15.5 | 18.5 | 4.4  | 45.4  | 259.0 | 27.5 | 74.6  | 494.0 | 67.5  | 54.2  |
| 16   | 28.4   | 22.3  | 14.0 | 17.0 | 4.2  | 49.8  | 150.5 | 27.5 | 81.7  | 389.8 | 68.4  | 44.5  |
| 17   | 26.0   | 28.4  | 17.0 | 16.3 | 4.2  | 167.4 | 99.5  | 29.2 | 95.0  | 218.3 | 66.6  | 37.5  |
| 18   | 26.8   | 27.5  | 18.5 | 14.0 | 4.0  | 222.7 | 78.1  | 30.0 | 100.4 | 185.6 | 65.7  | 45.4  |
| 19   | 25.3   | 39.3  | 20.0 | 12.5 | 3.8  | 124.4 | 72.8  | 29.2 | 141.4 | 458.4 | 79.0  | 43.7  |
| 20   | 23.8   | 38.4  | 23.0 | 11.8 | 3.8  | 75.5  | 68.4  | 28.4 | 154.2 | 409.4 | 132.4 | 41.0  |
| 21   | 21.5   | 41.9  | 32.5 | 11.1 | 4.0  | 56.0  | 61.3  | 27.5 | 114.6 | 276.4 | 98.6  | 35.7  |
| 22   | 18.5   | 39.3  | 29.2 | 9.6  | 4.2  | 42.8  | 196.3 | 26.0 | 95.9  | 189.8 | 74.6  | 31.6  |
| 23   | 23.8   | 33.3  | 29.2 | 9.6  | 4.9  | 37.5  | 124.4 | 25.3 | 80.8  | 142.3 | 66.6  | 28.4  |
| 24   | 95.9   | 30.0  | 23.8 | 8.9  | 9.6  | 33.3  | 108.4 | 24.5 | 72.8  | 114.6 | 56.0  | 26.8  |
| 25   | 249.1  | 26.0  | 20.0 | 8.2  | 14.8 | 31.6  | 81.7  | 23.8 | 64.0  | 106.6 | 51.6  | 24.5  |
| 26   | 242.5  | 50.7  | 18.5 | 7.4  | 17.8 | 29.2  | 68.4  | 23.8 | 56.0  | 105.7 | 49.8  | 25.3  |
| 27   | 125.3  | 41.0  | 14.8 | 6.7  | 16.3 | 26.0  | 57.8  | 23.8 | 52.5  | 125.3 | 48.1  | 26.0  |
| 28   | 90.6   | 34.9  | 13.3 | 6.7  | 27.5 | 24.5  | 50.7  | 23.0 | 50.7  | 195.2 | 49.8  | 25.3  |
| 29   | 68.4   | 32.5  | 12.5 | 6.0  | 70.2 | 112.8 | 44.5  | 22.3 | 48.9  | 387.0 | 98.6  | 23.8  |
| 30   | 76.4   |       | 15.5 | 5.3  | 50.7 | 175.3 | 41.0  | 21.5 | 52.5  | 302.1 | 118.2 | 34.9  |
| 31   | 114.6  |       | 40.1 |      | 32.5 |       | 41.0  | 20.0 |       | 276.4 |       | 90.6  |
| Mean | 60.2   | 45.0  | 20.7 | 16.7 | 11.1 | 54.1  | 80.0  | 30.6 | 137.0 | 178.0 | 136.8 | 47.2  |

# DAILY MEAN DISCHARGE AT RIO DO SUL (7/25)

| Year | : 1953 |       |       |      |      |      |      |       |       |       |       |       |
|------|--------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May  | Jun. | Jul. | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 94.1   | 76.4  | 35.7  | 21.5 | 14.8 | 48.1 | 10.3 | 17.0  | 66.6  | 44.5  | 770.0 | 57.8  |
| 2    | 79.9   | 69.3  | 32.5  | 21.5 | 14.8 | 38.4 | 9.6  | 15.5  | 50.7  | 42.8  | 644.6 | 52.5  |
| 3    | 51.6   | 60.4  | 36.6  | 20.8 | 14.0 | 29.2 | 10.3 | 14.0  | 37.5  | 48.9  | 457.0 | 47.2  |
| 4    | 48.9   | 54.2  | 79.9  | 23.0 | 14.0 | 25.3 | 14.8 | 13.3  | 31.6  | 47.2  | 294.3 | 57.8  |
| 5    | 71.0   | 44.5  | 57.8  | 24.5 | 13.3 | 20.8 | 20.8 | 12.5  | 26.8  | 62.2  | 182.4 | 154.2 |
| 6    | 69.3   | 39.3  | 71.9  | 29.2 | 13.3 | 20.0 | 18.5 | 12.5  | 23.0  | 51.6  | 142.3 | 165.5 |
| 7    | 97.7   | 31.6  | 78.1  | 38.4 | 13.3 | 19.3 | 14.8 | 12.5  | 23.0  | 48.1  | 111.0 | 149.6 |
| 8    | 131.5  | 33.3  | 75.5  | 44.5 | 12.5 | 17.8 | 13.3 | 11.8  | 22.3  | 40.1  | 95.9  | 170.3 |
| 9    | 113.7  | 60.4  | 82.6  | 41.9 | 12.5 | 17.8 | 13.3 | 11.1  | 24.5  | 34.1  | 82.6  | 132.4 |
| 10   | 83.5   | 65.7  | 105.7 | 30.8 | 13.3 | 17.8 | 16.3 | 11.1  | 34.9  | 34.9  | 76.4  | 82.6  |
| 11   | 65.7   | 102.1 | 87.9  | 26.0 | 14.0 | 17.8 | 14.8 | 10.3  | 34.1  | 29.2  | 67.5  | 62.2  |
| 12   | 56.0   | 173.3 | 87.9  | 22.3 | 15.5 | 17.0 | 14.0 | 9.6   | 28.4  | 27.5  | 95.9  | 72.8  |
| 13   | 63.1   | 269.2 | 86.1  | 21.5 | 17.0 | 16.3 | 14.0 | 9.6   | 23.8  | 35.7  | 218.3 | 77.2  |
| 14   | 58.6   | 302.1 | 71.0  | 20.8 | 17.8 | 14.8 | 12.5 | 9.6   | 23.0  | 71.0  | 275.2 | 79.0  |
| 15   | 51.6   | 249.1 | 54.2  | 20.8 | 17.0 | 13.3 | 10.3 | 9.6   | 91.5  | 57.8  | 255.7 | 79.9  |
| 16   | 65.7   | 190.8 | 47.2  | 26.0 | 16.3 | 13.3 | 9.6  | 8.2   | 240.3 | 60.4  | 212.8 | 80.8  |
| 17   | 54.2   | 127.1 | 42.8  | 41.9 | 17.8 | 13.3 | 9.6  | 8.2   | 149.6 | 138.7 | 157.9 | 79.9  |
| 18   | 49.8   | 117.3 | 40.1  | 34.9 | 17.8 | 12.5 | 9.6  | 8.2   | 113.7 | 171.3 | 117.3 | 89.7  |
| 19   | 76.4   | 87.0  | 36.6  | 29.2 | 17.8 | 12.5 | 11.1 | 8.2   | 76.4  | 142.3 | 98.6  | 77.2  |
| 20   | 56.0   | 76.4  | 34.9  | 26.0 | 17.0 | 12.5 | 28.4 | 11.1  | 65.7  | 121.7 | 87.9  | 62.2  |
| 21   | 48.9   | 62.2  | 33.3  | 24.5 | 17.0 | 12.5 | 21.5 | 17.0  | 59.5  | 97.7  | 78.1  | 56.9  |
| 22   | 48.1   | 55.1  | 44.5  | 22.3 | 17.0 | 12.5 | 25.3 | 24.5  | 50.7  | 82.6  | 69.3  | 47.2  |
| 23   | 42.8   | 53.3  | 45.4  | 21.5 | 17.8 | 11.8 | 62.2 | 20.8  | 43.7  | 319.0 | 64.0  | 41.9  |
| 24   | 37.5   | 63.1  | 40.1  | 20.8 | 17.8 | 11.8 | 97.7 | 17.8  | 78.1  | 249.1 | 56.9  | 35.7  |
| 25   | 48.9   | 68.4  | 37.5  | 19.3 | 24.5 | 11.8 | 55.1 | 20.0  | 106.6 | 163.6 | 49.8  | 34.1  |
| 26   | 71.0   | 56.9  | 32.5  | 17.0 | 51.6 | 11.8 | 35.7 | 18.5  | 95.9  | 137.8 | 46.3  | 32.5  |
| 27   | 57.8   | 45.4  | 28.4  | 16.3 | 44.5 | 11.1 | 28.4 | 20.8  | 91.5  | 113.7 | 43.7  | 33.3  |
| 28   | 49.8   | 41.0  | 26.8  | 16.3 | 42.8 | 11.1 | 24.5 | 30.8  | 80.8  | 132.4 | 40.1  | 33.3  |
| 29   | 46.3   |       | 25.3  | 16.3 | 41.9 | 11.1 | 20.8 | 45.4  | 59.5  | 300.8 | 38.4  | 30.0  |
| 30   | 46.3   |       | 23.8  | 15.5 | 39.3 | 11.1 | 20.0 | 119.9 | 49.8  | 374.4 | 56.9  | 27.5  |
| 31   | 71.0   |       | 22.3  |      | 46.3 |      | 19.3 | 106.6 |       | 678.5 |       | 26.8  |
| Mean | 64.7   | 95.5  | 51.8  | 25.2 | 21.4 | 17.1 | 22.1 | 21.5  | 63.4  | 127.7 | 166.2 | 71.9  |

| Year | : 1954 |       |       |       |       |       |       |       |       |        |       |      |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.   | Nov.  | Dec. |
| 1    | 25.3   | 50.7  | 180.3 | 81.7  | 50.7  | 46.3  | 97.7  | 120.8 | 39.8  | 167.4  | 128.0 | 19.3 |
| 2    | 23.0   | 47.2  | 160.7 | 201.8 | 42.8  | 44.5  | 121.7 | 109.3 | 38.5  | 141.4  | 111.0 | 19.3 |
| 3    | 26.0   | 43.7  | 119.9 | 248.0 | 44.5  | 43.7  | 300.8 | 96.8  | 36.0  | 138.7  | 95.9  | 19.3 |
| 4    | 32.5   | 41.9  | 108.4 | 198.5 | 42.8  | 42.8  | 381.4 | 88.8  | 34.9  | 149.6  | 80.8  | 20.8 |
| 5    | 28.4   | 32.5  | 144.1 | 119.1 | 43.7  | 41.0  | 465.4 | 79.9  | 33.8  | 149.6  | 79.0  | 20.0 |
| 6    | 24.5   | 29.2  | 140.5 | 84.3  | 41.9  | 52.5  | 333.3 | 70.2  | 46.4  | 190.8  | 78.1  | 18.5 |
| 7    | 25.3   | 30.8  | 128.8 | 57.8  | 37.5  | 48.9  | 216.1 | 62.2  | 71.8  | 187.6  | 74.6  | 17.8 |
| 8    | 24.5   | 32.5  | 160.7 | 55.1  | 30.8  | 43.7  | 176.3 | 61.3  | 56.3  | 178.3  | 72.8  | 17.8 |
| 9    | 22.3   | 30.8  | 359.0 | 53.3  | 27.5  | 41.0  | 157.0 | 60.4  | 50.3  | 160.7  | 71.9  | 17.0 |
| 10   | 20.8   | 28.4  | 270.4 | 50.7  | 81.7  | 84.3  | 136.0 | 59.5  | 144.7 | 184.5  | 71.9  | 20.8 |
| 11   | 45.4   | 27.5  | 212.8 | 47.2  | 325.5 | 135.1 | 120.8 | 58.6  | 256.4 | 172.3  | 70.2  | 17.0 |
| 12   | 82.6   | 26.8  | 156.0 | 44.5  | 234.8 | 141.4 | 106.6 | 58.6  | 208.9 | 162.6  | 64.8  | 17.0 |
| 13   | 89.7   | 26.8  | 119.9 | 53.3  | 229.3 | 160.7 | 165.5 | 57.8  | 309.3 | 156.0  | 58.6  | 20.0 |
| 14   | 82.6   | 24.5  | 108.4 | 56.0  | 215.0 | 319.0 | 150.5 | 57.8  | 270.0 | 150.5  | 53.3  | 20.8 |
| 15   | 103.9  | 23.0  | 112.8 | 50.7  | 179.3 | 220.5 | 207.3 | 56.0  | 192.4 | 144.1  | 53.3  | 20.0 |
| 16   | 165.5  | 29.2  | 102.1 | 45.4  | 137.8 | 272.8 | 354.0 | 52.5  | 148.6 | 137.8  | 52.5  | 20.0 |
| 17   | 181.3  | 40.1  | 81.7  | 43.7  | 361.8 | 332.0 | 459.3 | 50.7  | 122.2 | 174.3  | 47.2  | 19.3 |
| 18   | 160.7  | 50.7  | 64.0  | 40.1  | 614.0 | 341.1 | 353.4 | 48.9  | 107.8 | 663.3  | 40.1  | 27.5 |
| 19   | 145.9  | 42.8  | 54.2  | 36.6  | 531.0 | 312.5 | 218.3 | 47.2  | 186.2 | 466.8  | 38.4  | 68.4 |
| 20   | 119.1  | 33.3  | 49.8  | 34.1  | 440.2 | 286.5 | 210.6 | 46.3  | 254.2 | 373.0  | 33.3  | 51.6 |
| 21   | 95.9   | 26.8  | 45.4  | 32.5  | 260.2 | 212.8 | 195.2 | 44.5  | 225.9 | 1222.5 | 30.0  | 40.1 |
| 22   | 75.5   | 25.3  | 42.8  | 30.0  | 185.6 | 197.4 | 180.3 | 53.3  | 252.0 | 1835.0 | 29.2  | 30.0 |
| 23   | 64.0   | 37.5  | 41.9  | 26.8  | 145.0 | 180.3 | 165.5 | 47.2  | 283.7 | 1422.5 | 28.4  | 25.3 |
| 24   | 50.7   | 76.4  | 40.1  | 25.3  | 137.8 | 151.4 | 149.6 | 41.9  | 215.1 | 985.0  | 30.8  | 23.0 |
| 25   | 42.8   | 93.2  | 37.5  | 24.5  | 115.5 | 128.8 | 165.5 | 44.5  | 175.9 | 563.5  | 26.8  | 25.3 |
| 26   | 39.3   | 175.3 | 34.9  | 25.3  | 97.7  | 110.2 | 223.8 | 71.0  | 184.2 | 380.0  | 25.3  | 30.0 |
| 27   | 45.4   | 268.0 | 31.6  | 32.5  | 92.4  | 95.0  | 208.4 | 57.8  | 192.4 | 251.3  | 23.8  | 26.8 |
| 28   | 51.6   | 254.6 | 44.5  | 75.5  | 76.4  | 90.6  | 188.7 | 48.9  | 230.3 | 204.0  | 22.3  | 22.3 |
| 29   | 43.7   |       | 45.4  | 102.1 | 64.8  | 86.1  | 175.3 | 43.7  | 334.1 | 165.5  | 21.5  | 20.0 |
| 30   | 41.9   |       | 34.9  | 75.5  | 56.0  | 80.8  | 157.9 | 42.8  | 283.7 | 151.4  | 20.8  | 19.3 |
| 31   | 47.2   |       | 31.6  |       | 49.8  |       | 144.1 | 41.0  |       | 138.7  |       | 17.8 |
| Mean | 65.4   | 58.9  | 105.3 | 68.4  | 161.1 | 144.8 | 215.7 | 60.7  | 166.2 | 373.2  | 54.5  | 24.3 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (8/25)

| Year | : 1955 |      |       |       |       |       |       |       |       |       |       |       |
|------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb. | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 21.0   | 33.3 | 46.4  | 76.4  | 34.9  | 48.1  | 52.5  | 265.8 | 76.4  | 104.8 | 40.1  | 30.8  |
| 2    | 20.1   | 48.9 | 39.8  | 58.6  | 33.3  | 45.4  | 52.5  | 193.0 | 71.0  | 75.5  | 49.8  | 47.2  |
| 3    | 21.0   | 43.7 | 33.8  | 47.2  | 30.8  | 40.1  | 54.2  | 157.9 | 120.8 | 56.9  | 49.8  | 157.9 |
| 4    | 22.0   | 38.4 | 31.5  | 38.4  | 28.4  | 39.3  | 100.4 | 136.0 | 501.5 | 48.1  | 39.3  | 307.3 |
| 5    | 21.0   | 29.2 | 38.5  | 33.3  | 27.5  | 38.4  | 253.5 | 119.9 | 529.4 | 43.7  | 32.5  | 223.8 |
| 6    | 20.1   | 22.3 | 60.8  | 31.6  | 28.4  | 38.4  | 476.6 | 107.5 | 398.2 | 41.0  | 30.0  | 136.9 |
| 7    | 18.3   | 24.5 | 68.5  | 31.6  | 26.8  | 34.9  | 853.1 | 99.5  | 265.8 | 39.3  | 28.4  | 119.9 |
| 8    | 19.2   | 20.8 | 62.2  | 31.6  | 25.3  | 34.9  | 518.2 | 94.1  | 197.4 | 37.5  | 26.8  | 105.7 |
| 9    | 32.6   | 20.0 | 50.3  | 28.4  | 24.5  | 34.9  | 382.8 | 92.4  | 162.6 | 37.5  | 29.2  | 87.0  |
| 10   | 45.1   | 28.4 | 43.8  | 63.1  | 23.8  | 33.3  | 437.4 | 146.8 | 138.7 | 39.3  | 30.8  | 69.3  |
| 11   | 47.7   | 45.4 | 39.8  | 64.0  | 22.3  | 31.6  | 553.6 | 134.2 | 121.7 | 41.0  | 27.5  | 60.4  |
| 12   | 34.9   | 57.8 | 42.4  | 45.4  | 23.0  | 53.3  | 464.0 | 112.8 | 109.3 | 44.5  | 25.3  | 66.6  |
| 13   | 31.5   | 62.2 | 36.0  | 33.3  | 22.3  | 100.4 | 321.6 | 99.5  | 97.7  | 96.8  | 23.8  | 64.0  |
| 14   | 51.8   | 50.7 | 31.5  | 29.2  | 20.8  | 167.4 | 232.6 | 90.6  | 92.4  | 82.6  | 23.0  | 50.7  |
| 15   | 38.5   | 38.4 | 28.0  | 47.2  | 20.0  | 119.1 | 184.5 | 86.1  | 86.1  | 61.3  | 24.5  | 41.9  |
| 16   | 33.8   | 31.6 | 24.8  | 111.9 | 21.5  | 112.8 | 156.0 | 81.7  | 80.8  | 44.5  | 23.0  | 36.6  |
| 17   | 36.0   | 48.1 | 28.0  | 88.8  | 23.0  | 208.4 | 136.0 | 76.4  | 77.2  | 41.9  | 24.5  | 35.7  |
| 18   | 53.3   | 40.1 | 26.9  | 61.3  | 179.3 | 357.6 | 119.1 | 71.0  | 71.9  | 41.0  | 28.4  | 34.1  |
| 19   | 41.1   | 34.9 | 24.8  | 88.8  | 704.0 | 269.2 | 108.4 | 68.4  | 71.0  | 40.1  | 26.8  | 31.6  |
| 20   | 32.6   | 36.6 | 22.0  | 129.7 | 698.0 | 187.6 | 108.4 | 64.0  | 65.7  | 35.7  | 29.2  | 28.4  |
| 21   | 29.2   | 41.0 | 19.2  | 146.8 | 523.0 | 137.8 | 95.9  | 61.3  | 61.3  | 39.3  | 38.4  | 26.8  |
| 22   | 25.7   | 70.2 | 19.2  | 129.7 | 299.5 | 119.1 | 87.0  | 63.1  | 56.9  | 44.5  | 79.0  | 25.3  |
| 23   | 22.0   | 97.7 | 19.2  | 98.6  | 170.3 | 112.8 | 79.9  | 69.3  | 53.3  | 39.3  | 111.0 | 24.5  |
| 24   | 20.1   | 91.5 | 20.1  | 79.9  | 126.2 | 100.4 | 71.9  | 65.7  | 51.6  | 34.1  | 85.2  | 23.8  |
| 25   | 18.3   | 54.2 | 23.9  | 63.1  | 95.0  | 87.0  | 67.5  | 67.5  | 53.3  | 31.6  | 64.8  | 23.0  |
| 26   | 15.7   | 47.2 | 24.8  | 56.0  | 84.3  | 77.2  | 64.0  | 76.4  | 54.2  | 30.0  | 53.3  | 44.5  |
| 27   | 14.9   | 52.5 | 85.2  | 52.5  | 73.7  | 71.0  | 60.4  | 94.1  | 48.9  | 28.4  | 40.1  | 59.5  |
| 28   | 14.9   | 57.8 | 173.9 | 51.6  | 65.7  | 64.8  | 130.6 | 107.5 | 44.5  | 42.8  | 36.6  | 41.9  |
| 29   | 14.2   |      | 138.9 | 51.6  | 58.6  | 61.3  | 320.3 | 105.7 | 48.1  | 46.3  | 31.6  | 32.5  |
| 30   | 18.3   |      | 131.3 | 45.4  | 54.2  | 57.8  | 534.2 | 92.4  | 46.3  | 37.5  | 30.0  | 35.7  |
| 31   | 29.2   |      | 97.2  |       | 51.6  |       | 388.4 | 82.6  |       | 34.9  |       | 43.7  |
| Mean | 27.9   | 45.3 | 49.4  | 63.8  | 116.8 | 96.1  | 240.8 | 102.7 | 128.5 | 47.2  | 39.4  | 68.3  |

| Year | : 1956 |       |       |       |       |       |       |       |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 36.6   | 296.9 | 64.8  | 96.8  | 73.7  | 44.5  | 46.3  | 102.1 | 47.2  | 153.3 | 156.0 | 26.0  |
| 2    | 29.2   | 330.7 | 54.2  | 86.1  | 71.0  | 43.7  | 44.5  | 122.6 | 43.7  | 129.7 | 129.7 | 23.8  |
| 3    | 25.3   | 312.5 | 48.1  | 71.0  | 72.8  | 41.0  | 42.8  | 108.4 | 41.9  | 121.7 | 109.3 | 24.5  |
| 4    | 23.0   | 218.3 | 39.3  | 59.5  | 65.7  | 40.1  | 45.4  | 144.1 | 39.3  | 111.0 | 95.9  | 24.5  |
| 5    | 24.5   | 177.3 | 38.4  | 182.4 | 102.1 | 38.4  | 101.3 | 113.7 | 40.1  | 102.1 | 104.8 | 53.3  |
| 6    | 35.7   | 132.4 | 41.0  | 220.5 | 242.5 | 40.1  | 90.6  | 96.8  | 48.1  | 93.2  | 99.5  | 179.3 |
| 7    | 30.8   | 111.0 | 35.7  | 148.7 | 205.1 | 35.7  | 71.0  | 79.9  | 83.5  | 86.1  | 86.1  | 152.3 |
| 8    | 30.8   | 102.1 | 33.3  | 117.3 | 245.8 | 33.3  | 61.3  | 73.7  | 71.9  | 79.9  | 76.4  | 74.6  |
| 9    | 47.2   | 151.4 | 31.6  | 95.9  | 290.4 | 31.6  | 54.2  | 66.6  | 55.1  | 139.6 | 69.3  | 51.6  |
| 10   | 53.3   | 177.3 | 30.8  | 99.5  | 302.1 | 32.5  | 49.8  | 71.0  | 60.4  | 178.3 | 62.2  | 41.9  |
| 11   | 40.1   | 135.1 | 30.0  | 239.2 | 260.2 | 34.1  | 47.2  | 60.4  | 60.4  | 170.3 | 56.0  | 36.6  |
| 12   | 30.8   | 126.2 | 30.0  | 201.8 | 196.3 | 34.9  | 44.5  | 58.6  | 56.9  | 136.9 | 53.3  | 33.3  |
| 13   | 27.5   | 122.6 | 34.9  | 136.9 | 157.0 | 33.3  | 41.9  | 55.1  | 52.5  | 113.7 | 50.7  | 38.4  |
| 14   | 25.3   | 150.5 | 51.6  | 108.4 | 132.4 | 32.5  | 42.8  | 49.8  | 56.0  | 98.6  | 48.1  | 48.9  |
| 15   | 26.8   | 157.0 | 58.6  | 87.9  | 113.7 | 65.7  | 56.9  | 48.9  | 78.1  | 87.9  | 45.4  | 47.2  |
| 16   | 36.6   | 141.4 | 47.2  | 86.1  | 99.5  | 124.4 | 56.9  | 44.5  | 209.5 | 80.8  | 42.8  | 45.4  |
| 17   | 41.0   | 110.2 | 37.5  | 69.3  | 88.8  | 95.9  | 47.2  | 41.9  | 207.3 | 80.8  | 39.3  | 35.7  |
| 18   | 39.3   | 88.8  | 52.5  | 63.1  | 80.8  | 74.6  | 43.7  | 40.1  | 217.2 | 81.7  | 36.6  | 31.6  |
| 19   | 77.2   | 75.5  | 64.8  | 60.4  | 72.8  | 58.6  | 41.9  | 38.4  | 523.0 | 73.7  | 35.7  | 30.0  |
| 20   | 128.8  | 72.8  | 58.6  | 56.9  | 65.7  | 50.7  | 40.1  | 95.0  | 531.0 | 64.8  | 38.4  | 29.2  |
| 21   | 100.4  | 64.8  | 44.5  | 56.0  | 71.9  | 45.4  | 36.6  | 171.3 | 483.6 | 64.8  | 38.4  | 45.4  |
| 22   | 139.6  | 57.8  | 36.6  | 52.5  | 97.7  | 41.9  | 34.9  | 143.2 | 375.8 | 102.1 | 35.7  | 69.3  |
| 23   | 238.1  | 65.7  | 47.2  | 53.3  | 74.6  | 41.0  | 34.9  | 128.8 | 256.8 | 127.1 | 34.1  | 87.9  |
| 24   | 466.8  | 87.0  | 51.6  | 54.2  | 63.1  | 58.6  | 34.9  | 119.9 | 485.0 | 268.0 | 32.5  | 77.2  |
| 25   | 313.8  | 86.1  | 44.5  | 51.6  | 57.8  | 80.8  | 34.9  | 95.9  | 509.0 | 249.1 | 29.2  | 61.3  |
| 26   | 234.8  | 74.6  | 41.9  | 45.4  | 55.1  | 88.8  | 32.5  | 80.8  | 568.4 | 171.3 | 33.3  | 41.0  |
| 27   | 204.0  | 92.4  | 44.5  | 51.6  | 52.5  | 64.0  | 30.0  | 71.0  | 468.2 | 132.4 | 39.3  | 34.1  |
| 28   | 278.8  | 88.8  | 52.5  | 172.3 | 48.9  | 59.5  | 35.7  | 64.0  | 334.6 | 128.0 | 35.7  | 30.8  |
| 29   | 349.2  | 71.9  | 79.9  | 140.5 | 46.3  | 53.3  | 42.8  | 58.6  | 238.1 | 124.4 | 30.8  | 27.5  |
| 30   | 403.8  |       | 139.6 | 97.7  | 45.4  | 48.9  | 36.6  | 54.2  | 178.3 | 125.3 | 27.5  | 25.3  |
| 31   | 328.1  |       | 110.2 |       | 44.5  |       | 62.2  | 50.7  |       | 147.8 |       | 23.8  |
| Mean | 124.7  | 133.8 | 50.8  | 102.1 | 116.0 | 52.3  | 47.9  | 82.3  | 214.0 | 123.4 | 59.1  | 50.1  |

# DAILY MEAN DISCHARGE AT RIO DO SUL (9/25)

| Year | : 1957 |       |       |       |       |       |       |        |       |       |       |      |
|------|--------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec. |
| 1    | 23.0   | 43.7  | 23.0  | 48.9  | 159.8 | 30.0  | 173.3 | 1007.5 | 145.9 | 153.3 | 111.0 | 47.2 |
| 2    | 23.0   | 73.7  | 20.8  | 40.1  | 117.3 | 30.8  | 326.8 | 1260.0 | 122.6 | 137.8 | 107.5 | 62.2 |
| 3    | 23.0   | 98.6  | 23.8  | 36.6  | 92.4  | 30.0  | 263.5 | 995.0  | 170.3 | 129.7 | 139.6 | 60.4 |
| 4    | 23.0   | 106.6 | 26.8  | 51.6  | 75.5  | 35.7  | 184.5 | 749.0  | 688.0 | 119.1 | 110.2 | 48.9 |
| 5    | 21.5   | 96.8  | 32.5  | 52.5  | 66.6  | 28.4  | 134.2 | 539.0  | 646.4 | 109.3 | 93.2  | 42.8 |
| 6    | 20.0   | 85.2  | 35.7  | 50.7  | 61.3  | 30.8  | 111.9 | 354.8  | 465.4 | 101.3 | 83.5  | 47.2 |
| 7    | 24.5   | 71.9  | 33.3  | 50.7  | 74.6  | 85.2  | 114.6 | 213.9  | 464.0 | 94.1  | 76.4  | 64.0 |
| 8    | 34.9   | 100.4 | 29.2  | 45.4  | 104.8 | 104.8 | 112.8 | 172.3  | 846.2 | 88.8  | 83.5  | 63.1 |
| 9    | 69.3   | 73.7  | 43.7  | 44.5  | 109.3 | 70.2  | 96.8  | 155.1  | 696.0 | 83.5  | 87.0  | 61.3 |
| 10   | 55.1   | 53.3  | 61.3  | 64.8  | 85.2  | 48.1  | 84.3  | 149.6  | 398.2 | 78.1  | 104.8 | 58.6 |
| 11   | 40.1   | 44.5  | 100.4 | 52.5  | 86.1  | 40.1  | 74.6  | 375.8  | 304.7 | 77.2  | 95.9  | 48.1 |
| 12   | 38.4   | 38.4  | 109.3 | 41.0  | 84.3  | 36.6  | 66.6  | 669.0  | 249.1 | 79.9  | 79.9  | 40.1 |
| 13   | 33.3   | 33.3  | 77.2  | 34.9  | 92.4  | 35.7  | 65.7  | 451.4  | 201.8 | 78.1  | 74.6  | 40.1 |
| 14   | 45.4   | 32.5  | 53.3  | 30.0  | 86.1  | 35.7  | 57.8  | 500.0  | 180.3 | 73.7  | 79.9  | 62.2 |
| 15   | 90.6   | 62.2  | 55.1  | 39.3  | 78.1  | 34.1  | 55.1  | 352.0  | 436.0 | 67.5  | 92.4  | 51.6 |
| 16   | 125.3  | 75.5  | 50.7  | 50.7  | 68.4  | 31.6  | 66.6  | 320.3  | 730.1 | 64.8  | 79.9  | 41.0 |
| 17   | 81.7   | 48.9  | 36.6  | 40.1  | 61.3  | 31.6  | 87.0  | 843.9  | 610.6 | 93.2  | 76.4  | 48.1 |
| 18   | 61.3   | 37.5  | 31.6  | 31.6  | 56.0  | 30.8  | 87.0  | 1390.0 | 473.8 | 93.2  | 82.6  | 41.9 |
| 19   | 57.8   | 32.5  | 28.4  | 28.4  | 49.8  | 29.2  | 108.4 | 1457.5 | 378.6 | 90.6  | 87.9  | 45.4 |
| 20   | 59.5   | 30.8  | 78.1  | 31.6  | 45.4  | 27.5  | 433.2 | 1255.0 | 337.2 | 112.8 | 89.7  | 41.9 |
| 21   | 48.9   | 27.5  | 154.2 | 31.6  | 42.8  | 26.8  | 751.1 | 1065.0 | 357.6 | 213.9 | 79.9  | 40.1 |
| 22   | 46.3   | 24.5  | 136.0 | 30.0  | 40.1  | 24.5  | 600.4 | 811.8  | 497.0 | 437.4 | 77.2  | 34.9 |
| 23   | 71.0   | 24.5  | 130.6 | 27.5  | 38.4  | 23.8  | 415.0 | 556.9  | 650.0 | 820.9 | 69.3  | 31.6 |
| 24   | 88.8   | 30.0  | 187.6 | 26.8  | 35.7  | 23.8  | 245.8 | 313.8  | 661.4 | 524.6 | 59.5  | 28.4 |
| 25   | 91.5   | 26.0  | 154.2 | 29.2  | 34.1  | 23.8  | 195.2 | 245.8  | 548.6 | 335.9 | 56.9  | 26.8 |
| 26   | 89.7   | 23.0  | 98.6  | 176.3 | 31.6  | 23.8  | 163.6 | 198.5  | 399.6 | 245.8 | 50.7  | 24.5 |
| 27   | 70.2   | 23.0  | 70.2  | 368.8 | 31.6  | 42.8  | 131.5 | 177.3  | 290.4 | 183.4 | 44.5  | 26.8 |
| 28   | 64.8   | 26.0  | 56.0  | 268.0 | 31.6  | 88.8  | 114.6 | 163.6  | 237.0 | 155.1 | 43.7  | 31.6 |
| 29   | 59.5   |       | 46.3  | 157.9 | 34.1  | 134.2 | 109.3 | 137.8  | 200.7 | 136.0 | 41.0  | 28.4 |
| 30   | 46.3   |       | 39.3  | 150.5 | 36.6  | 196.3 | 162.6 | 145.9  | 172.3 | 123.5 | 40.1  | 34.1 |
| 31   | 40.1   |       | 50.7  |       | 32.5  |       | 624.8 | 180.3  |       | 113.7 |       | 38.4 |
| Mean | 53.8   | 51.6  | 66.9  | 71.1  | 65.9  | 47.8  | 200.6 | 555.1  | 418.7 | 168.3 | 80.0  | 43.9 |

| Year | : 1958 |       |       |      |       |       |       |       |       |       |       |       |
|------|--------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 42.8   | 23.0  | 102.1 | 93.2 | 25.3  | 34.1  | 39.3  | 66.6  | 75.5  | 98.6  | 114.6 | 87.0  |
| 2    | 40.1   | 20.8  | 102.1 | 98.6 | 27.5  | 30.0  | 38.4  | 57.8  | 66.6  | 93.2  | 75.5  | 96.8  |
| 3    | 34.9   | 19.3  | 83.5  | 66.6 | 32.5  | 27.5  | 37.5  | 50.7  | 62.2  | 88.8  | 65.7  | 119.9 |
| 4    | 31.6   | 17.8  | 80.8  | 56.0 | 30.8  | 25.3  | 38.4  | 46.3  | 57.8  | 97.7  | 59.5  | 113.7 |
| 5    | 25.3   | 17.0  | 72.8  | 51.6 | 26.8  | 23.8  | 35.7  | 41.9  | 52.5  | 120.8 | 53.3  | 103.0 |
| 6    | 25.3   | 22.3  | 66.6  | 47.2 | 26.8  | 27.5  | 35.7  | 39.3  | 53.3  | 403.8 | 48.1  | 90.6  |
| 7    | 21.5   | 41.0  | 76.4  | 45.4 | 26.8  | 35.7  | 32.5  | 123.5 | 102.1 | 503.0 | 43.7  | 99.5  |
| 8    | 20.0   | 61.3  | 70.2  | 42.8 | 26.0  | 31.6  | 31.6  | 450.0 | 221.6 | 437.4 | 40.1  | 109.3 |
| 9    | 20.0   | 41.9  | 51.6  | 69.3 | 27.5  | 26.8  | 30.0  | 461.2 | 171.3 | 276.4 | 38.4  | 91.5  |
| 10   | 23.0   | 29.2  | 45.4  | 75.5 | 26.8  | 23.8  | 28.4  | 286.5 | 316.4 | 189.8 | 47.2  | 84.3  |
| 11   | 23.8   | 23.8  | 37.5  | 70.2 | 23.8  | 40.1  | 27.5  | 180.3 | 436.0 | 179.3 | 173.3 | 66.6  |
| 12   | 21.5   | 22.3  | 34.1  | 72.8 | 23.0  | 68.4  | 27.5  | 156.0 | 319.0 | 185.6 | 185.6 | 100.4 |
| 13   | 20.0   | 19.3  | 32.5  | 64.0 | 20.8  | 139.6 | 26.8  | 130.6 | 238.1 | 160.7 | 138.7 | 81.7  |
| 14   | 51.6   | 17.0  | 195.2 | 56.9 | 23.8  | 326.8 | 22.3  | 110.2 | 298.2 | 133.3 | 106.6 | 110.2 |
| 15   | 43.7   | 18.5  | 445.8 | 48.9 | 22.3  | 230.4 | 20.8  | 95.0  | 464.0 | 114.6 | 86.1  | 157.0 |
| 16   | 41.0   | 20.0  | 506.0 | 42.8 | 20.8  | 150.5 | 60.4  | 83.5  | 495.5 | 97.7  | 128.8 | 145.0 |
| 17   | 88.8   | 24.5  | 568.4 | 39.3 | 19.3  | 179.3 | 81.7  | 75.5  | 398.2 | 97.7  | 547.0 | 133.3 |
| 18   | 103.0  | 20.0  | 670.9 | 37.5 | 18.5  | 164.5 | 72.8  | 66.6  | 259.0 | 102.1 | 283.9 | 183.4 |
| 19   | 81.7   | 49.8  | 672.8 | 35.7 | 17.8  | 131.5 | 52.5  | 62.2  | 180.3 | 87.9  | 181.3 | 170.3 |
| 20   | 56.0   | 94.1  | 580.0 | 35.7 | 17.8  | 106.6 | 41.9  | 57.8  | 144.1 | 76.4  | 238.1 | 162.6 |
| 21   | 53.3   | 209.5 | 433.2 | 34.1 | 18.5  | 91.5  | 37.5  | 54.2  | 121.7 | 69.3  | 190.8 | 165.5 |
| 22   | 44.5   | 190.8 | 248.0 | 34.1 | 23.8  | 79.9  | 34.9  | 48.9  | 109.3 | 63.1  | 157.9 | 156.0 |
| 23   | 34.9   | 160.7 | 165.5 | 31.6 | 23.8  | 71.0  | 31.6  | 45.4  | 102.1 | 70.2  | 125.3 | 142.3 |
| 24   | 31.6   | 100.4 | 168.4 | 30.0 | 20.0  | 63.1  | 30.8  | 43.7  | 135.1 | 132.4 | 128.8 | 119.9 |
| 25   | 39.3   | 79.9  | 144.1 | 27.5 | 21.5  | 58.6  | 28.4  | 42.8  | 240.3 | 103.9 | 153.3 | 99.5  |
| 26   | 48.9   | 137.8 | 116.4 | 27.5 | 31.6  | 54.2  | 30.8  | 41.0  | 306.0 | 128.8 | 139.6 | 87.9  |
| 27   | 35.7   | 125.3 | 96.8  | 27.5 | 38.4  | 50.7  | 38.4  | 39.3  | 213.9 | 151.4 | 128.0 | 80.8  |
| 28   | 29.2   | 113.7 | 84.3  | 27.5 | 58.6  | 47.2  | 79.9  | 48.9  | 150.5 | 111.0 | 109.3 | 72.8  |
| 29   | 30.0   |       | 77.2  | 26.8 | 107.5 | 44.5  | 131.5 | 148.7 | 125.3 | 89.7  | 95.9  | 65.7  |
| 30   | 25.3   |       | 71.0  | 26.0 | 59.5  | 42.8  | 115.5 | 145.9 | 111.0 | 78.1  | 87.9  | 58.6  |
| 31   | 26.8   |       | 66.6  |      | 43.7  |       | 83.5  | 100.4 |       | 158.8 |       | 65.7  |
| Mean | 39.2   | 61.5  | 198.9 | 48.1 | 30.1  | 80.9  | 46.0  | 109.7 | 200.9 | 151.7 | 132.4 | 110.3 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (10/25)

Year : 1959

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun. | Jul. | Aug.  | Sep.  | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|------|------|-------|-------|------|------|------|
| 1    | 64.8  | 30.0  | 110.2 | 23.0  | 78.1  | 43.7 | 32.5 | 38.4  | 87.0  | 86.1 | 23.8 | 23.0 |
| 2    | 74.6  | 39.3  | 81.7  | 21.5  | 66.6  | 41.0 | 30.8 | 88.8  | 375.8 | 76.4 | 23.8 | 41.9 |
| 3    | 64.8  | 35.7  | 65.7  | 22.3  | 105.7 | 38.4 | 28.4 | 71.0  | 366.0 | 69.3 | 23.8 | 32.5 |
| 4    | 75.5  | 31.6  | 57.8  | 61.3  | 84.3  | 34.9 | 27.5 | 44.5  | 334.6 | 69.3 | 24.5 | 31.6 |
| 5    | 111.9 | 36.6  | 50.7  | 69.3  | 69.3  | 34.1 | 30.8 | 34.9  | 450.0 | 63.1 | 23.8 | 25.3 |
| 6    | 93.2  | 40.1  | 45.4  | 115.5 | 51.6  | 38.4 | 44.5 | 31.6  | 281.3 | 53.3 | 27.5 | 20.0 |
| 7    | 79.9  | 44.5  | 48.9  | 75.5  | 52.5  | 36.6 | 38.4 | 32.5  | 193.0 | 55.1 | 37.5 | 18.5 |
| 8    | 87.9  | 63.1  | 43.7  | 71.0  | 47.2  | 32.5 | 32.5 | 31.6  | 144.1 | 53.3 | 31.6 | 29.2 |
| 9    | 84.3  | 147.8 | 39.3  | 60.4  | 43.7  | 30.8 | 31.6 | 27.5  | 116.4 | 48.9 | 26.8 | 85.2 |
| 10   | 64.8  | 145.0 | 35.7  | 45.4  | 41.0  | 29.2 | 30.8 | 24.5  | 119.1 | 44.5 | 25.3 | 57.8 |
| 11   | 56.0  | 111.0 | 32.5  | 39.3  | 42.8  | 27.5 | 28.4 | 23.0  | 100.4 | 46.3 | 34.9 | 34.9 |
| 12   | 56.9  | 97.7  | 30.8  | 34.9  | 40.1  | 26.8 | 27.5 | 26.0  | 177.3 | 66.6 | 41.0 | 26.0 |
| 13   | 54.2  | 76.4  | 35.7  | 32.5  | 34.9  | 26.0 | 26.0 | 48.9  | 209.5 | 97.7 | 40.1 | 23.0 |
| 14   | 51.6  | 75.5  | 39.3  | 29.2  | 32.5  | 26.0 | 25.3 | 111.9 | 162.6 | 91.5 | 34.9 | 17.8 |
| 15   | 45.4  | 101.3 | 36.6  | 28.4  | 30.8  | 26.0 | 24.5 | 184.5 | 138.7 | 75.5 | 28.4 | 16.3 |
| 16   | 41.0  | 87.0  | 30.0  | 26.8  | 30.8  | 24.5 | 24.5 | 119.9 | 129.7 | 71.0 | 24.5 | 16.3 |
| 17   | 49.8  | 79.0  | 51.6  | 24.5  | 30.0  | 23.8 | 23.8 | 82.6  | 118.2 | 56.0 | 22.3 | 19.3 |
| 18   | 66.6  | 66.6  | 92.4  | 22.3  | 43.7  | 23.8 | 23.0 | 63.1  | 100.4 | 48.9 | 23.0 | 23.8 |
| 19   | 51.6  | 58.6  | 68.4  | 20.8  | 69.3  | 23.0 | 22.3 | 52.5  | 85.2  | 46.3 | 23.0 | 22.3 |
| 20   | 41.9  | 78.1  | 43.7  | 21.5  | 60.4  | 23.0 | 23.0 | 45.4  | 80.8  | 49.8 | 20.8 | 19.3 |
| 21   | 35.7  | 124.4 | 34.9  | 40.1  | 93.2  | 22.3 | 23.0 | 41.9  | 87.0  | 62.2 | 19.3 | 38.4 |
| 22   | 35.7  | 198.5 | 31.6  | 84.3  | 243.6 | 29.2 | 24.5 | 39.3  | 79.9  | 50.7 | 18.5 | 49.8 |
| 23   | 58.6  | 221.6 | 34.9  | 90.6  | 186.6 | 57.8 | 22.3 | 35.7  | 72.8  | 42.8 | 16.3 | 34.9 |
| 24   | 68.4  | 177.3 | 47.2  | 67.5  | 124.4 | 70.2 | 20.8 | 34.1  | 75.5  | 38.4 | 16.3 | 30.8 |
| 25   | 52.5  | 177.3 | 45.4  | 49.8  | 92.4  | 82.6 | 20.0 | 31.6  | 71.0  | 33.3 | 17.0 | 26.8 |
| 26   | 40.1  | 166.5 | 38.4  | 307.3 | 75.5  | 63.1 | 18.5 | 30.8  | 136.0 | 31.6 | 17.0 | 20.0 |
| 27   | 34.9  | 150.5 | 32.5  | 438.8 | 65.7  | 48.1 | 18.5 | 28.4  | 174.3 | 31.6 | 16.3 | 16.3 |
| 28   | 32.5  | 132.4 | 28.4  | 212.8 | 58.6  | 40.1 | 18.5 | 27.5  | 169.3 | 33.3 | 14.8 | 15.5 |
| 29   | 32.5  |       | 27.5  | 132.4 | 54.2  | 36.6 | 18.5 | 34.9  | 129.7 | 31.6 | 13.3 | 14.0 |
| 30   | 29.2  |       | 24.5  | 97.7  | 48.9  | 34.1 | 20.8 | 62.2  | 103.0 | 28.4 | 14.8 | 12.5 |
| 31   | 31.6  |       | 23.8  |       | 45.4  |      | 23.8 | 93.2  |       | 26.0 |      | 18.5 |
| Mean | 57.0  | 99.8  | 45.5  | 78.9  | 69.2  | 36.5 | 26.0 | 53.0  | 162.3 | 54.2 | 24.2 | 27.8 |

Year : 1960

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May  | Jun. | Jul. | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|------|------|------|-------|-------|-------|-------|-------|
| 1    | 27.5  | 48.9  | 31.6  | 23.8  | 18.5 | 20.0 | 23.0 | 146.8 | 433.2 | 40.1  | 153.3 | 146.8 |
| 2    | 20.0  | 34.9  | 133.3 | 30.0  | 18.5 | 18.5 | 21.5 | 181.3 | 296.9 | 39.3  | 168.4 | 124.4 |
| 3    | 13.3  | 58.6  | 303.4 | 50.7  | 17.8 | 17.8 | 20.0 | 201.8 | 193.0 | 35.7  | 181.3 | 97.7  |
| 4    | 12.5  | 179.3 | 185.6 | 62.2  | 17.8 | 17.0 | 19.3 | 204.0 | 142.3 | 34.1  | 164.5 | 79.0  |
| 5    | 11.1  | 173.3 | 107.5 | 50.7  | 17.0 | 15.5 | 18.5 | 152.3 | 120.8 | 32.5  | 162.6 | 69.3  |
| 6    | 9.6   | 97.7  | 79.9  | 57.8  | 17.0 | 16.3 | 17.0 | 105.7 | 102.1 | 30.8  | 144.1 | 65.7  |
| 7    | 14.0  | 54.2  | 61.3  | 299.5 | 16.3 | 16.3 | 16.3 | 79.0  | 88.8  | 30.0  | 116.4 | 64.0  |
| 8    | 22.3  | 38.4  | 50.7  | 270.4 | 14.0 | 15.5 | 15.5 | 62.2  | 79.0  | 43.7  | 101.3 | 66.6  |
| 9    | 118.2 | 31.6  | 43.7  | 162.6 | 14.8 | 15.5 | 15.5 | 51.6  | 71.9  | 80.8  | 93.2  | 53.3  |
| 10   | 75.5  | 27.5  | 96.8  | 107.5 | 14.8 | 14.0 | 14.0 | 44.5  | 62.2  | 79.9  | 86.1  | 45.4  |
| 11   | 59.5  | 24.5  | 65.7  | 78.1  | 14.0 | 14.0 | 14.0 | 40.1  | 56.9  | 64.8  | 245.8 | 48.1  |
| 12   | 69.3  | 32.5  | 58.6  | 61.3  | 13.3 | 12.5 | 13.3 | 35.7  | 53.3  | 48.9  | 353.4 | 138.7 |
| 13   | 46.3  | 40.1  | 44.5  | 52.5  | 12.5 | 13.3 | 14.0 | 32.5  | 51.6  | 43.7  | 360.4 | 119.1 |
| 14   | 32.5  | 100.4 | 69.3  | 45.4  | 12.5 | 12.5 | 12.5 | 46.3  | 56.0  | 40.1  | 315.1 | 110.2 |
| 15   | 26.0  | 83.5  | 57.8  | 40.1  | 14.0 | 12.5 | 12.5 | 90.6  | 62.2  | 44.5  | 226.0 | 122.6 |
| 16   | 18.5  | 96.8  | 59.5  | 37.5  | 42.8 | 13.3 | 12.5 | 76.4  | 56.0  | 94.1  | 156.0 | 143.2 |
| 17   | 17.0  | 109.3 | 52.5  | 35.7  | 76.4 | 13.3 | 12.5 | 97.7  | 48.9  | 126.2 | 123.5 | 118.2 |
| 18   | 14.8  | 120.8 | 42.8  | 35.7  | 41.0 | 13.3 | 12.5 | 641.0 | 74.6  | 220.5 | 116.4 | 122.6 |
| 19   | 16.3  | 145.0 | 36.6  | 34.9  | 32.5 | 13.3 | 12.5 | 492.5 | 84.3  | 174.3 | 94.1  | 96.8  |
| 20   | 20.0  | 124.4 | 57.8  | 31.6  | 51.6 | 13.3 | 12.5 | 215.0 | 65.7  | 138.7 | 84.3  | 76.4  |
| 21   | 23.0  | 102.1 | 94.1  | 27.5  | 94.1 | 14.0 | 12.5 | 146.8 | 51.6  | 135.1 | 80.8  | 61.3  |
| 22   | 17.8  | 80.8  | 97.7  | 26.0  | 70.2 | 20.8 | 11.8 | 122.6 | 46.3  | 95.0  | 77.2  | 52.5  |
| 23   | 14.0  | 71.0  | 88.8  | 23.0  | 49.8 | 57.8 | 11.1 | 103.0 | 44.5  | 76.4  | 71.9  | 45.4  |
| 24   | 14.8  | 57.8  | 60.4  | 22.3  | 37.5 | 93.2 | 9.6  | 90.6  | 48.9  | 85.2  | 60.4  | 48.9  |
| 25   | 15.5  | 45.4  | 49.8  | 23.0  | 30.0 | 87.0 | 11.1 | 84.3  | 64.8  | 124.4 | 56.0  | 43.7  |
| 26   | 16.3  | 37.5  | 40.1  | 22.3  | 26.8 | 53.3 | 9.6  | 118.2 | 77.2  | 249.1 | 51.6  | 59.5  |
| 27   | 13.3  | 33.3  | 34.9  | 21.5  | 23.0 | 37.5 | 9.6  | 193.0 | 60.4  | 486.5 | 64.0  | 47.2  |
| 28   | 22.3  | 30.8  | 32.5  | 20.0  | 22.3 | 30.8 | 9.6  | 163.6 | 48.9  | 465.4 | 211.7 | 40.1  |
| 29   | 20.0  | 30.0  | 30.0  | 19.3  | 20.8 | 27.5 | 9.6  | 127.1 | 43.7  | 375.8 | 300.8 | 41.9  |
| 30   | 16.3  |       | 28.4  | 18.5  | 20.0 | 23.8 | 10.3 | 104.8 | 41.9  | 239.2 | 181.3 | 58.6  |
| 31   | 17.8  |       | 26.8  |       | 19.3 |      | 20.8 | 152.3 |       | 160.7 |       | 56.0  |
| Mean | 26.9  | 72.8  | 71.7  | 59.7  | 28.7 | 24.8 | 14.0 | 142.0 | 90.9  | 127.0 | 153.4 | 79.5  |

# DAILY MEAN DISCHARGE AT RIO DO SUL (11/25)

| Year | : 1961 |       |       |       |      |       |       |      |       |       |        |       |
|------|--------|-------|-------|-------|------|-------|-------|------|-------|-------|--------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun.  | Jul.  | Aug. | Sep.  | Oct.  | Nov.   | Dec.  |
| 1    | 48.9   | 36.6  | 153.3 | 57.8  | 37.5 | 23.0  | 29.2  | 21.5 | 20.0  | 641.0 | 1042.5 | 166.5 |
| 2    | 62.2   | 35.7  | 118.2 | 54.2  | 35.7 | 23.0  | 27.5  | 22.3 | 23.0  | 482.2 | 1190.0 | 380.0 |
| 3    | 50.7   | 35.7  | 89.7  | 73.7  | 34.9 | 23.0  | 27.5  | 23.0 | 24.5  | 308.6 | 1247.5 | 437.4 |
| 4    | 69.3   | 84.3  | 69.3  | 74.6  | 34.9 | 22.3  | 26.8  | 23.0 | 20.8  | 204.0 | 1077.5 | 337.2 |
| 5    | 100.4  | 221.6 | 60.4  | 70.2  | 45.4 | 22.3  | 26.0  | 22.3 | 18.5  | 144.1 | 1060.0 | 217.2 |
| 6    | 92.4   | 164.5 | 59.5  | 53.3  | 45.4 | 23.8  | 24.5  | 21.5 | 63.1  | 136.0 | 927.5  | 166.5 |
| 7    | 68.4   | 114.6 | 70.2  | 47.2  | 34.9 | 26.0  | 24.5  | 20.0 | 229.3 | 124.4 | 632.0  | 133.3 |
| 8    | 57.8   | 122.6 | 58.6  | 44.5  | 48.1 | 27.5  | 87.9  | 20.0 | 210.6 | 108.4 | 382.8  | 115.5 |
| 9    | 44.5   | 136.0 | 56.0  | 41.9  | 58.6 | 23.8  | 117.3 | 19.3 | 359.0 | 128.8 | 262.4  | 104.8 |
| 10   | 40.1   | 180.3 | 51.6  | 40.1  | 44.5 | 22.3  | 82.6  | 18.5 | 650.0 | 106.6 | 211.7  | 95.9  |
| 11   | 40.1   | 141.4 | 45.4  | 39.3  | 35.7 | 25.3  | 64.0  | 17.8 | 960.0 | 159.8 | 182.4  | 108.4 |
| 12   | 35.7   | 104.8 | 43.7  | 39.3  | 33.3 | 34.1  | 54.2  | 17.8 | 965.0 | 289.1 | 158.8  | 121.7 |
| 13   | 31.6   | 70.2  | 61.3  | 38.4  | 31.6 | 83.5  | 48.9  | 17.0 | 917.5 | 196.3 | 155.1  | 106.6 |
| 14   | 27.5   | 72.8  | 94.1  | 35.7  | 31.6 | 145.0 | 43.7  | 17.0 | 776.6 | 329.4 | 140.5  | 91.5  |
| 15   | 26.0   | 62.2  | 89.7  | 63.1  | 30.0 | 106.6 | 70.2  | 18.5 | 597.0 | 738.5 | 142.3  | 78.1  |
| 16   | 37.5   | 50.7  | 65.7  | 182.4 | 29.2 | 68.4  | 97.7  | 20.8 | 408.0 | 531.0 | 119.9  | 71.0  |
| 17   | 61.3   | 46.3  | 62.2  | 181.3 | 31.6 | 51.6  | 75.5  | 30.8 | 234.8 | 352.0 | 101.3  | 87.0  |
| 18   | 84.3   | 56.9  | 129.7 | 140.5 | 40.1 | 43.7  | 63.1  | 41.0 | 175.3 | 268.0 | 90.6   | 92.4  |
| 19   | 111.0  | 69.3  | 231.5 | 145.9 | 68.4 | 39.3  | 53.3  | 29.2 | 164.5 | 204.0 | 83.5   | 71.9  |
| 20   | 150.5  | 102.1 | 387.0 | 117.3 | 56.9 | 45.4  | 49.8  | 19.3 | 157.0 | 167.4 | 81.7   | 62.2  |
| 21   | 146.8  | 148.7 | 696.0 | 90.6  | 41.0 | 51.6  | 43.7  | 22.3 | 160.7 | 233.7 | 87.9   | 90.6  |
| 22   | 99.5   | 142.3 | 540.6 | 75.5  | 35.7 | 63.1  | 41.0  | 23.0 | 149.6 | 332.0 | 96.8   | 165.5 |
| 23   | 86.1   | 151.4 | 366.0 | 69.3  | 34.1 | 53.3  | 36.6  | 20.0 | 155.1 | 283.9 | 184.5  | 252.4 |
| 24   | 69.3   | 154.2 | 230.4 | 64.8  | 31.6 | 44.5  | 33.3  | 18.5 | 153.3 | 189.8 | 146.8  | 183.4 |
| 25   | 54.2   | 137.8 | 157.9 | 55.1  | 29.2 | 40.1  | 31.6  | 17.0 | 286.5 | 422.0 | 102.1  | 145.0 |
| 26   | 48.1   | 130.6 | 133.3 | 56.9  | 29.2 | 37.5  | 30.8  | 17.0 | 373.0 | 848.5 | 91.5   | 110.2 |
| 27   | 62.2   | 220.5 | 111.0 | 56.9  | 27.5 | 35.7  | 30.0  | 15.5 | 320.3 | 571.8 | 109.3  | 100.4 |
| 28   | 53.3   | 163.6 | 89.7  | 51.6  | 26.8 | 34.1  | 27.5  | 15.5 | 299.5 | 366.0 | 138.7  | 95.9  |
| 29   | 44.5   |       | 78.1  | 44.5  | 26.0 | 32.5  | 23.8  | 14.0 | 688.0 | 264.6 | 166.5  | 93.2  |
| 30   | 43.7   |       | 71.9  | 40.1  | 26.0 | 30.8  | 23.0  | 16.3 | 749.0 | 208.4 | 126.2  | 157.0 |
| 31   | 42.8   |       | 65.7  |       | 24.5 |       | 22.3  | 19.3 |       | 286.5 |        | 158.8 |
| Mean | 64.2   | 112.8 | 146.4 | 71.5  | 36.8 | 43.4  | 46.4  | 20.6 | 343.6 | 310.5 | 351.3  | 148.3 |

| Year | : 1962 |       |       |      |       |       |       |      |       |       |       |       |
|------|--------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May   | Jun.  | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 108.4  | 45.4  | 41.9  | 45.4 | 26.8  | 60.4  | 28.4  | 74.6 | 27.5  | 100.4 | 106.6 | 103.9 |
| 2    | 86.1   | 47.2  | 71.9  | 38.4 | 60.4  | 73.7  | 27.5  | 70.2 | 26.0  | 123.5 | 113.7 | 71.9  |
| 3    | 83.5   | 48.9  | 81.7  | 38.4 | 59.5  | 121.7 | 26.0  | 64.0 | 23.8  | 129.7 | 95.9  | 54.2  |
| 4    | 73.7   | 127.1 | 67.5  | 35.7 | 44.5  | 100.4 | 26.0  | 58.6 | 20.0  | 115.5 | 79.9  | 127.1 |
| 5    | 62.2   | 189.8 | 56.9  | 34.1 | 34.9  | 79.9  | 26.8  | 50.7 | 18.5  | 154.2 | 109.3 | 99.5  |
| 6    | 56.9   | 102.1 | 78.1  | 32.5 | 30.8  | 71.0  | 26.0  | 48.1 | 17.0  | 151.4 | 200.7 | 82.6  |
| 7    | 52.5   | 79.9  | 62.2  | 32.5 | 27.5  | 63.1  | 23.8  | 44.5 | 17.0  | 102.1 | 157.9 | 70.2  |
| 8    | 60.4   | 64.0  | 56.9  | 57.8 | 24.5  | 58.6  | 23.8  | 42.8 | 16.3  | 87.0  | 149.6 | 63.1  |
| 9    | 60.4   | 62.2  | 42.8  | 66.6 | 23.0  | 53.3  | 42.8  | 41.0 | 39.3  | 78.1  | 138.7 | 56.0  |
| 10   | 57.8   | 47.2  | 38.4  | 56.0 | 22.3  | 57.8  | 137.8 | 40.1 | 59.5  | 69.3  | 104.8 | 52.5  |
| 11   | 72.8   | 40.1  | 43.7  | 42.8 | 26.0  | 54.2  | 152.3 | 41.0 | 80.8  | 96.8  | 76.4  | 44.5  |
| 12   | 63.1   | 51.6  | 53.3  | 35.7 | 26.0  | 46.3  | 94.1  | 36.6 | 67.5  | 103.0 | 71.9  | 42.8  |
| 13   | 53.3   | 76.4  | 51.6  | 34.1 | 25.3  | 43.7  | 66.6  | 34.1 | 57.8  | 87.0  | 66.6  | 39.3  |
| 14   | 66.6   | 76.4  | 40.1  | 27.5 | 23.8  | 41.0  | 56.9  | 32.5 | 51.6  | 71.9  | 58.6  | 31.6  |
| 15   | 126.2  | 59.5  | 39.3  | 27.5 | 20.0  | 39.3  | 46.3  | 31.6 | 49.8  | 69.3  | 54.2  | 30.0  |
| 16   | 114.6  | 48.1  | 68.4  | 31.6 | 20.0  | 38.4  | 56.0  | 30.8 | 49.8  | 69.3  | 52.5  | 29.2  |
| 17   | 76.4   | 70.2  | 166.5 | 38.4 | 20.0  | 35.7  | 165.5 | 30.8 | 46.3  | 73.7  | 51.6  | 30.8  |
| 18   | 60.4   | 59.5  | 136.0 | 35.7 | 20.8  | 35.7  | 167.4 | 30.0 | 47.2  | 79.0  | 51.6  | 40.1  |
| 19   | 53.3   | 54.2  | 124.4 | 30.8 | 27.5  | 35.7  | 105.7 | 29.2 | 274.0 | 97.7  | 51.6  | 41.0  |
| 20   | 48.9   | 41.9  | 227.1 | 27.5 | 42.8  | 39.3  | 85.2  | 27.5 | 860.0 | 115.5 | 76.4  | 35.7  |
| 21   | 44.5   | 38.4  | 187.6 | 23.8 | 219.4 | 41.0  | 76.4  | 27.5 | 678.5 | 141.4 | 72.8  | 32.5  |
| 22   | 41.0   | 38.4  | 140.5 | 26.0 | 641.0 | 43.7  | 62.2  | 34.9 | 471.0 | 112.8 | 64.0  | 26.0  |
| 23   | 39.3   | 40.1  | 97.7  | 23.8 | 398.2 | 48.9  | 58.6  | 42.8 | 298.2 | 104.8 | 51.6  | 23.0  |
| 24   | 41.0   | 52.5  | 78.1  | 27.5 | 184.5 | 48.1  | 56.0  | 34.9 | 205.1 | 84.3  | 42.8  | 21.5  |
| 25   | 41.0   | 68.4  | 79.0  | 30.8 | 108.4 | 39.3  | 51.6  | 30.0 | 179.3 | 71.9  | 36.6  | 20.0  |
| 26   | 98.6   | 44.5  | 70.2  | 31.6 | 91.5  | 35.7  | 73.7  | 26.8 | 139.6 | 67.5  | 31.6  | 23.0  |
| 27   | 84.3   | 36.6  | 51.6  | 34.9 | 82.6  | 34.1  | 74.6  | 26.0 | 103.0 | 63.1  | 31.6  | 26.8  |
| 28   | 58.6   | 32.5  | 50.7  | 27.5 | 101.3 | 31.6  | 101.3 | 25.3 | 93.2  | 95.0  | 28.4  | 26.0  |
| 29   | 48.1   |       | 48.1  | 26.8 | 88.8  | 31.6  | 89.7  | 24.5 | 84.3  | 105.7 | 37.5  | 25.3  |
| 30   | 49.8   |       | 45.4  | 26.8 | 72.8  | 30.0  | 86.1  | 27.5 | 80.8  | 87.9  | 82.6  | 23.8  |
| 31   | 60.4   |       | 57.8  |      | 63.1  |       | 79.9  | 30.0 |       | 103.0 |       | 21.5  |
| Mean | 65.9   | 62.3  | 79.2  | 34.9 | 85.7  | 51.1  | 70.8  | 38.4 | 139.4 | 97.2  | 78.3  | 45.7  |



# DAILY MEAN DISCHARGE AT RIO DO SUL (12/25)

| Year | : 1963 |       |       |       |      |      |      |      |        |       |       |       |
|------|--------|-------|-------|-------|------|------|------|------|--------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun. | Jul. | Aug. | Sep.   | Oct.  | Nov.  | Dec.  |
| 1    | 21.0   | 860.2 | 274.6 | 178.0 | 36.6 | 21.0 | 14.9 | 17.3 | 18.5   | 598.8 | 102.5 | 107.5 |
| 2    | 21.0   | 687.8 | 225.9 | 154.4 | 35.7 | 21.0 | 14.9 | 17.3 | 18.5   | 451.6 | 146.7 | 100.4 |
| 3    | 19.2   | 601.6 | 190.4 | 131.3 | 36.6 | 21.0 | 14.9 | 16.4 | 17.0   | 304.3 | 118.5 | 75.5  |
| 4    | 16.4   | 607.2 | 150.6 | 116.7 | 35.7 | 20.1 | 14.9 | 15.7 | 17.0   | 292.9 | 107.8 | 61.3  |
| 5    | 15.7   | 546.8 | 124.0 | 113.1 | 38.4 | 20.1 | 14.9 | 15.7 | 15.5   | 386.2 | 99.0  | 100.4 |
| 6    | 18.3   | 482.5 | 93.8  | 107.8 | 35.7 | 19.2 | 14.9 | 14.9 | 13.3   | 584.9 | 92.1  | 81.7  |
| 7    | 23.9   | 388.7 | 75.2  | 99.0  | 34.1 | 19.2 | 14.9 | 15.7 | 14.0   | 428.4 | 88.7  | 69.3  |
| 8    | 25.7   | 260.8 | 65.2  | 90.4  | 32.5 | 17.3 | 14.9 | 15.7 | 14.8   | 334.1 | 146.7 | 66.6  |
| 9    | 21.0   | 186.2 | 81.8  | 83.5  | 32.5 | 17.3 | 15.7 | 14.9 | 16.3   | 234.6 | 334.1 | 66.6  |
| 10   | 31.5   | 142.8 | 95.5  | 76.8  | 31.6 | 16.4 | 15.7 | 14.9 | 17.8   | 180.1 | 792.0 | 74.6  |
| 11   | 85.2   | 116.7 | 140.8 | 70.2  | 30.8 | 16.4 | 15.7 | 14.9 | 20.0   | 208.9 | 629.4 | 95.9  |
| 12   | 142.8  | 104.3 | 133.2 | 65.2  | 30.0 | 16.4 | 14.9 | 14.9 | 23.8   | 219.4 | 411.0 | 111.9 |
| 13   | 166.1  | 90.4  | 113.1 | 62.2  | 29.2 | 17.3 | 14.9 | 14.9 | 25.3   | 213.0 | 346.5 | 96.8  |
| 14   | 144.7  | 83.5  | 106.1 | 54.8  | 28.4 | 19.2 | 14.9 | 19.2 | 23.0   | 175.9 | 230.3 | 83.5  |
| 15   | 146.7  | 86.9  | 99.0  | 53.3  | 36.6 | 23.9 | 14.2 | 22.0 | 21.5   | 194.5 | 188.3 | 73.7  |
| 16   | 107.8  | 90.4  | 80.1  | 66.9  | 60.4 | 26.9 | 14.2 | 34.9 | 22.3   | 210.9 | 160.3 | 67.5  |
| 17   | 76.8   | 95.5  | 66.9  | 75.2  | 54.2 | 25.7 | 14.2 | 43.8 | 30.8   | 213.0 | 136.9 | 64.0  |
| 18   | 85.2   | 80.1  | 65.2  | 62.2  | 46.3 | 23.9 | 14.9 | 32.6 | 23.8   | 383.8 | 122.2 | 62.2  |
| 19   | 97.2   | 73.5  | 57.8  | 51.8  | 41.0 | 22.0 | 22.9 | 25.7 | 21.5   | 386.2 | 116.7 | 81.7  |
| 20   | 73.5   | 81.8  | 73.5  | 49.0  | 36.6 | 21.0 | 22.0 | 24.8 | 22.3   | 304.3 | 247.7 | 92.4  |
| 21   | 66.9   | 90.4  | 120.3 | 45.1  | 34.9 | 19.2 | 21.0 | 24.8 | 24.5   | 223.8 | 241.2 | 68.4  |
| 22   | 92.1   | 75.2  | 196.5 | 43.8  | 32.5 | 18.3 | 45.1 | 50.3 | 27.5   | 258.5 | 182.1 | 59.5  |
| 23   | 175.9  | 62.2  | 436.1 | 41.1  | 30.0 | 17.3 | 99.0 | 45.1 | 33.3   | 272.3 | 140.8 | 53.3  |
| 24   | 114.9  | 59.3  | 635.0 | 39.8  | 29.2 | 17.3 | 57.8 | 37.2 | 53.3   | 228.1 | 122.2 | 48.9  |
| 25   | 80.1   | 68.5  | 428.4 | 37.2  | 28.4 | 17.3 | 39.8 | 36.0 | 79.9   | 213.0 | 113.1 | 47.2  |
| 26   | 92.1   | 104.3 | 371.3 | 37.2  | 26.0 | 17.3 | 29.2 | 65.2 | 140.5  | 200.7 | 107.8 | 42.8  |
| 27   | 106.1  | 135.0 | 428.4 | 36.0  | 24.5 | 17.3 | 25.7 | 54.8 | 614.0  | 194.5 | 100.7 | 41.0  |
| 28   | 164.2  | 198.6 | 593.3 | 34.9  | 22.3 | 16.4 | 22.9 | 43.8 | 1240.0 | 178.0 | 97.2  | 35.7  |
| 29   | 449.0  |       | 441.3 | 32.6  | 21.5 | 15.7 | 21.0 | 36.0 | 1222.5 | 158.3 | 107.8 | 33.3  |
| 30   | 587.7  |       | 302.0 | 31.5  | 20.0 | 14.9 | 19.2 | 29.2 | 892.5  | 135.0 | 104.3 | 38.4  |
| 31   | 733.9  |       | 228.1 |       | 19.3 |      | 18.3 | 25.7 |        | 114.9 |       | 42.8  |
| Mean | 129.1  | 230.8 | 209.5 | 71.4  | 33.3 | 19.2 | 23.0 | 27.6 | 157.5  | 273.6 | 197.8 | 69.2  |

| Year | : 1964 |       |      |       |       |      |       |       |       |       |      |      |
|------|--------|-------|------|-------|-------|------|-------|-------|-------|-------|------|------|
| Day  | Jan.   | Feb.  | Mar. | Apr.  | May   | Jun. | Jul.  | Aug.  | Sep.  | Oct.  | Nov. | Dec. |
| 1    | 51.6   | 30.8  | 34.9 | 46.4  | 260.8 | 22.0 | 34.9  | 46.4  | 100.7 | 122.2 | 93.8 | 43.8 |
| 2    | 57.8   | 95.9  | 41.9 | 37.2  | 290.6 | 21.0 | 32.6  | 50.3  | 109.6 | 104.3 | 71.8 | 56.3 |
| 3    | 52.5   | 61.3  | 42.8 | 31.5  | 206.8 | 22.0 | 32.6  | 100.7 | 124.0 | 88.7  | 62.2 | 68.5 |
| 4    | 46.3   | 42.8  | 40.1 | 30.3  | 140.8 | 23.9 | 36.0  | 116.7 | 102.5 | 78.5  | 53.3 | 88.7 |
| 5    | 44.5   | 36.6  | 35.7 | 30.3  | 109.6 | 23.9 | 38.5  | 95.5  | 88.7  | 66.9  | 53.3 | 76.8 |
| 6    | 42.8   | 34.1  | 36.6 | 29.2  | 120.3 | 22.0 | 34.9  | 78.5  | 81.8  | 63.7  | 56.3 | 56.3 |
| 7    | 41.0   | 35.7  | 36.6 | 51.8  | 144.7 | 21.0 | 45.1  | 70.2  | 71.8  | 57.8  | 51.8 | 42.4 |
| 8    | 43.7   | 87.0  | 32.5 | 49.0  | 116.7 | 21.0 | 43.8  | 63.7  | 160.3 | 86.9  | 45.1 | 36.0 |
| 9    | 34.9   | 67.5  | 30.0 | 41.1  | 90.4  | 22.0 | 45.1  | 57.8  | 196.5 | 150.6 | 38.5 | 31.5 |
| 10   | 32.5   | 48.1  | 27.5 | 34.9  | 76.8  | 26.9 | 51.8  | 53.3  | 173.9 | 118.5 | 36.0 | 30.3 |
| 11   | 30.0   | 36.6  | 26.0 | 41.1  | 68.5  | 65.2 | 46.4  | 46.4  | 204.8 | 100.7 | 32.6 | 30.3 |
| 12   | 30.8   | 27.5  | 23.0 | 34.9  | 60.8  | 62.2 | 41.1  | 43.8  | 173.9 | 88.7  | 31.5 | 31.5 |
| 13   | 32.5   | 30.8  | 23.8 | 31.5  | 56.3  | 71.8 | 39.8  | 45.1  | 140.8 | 73.5  | 30.3 | 32.6 |
| 14   | 30.8   | 40.1  | 41.0 | 31.5  | 51.8  | 90.4 | 37.2  | 47.7  | 118.5 | 65.2  | 29.2 | 38.5 |
| 15   | 29.2   | 61.3  | 78.1 | 31.5  | 49.0  | 75.2 | 36.0  | 45.1  | 102.5 | 56.3  | 31.5 | 37.2 |
| 16   | 27.5   | 70.2  | 62.2 | 32.6  | 43.8  | 63.7 | 34.9  | 43.8  | 92.1  | 50.3  | 30.3 | 31.5 |
| 17   | 27.5   | 57.8  | 48.1 | 36.0  | 38.5  | 54.8 | 32.6  | 41.1  | 81.8  | 47.7  | 29.2 | 25.7 |
| 18   | 32.5   | 97.7  | 40.1 | 37.2  | 38.5  | 47.7 | 31.5  | 37.2  | 73.5  | 45.1  | 30.3 | 24.8 |
| 19   | 29.2   | 122.6 | 34.9 | 37.2  | 37.2  | 41.1 | 30.3  | 38.5  | 66.9  | 43.8  | 31.5 | 23.9 |
| 20   | 24.5   | 100.4 | 29.2 | 45.1  | 36.0  | 36.0 | 28.0  | 46.4  | 62.2  | 42.4  | 31.5 | 22.9 |
| 21   | 26.8   | 70.2  | 25.3 | 47.7  | 36.0  | 32.6 | 26.9  | 57.8  | 57.8  | 65.2  | 31.5 | 21.0 |
| 22   | 30.8   | 59.5  | 23.8 | 47.7  | 34.9  | 31.5 | 25.7  | 54.8  | 54.8  | 97.2  | 32.6 | 31.5 |
| 23   | 36.6   | 50.7  | 22.3 | 59.3  | 34.9  | 31.5 | 25.7  | 51.8  | 60.8  | 78.5  | 33.8 | 37.2 |
| 24   | 30.8   | 41.0  | 18.5 | 88.7  | 33.8  | 32.6 | 26.9  | 50.3  | 65.2  | 60.8  | 31.5 | 36.0 |
| 25   | 30.8   | 43.7  | 20.0 | 93.8  | 29.2  | 37.2 | 88.7  | 50.3  | 62.2  | 50.3  | 28.0 | 32.6 |
| 26   | 34.9   | 41.9  | 24.5 | 73.5  | 26.9  | 62.2 | 140.8 | 62.2  | 78.5  | 62.2  | 24.8 | 31.5 |
| 27   | 29.2   | 39.3  | 21.5 | 59.3  | 25.7  | 57.8 | 109.6 | 92.1  | 97.2  | 206.8 | 23.9 | 30.3 |
| 28   | 31.6   | 35.7  | 34.1 | 116.7 | 24.8  | 47.7 | 80.1  | 180.1 | 97.2  | 142.8 | 22.0 | 25.7 |
| 29   | 30.0   | 35.7  | 48.1 | 156.4 | 23.9  | 41.1 | 63.7  | 184.2 | 144.7 | 85.2  | 25.7 | 31.5 |
| 30   | 26.8   |       | 75.5 | 116.7 | 22.9  | 37.2 | 56.3  | 146.7 | 142.8 | 114.9 | 32.6 | 46.4 |
| 31   | 24.5   |       | 51.6 |       | 22.0  |      | 47.7  | 122.2 |       | 116.7 |      | 41.1 |
| Mean | 34.7   | 55.3  | 36.5 | 53.3  | 75.9  | 41.5 | 46.6  | 71.6  | 106.3 | 84.9  | 38.5 | 38.5 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (13/25)

Year : 1965

| Day  | Jan. | Feb. | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 32.6 | 20.1 | 116.7 | 21.0  | 204.8 | 38.5  | 31.5  | 49.8  | 80.8  | 418.5 | 56.3  | 56.9  |
| 2    | 26.9 | 19.2 | 92.1  | 20.1  | 204.8 | 37.2  | 45.1  | 45.4  | 72.8  | 398.6 | 50.3  | 98.6  |
| 3    | 25.7 | 19.2 | 71.8  | 19.2  | 173.9 | 36.0  | 125.8 | 40.1  | 64.8  | 260.8 | 49.0  | 121.7 |
| 4    | 30.3 | 23.9 | 76.8  | 19.2  | 124.0 | 81.8  | 272.3 | 38.4  | 119.1 | 196.5 | 45.1  | 89.7  |
| 5    | 34.9 | 36.0 | 92.1  | 22.9  | 97.2  | 118.5 | 283.7 | 36.6  | 218.3 | 156.4 | 45.1  | 71.0  |
| 6    | 29.2 | 41.1 | 75.2  | 34.9  | 78.5  | 90.4  | 272.3 | 34.9  | 555.3 | 135.0 | 97.2  | 73.7  |
| 7    | 23.9 | 31.5 | 56.3  | 92.1  | 70.2  | 66.9  | 196.5 | 33.3  | 507.5 | 122.2 | 109.6 | 84.3  |
| 8    | 22.0 | 23.9 | 51.8  | 70.2  | 60.8  | 57.8  | 160.3 | 31.6  | 433.2 | 116.7 | 99.0  | 147.8 |
| 9    | 24.8 | 19.2 | 70.2  | 51.8  | 62.2  | 51.8  | 136.9 | 30.8  | 303.4 | 107.8 | 100.7 | 132.4 |
| 10   | 25.7 | 16.4 | 62.2  | 43.8  | 62.2  | 53.3  | 236.8 | 30.0  | 245.8 | 125.8 | 85.2  | 97.7  |
| 11   | 22.9 | 14.9 | 71.8  | 39.8  | 124.0 | 51.8  | 281.4 | 29.2  | 254.6 | 206.8 | 71.8  | 96.8  |
| 12   | 20.1 | 13.5 | 54.8  | 49.0  | 184.2 | 50.3  | 204.8 | 28.4  | 217.2 | 184.2 | 70.2  | 135.1 |
| 13   | 22.0 | 13.5 | 49.0  | 57.8  | 162.2 | 45.1  | 152.5 | 26.8  | 161.7 | 144.7 | 140.8 | 157.9 |
| 14   | 25.7 | 13.5 | 38.5  | 51.8  | 292.9 | 42.4  | 129.5 | 26.0  | 145.9 | 118.5 | 256.4 | 261.3 |
| 15   | 21.0 | 13.5 | 31.5  | 46.4  | 500.5 | 43.8  | 136.9 | 28.4  | 128.8 | 106.1 | 413.6 | 215.0 |
| 16   | 21.0 | 13.5 | 28.0  | 41.1  | 376.3 | 54.8  | 114.9 | 38.4  | 112.8 | 95.5  | 339.1 | 156.0 |
| 17   | 36.0 | 12.8 | 25.7  | 34.9  | 247.7 | 57.8  | 99.0  | 88.8  | 108.4 | 86.9  | 206.8 | 145.9 |
| 18   | 49.0 | 15.7 | 23.9  | 31.5  | 173.9 | 51.8  | 92.1  | 380.0 | 106.6 | 80.1  | 150.6 | 131.5 |
| 19   | 90.4 | 23.9 | 28.0  | 31.5  | 136.9 | 49.0  | 81.8  | 450.0 | 232.6 | 73.5  | 120.3 | 133.3 |
| 20   | 70.2 | 19.2 | 25.7  | 29.2  | 118.5 | 46.4  | 80.1  | 588.5 | 245.8 | 73.5  | 99.0  | 227.1 |
| 21   | 51.8 | 15.7 | 23.9  | 25.7  | 107.8 | 43.8  | 97.2  | 763.7 | 180.3 | 78.5  | 85.2  | 262.4 |
| 22   | 37.2 | 13.5 | 21.0  | 25.7  | 97.2  | 41.1  | 81.8  | 834.7 | 149.6 | 73.5  | 75.2  | 329.4 |
| 23   | 29.2 | 12.8 | 22.0  | 25.7  | 85.2  | 39.8  | 73.5  | 364.6 | 134.2 | 81.8  | 68.5  | 312.5 |
| 24   | 23.9 | 21.0 | 41.1  | 24.8  | 70.2  | 37.2  | 66.9  | 234.8 | 124.4 | 90.4  | 63.7  | 262.4 |
| 25   | 20.1 | 22.9 | 63.7  | 22.9  | 60.8  | 37.2  | 59.3  | 160.7 | 119.9 | 95.5  | 57.8  | 266.9 |
| 26   | 19.2 | 21.0 | 49.0  | 57.8  | 56.3  | 36.0  | 57.8  | 121.7 | 124.4 | 97.2  | 73.5  | 311.2 |
| 27   | 34.9 | 25.7 | 34.9  | 107.8 | 51.8  | 33.8  | 56.3  | 100.4 | 140.5 | 81.8  | 118.5 | 311.2 |
| 28   | 41.1 | 81.8 | 29.2  | 85.2  | 47.7  | 32.6  | 50.3  | 95.0  | 107.5 | 71.8  | 104.3 | 190.8 |
| 29   | 31.5 |      | 24.8  | 78.5  | 43.8  | 32.6  | 49.0  | 89.7  | 145.9 | 70.2  | 81.8  | 150.5 |
| 30   | 26.9 |      | 22.0  | 124.0 | 42.4  | 31.5  | 45.1  | 88.8  | 221.6 | 66.9  | 73.5  | 132.4 |
| 31   | 23.9 |      | 22.0  |       | 41.1  |       | 49.0  | 87.0  |       | 62.2  |       | 121.7 |
| Mean | 32.1 | 22.1 | 48.3  | 46.2  | 134.2 | 49.7  | 123.2 | 161.2 | 192.1 | 131.6 | 113.6 | 170.5 |

Year : 1966

| Day  | Jan.  | Feb.   | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 110.2 | 200.7  | 297.4 | 106.6 | 47.2  | 36.6  | 196.3 | 38.4  | 115.5 | 42.8  | 204.0 | 43.7  |
| 2    | 105.7 | 185.6  | 270.0 | 101.3 | 44.5  | 35.7  | 157.0 | 35.7  | 175.3 | 42.8  | 200.7 | 63.1  |
| 3    | 110.2 | 175.3  | 249.9 | 99.5  | 41.9  | 35.7  | 128.0 | 34.9  | 360.4 | 60.4  | 175.3 | 111.0 |
| 4    | 175.3 | 120.8  | 236.8 | 100.4 | 47.2  | 32.5  | 112.8 | 48.9  | 597.0 | 82.6  | 144.1 | 131.5 |
| 5    | 201.8 | 105.7  | 341.5 | 111.0 | 54.2  | 32.5  | 100.4 | 55.1  | 469.6 | 97.7  | 119.9 | 110.2 |
| 6    | 160.7 | 110.2  | 304.3 | 99.5  | 79.0  | 31.6  | 88.8  | 48.1  | 359.0 | 79.0  | 102.1 | 88.8  |
| 7    | 108.4 | 98.6   | 225.9 | 102.1 | 136.9 | 30.8  | 80.8  | 40.1  | 326.8 | 156.0 | 89.7  | 69.3  |
| 8    | 125.3 | 135.1  | 186.2 | 119.9 | 103.0 | 30.8  | 70.2  | 35.7  | 300.8 | 269.2 | 89.7  | 105.7 |
| 9    | 151.4 | 293.0  | 148.6 | 128.0 | 82.6  | 30.0  | 60.4  | 34.9  | 229.3 | 293.0 | 97.7  | 85.2  |
| 10   | 140.5 | 509.0  | 135.0 | 131.5 | 77.2  | 30.0  | 58.6  | 34.9  | 185.6 | 207.3 | 102.1 | 81.7  |
| 11   | 128.8 | 602.1  | 125.8 | 110.2 | 87.0  | 30.0  | 52.5  | 34.1  | 149.6 | 147.8 | 84.3  | 79.9  |
| 12   | 116.4 | 980.0  | 116.7 | 101.3 | 87.0  | 32.5  | 50.7  | 34.1  | 119.9 | 118.2 | 92.4  | 131.5 |
| 13   | 95.9  | 825.5  | 107.8 | 91.5  | 80.8  | 50.7  | 47.2  | 34.1  | 102.1 | 111.0 | 93.2  | 270.4 |
| 14   | 82.6  | 700.0  | 99.0  | 86.1  | 71.9  | 89.7  | 43.7  | 33.3  | 120.8 | 101.3 | 82.6  | 179.3 |
| 15   | 72.8  | 1222.5 | 92.1  | 71.0  | 63.1  | 98.6  | 51.6  | 33.3  | 190.8 | 88.8  | 87.0  | 146.8 |
| 16   | 98.6  | 1485.0 | 86.9  | 65.7  | 65.7  | 80.8  | 60.4  | 30.8  | 223.8 | 103.9 | 74.6  | 150.5 |
| 17   | 87.9  | 1322.5 | 80.1  | 62.2  | 52.5  | 322.9 | 56.0  | 28.4  | 262.4 | 119.9 | 69.3  | 95.9  |
| 18   | 73.7  | 1160.0 | 75.2  | 59.5  | 45.4  | 415.0 | 52.5  | 26.8  | 175.3 | 163.6 | 57.8  | 116.4 |
| 19   | 124.4 | 965.0  | 73.5  | 55.1  | 42.8  | 300.8 | 48.1  | 26.0  | 119.9 | 200.7 | 53.3  | 160.7 |
| 20   | 160.7 | 746.9  | 73.5  | 60.4  | 44.5  | 270.4 | 43.7  | 26.0  | 103.9 | 150.5 | 51.6  | 332.0 |
| 21   | 131.5 | 478.0  | 70.2  | 57.8  | 51.6  | 188.7 | 41.9  | 26.0  | 89.7  | 117.3 | 48.9  | 313.8 |
| 22   | 122.6 | 349.2  | 68.5  | 53.3  | 58.6  | 146.8 | 40.1  | 29.2  | 75.5  | 102.1 | 60.4  | 210.6 |
| 23   | 140.5 | 326.8  | 129.5 | 49.8  | 71.9  | 136.0 | 54.2  | 65.7  | 71.9  | 110.2 | 70.2  | 146.8 |
| 24   | 151.4 | 307.3  | 122.2 | 40.1  | 65.7  | 125.3 | 68.4  | 350.6 | 61.3  | 120.8 | 60.4  | 111.0 |
| 25   | 178.3 | 285.2  | 160.3 | 60.4  | 55.1  | 113.7 | 48.1  | 244.7 | 56.0  | 108.4 | 44.5  | 95.9  |
| 26   | 245.8 | 274.0  | 398.6 | 78.1  | 44.5  | 96.8  | 45.4  | 105.7 | 49.8  | 103.0 | 40.1  | 86.1  |
| 27   | 205.1 | 254.6  | 292.9 | 60.4  | 44.5  | 84.3  | 44.5  | 96.8  | 48.9  | 165.5 | 38.4  | 80.8  |
| 28   | 190.8 | 234.8  | 196.5 | 54.2  | 42.8  | 79.0  | 43.7  | 88.8  | 47.2  | 190.8 | 39.3  | 88.8  |
| 29   | 180.3 |        | 142.8 | 49.8  | 40.1  | 130.6 | 42.8  | 75.5  | 44.5  | 182.4 | 35.7  | 85.2  |
| 30   | 205.1 |        | 116.7 | 47.2  | 38.4  | 227.1 | 41.9  | 101.3 | 43.7  | 180.3 | 34.9  | 75.5  |
| 31   | 243.6 |        | 102.5 |       | 37.5  |       | 40.1  | 88.8  |       | 191.9 |       | 70.2  |
| Mean | 142.8 | 516.2  | 165.4 | 80.5  | 61.5  | 111.5 | 66.8  | 64.1  | 175.9 | 135.8 | 84.8  | 126.4 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (14/25)

| Year | : 1967 |       |       |       |      |       |       |       |       |       |       |       |
|------|--------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 100.4  | 75.5  | 357.6 | 94.1  | 53.3 | 30.0  | 42.4  | 34.1  | 60.4  | 112.8 | 80.1  | 233.7 |
| 2    | 106.6  | 103.9 | 280.0 | 98.6  | 44.5 | 29.2  | 43.8  | 34.1  | 61.3  | 104.8 | 73.5  | 168.4 |
| 3    | 116.4  | 142.3 | 211.7 | 75.5  | 43.7 | 28.4  | 42.4  | 34.1  | 103.0 | 99.5  | 73.5  | 223.8 |
| 4    | 188.7  | 194.1 | 165.5 | 74.6  | 41.9 | 37.5  | 38.5  | 31.6  | 102.1 | 173.3 | 80.1  | 281.3 |
| 5    | 209.5  | 196.3 | 181.3 | 68.4  | 39.3 | 66.6  | 37.2  | 30.8  | 110.2 | 154.2 | 68.5  | 229.3 |
| 6    | 140.5  | 146.8 | 207.3 | 60.4  | 38.4 | 118.2 | 36.0  | 30.8  | 160.7 | 119.9 | 59.3  | 171.3 |
| 7    | 116.4  | 103.9 | 170.3 | 56.0  | 38.4 | 179.3 | 36.0  | 30.0  | 188.7 | 106.6 | 56.3  | 120.8 |
| 8    | 97.7   | 93.2  | 145.9 | 52.5  | 37.5 | 115.5 | 34.9  | 28.4  | 145.0 | 90.6  | 46.4  | 175.3 |
| 9    | 120.8  | 115.5 | 119.9 | 48.9  | 36.6 | 92.4  | 41.1  | 28.4  | 130.6 | 78.1  | 42.4  | 136.0 |
| 10   | 102.1  | 101.3 | 103.9 | 44.5  | 35.7 | 69.3  | 51.8  | 27.5  | 125.3 | 74.6  | 38.5  | 116.4 |
| 11   | 85.2   | 115.5 | 96.8  | 43.7  | 35.7 | 53.3  | 50.3  | 27.5  | 120.8 | 69.3  | 45.1  | 88.8  |
| 12   | 71.0   | 160.7 | 83.5  | 40.1  | 35.7 | 69.3  | 45.1  | 27.5  | 112.8 | 65.7  | 53.3  | 73.7  |
| 13   | 58.6   | 202.9 | 85.2  | 36.6  | 34.1 | 80.8  | 47.7  | 27.5  | 210.6 | 62.2  | 70.2  | 60.4  |
| 14   | 59.5   | 189.8 | 91.5  | 35.7  | 31.6 | 79.9  | 71.8  | 27.5  | 205.1 | 61.3  | 75.2  | 54.2  |
| 15   | 64.8   | 157.0 | 91.5  | 34.1  | 31.6 | 76.4  | 104.3 | 28.4  | 190.8 | 59.5  | 65.2  | 48.1  |
| 16   | 67.5   | 114.6 | 76.4  | 34.1  | 28.4 | 73.7  | 97.2  | 27.5  | 150.5 | 56.0  | 133.2 | 44.5  |
| 17   | 57.8   | 125.3 | 65.7  | 33.3  | 26.8 | 61.3  | 120.3 | 26.8  | 135.1 | 55.1  | 129.5 | 46.3  |
| 18   | 52.5   | 159.8 | 56.9  | 32.5  | 26.0 | 60.4  | 122.2 | 26.0  | 145.9 | 52.5  | 124.0 | 61.3  |
| 19   | 52.5   | 179.3 | 55.1  | 31.6  | 25.3 | 61.3  | 109.6 | 25.3  | 240.3 | 88.8  | 136.9 | 74.6  |
| 20   | 43.7   | 165.5 | 53.3  | 31.6  | 24.5 | 66.6  | 97.2  | 24.5  | 501.5 | 140.5 | 107.8 | 102.1 |
| 21   | 42.8   | 145.9 | 52.5  | 30.0  | 31.6 | 64.8  | 83.5  | 27.5  | 361.8 | 207.3 | 95.5  | 157.0 |
| 22   | 43.7   | 158.8 | 51.6  | 32.5  | 61.3 | 62.2  | 75.2  | 33.3  | 309.9 | 280.0 | 76.8  | 105.7 |
| 23   | 49.8   | 278.8 | 60.4  | 30.8  | 75.5 | 52.5  | 65.2  | 108.4 | 306.0 | 205.1 | 66.9  | 67.5  |
| 24   | 93.2   | 353.4 | 57.8  | 29.2  | 60.4 | 48.9  | 57.8  | 295.6 | 290.4 | 151.4 | 63.7  | 54.2  |
| 25   | 143.2  | 270.4 | 60.4  | 27.5  | 48.9 | 45.4  | 51.8  | 384.2 | 270.4 | 115.5 | 63.7  | 46.3  |
| 26   | 124.4  | 333.3 | 64.0  | 28.4  | 34.9 | 41.0  | 50.3  | 232.6 | 215.0 | 110.2 | 75.2  | 44.5  |
| 27   | 94.1   | 381.4 | 74.6  | 71.0  | 30.8 | 38.4  | 47.7  | 141.4 | 219.4 | 100.4 | 140.8 | 38.4  |
| 28   | 85.2   | 380.0 | 131.5 | 115.5 | 29.2 | 35.7  | 45.1  | 110.2 | 185.6 | 98.6  | 173.9 | 35.7  |
| 29   | 78.1   |       | 183.4 | 88.8  | 26.0 | 35.7  | 43.8  | 87.9  | 166.5 | 100.4 | 324.1 | 34.1  |
| 30   | 87.9   |       | 111.0 | 70.2  | 30.8 | 34.9  | 42.4  | 75.5  | 136.9 | 108.4 | 336.6 | 33.3  |
| 31   | 80.8   |       | 99.5  |       | 32.5 |       | 41.1  | 62.2  |       | 90.6  |       | 32.5  |
| Mean | 91.5   | 183.8 | 117.6 | 51.7  | 37.8 | 63.6  | 60.5  | 68.9  | 188.8 | 109.5 | 99.2  | 101.9 |

| Year | : 1968 |      |      |      |      |      |       |      |       |       |       |       |
|------|--------|------|------|------|------|------|-------|------|-------|-------|-------|-------|
| Day  | Jan.   | Feb. | Mar. | Apr. | May  | Jun. | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 49.0   | 42.8 | 9.6  | 18.5 | 17.0 | 7.4  | 8.2   | 11.1 | 19.3  | 30.0  | 180.3 | 40.1  |
| 2    | 50.3   | 30.0 | 9.6  | 19.3 | 14.8 | 7.4  | 8.2   | 9.6  | 12.5  | 25.3  | 160.7 | 33.3  |
| 3    | 41.1   | 26.0 | 9.6  | 28.4 | 13.3 | 7.4  | 8.2   | 8.9  | 8.9   | 22.3  | 149.6 | 28.4  |
| 4    | 39.8   | 22.3 | 8.9  | 40.1 | 11.8 | 7.4  | 8.2   | 8.2  | 7.4   | 20.8  | 137.8 | 23.8  |
| 5    | 36.0   | 20.8 | 8.9  | 31.6 | 11.1 | 8.2  | 10.3  | 8.2  | 6.7   | 20.0  | 128.0 | 20.8  |
| 6    | 32.6   | 20.8 | 8.9  | 23.8 | 11.1 | 11.1 | 11.1  | 9.6  | 6.0   | 19.3  | 114.6 | 19.3  |
| 7    | 31.5   | 21.5 | 8.9  | 20.0 | 11.1 | 20.8 | 11.1  | 11.1 | 5.3   | 18.5  | 194.1 | 16.3  |
| 8    | 28.0   | 22.3 | 22.3 | 17.8 | 11.1 | 40.1 | 23.8  | 16.3 | 5.1   | 18.5  | 243.6 | 14.8  |
| 9    | 26.9   | 20.8 | 20.8 | 16.3 | 10.3 | 69.3 | 48.9  | 20.0 | 4.7   | 18.5  | 158.8 | 14.0  |
| 10   | 25.7   | 20.0 | 19.3 | 15.5 | 10.3 | 26.0 | 111.0 | 22.3 | 4.2   | 18.5  | 122.6 | 14.0  |
| 11   | 23.9   | 17.0 | 17.0 | 14.0 | 10.3 | 20.0 | 74.6  | 18.5 | 4.0   | 20.8  | 123.5 | 14.0  |
| 12   | 24.8   | 22.3 | 20.0 | 14.0 | 10.3 | 18.5 | 53.3  | 14.0 | 11.8  | 26.0  | 103.0 | 13.3  |
| 13   | 28.0   | 31.6 | 43.7 | 13.3 | 9.6  | 16.3 | 35.7  | 12.5 | 35.7  | 67.5  | 76.4  | 13.3  |
| 14   | 30.3   | 30.8 | 35.7 | 12.5 | 9.6  | 15.5 | 30.0  | 11.1 | 57.8  | 59.5  | 69.3  | 12.5  |
| 15   | 29.2   | 25.3 | 21.5 | 11.8 | 10.3 | 14.8 | 24.5  | 9.6  | 87.0  | 48.1  | 59.5  | 12.5  |
| 16   | 31.5   | 20.0 | 27.5 | 11.1 | 12.5 | 13.3 | 22.3  | 9.6  | 124.4 | 36.6  | 48.1  | 12.5  |
| 17   | 34.9   | 18.5 | 34.9 | 11.1 | 13.3 | 12.5 | 20.0  | 9.6  | 85.2  | 36.6  | 41.0  | 11.8  |
| 18   | 43.8   | 16.3 | 33.3 | 11.1 | 12.5 | 11.1 | 18.5  | 8.2  | 51.6  | 41.9  | 40.1  | 11.1  |
| 19   | 41.1   | 14.8 | 23.8 | 12.5 | 11.8 | 11.8 | 17.8  | 8.2  | 41.0  | 64.0  | 38.4  | 9.6   |
| 20   | 38.5   | 14.8 | 17.8 | 26.0 | 9.6  | 11.8 | 17.0  | 7.4  | 42.8  | 62.2  | 31.6  | 11.1  |
| 21   | 50.3   | 13.3 | 17.8 | 48.9 | 8.9  | 12.5 | 17.0  | 7.4  | 244.7 | 46.3  | 29.2  | 12.5  |
| 22   | 56.3   | 12.5 | 20.8 | 30.0 | 8.2  | 11.8 | 19.3  | 7.4  | 332.0 | 36.6  | 28.4  | 36.6  |
| 23   | 54.8   | 11.8 | 27.5 | 22.3 | 8.2  | 11.1 | 20.0  | 6.7  | 185.6 | 31.6  | 26.8  | 111.0 |
| 24   | 62.2   | 11.8 | 30.0 | 17.8 | 8.2  | 9.6  | 17.8  | 6.7  | 105.7 | 29.2  | 23.8  | 349.2 |
| 25   | 51.8   | 19.3 | 44.5 | 15.5 | 8.2  | 9.6  | 15.5  | 6.7  | 67.5  | 27.5  | 23.0  | 515.0 |
| 26   | 47.7   | 14.0 | 34.1 | 14.0 | 8.2  | 8.9  | 13.3  | 6.7  | 53.3  | 27.5  | 22.3  | 339.8 |
| 27   | 47.7   | 12.5 | 27.5 | 14.0 | 8.2  | 8.9  | 12.5  | 6.7  | 44.5  | 76.4  | 21.5  | 205.1 |
| 28   | 43.8   | 11.1 | 24.5 | 14.8 | 8.2  | 8.2  | 12.5  | 6.7  | 40.1  | 70.2  | 21.5  | 150.5 |
| 29   | 36.0   | 10.3 | 20.0 | 19.3 | 7.4  | 8.2  | 12.5  | 7.4  | 39.3  | 134.2 | 23.0  | 101.3 |
| 30   | 36.0   |      | 20.0 | 23.0 | 7.4  | 8.2  | 11.1  | 8.2  | 36.6  | 200.7 | 35.7  | 80.8  |
| 31   | 71.8   |      | 19.3 |      | 7.4  |      | 11.1  | 11.1 |       | 190.8 |       | 57.8  |
| Mean | 40.2   | 19.8 | 22.2 | 19.6 | 10.3 | 14.9 | 23.4  | 10.2 | 59.0  | 49.9  | 82.5  | 74.4  |

# DAILY MEAN DISCHARGE AT RIO DO SUL (15/25)

| Year | : 1969 |       |       |       |      |       |       |       |       |      |       |      |
|------|--------|-------|-------|-------|------|-------|-------|-------|-------|------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun.  | Jul.  | Aug.  | Sep.  | Oct. | Nov.  | Dec. |
| 1    | 60.4   | 59.5  | 191.9 | 363.2 | 62.2 | 51.6  | 111.0 | 43.7  | 73.7  | 39.3 | 35.7  | 82.6 |
| 2    | 74.6   | 70.2  | 290.4 | 633.8 | 61.3 | 46.3  | 99.5  | 41.0  | 60.4  | 43.7 | 32.5  | 51.6 |
| 3    | 120.8  | 93.2  | 271.6 | 507.5 | 66.6 | 42.8  | 84.3  | 37.5  | 52.5  | 44.5 | 30.0  | 44.5 |
| 4    | 140.5  | 102.1 | 196.3 | 497.0 | 70.2 | 37.5  | 76.4  | 35.7  | 61.3  | 42.8 | 29.2  | 41.0 |
| 5    | 200.7  | 70.2  | 148.7 | 930.0 | 63.1 | 34.9  | 66.6  | 28.4  | 78.1  | 39.3 | 29.2  | 37.5 |
| 6    | 260.2  | 60.4  | 110.2 | 761.6 | 58.6 | 30.8  | 64.8  | 37.5  | 74.6  | 48.1 | 30.0  | 35.7 |
| 7    | 185.6  | 85.2  | 89.7  | 605.5 | 54.2 | 28.4  | 62.2  | 36.6  | 67.5  | 64.8 | 50.7  | 34.1 |
| 8    | 177.3  | 132.4 | 78.1  | 423.4 | 48.9 | 27.5  | 125.3 | 35.7  | 64.0  | 70.2 | 100.4 | 33.3 |
| 9    | 152.3  | 160.7 | 68.4  | 280.0 | 41.9 | 27.5  | 289.1 | 34.9  | 61.3  | 64.8 | 171.3 | 31.6 |
| 10   | 464.0  | 162.6 | 64.8  | 188.7 | 37.5 | 26.8  | 253.5 | 33.3  | 56.9  | 55.1 | 120.8 | 29.2 |
| 11   | 595.3  | 115.5 | 62.2  | 146.8 | 35.7 | 26.0  | 190.8 | 31.6  | 52.5  | 48.1 | 82.6  | 27.5 |
| 12   | 401.0  | 102.1 | 56.9  | 128.8 | 34.9 | 25.3  | 160.7 | 28.4  | 48.9  | 39.3 | 64.0  | 24.5 |
| 13   | 231.5  | 83.5  | 50.7  | 111.0 | 34.1 | 24.5  | 120.8 | 25.3  | 47.2  | 33.3 | 52.5  | 40.1 |
| 14   | 162.6  | 67.5  | 46.3  | 99.5  | 33.3 | 37.5  | 105.7 | 23.8  | 45.4  | 31.6 | 61.3  | 49.8 |
| 15   | 172.3  | 80.8  | 39.3  | 84.3  | 32.5 | 88.8  | 100.4 | 23.0  | 41.0  | 30.8 | 100.4 | 40.1 |
| 16   | 151.4  | 106.6 | 37.5  | 79.9  | 30.8 | 136.9 | 94.1  | 24.5  | 34.1  | 44.5 | 136.0 | 34.1 |
| 17   | 118.2  | 283.9 | 36.6  | 78.1  | 30.0 | 215.0 | 90.6  | 23.0  | 33.3  | 58.6 | 147.8 | 30.0 |
| 18   | 101.3  | 635.6 | 48.9  | 74.6  | 29.2 | 307.3 | 81.7  | 23.0  | 32.5  | 50.7 | 100.4 | 29.2 |
| 19   | 81.7   | 785.4 | 70.2  | 71.0  | 28.4 | 285.2 | 78.1  | 22.3  | 39.3  | 39.3 | 90.6  | 28.4 |
| 20   | 63.1   | 736.4 | 135.1 | 69.3  | 27.5 | 196.3 | 70.2  | 21.5  | 62.2  | 36.6 | 80.8  | 27.5 |
| 21   | 55.1   | 510.5 | 158.8 | 68.4  | 27.5 | 208.4 | 69.3  | 20.8  | 103.9 | 31.6 | 92.4  | 25.3 |
| 22   | 49.8   | 380.0 | 199.6 | 88.8  | 27.5 | 221.6 | 66.6  | 20.0  | 87.9  | 39.3 | 132.4 | 23.8 |
| 23   | 48.1   | 210.6 | 142.3 | 111.9 | 27.5 | 289.1 | 63.1  | 20.0  | 66.6  | 40.1 | 103.0 | 27.5 |
| 24   | 48.1   | 180.3 | 102.1 | 93.2  | 30.0 | 353.4 | 59.5  | 26.0  | 63.1  | 36.6 | 79.9  | 35.7 |
| 25   | 60.4   | 115.5 | 81.7  | 80.8  | 31.6 | 303.4 | 56.0  | 31.6  | 56.0  | 33.3 | 60.4  | 30.0 |
| 26   | 55.1   | 120.8 | 101.3 | 71.9  | 64.0 | 223.8 | 52.5  | 52.5  | 44.5  | 30.0 | 50.7  | 27.5 |
| 27   | 47.2   | 110.2 | 113.7 | 67.5  | 82.6 | 200.7 | 50.7  | 84.3  | 40.1  | 27.5 | 46.3  | 22.3 |
| 28   | 60.4   | 155.1 | 101.3 | 58.6  | 61.3 | 168.4 | 48.9  | 128.0 | 35.7  | 25.3 | 80.8  | 21.5 |
| 29   | 108.4  |       | 119.9 | 56.9  | 48.1 | 145.9 | 47.2  | 155.1 | 34.9  | 29.2 | 226.0 | 20.8 |
| 30   | 79.9   |       | 230.4 | 59.5  | 44.5 | 128.8 | 46.3  | 135.1 | 34.1  | 33.3 | 153.3 | 20.8 |
| 31   | 68.4   |       | 159.8 |       | 51.6 |       | 45.4  | 102.1 |       | 42.8 |       | 30.8 |
| Mean | 148.2  | 206.3 | 116.3 | 229.7 | 44.4 | 131.3 | 94.6  | 44.7  | 55.1  | 41.8 | 85.7  | 33.5 |

| Year | : 1970 |       |       |       |       |       |       |       |       |       |      |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov. | Dec.  |
| 1    | 80.8   | 30.0  | 33.3  | 45.4  | 20.0  | 30.8  | 271.6 | 99.5  | 142.3 | 67.5  | 56.3 | 25.7  |
| 2    | 119.9  | 49.8  | 30.0  | 41.0  | 20.0  | 30.0  | 551.9 | 67.5  | 128.8 | 64.8  | 65.2 | 28.0  |
| 3    | 97.7   | 89.7  | 28.4  | 38.4  | 20.0  | 30.0  | 419.2 | 58.6  | 105.7 | 64.0  | 73.5 | 24.8  |
| 4    | 89.7   | 125.3 | 27.5  | 79.0  | 23.0  | 29.2  | 286.5 | 55.1  | 90.6  | 62.2  | 54.8 | 23.9  |
| 5    | 103.0  | 110.2 | 25.3  | 105.7 | 37.5  | 45.4  | 193.0 | 50.7  | 95.0  | 50.7  | 43.8 | 22.0  |
| 6    | 180.3  | 100.4 | 23.8  | 91.5  | 65.7  | 106.6 | 143.2 | 48.1  | 143.2 | 43.7  | 41.1 | 20.1  |
| 7    | 155.1  | 92.4  | 22.3  | 73.7  | 70.2  | 259.0 | 114.6 | 46.3  | 233.7 | 41.0  | 41.1 | 18.3  |
| 8    | 145.0  | 84.3  | 22.3  | 63.1  | 69.3  | 248.0 | 103.9 | 44.5  | 275.2 | 44.5  | 42.4 | 18.3  |
| 9    | 136.9  | 67.5  | 25.3  | 55.1  | 51.6  | 135.1 | 82.6  | 44.5  | 190.8 | 49.8  | 46.4 | 19.2  |
| 10   | 109.3  | 56.0  | 25.3  | 49.8  | 40.1  | 102.1 | 67.5  | 43.7  | 140.5 | 56.0  | 43.8 | 62.2  |
| 11   | 73.7   | 42.8  | 32.5  | 44.5  | 34.1  | 90.6  | 64.8  | 42.8  | 125.3 | 54.2  | 34.9 | 118.5 |
| 12   | 52.5   | 34.9  | 49.8  | 39.3  | 29.2  | 85.2  | 64.8  | 40.1  | 100.4 | 48.9  | 33.8 | 102.5 |
| 13   | 44.5   | 29.2  | 91.5  | 35.7  | 27.5  | 198.5 | 64.0  | 35.7  | 95.0  | 43.7  | 32.6 | 76.8  |
| 14   | 48.1   | 31.6  | 114.6 | 34.1  | 26.8  | 312.5 | 64.0  | 33.3  | 85.2  | 36.6  | 32.6 | 62.2  |
| 15   | 71.0   | 35.7  | 113.7 | 32.5  | 26.0  | 269.2 | 62.2  | 30.0  | 68.4  | 33.3  | 30.3 | 75.2  |
| 16   | 95.0   | 46.3  | 77.2  | 31.6  | 25.3  | 190.8 | 61.3  | 29.2  | 61.3  | 30.0  | 29.2 | 71.8  |
| 17   | 67.5   | 38.4  | 74.6  | 29.2  | 24.5  | 140.5 | 61.3  | 28.4  | 57.8  | 69.3  | 28.0 | 65.2  |
| 18   | 56.9   | 36.6  | 72.8  | 27.5  | 35.7  | 105.7 | 60.4  | 27.5  | 56.0  | 190.8 | 26.9 | 60.8  |
| 19   | 52.5   | 41.9  | 94.1  | 26.0  | 71.9  | 95.0  | 58.6  | 27.5  | 56.0  | 193.0 | 25.7 | 54.8  |
| 20   | 51.6   | 44.5  | 165.5 | 25.3  | 162.6 | 84.3  | 56.9  | 28.4  | 53.3  | 145.0 | 24.8 | 45.1  |
| 21   | 48.1   | 57.8  | 154.2 | 23.8  | 145.0 | 77.2  | 53.3  | 29.2  | 53.3  | 120.8 | 22.9 | 38.5  |
| 22   | 42.8   | 100.4 | 154.2 | 23.0  | 103.0 | 100.4 | 49.8  | 30.0  | 52.5  | 116.4 | 22.0 | 43.8  |
| 23   | 33.3   | 129.7 | 111.9 | 22.3  | 64.8  | 121.7 | 48.1  | 187.6 | 52.5  | 115.5 | 21.0 | 142.8 |
| 24   | 26.0   | 84.3  | 83.5  | 22.3  | 58.6  | 103.9 | 48.1  | 167.4 | 50.7  | 94.1  | 20.1 | 286.0 |
| 25   | 25.3   | 51.6  | 64.0  | 21.5  | 48.1  | 94.1  | 46.3  | 126.2 | 49.8  | 80.8  | 19.2 | 225.9 |
| 26   | 24.5   | 44.5  | 53.3  | 21.5  | 39.3  | 88.8  | 44.5  | 94.1  | 48.9  | 77.2  | 19.2 | 288.3 |
| 27   | 24.5   | 37.5  | 47.2  | 21.5  | 36.6  | 79.0  | 44.5  | 156.0 | 57.8  | 73.7  | 20.1 | 366.4 |
| 28   | 23.8   | 35.7  | 38.4  | 20.8  | 33.3  | 73.7  | 51.6  | 217.2 | 49.8  | 71.9  | 21.0 | 279.1 |
| 29   | 23.8   |       | 36.6  | 20.8  | 32.5  | 132.4 | 89.7  | 215.0 | 66.6  | 65.7  | 24.8 | 196.5 |
| 30   | 23.0   |       | 34.9  | 20.8  | 31.6  | 194.1 | 125.3 | 200.7 | 72.8  | 53.3  | 23.9 | 170.0 |
| 31   | 23.0   |       | 34.1  |       | 30.8  |       | 117.3 | 150.5 |       | 42.8  |      | 228.1 |
| Mean | 69.3   | 61.8  | 63.3  | 39.6  | 48.5  | 121.8 | 115.2 | 79.2  | 95.3  | 74.2  | 34.1 | 105.2 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (16/25)

| Year | : 1971 |       |       |       |       |        |       |       |       |       |      |      |
|------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.   | Jul.  | Aug.  | Sep.  | Oct.  | Nov. | Dec. |
| 1    | 300.8  | 120.3 | 96.8  | 149.6 | 158.3 | 62.2   | 110.2 | 68.4  | 58.6  | 132.4 | 34.9 | 20.0 |
| 2    | 436.0  | 122.2 | 70.2  | 120.8 | 125.8 | 60.8   | 118.2 | 60.4  | 54.2  | 99.5  | 33.3 | 18.5 |
| 3    | 401.0  | 92.1  | 63.1  | 109.3 | 109.6 | 60.8   | 134.2 | 58.6  | 48.1  | 82.6  | 35.7 | 19.3 |
| 4    | 389.8  | 78.5  | 140.5 | 99.5  | 104.3 | 63.7   | 590.2 | 57.8  | 44.5  | 84.3  | 33.3 | 22.3 |
| 5    | 380.0  | 81.8  | 300.8 | 90.6  | 148.6 | 102.5  | 843.9 | 55.1  | 48.1  | 75.5  | 31.6 | 32.5 |
| 6    | 370.2  | 85.2  | 402.4 | 88.8  | 228.1 | 156.4  | 571.8 | 55.1  | 114.6 | 59.5  | 30.0 | 29.2 |
| 7    | 347.8  | 88.7  | 325.5 | 79.0  | 336.6 | 160.3  | 401.0 | 63.1  | 202.9 | 100.4 | 29.2 | 22.3 |
| 8    | 278.8  | 106.1 | 210.6 | 87.0  | 584.9 | 456.7  | 219.4 | 180.3 | 174.3 | 118.2 | 27.5 | 20.0 |
| 9    | 233.7  | 95.5  | 195.2 | 103.0 | 477.3 | 1116.3 | 199.6 | 149.6 | 127.1 | 101.3 | 25.3 | 20.0 |
| 10   | 431.8  | 80.1  | 180.3 | 120.8 | 299.7 | 696.1  | 166.5 | 120.8 | 93.2  | 106.6 | 26.8 | 18.5 |
| 11   | 529.4  | 104.3 | 146.8 | 100.4 | 204.8 | 487.6  | 149.6 | 110.2 | 80.8  | 124.4 | 26.0 | 17.0 |
| 12   | 513.5  | 125.8 | 138.7 | 86.1  | 160.3 | 371.3  | 141.4 | 105.7 | 96.8  | 188.7 | 25.3 | 14.8 |
| 13   | 420.6  | 135.0 | 140.5 | 76.4  | 136.9 | 219.4  | 130.6 | 100.4 | 101.3 | 233.7 | 24.5 | 14.8 |
| 14   | 342.4  | 245.5 | 180.3 | 71.0  | 124.0 | 173.9  | 119.9 | 94.1  | 107.5 | 186.6 | 23.8 | 22.3 |
| 15   | 252.4  | 232.5 | 234.8 | 92.4  | 118.5 | 148.6  | 118.2 | 89.7  | 100.4 | 129.7 | 22.3 | 19.3 |
| 16   | 175.3  | 173.9 | 276.4 | 220.5 | 106.1 | 125.8  | 114.6 | 82.6  | 86.1  | 112.8 | 20.8 | 16.3 |
| 17   | 139.6  | 182.1 | 210.6 | 300.8 | 100.7 | 114.9  | 101.3 | 75.5  | 76.4  | 85.2  | 20.0 | 14.0 |
| 18   | 111.9  | 164.2 | 190.8 | 160.7 | 88.7  | 102.5  | 86.1  | 70.2  | 70.2  | 79.9  | 20.0 | 14.0 |
| 19   | 103.0  | 125.8 | 179.3 | 100.4 | 83.5  | 97.2   | 71.9  | 67.5  | 58.6  | 72.8  | 23.0 | 14.0 |
| 20   | 87.0   | 109.6 | 218.3 | 152.3 | 81.8  | 92.1   | 70.2  | 59.5  | 56.9  | 56.0  | 27.5 | 14.0 |
| 21   | 79.0   | 150.6 | 186.6 | 367.4 | 81.8  | 93.8   | 69.3  | 58.6  | 56.0  | 60.4  | 23.0 | 13.3 |
| 22   | 72.8   | 210.9 | 239.2 | 524.6 | 73.5  | 97.2   | 67.5  | 56.9  | 53.3  | 54.2  | 20.0 | 13.3 |
| 23   | 110.2  | 270.0 | 200.7 | 476.6 | 66.9  | 100.7  | 58.6  | 56.0  | 64.0  | 48.9  | 19.3 | 13.3 |
| 24   | 95.0   | 243.3 | 190.8 | 370.2 | 63.7  | 97.2   | 54.2  | 54.2  | 69.3  | 45.4  | 17.8 | 13.3 |
| 25   | 71.9   | 281.4 | 185.6 | 239.2 | 85.2  | 92.1   | 50.7  | 97.7  | 67.5  | 58.6  | 17.0 | 12.5 |
| 26   | 56.0   | 202.7 | 212.8 | 208.4 | 120.3 | 85.2   | 48.9  | 80.8  | 55.1  | 53.3  | 26.8 | 12.5 |
| 27   | 58.6   | 152.5 | 395.4 | 153.3 | 102.5 | 88.7   | 48.1  | 68.4  | 66.6  | 45.4  | 32.5 | 12.5 |
| 28   | 61.3   | 124.0 | 558.5 | 136.0 | 85.2  | 97.2   | 47.2  | 56.9  | 119.9 | 41.0  | 27.5 | 11.8 |
| 29   | 54.2   |       | 479.4 | 118.2 | 76.8  | 109.6  | 47.2  | 52.5  | 261.3 | 39.3  | 24.5 | 11.8 |
| 30   | 90.6   |       | 270.4 | 119.9 | 66.9  | 102.5  | 65.7  | 48.1  | 209.5 | 36.6  | 23.0 | 11.1 |
| 31   | 113.7  |       | 190.8 |       | 65.2  |        | 70.2  | 53.3  |       | 35.7  |      | 9.6  |
| Mean | 229.3  | 149.5 | 226.2 | 170.8 | 150.5 | 194.5  | 164.1 | 77.7  | 94.1  | 88.7  | 25.7 | 16.7 |

| Year | : 1972 |       |       |       |      |       |       |        |       |       |       |       |
|------|--------|-------|-------|-------|------|-------|-------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun.  | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 11.1   | 25.3  | 121.7 | 114.6 | 30.0 | 20.0  | 41.0  | 51.6   | 325.5 | 272.8 | 112.8 | 124.4 |
| 2    | 13.3   | 27.5  | 107.5 | 106.6 | 30.0 | 20.0  | 39.3  | 48.1   | 278.8 | 202.9 | 118.2 | 117.3 |
| 3    | 11.1   | 30.8  | 91.5  | 109.3 | 31.6 | 19.3  | 38.4  | 263.5  | 229.3 | 282.6 | 104.8 | 184.5 |
| 4    | 15.5   | 26.0  | 81.7  | 115.5 | 29.2 | 19.3  | 47.2  | 848.5  | 189.8 | 500.0 | 102.1 | 300.8 |
| 5    | 23.8   | 20.0  | 76.4  | 110.2 | 28.4 | 19.3  | 61.3  | 478.0  | 256.8 | 416.4 | 79.9  | 230.4 |
| 6    | 117.3  | 18.5  | 95.0  | 101.3 | 27.5 | 41.0  | 43.7  | 280.0  | 408.0 | 384.2 | 72.8  | 176.3 |
| 7    | 85.2   | 14.0  | 166.5 | 79.9  | 26.0 | 61.3  | 87.9  | 212.8  | 373.0 | 313.8 | 65.7  | 153.3 |
| 8    | 42.8   | 14.8  | 131.5 | 71.0  | 25.3 | 50.7  | 116.4 | 168.4  | 308.6 | 277.6 | 79.0  | 129.7 |
| 9    | 33.3   | 16.3  | 148.7 | 65.7  | 25.3 | 38.4  | 80.8  | 142.3  | 280.0 | 213.9 | 104.8 | 119.9 |
| 10   | 26.0   | 44.5  | 169.3 | 59.5  | 26.0 | 30.0  | 56.0  | 127.1  | 240.3 | 196.3 | 95.0  | 115.5 |
| 11   | 20.8   | 121.7 | 139.6 | 57.8  | 26.0 | 28.4  | 52.5  | 104.8  | 223.8 | 163.6 | 83.5  | 92.4  |
| 12   | 19.3   | 269.2 | 107.5 | 55.1  | 26.0 | 32.5  | 49.8  | 96.8   | 196.3 | 157.0 | 83.5  | 73.7  |
| 13   | 18.5   | 360.4 | 85.2  | 49.8  | 26.0 | 47.2  | 46.3  | 93.2   | 181.3 | 130.6 | 113.7 | 64.0  |
| 14   | 24.5   | 401.0 | 69.3  | 47.2  | 25.3 | 70.2  | 43.7  | 80.8   | 169.3 | 103.9 | 215.0 | 55.1  |
| 15   | 23.8   | 363.2 | 59.5  | 62.2  | 25.3 | 61.3  | 52.5  | 71.0   | 150.5 | 132.4 | 195.2 | 46.3  |
| 16   | 21.5   | 269.2 | 51.6  | 71.0  | 24.5 | 60.4  | 74.6  | 70.2   | 113.7 | 176.3 | 170.3 | 41.0  |
| 17   | 20.0   | 235.9 | 45.4  | 58.6  | 24.5 | 115.5 | 101.3 | 66.6   | 103.0 | 150.5 | 154.2 | 39.3  |
| 18   | 26.0   | 491.0 | 70.2  | 50.7  | 23.8 | 234.8 | 175.3 | 58.6   | 210.6 | 122.6 | 180.3 | 34.1  |
| 19   | 34.1   | 867.5 | 102.1 | 45.4  | 23.8 | 515.0 | 243.6 | 56.0   | 406.6 | 103.0 | 185.6 | 32.5  |
| 20   | 55.1   | 834.7 | 83.5  | 41.9  | 23.8 | 332.0 | 121.7 | 43.7   | 339.8 | 89.7  | 176.3 | 43.7  |
| 21   | 119.9  | 480.8 | 64.8  | 40.1  | 23.8 | 202.9 | 98.6  | 40.1   | 290.4 | 79.0  | 148.7 | 64.8  |
| 22   | 120.8  | 300.8 | 57.8  | 37.5  | 23.0 | 125.3 | 79.0  | 51.6   | 243.6 | 69.3  | 138.7 | 106.6 |
| 23   | 103.0  | 182.4 | 54.2  | 36.6  | 23.0 | 100.4 | 70.2  | 62.2   | 226.0 | 61.3  | 129.7 | 79.0  |
| 24   | 76.4   | 137.8 | 47.2  | 35.7  | 23.0 | 87.9  | 64.8  | 62.2   | 198.5 | 60.4  | 124.4 | 102.1 |
| 25   | 56.9   | 108.4 | 44.5  | 35.7  | 23.0 | 75.5  | 62.2  | 290.4  | 166.5 | 66.6  | 108.4 | 300.8 |
| 26   | 38.4   | 112.8 | 48.1  | 35.7  | 23.0 | 63.1  | 59.5  | 940.0  | 160.7 | 74.6  | 103.9 | 115.5 |
| 27   | 31.6   | 173.3 | 59.5  | 40.1  | 22.3 | 54.2  | 56.9  | 1060.0 | 180.3 | 88.8  | 95.0  | 78.1  |
| 28   | 27.5   | 185.6 | 52.5  | 33.3  | 22.3 | 50.7  | 54.2  | 1197.5 | 253.5 | 116.4 | 91.5  | 65.7  |
| 29   | 31.6   | 154.2 | 75.5  | 32.5  | 21.5 | 48.9  | 54.2  | 1230.0 | 420.6 | 120.8 | 92.4  | 58.6  |
| 30   | 33.3   |       | 95.0  | 32.5  | 20.8 | 44.5  | 56.0  | 907.5  | 345.0 | 121.7 | 110.2 | 56.0  |
| 31   | 27.5   |       | 140.5 |       | 20.8 |       | 55.1  | 590.2  |       | 119.9 |       | 58.6  |
| Mean | 42.3   | 216.8 | 88.5  | 61.1  | 25.0 | 89.0  | 73.7  | 315.9  | 249.0 | 173.2 | 121.2 | 105.2 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (17/25)

| Year | : 1973 |       |       |       |       |       |        |        |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.   | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 66.6   | 178.3 | 68.4  | 41.1  | 79.9  | 57.8  | 218.3  | 89.7   | 349.2 | 146.8 | 72.8  | 35.7  |
| 2    | 67.5   | 151.4 | 63.1  | 41.1  | 57.8  | 56.9  | 231.5  | 86.1   | 287.8 | 141.4 | 114.6 | 34.9  |
| 3    | 83.5   | 110.2 | 102.1 | 39.8  | 53.3  | 56.0  | 208.4  | 83.5   | 250.2 | 123.5 | 154.2 | 36.6  |
| 4    | 100.4  | 101.3 | 115.5 | 38.5  | 52.5  | 54.2  | 189.8  | 82.6   | 300.8 | 121.7 | 103.9 | 44.5  |
| 5    | 110.2  | 128.8 | 99.5  | 39.8  | 56.9  | 52.5  | 145.0  | 79.9   | 311.2 | 113.7 | 79.9  | 44.5  |
| 6    | 82.6   | 108.4 | 94.1  | 43.8  | 99.5  | 50.7  | 95.0   | 73.7   | 265.8 | 101.3 | 76.4  | 40.1  |
| 7    | 67.5   | 99.5  | 52.5  | 41.1  | 146.8 | 47.2  | 71.9   | 66.6   | 246.9 | 91.5  | 71.9  | 48.9  |
| 8    | 69.3   | 79.9  | 60.4  | 38.5  | 108.4 | 45.4  | 63.1   | 64.8   | 230.4 | 86.1  | 64.8  | 87.9  |
| 9    | 100.4  | 74.6  | 92.4  | 33.8  | 92.4  | 60.4  | 55.1   | 60.4   | 204.0 | 80.8  | 55.1  | 77.2  |
| 10   | 69.3   | 65.7  | 140.5 | 38.5  | 86.1  | 79.9  | 54.2   | 58.6   | 172.3 | 77.2  | 54.2  | 51.6  |
| 11   | 71.0   | 61.3  | 100.4 | 37.2  | 67.5  | 61.3  | 53.3   | 59.5   | 150.5 | 120.8 | 54.2  | 46.3  |
| 12   | 72.8   | 70.2  | 88.8  | 34.9  | 62.2  | 57.8  | 54.2   | 107.5  | 195.2 | 156.0 | 52.5  | 41.9  |
| 13   | 99.5   | 76.4  | 68.4  | 34.9  | 59.5  | 57.8  | 54.2   | 614.0  | 166.5 | 147.8 | 52.5  | 37.5  |
| 14   | 82.6   | 101.3 | 61.3  | 33.8  | 56.9  | 49.8  | 53.3   | 478.0  | 151.4 | 106.6 | 51.6  | 40.1  |
| 15   | 93.2   | 157.9 | 49.8  | 32.6  | 53.3  | 43.7  | 52.5   | 384.2  | 281.3 | 93.2  | 50.7  | 47.2  |
| 16   | 87.0   | 224.9 | 43.7  | 32.6  | 49.8  | 37.5  | 51.6   | 325.5  | 300.8 | 85.2  | 48.9  | 42.8  |
| 17   | 70.2   | 256.8 | 41.9  | 32.6  | 41.0  | 34.9  | 49.8   | 295.6  | 307.3 | 82.6  | 48.9  | 41.0  |
| 18   | 61.3   | 205.1 | 39.3  | 56.3  | 34.9  | 174.3 | 48.1   | 230.4  | 359.0 | 79.9  | 95.0  | 35.7  |
| 19   | 49.8   | 151.4 | 36.6  | 166.1 | 33.3  | 268.0 | 49.8   | 207.3  | 303.4 | 78.1  | 139.6 | 41.9  |
| 20   | 50.7   | 120.8 | 59.5  | 178.0 | 31.6  | 194.1 | 52.5   | 160.7  | 378.6 | 75.5  | 121.7 | 92.4  |
| 21   | 68.4   | 138.7 | 53.3  | 124.0 | 286.5 | 98.6  | 190.8  | 270.4  | 430.4 | 71.9  | 88.8  | 76.4  |
| 22   | 102.1  | 113.7 | 50.7  | 92.1  | 462.6 | 78.1  | 1065.0 | 537.4  | 380.0 | 71.0  | 70.2  | 62.2  |
| 23   | 123.5  | 131.5 | 59.5  | 75.2  | 248.0 | 84.3  | 781.0  | 464.0  | 304.7 | 80.8  | 57.8  | 49.8  |
| 24   | 100.4  | 159.8 | 71.0  | 60.8  | 150.5 | 410.8 | 401.0  | 430.4  | 239.2 | 85.2  | 60.4  | 46.3  |
| 25   | 215.0  | 103.0 | 60.4  | 53.3  | 146.8 | 792.0 | 275.2  | 370.2  | 204.0 | 79.0  | 71.0  | 76.4  |
| 26   | 309.9  | 78.1  | 52.5  | 51.8  | 110.2 | 560.2 | 260.2  | 422.0  | 190.8 | 71.9  | 65.7  | 83.5  |
| 27   | 316.4  | 74.6  | 49.8  | 50.3  | 100.4 | 375.8 | 270.4  | 570.1  | 179.3 | 68.4  | 56.0  | 65.7  |
| 28   | 201.8  | 77.2  | 44.5  | 50.3  | 89.7  | 296.9 | 241.4  | 1037.5 | 174.3 | 61.3  | 48.1  | 57.8  |
| 29   | 160.7  |       | 42.8  | 53.3  | 72.8  | 250.2 | 204.0  | 965.0  | 156.0 | 55.1  | 40.1  | 53.3  |
| 30   | 182.4  |       | 41.9  | 71.8  | 63.1  | 219.4 | 143.2  | 686.1  | 150.5 | 53.3  | 37.5  | 57.8  |
| 31   | 177.3  |       | 39.3  |       | 59.5  |       | 111.0  | 485.0  |       | 60.4  |       | 128.0 |
| Mean | 113.3  | 121.5 | 65.9  | 57.3  | 100.4 | 156.9 | 186.9  | 317.6  | 254.1 | 92.5  | 72.0  | 55.7  |

| Year | : 1974 |       |       |      |      |       |       |       |       |       |       |      |
|------|--------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May  | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec. |
| 1    | 146.8  | 81.7  | 173.3 | 69.3 | 47.7 | 20.8  | 35.7  | 78.1  | 360.4 | 38.5  | 68.4  | 34.9 |
| 2    | 182.4  | 71.0  | 142.3 | 62.2 | 45.1 | 19.3  | 34.9  | 72.8  | 289.1 | 37.2  | 42.8  | 31.6 |
| 3    | 155.1  | 68.4  | 149.6 | 57.8 | 42.4 | 18.5  | 34.1  | 56.0  | 201.8 | 34.9  | 40.1  | 30.8 |
| 4    | 107.5  | 77.2  | 181.3 | 52.5 | 39.8 | 17.0  | 34.1  | 53.3  | 170.3 | 37.2  | 38.4  | 30.8 |
| 5    | 71.0   | 127.1 | 177.3 | 48.1 | 37.2 | 16.3  | 33.3  | 52.5  | 174.3 | 43.8  | 56.9  | 29.2 |
| 6    | 58.6   | 126.2 | 202.9 | 47.2 | 34.9 | 15.5  | 29.2  | 53.3  | 281.3 | 42.4  | 175.3 | 26.8 |
| 7    | 70.2   | 122.6 | 196.3 | 45.4 | 33.8 | 28.4  | 27.5  | 45.4  | 306.0 | 39.8  | 109.3 | 25.3 |
| 8    | 104.8  | 89.7  | 162.6 | 42.8 | 32.6 | 50.7  | 27.5  | 41.0  | 213.9 | 37.2  | 78.1  | 23.0 |
| 9    | 304.7  | 67.5  | 108.4 | 41.0 | 32.6 | 83.5  | 26.8  | 38.4  | 156.0 | 34.9  | 46.3  | 22.3 |
| 10   | 313.8  | 61.3  | 97.7  | 40.1 | 37.2 | 103.0 | 26.8  | 35.7  | 143.2 | 32.6  | 39.3  | 24.5 |
| 11   | 201.8  | 48.1  | 101.3 | 38.4 | 36.0 | 92.4  | 26.0  | 34.1  | 123.5 | 31.5  | 37.5  | 24.5 |
| 12   | 210.6  | 44.5  | 128.0 | 36.6 | 33.8 | 64.0  | 26.0  | 34.1  | 95.0  | 30.3  | 36.6  | 24.5 |
| 13   | 152.3  | 41.0  | 137.8 | 34.9 | 31.5 | 46.3  | 25.3  | 34.1  | 78.1  | 28.0  | 37.5  | 23.8 |
| 14   | 103.0  | 39.3  | 129.7 | 34.1 | 29.2 | 39.3  | 24.5  | 32.5  | 71.0  | 26.9  | 37.5  | 23.8 |
| 15   | 119.1  | 43.7  | 110.2 | 32.5 | 29.2 | 32.5  | 23.8  | 30.8  | 69.3  | 25.7  | 35.7  | 23.0 |
| 16   | 98.6   | 50.7  | 95.0  | 29.2 | 29.2 | 31.6  | 23.8  | 30.0  | 53.3  | 24.8  | 30.0  | 21.5 |
| 17   | 81.7   | 70.2  | 154.2 | 29.2 | 28.0 | 64.0  | 23.8  | 27.5  | 48.9  | 25.7  | 29.2  | 20.0 |
| 18   | 75.5   | 90.6  | 135.1 | 31.6 | 28.0 | 79.9  | 23.0  | 27.5  | 46.3  | 25.7  | 28.4  | 21.5 |
| 19   | 67.5   | 110.2 | 104.8 | 29.2 | 29.2 | 64.8  | 22.3  | 27.5  | 45.4  | 24.8  | 35.7  | 23.0 |
| 20   | 70.2   | 158.8 | 97.7  | 29.2 | 31.5 | 48.1  | 23.0  | 26.8  | 44.5  | 23.9  | 103.0 | 28.4 |
| 21   | 110.2  | 166.5 | 88.8  | 29.2 | 33.8 | 44.5  | 43.7  | 26.0  | 39.3  | 22.9  | 174.3 | 26.8 |
| 22   | 103.0  | 187.6 | 97.7  | 38.4 | 31.5 | 61.3  | 118.2 | 25.3  | 37.5  | 22.9  | 148.7 | 25.3 |
| 23   | 78.1   | 231.5 | 156.0 | 41.0 | 29.2 | 72.8  | 224.9 | 24.5  | 37.5  | 22.9  | 87.9  | 23.0 |
| 24   | 64.8   | 304.7 | 212.8 | 39.3 | 26.9 | 62.2  | 312.5 | 24.5  | 36.6  | 28.0  | 64.0  | 20.8 |
| 25   | 62.2   | 409.4 | 234.8 | 45.4 | 26.9 | 50.7  | 319.0 | 24.5  | 36.6  | 60.8  | 56.9  | 20.0 |
| 26   | 66.6   | 343.7 | 216.1 | 53.3 | 28.0 | 54.2  | 246.9 | 23.8  | 35.7  | 80.1  | 48.9  | 19.3 |
| 27   | 128.8  | 261.3 | 190.8 | 48.9 | 29.2 | 52.5  | 178.3 | 21.5  | 42.8  | 170.0 | 43.7  | 19.3 |
| 28   | 115.5  | 212.8 | 174.3 | 43.7 | 30.3 | 49.8  | 132.4 | 20.0  | 40.1  | 164.2 | 36.6  | 26.0 |
| 29   | 93.2   |       | 126.2 | 40.1 | 28.0 | 43.7  | 89.7  | 21.5  | 34.1  | 133.2 | 35.7  | 28.4 |
| 30   | 107.5  |       | 92.4  | 38.4 | 26.9 | 38.4  | 80.8  | 25.3  | 33.3  | 104.3 | 34.9  | 37.5 |
| 31   | 103.9  |       | 76.4  |      | 25.7 |       | 79.0  | 124.4 |       | 65.2  |       | 76.4 |
| Mean | 120.3  | 132.4 | 143.6 | 41.6 | 32.4 | 48.9  | 76.7  | 38.5  | 111.5 | 49.0  | 61.3  | 27.0 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (18/25)

| Year | : 1975 |       |       |       |       |       |      |       |       |        |       |       |
|------|--------|-------|-------|-------|-------|-------|------|-------|-------|--------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul. | Aug.  | Sep.  | Oct.   | Nov.  | Dec.  |
| 1    | 113.7  | 48.1  | 104.8 | 102.5 | 30.0  | 30.8  | 42.8 | 28.4  | 217.2 | 491.0  | 86.1  | 169.3 |
| 2    | 83.5   | 84.3  | 79.9  | 90.4  | 48.9  | 35.7  | 36.6 | 27.5  | 384.2 | 753.2  | 86.1  | 190.8 |
| 3    | 59.5   | 71.9  | 61.3  | 60.8  | 41.9  | 70.2  | 34.1 | 27.5  | 281.3 | 1070.0 | 83.5  | 256.8 |
| 4    | 43.7   | 55.1  | 56.0  | 56.3  | 35.7  | 95.0  | 33.3 | 26.8  | 229.3 | 814.0  | 80.8  | 262.4 |
| 5    | 32.5   | 41.9  | 106.6 | 60.8  | 29.2  | 82.6  | 34.9 | 25.3  | 188.7 | 488.0  | 75.5  | 277.6 |
| 6    | 30.0   | 38.4  | 111.9 | 54.8  | 27.5  | 81.7  | 41.0 | 150.5 | 152.3 | 401.0  | 71.0  | 299.5 |
| 7    | 37.5   | 31.6  | 115.5 | 50.3  | 25.3  | 114.6 | 46.3 | 230.4 | 135.1 | 354.8  | 64.8  | 384.2 |
| 8    | 67.5   | 30.0  | 147.8 | 47.7  | 23.8  | 114.6 | 40.1 | 300.8 | 210.6 | 280.0  | 57.8  | 408.0 |
| 9    | 156.0  | 29.2  | 183.4 | 46.4  | 22.3  | 71.9  | 38.4 | 328.1 | 262.4 | 260.2  | 49.8  | 398.2 |
| 10   | 105.7  | 26.0  | 166.5 | 43.8  | 20.8  | 56.0  | 36.6 | 485.0 | 200.7 | 241.4  | 46.3  | 488.0 |
| 11   | 128.8  | 25.3  | 128.0 | 39.8  | 20.0  | 45.4  | 33.3 | 342.4 | 527.8 | 219.4  | 44.5  | 429.0 |
| 12   | 114.6  | 23.0  | 92.4  | 39.8  | 20.8  | 75.5  | 30.8 | 256.8 | 857.7 | 230.4  | 44.5  | 380.0 |
| 13   | 83.5   | 22.3  | 90.6  | 38.5  | 21.5  | 95.0  | 28.4 | 199.6 | 925.0 | 244.7  | 42.8  | 519.8 |
| 14   | 59.5   | 29.2  | 87.9  | 37.2  | 22.3  | 72.8  | 26.8 | 174.3 | 495.5 | 298.2  | 41.0  | 452.8 |
| 15   | 56.0   | 25.3  | 72.8  | 39.8  | 23.8  | 57.8  | 34.1 | 170.3 | 313.8 | 443.0  | 39.3  | 337.2 |
| 16   | 60.4   | 22.3  | 64.8  | 41.1  | 35.7  | 51.6  | 58.6 | 165.5 | 276.4 | 322.9  | 38.4  | 299.5 |
| 17   | 79.9   | 30.8  | 63.1  | 41.1  | 65.7  | 41.9  | 98.6 | 145.0 | 227.1 | 271.6  | 37.5  | 274.0 |
| 18   | 61.3   | 50.7  | 71.9  | 37.2  | 185.6 | 43.7  | 78.1 | 132.4 | 223.8 | 206.2  | 90.6  | 251.3 |
| 19   | 55.1   | 48.1  | 78.1  | 33.8  | 158.8 | 49.8  | 52.5 | 108.4 | 216.1 | 187.6  | 72.8  | 232.6 |
| 20   | 42.8   | 39.3  | 84.3  | 31.5  | 109.3 | 51.6  | 45.4 | 99.5  | 208.4 | 157.0  | 70.2  | 221.6 |
| 21   | 34.1   | 32.5  | 122.6 | 28.0  | 75.5  | 54.2  | 44.5 | 83.5  | 291.7 | 117.3  | 95.0  | 219.4 |
| 22   | 29.2   | 34.1  | 257.9 | 26.9  | 55.1  | 50.7  | 42.8 | 69.3  | 354.8 | 115.5  | 91.5  | 200.7 |
| 23   | 26.0   | 31.6  | 216.1 | 25.7  | 46.3  | 47.2  | 37.5 | 63.1  | 438.8 | 98.6   | 84.3  | 234.8 |
| 24   | 22.3   | 30.8  | 185.6 | 26.9  | 40.1  | 52.5  | 30.8 | 56.0  | 464.0 | 94.1   | 99.5  | 235.9 |
| 25   | 20.0   | 34.9  | 196.3 | 28.0  | 37.5  | 48.9  | 33.3 | 53.3  | 370.2 | 90.6   | 169.3 | 185.6 |
| 26   | 23.8   | 43.7  | 178.3 | 25.7  | 35.7  | 47.2  | 34.9 | 51.6  | 329.4 | 83.5   | 229.3 | 173.3 |
| 27   | 29.2   | 101.3 | 157.0 | 24.8  | 36.6  | 40.1  | 31.6 | 48.1  | 293.0 | 81.7   | 189.8 | 180.3 |
| 28   | 63.1   | 195.2 | 150.5 | 24.8  | 36.6  | 36.6  | 30.8 | 41.9  | 298.2 | 80.8   | 178.3 | 188.7 |
| 29   | 58.6   |       | 113.7 | 24.8  | 32.5  | 30.8  | 30.8 | 35.7  | 306.0 | 76.4   | 157.9 | 182.4 |
| 30   | 50.7   |       | 157.9 | 26.9  | 32.5  | 50.7  | 29.2 | 34.1  | 388.4 | 71.9   | 165.5 | 126.2 |
| 31   | 41.0   |       | 138.7 |       | 31.6  |       | 29.2 | 86.1  |       | 69.3   |       | 100.4 |
| Mean | 60.3   | 45.6  | 123.9 | 41.9  | 46.1  | 59.9  | 40.2 | 130.6 | 335.6 | 281.1  | 89.5  | 276.1 |

| Year | : 1976 |       |       |      |       |       |       |       |       |       |       |       |
|------|--------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 103.9  | 87.0  | 56.9  | 62.2 | 32.5  | 341.1 | 60.4  | 198.5 | 61.3  | 45.4  | 78.1  | 336.6 |
| 2    | 96.8   | 119.9 | 53.3  | 56.9 | 29.2  | 329.4 | 55.1  | 193.0 | 61.3  | 43.7  | 77.2  | 598.8 |
| 3    | 78.1   | 130.6 | 52.5  | 51.6 | 27.5  | 260.2 | 56.9  | 178.3 | 56.9  | 42.8  | 58.6  | 441.3 |
| 4    | 81.7   | 113.7 | 116.4 | 49.8 | 27.5  | 227.1 | 62.2  | 178.3 | 71.9  | 43.7  | 70.2  | 281.4 |
| 5    | 97.7   | 85.2  | 223.8 | 48.9 | 26.8  | 296.9 | 64.0  | 226.0 | 110.2 | 49.8  | 83.5  | 241.2 |
| 6    | 94.1   | 69.3  | 339.8 | 61.3 | 26.8  | 443.0 | 56.9  | 298.2 | 171.3 | 60.4  | 105.7 | 243.3 |
| 7    | 101.3  | 60.4  | 248.0 | 66.6 | 26.0  | 369.8 | 52.5  | 290.4 | 240.3 | 49.8  | 164.5 | 232.5 |
| 8    | 149.6  | 43.7  | 191.9 | 63.1 | 26.0  | 270.4 | 50.7  | 270.4 | 312.5 | 46.3  | 116.4 | 319.2 |
| 9    | 173.3  | 50.7  | 147.8 | 58.6 | 26.0  | 226.0 | 72.8  | 375.8 | 293.0 | 45.4  | 94.1  | 388.7 |
| 10   | 125.3  | 48.1  | 102.1 | 56.0 | 29.2  | 191.9 | 69.3  | 628.4 | 231.5 | 56.0  | 75.5  | 279.1 |
| 11   | 170.3  | 43.7  | 166.5 | 55.1 | 107.5 | 207.3 | 56.0  | 524.6 | 200.7 | 48.1  | 64.8  | 225.9 |
| 12   | 311.2  | 41.9  | 103.0 | 54.2 | 92.4  | 253.5 | 50.7  | 433.2 | 152.3 | 42.8  | 59.5  | 170.0 |
| 13   | 472.4  | 35.7  | 107.5 | 51.6 | 56.0  | 215.0 | 53.3  | 296.9 | 138.7 | 41.0  | 56.9  | 127.7 |
| 14   | 452.8  | 35.7  | 103.0 | 48.1 | 86.1  | 191.9 | 68.4  | 243.6 | 118.2 | 38.4  | 53.3  | 102.5 |
| 15   | 374.4  | 35.7  | 109.3 | 43.7 | 103.9 | 157.0 | 64.8  | 198.5 | 109.3 | 37.5  | 50.7  | 88.7  |
| 16   | 325.5  | 35.7  | 111.9 | 41.0 | 133.3 | 152.3 | 62.2  | 170.3 | 97.7  | 83.5  | 48.9  | 81.8  |
| 17   | 252.4  | 35.7  | 116.4 | 41.0 | 93.2  | 120.8 | 56.9  | 133.3 | 94.1  | 184.5 | 47.2  | 78.5  |
| 18   | 176.3  | 40.1  | 102.1 | 40.1 | 65.7  | 104.8 | 55.1  | 135.1 | 88.8  | 170.3 | 43.7  | 70.2  |
| 19   | 145.0  | 56.0  | 168.4 | 38.4 | 54.2  | 99.5  | 43.7  | 198.5 | 82.6  | 199.6 | 41.9  | 65.2  |
| 20   | 134.2  | 57.8  | 145.0 | 36.6 | 49.8  | 95.9  | 36.6  | 196.3 | 75.5  | 144.1 | 41.0  | 66.9  |
| 21   | 128.0  | 68.4  | 168.4 | 38.4 | 55.1  | 94.1  | 47.2  | 157.9 | 64.8  | 106.6 | 57.8  | 76.8  |
| 22   | 121.7  | 83.5  | 141.4 | 36.6 | 57.8  | 88.8  | 43.7  | 137.8 | 63.1  | 82.6  | 62.2  | 81.8  |
| 23   | 103.9  | 63.1  | 112.8 | 33.3 | 87.9  | 82.6  | 41.9  | 117.3 | 62.2  | 69.3  | 52.5  | 107.8 |
| 24   | 95.9   | 65.7  | 96.8  | 31.6 | 64.0  | 76.4  | 40.1  | 100.4 | 60.4  | 67.5  | 48.1  | 175.9 |
| 25   | 92.4   | 90.6  | 90.6  | 31.6 | 79.9  | 74.6  | 38.4  | 98.6  | 59.5  | 70.2  | 43.7  | 142.8 |
| 26   | 140.5  | 77.2  | 83.5  | 30.0 | 111.9 | 71.9  | 70.2  | 96.8  | 57.8  | 93.2  | 49.8  | 100.7 |
| 27   | 167.4  | 57.8  | 88.8  | 29.2 | 216.1 | 69.3  | 250.2 | 74.6  | 53.3  | 112.8 | 47.2  | 109.6 |
| 28   | 166.5  | 47.2  | 107.5 | 26.0 | 459.8 | 75.5  | 198.5 | 53.3  | 51.6  | 112.8 | 45.4  | 124.0 |
| 29   | 157.9  | 60.4  | 93.2  | 24.5 | 550.3 | 69.3  | 186.6 | 52.5  | 48.9  | 103.9 | 41.0  | 114.9 |
| 30   | 136.0  |       | 72.8  | 22.3 | 573.4 | 64.8  | 167.4 | 56.0  | 47.2  | 89.7  | 37.5  | 86.9  |
| 31   | 105.7  |       | 66.6  |      | 402.4 |       | 216.1 | 70.2  |       | 82.6  |       | 71.8  |
| Mean | 172.0  | 63.5  | 125.4 | 44.3 | 121.9 | 177.3 | 79.0  | 205.9 | 111.2 | 79.5  | 63.9  | 181.7 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (19/25)

| Year | : 1977 |       |       |       |      |      |       |        |       |       |       |       |
|------|--------|-------|-------|-------|------|------|-------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun. | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 50.6   | 211.6 | 71.9  | 219.3 | 65.7 | 26.7 | 31.6  | 57.7   | 130.6 | 113.7 | 160.6 | 96.8  |
| 2    | 51.5   | 186.5 | 128.8 | 214.9 | 55.1 | 26.0 | 29.1  | 119.9  | 121.7 | 278.0 | 170.2 | 85.2  |
| 3    | 71.0   | 159.7 | 167.4 | 178.2 | 44.5 | 26.0 | 27.5  | 111.0  | 112.8 | 308.5 | 210.5 | 79.0  |
| 4    | 101.2  | 263.5 | 146.8 | 149.5 | 41.8 | 25.2 | 26.7  | 77.2   | 99.4  | 269.2 | 235.8 | 74.5  |
| 5    | 171.2  | 246.9 | 189.7 | 117.2 | 37.4 | 25.2 | 26.7  | 54.2   | 88.7  | 239.1 | 177.2 | 72.8  |
| 6    | 210.5  | 423.3 | 158.8 | 100.3 | 35.7 | 23.7 | 26.0  | 50.6   | 80.7  | 211.6 | 163.5 | 71.0  |
| 7    | 198.4  | 556.8 | 156.0 | 82.5  | 39.2 | 23.0 | 25.2  | 39.2   | 91.4  | 174.2 | 155.1 | 171.2 |
| 8    | 164.5  | 485.0 | 153.2 | 81.6  | 40.1 | 23.0 | 24.5  | 41.0   | 153.2 | 145.9 | 177.2 | 170.2 |
| 9    | 141.3  | 452.7 | 148.6 | 87.9  | 51.5 | 25.2 | 24.5  | 39.2   | 158.8 | 108.3 | 233.6 | 151.3 |
| 10   | 134.1  | 406.5 | 133.2 | 95.0  | 49.8 | 25.2 | 23.0  | 35.7   | 103.0 | 87.9  | 290.5 | 97.6  |
| 11   | 135.0  | 494.0 | 100.3 | 104.8 | 53.3 | 23.0 | 22.2  | 38.3   | 91.4  | 98.5  | 410.7 | 84.3  |
| 12   | 135.9  | 473.7 | 72.8  | 90.5  | 62.1 | 21.5 | 21.5  | 44.5   | 80.7  | 124.3 | 489.5 | 99.4  |
| 13   | 167.4  | 382.7 | 66.6  | 69.2  | 73.6 | 23.7 | 20.7  | 37.4   | 75.4  | 167.4 | 543.7 | 108.3 |
| 14   | 235.8  | 330.6 | 66.6  | 57.7  | 63.0 | 26.7 | 20.7  | 35.7   | 66.6  | 188.6 | 431.7 | 101.2 |
| 15   | 406.5  | 273.0 | 84.3  | 51.5  | 47.1 | 26.0 | 20.0  | 41.0   | 53.3  | 210.5 | 311.1 | 95.0  |
| 16   | 422.0  | 238.0 | 93.2  | 53.3  | 40.1 | 24.5 | 26.7  | 170.2  | 55.9  | 389.7 | 263.5 | 87.9  |
| 17   | 416.3  | 198.4 | 92.3  | 50.6  | 34.9 | 23.7 | 26.0  | 955.0  | 78.1  | 689.5 | 217.1 | 79.8  |
| 18   | 551.9  | 181.3 | 75.4  | 59.5  | 32.4 | 23.0 | 23.0  | 1035.0 | 105.7 | 617.5 | 166.4 | 74.5  |
| 19   | 725.2  | 172.2 | 68.3  | 79.0  | 31.6 | 23.0 | 20.0  | 857.7  | 105.7 | 550.2 | 130.6 | 66.6  |
| 20   | 605.5  | 140.4 | 63.0  | 78.1  | 29.9 | 33.2 | 20.0  | 677.7  | 86.1  | 443.0 | 109.2 | 60.4  |
| 21   | 515.0  | 113.7 | 67.4  | 63.9  | 29.1 | 36.6 | 19.2  | 489.5  | 79.0  | 389.7 | 102.1 | 53.3  |
| 22   | 402.3  | 81.6  | 141.3 | 68.3  | 28.3 | 41.0 | 18.5  | 424.7  | 71.0  | 378.5 | 86.1  | 46.2  |
| 23   | 343.6  | 73.6  | 145.9 | 69.2  | 50.6 | 39.2 | 43.6  | 396.7  | 64.8  | 366.0 | 77.2  | 44.5  |
| 24   | 286.7  | 70.1  | 139.5 | 59.5  | 76.3 | 37.4 | 82.5  | 375.7  | 78.1  | 345.0 | 104.8 | 38.3  |
| 25   | 325.5  | 68.3  | 147.7 | 52.4  | 64.8 | 35.7 | 143.2 | 398.1  | 81.6  | 319.0 | 136.8 | 36.6  |
| 26   | 276.7  | 67.4  | 136.8 | 44.5  | 48.0 | 35.7 | 95.9  | 332.0  | 71.9  | 288.0 | 172.2 | 35.7  |
| 27   | 259.1  | 67.4  | 120.8 | 41.8  | 34.9 | 34.9 | 61.3  | 263.5  | 62.1  | 266.8 | 179.2 | 35.7  |
| 28   | 244.6  | 65.7  | 102.1 | 40.1  | 29.1 | 34.0 | 44.5  | 211.6  | 55.9  | 241.3 | 114.6 | 35.7  |
| 29   | 264.6  |       | 135.9 | 39.2  | 29.1 | 33.2 | 42.7  | 189.7  | 62.1  | 194.0 | 79.0  | 34.9  |
| 30   | 213.8  |       | 183.4 | 51.5  | 27.5 | 32.4 | 38.3  | 177.2  | 73.6  | 209.4 | 63.9  | 34.9  |
| 31   | 223.7  |       | 207.2 |       | 27.5 |      | 35.7  | 168.3  |       | 216.0 |       | 34.0  |
| Mean | 272.6  | 245.9 | 121.5 | 85.0  | 44.3 | 28.6 | 35.8  | 256.3  | 88.0  | 278.4 | 205.5 | 76.0  |

| Year | : 1978 |       |       |      |      |      |       |       |       |       |       |       |
|------|--------|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May  | Jun. | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 35.7   | 110.1 | 31.6  | 34.0 | 18.5 | 11.5 | 15.8  | 37.5  | 24.8  | 39.0  | 128.2 | 41.2  |
| 2    | 41.0   | 85.2  | 42.7  | 32.4 | 20.0 | 11.5 | 15.2  | 36.8  | 24.8  | 34.7  | 114.2 | 36.8  |
| 3    | 44.5   | 116.3 | 161.6 | 32.4 | 20.7 | 10.4 | 15.2  | 34.7  | 56.3  | 33.4  | 83.0  | 34.7  |
| 4    | 41.0   | 126.1 | 189.7 | 32.4 | 19.2 | 10.4 | 15.8  | 31.3  | 225.6 | 31.3  | 122.0 | 36.1  |
| 5    | 36.6   | 87.0  | 143.2 | 31.6 | 19.2 | 9.9  | 16.4  | 30.0  | 265.9 | 30.6  | 136.4 | 41.2  |
| 6    | 33.2   | 81.6  | 84.3  | 30.8 | 19.2 | 9.9  | 15.2  | 28.0  | 221.3 | 29.3  | 103.2 | 64.1  |
| 7    | 30.8   | 73.6  | 54.2  | 30.8 | 18.5 | 10.4 | 14.6  | 26.1  | 161.8 | 28.0  | 81.2  | 68.0  |
| 8    | 117.2  | 57.7  | 50.6  | 29.9 | 17.0 | 38.2 | 14.0  | 24.8  | 111.6 | 26.7  | 66.4  | 60.2  |
| 9    | 116.3  | 51.5  | 44.5  | 29.1 | 15.5 | 56.3 | 13.4  | 24.8  | 101.6 | 25.4  | 59.5  | 45.7  |
| 10   | 103.9  | 42.7  | 40.1  | 27.5 | 15.5 | 34.7 | 12.8  | 24.1  | 83.9  | 26.1  | 57.9  | 48.7  |
| 11   | 76.3   | 38.3  | 99.4  | 24.5 | 14.7 | 23.5 | 12.8  | 23.5  | 68.0  | 30.0  | 52.5  | 40.5  |
| 12   | 73.6   | 43.6  | 208.3 | 23.7 | 14.7 | 17.6 | 12.8  | 28.7  | 60.2  | 29.3  | 46.5  | 35.4  |
| 13   | 67.4   | 41.8  | 160.6 | 23.7 | 14.7 | 17.0 | 12.8  | 91.1  | 53.2  | 26.7  | 42.0  | 32.0  |
| 14   | 61.3   | 54.2  | 132.4 | 23.0 | 14.0 | 16.4 | 12.2  | 117.6 | 52.5  | 26.7  | 38.2  | 30.6  |
| 15   | 51.5   | 59.5  | 118.1 | 23.0 | 14.7 | 15.8 | 12.2  | 79.5  | 205.3 | 32.7  | 37.5  | 30.6  |
| 16   | 45.4   | 44.5  | 112.8 | 21.5 | 19.2 | 15.2 | 12.2  | 57.1  | 282.1 | 31.3  | 36.1  | 34.7  |
| 17   | 38.3   | 48.9  | 106.5 | 20.7 | 21.5 | 16.4 | 12.8  | 48.0  | 202.2 | 27.4  | 37.5  | 97.5  |
| 18   | 36.6   | 39.2  | 75.4  | 20.7 | 20.7 | 15.2 | 23.5  | 41.2  | 193.8 | 25.4  | 39.0  | 70.3  |
| 19   | 60.4   | 34.0  | 49.8  | 20.7 | 20.0 | 14.6 | 42.7  | 36.1  | 151.3 | 100.7 | 63.3  | 51.0  |
| 20   | 89.6   | 29.9  | 47.1  | 20.7 | 18.5 | 15.2 | 44.2  | 34.0  | 89.5  | 283.3 | 122.9 | 43.5  |
| 21   | 145.9  | 41.8  | 44.5  | 20.0 | 17.0 | 31.3 | 95.9  | 38.2  | 75.1  | 243.3 | 115.9 | 35.4  |
| 22   | 99.4   | 64.8  | 43.6  | 19.2 | 16.2 | 39.0 | 153.2 | 45.0  | 66.4  | 178.6 | 188.7 | 30.6  |
| 23   | 111.9  | 78.1  | 42.7  | 19.2 | 15.5 | 32.7 | 194.9 | 39.0  | 58.7  | 124.7 | 171.7 | 28.0  |
| 24   | 110.1  | 62.1  | 41.8  | 18.5 | 14.7 | 25.4 | 193.8 | 34.0  | 53.2  | 85.5  | 121.2 | 28.0  |
| 25   | 55.9   | 45.4  | 42.7  | 18.5 | 13.4 | 21.5 | 151.3 | 31.3  | 48.0  | 67.2  | 91.1  | 55.6  |
| 26   | 93.2   | 36.6  | 44.5  | 18.5 | 12.8 | 22.2 | 109.0 | 28.7  | 45.7  | 84.7  | 76.0  | 669.5 |
| 27   | 190.7  | 33.2  | 51.5  | 17.7 | 12.8 | 21.5 | 77.7  | 28.0  | 43.5  | 74.3  | 66.4  | 474.3 |
| 28   | 146.8  | 32.4  | 74.5  | 17.7 | 12.8 | 18.9 | 61.8  | 26.1  | 42.0  | 71.1  | 57.9  | 257.9 |
| 29   | 101.2  |       | 59.5  | 17.7 | 12.2 | 17.0 | 52.5  | 24.8  | 45.0  | 60.2  | 50.2  | 256.8 |
| 30   | 80.7   |       | 43.6  | 17.7 | 12.2 | 16.4 | 45.7  | 26.1  | 43.5  | 52.5  | 44.2  | 336.6 |
| 31   | 103.0  |       | 38.3  |      | 12.2 |      | 39.7  | 25.4  |       | 61.8  |       | 326.7 |
| Mean | 78.7   | 59.3  | 80.0  | 23.9 | 16.4 | 20.5 | 49.1  | 38.8  | 105.2 | 65.2  | 81.7  | 111.0 |



# DAILY MEAN DISCHARGE AT RIO DO SUL (20/25)

Year : 1979

| Day  | Jan.  | Feb. | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 261.3 | 17.6 | 34.0  | 29.3  | 31.3  | 59.5  | 34.0  | 37.5  | 44.2  | 195.9 | 373.3 | 99.9  |
| 2    | 120.3 | 16.4 | 30.6  | 15.2  | 28.0  | 52.5  | 32.7  | 35.4  | 57.9  | 386.3 | 329.2 | 134.5 |
| 3    | 111.6 | 16.4 | 28.0  | 26.1  | 26.1  | 49.5  | 48.0  | 42.7  | 57.1  | 491.3 | 320.5 | 112.5 |
| 4    | 103.2 | 14.6 | 26.7  | 65.6  | 46.5  | 46.5  | 61.8  | 36.1  | 49.5  | 419.4 | 246.6 | 161.8 |
| 5    | 79.5  | 13.4 | 22.8  | 78.6  | 81.2  | 45.0  | 45.0  | 34.7  | 48.0  | 386.3 | 175.6 | 247.7 |
| 6    | 66.4  | 14.6 | 20.8  | 158.0 | 61.0  | 48.7  | 37.5  | 32.7  | 45.0  | 394.1 | 148.5 | 185.7 |
| 7    | 61.8  | 15.2 | 18.9  | 109.9 | 49.5  | 80.3  | 61.0  | 32.7  | 41.2  | 435.7 | 130.0 | 180.6 |
| 8    | 59.5  | 24.8 | 18.3  | 61.0  | 72.0  | 109.0 | 104.9 | 33.4  | 36.1  | 604.4 | 162.8 | 221.3 |
| 9    | 57.1  | 39.7 | 23.5  | 42.0  | 467.3 | 179.6 | 120.3 | 35.4  | 34.7  | 502.6 | 194.9 | 161.8 |
| 10   | 49.5  | 33.4 | 48.0  | 34.0  | 482.7 | 126.5 | 145.7 | 35.4  | 36.1  | 394.1 | 202.2 | 151.3 |
| 11   | 44.2  | 24.8 | 48.7  | 31.3  | 435.7 | 99.1  | 109.9 | 33.4  | 100.7 | 408.8 | 253.4 | 207.4 |
| 12   | 40.5  | 27.4 | 45.0  | 28.0  | 344.0 | 84.7  | 90.3  | 31.3  | 222.4 | 420.7 | 269.3 | 164.7 |
| 13   | 37.5  | 45.0 | 67.2  | 26.7  | 349.1 | 76.0  | 76.0  | 29.3  | 180.6 | 431.6 | 225.6 | 231.1 |
| 14   | 35.4  | 42.0 | 82.1  | 24.1  | 337.8 | 68.7  | 68.0  | 31.3  | 167.7 | 388.9 | 170.7 | 233.3 |
| 15   | 32.7  | 32.0 | 124.7 | 26.7  | 308.4 | 61.0  | 61.8  | 56.3  | 160.9 | 377.2 | 130.0 | 261.3 |
| 16   | 31.3  | 22.8 | 104.1 | 26.7  | 281.0 | 55.6  | 57.9  | 55.6  | 124.7 | 424.8 | 115.1 | 286.9 |
| 17   | 30.6  | 19.6 | 76.8  | 37.5  | 255.7 | 53.2  | 53.2  | 47.2  | 98.3  | 412.8 | 113.3 | 298.7 |
| 18   | 28.7  | 17.0 | 58.7  | 59.5  | 227.8 | 50.2  | 51.0  | 96.7  | 90.3  | 355.4 | 116.8 | 262.5 |
| 19   | 28.0  | 15.8 | 41.2  | 84.7  | 184.7 | 48.7  | 49.5  | 215.9 | 89.5  | 276.3 | 117.6 | 209.5 |
| 20   | 26.1  | 29.3 | 36.8  | 91.1  | 120.3 | 46.5  | 49.5  | 192.8 | 78.6  | 231.1 | 101.6 | 152.3 |
| 21   | 24.8  | 30.6 | 33.4  | 64.9  | 88.7  | 45.0  | 50.2  | 225.6 | 67.2  | 191.8 | 86.3  | 126.5 |
| 22   | 23.5  | 22.8 | 28.7  | 50.2  | 79.5  | 43.5  | 48.7  | 170.7 | 63.3  | 123.8 | 83.9  | 112.5 |
| 23   | 22.2  | 20.8 | 26.1  | 40.5  | 78.6  | 42.0  | 43.5  | 99.9  | 76.0  | 96.7  | 104.9 | 102.4 |
| 24   | 21.5  | 28.7 | 24.8  | 34.0  | 77.7  | 41.2  | 42.0  | 76.0  | 84.7  | 105.7 | 114.2 | 92.6  |
| 25   | 20.8  | 56.3 | 22.8  | 34.0  | 72.0  | 41.2  | 42.0  | 67.2  | 72.7  | 278.6 | 204.2 | 85.5  |
| 26   | 22.8  | 66.4 | 20.2  | 32.0  | 63.3  | 42.0  | 59.5  | 61.8  | 68.0  | 356.7 | 202.2 | 76.8  |
| 27   | 25.4  | 57.1 | 19.6  | 31.3  | 57.9  | 39.7  | 60.2  | 55.6  | 64.9  | 395.5 | 184.7 | 75.1  |
| 28   | 27.4  | 44.2 | 19.6  | 28.0  | 52.5  | 37.5  | 54.0  | 51.7  | 57.1  | 350.4 | 117.6 | 65.6  |
| 29   | 22.8  |      | 18.3  | 26.7  | 58.7  | 36.1  | 48.0  | 48.0  | 64.1  | 326.7 | 99.1  | 61.0  |
| 30   | 20.8  |      | 18.3  | 24.8  | 95.1  | 35.4  | 43.5  | 45.0  | 78.6  | 377.2 | 90.3  | 57.1  |
| 31   | 19.6  |      | 17.6  |       | 72.7  |       | 42.0  | 45.0  |       | 385.0 |       | 114.2 |
| Mean | 50.2  | 28.9 | 38.9  | 47.4  | 160.9 | 61.5  | 61.0  | 67.5  | 82.0  | 352.4 | 172.8 | 159.2 |

Year : 1980

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 133.6 | 68.0  | 314.4 | 64.1  | 36.1  | 40.5  | 95.9  | 495.5 | 407.4 | 124.7 | 426.2 | 67.2  |
| 2    | 84.7  | 63.3  | 288.0 | 57.1  | 70.3  | 39.0  | 200.1 | 373.3 | 489.8 | 112.5 | 337.8 | 83.0  |
| 3    | 65.6  | 58.7  | 337.8 | 50.2  | 84.7  | 39.0  | 234.4 | 323.0 | 559.4 | 104.9 | 227.8 | 320.5 |
| 4    | 57.9  | 54.0  | 316.8 | 48.7  | 55.6  | 35.4  | 261.3 | 342.7 | 532.8 | 97.5  | 167.7 | 347.8 |
| 5    | 53.2  | 49.5  | 307.2 | 44.2  | 41.2  | 32.7  | 263.6 | 318.0 | 494.1 | 92.6  | 140.1 | 316.8 |
| 6    | 49.5  | 48.0  | 373.3 | 43.5  | 39.0  | 32.0  | 250.0 | 303.5 | 422.1 | 86.3  | 127.3 | 291.6 |
| 7    | 63.3  | 59.5  | 335.3 | 39.7  | 36.1  | 33.4  | 193.8 | 243.3 | 418.1 | 78.6  | 150.4 | 270.5 |
| 8    | 87.9  | 62.6  | 295.1 | 38.2  | 57.1  | 32.0  | 130.0 | 217.0 | 265.9 | 107.4 | 137.3 | 247.7 |
| 9    | 179.6 | 49.5  | 294.0 | 38.2  | 91.9  | 30.6  | 165.7 | 223.5 | 320.5 | 154.1 | 128.2 | 219.2 |
| 10   | 198.0 | 38.2  | 283.3 | 37.5  | 91.9  | 32.0  | 225.6 | 208.5 | 272.8 | 126.5 | 181.6 | 187.7 |
| 11   | 185.7 | 51.7  | 267.0 | 36.1  | 116.8 | 31.3  | 214.8 | 149.4 | 197.0 | 102.4 | 154.1 | 157.0 |
| 12   | 114.2 | 55.6  | 265.9 | 33.4  | 119.4 | 30.0  | 179.6 | 97.5  | 150.4 | 115.1 | 122.0 | 136.4 |
| 13   | 101.6 | 51.7  | 281.0 | 92.6  | 85.5  | 33.4  | 154.1 | 91.1  | 121.2 | 129.1 | 107.4 | 142.0 |
| 14   | 75.1  | 46.5  | 283.3 | 61.0  | 68.0  | 45.0  | 126.5 | 86.3  | 115.9 | 150.4 | 94.3  | 141.0 |
| 15   | 65.6  | 34.0  | 206.4 | 209.5 | 60.2  | 36.1  | 107.4 | 79.5  | 158.0 | 132.7 | 94.3  | 127.3 |
| 16   | 62.6  | 39.0  | 136.4 | 163.7 | 55.6  | 30.0  | 93.5  | 76.0  | 212.7 | 103.2 | 77.7  | 101.6 |
| 17   | 64.1  | 36.1  | 108.2 | 104.9 | 56.3  | 28.7  | 84.7  | 77.7  | 238.8 | 109.0 | 74.3  | 86.3  |
| 18   | 108.2 | 45.0  | 98.3  | 77.7  | 57.1  | 28.7  | 79.5  | 109.9 | 184.7 | 103.2 | 73.5  | 76.0  |
| 19   | 154.1 | 59.5  | 89.5  | 67.2  | 54.0  | 28.0  | 74.3  | 119.4 | 163.7 | 98.3  | 64.9  | 71.1  |
| 20   | 165.7 | 39.7  | 87.1  | 60.2  | 55.6  | 30.6  | 69.5  | 180.6 | 159.9 | 161.8 | 61.8  | 303.5 |
| 21   | 109.0 | 37.5  | 76.0  | 54.0  | 55.6  | 45.0  | 65.6  | 441.1 | 175.6 | 198.0 | 68.0  | 816.3 |
| 22   | 82.1  | 33.4  | 68.0  | 51.0  | 84.7  | 64.1  | 62.6  | 672.6 | 282.1 | 263.6 | 61.8  | 784.5 |
| 23   | 69.5  | 33.4  | 63.3  | 48.0  | 79.5  | 72.0  | 58.7  | 707.7 | 245.5 | 236.5 | 94.3  | 655.3 |
| 24   | 88.7  | 32.7  | 58.7  | 45.0  | 63.3  | 52.5  | 55.6  | 622.7 | 175.6 | 192.8 | 150.4 | 628.9 |
| 25   | 120.3 | 53.2  | 56.3  | 42.7  | 55.6  | 99.1  | 52.5  | 527.1 | 126.5 | 157.0 | 106.6 | 518.4 |
| 26   | 144.7 | 47.2  | 54.0  | 41.2  | 51.0  | 204.2 | 51.7  | 517.0 | 156.1 | 133.6 | 77.7  | 461.8 |
| 27   | 127.3 | 63.3  | 67.2  | 39.7  | 48.0  | 185.7 | 58.7  | 487.0 | 115.9 | 130.0 | 61.0  | 414.1 |
| 28   | 101.6 | 69.5  | 88.7  | 37.5  | 46.5  | 109.0 | 60.2  | 450.7 | 107.4 | 190.8 | 61.8  | 415.4 |
| 29   | 96.7  | 118.5 | 83.9  | 36.8  | 39.0  | 81.2  | 63.3  | 424.8 | 171.7 | 181.6 | 61.8  | 442.5 |
| 30   | 89.5  |       | 87.1  | 36.1  | 48.0  | 68.0  | 635.1 | 391.5 | 158.0 | 263.6 | 77.7  | 452.1 |
| 31   | 75.1  |       | 72.7  |       | 42.0  |       | 616.6 | 390.2 |       | 434.3 |       | 438.4 |
| Mean | 102.4 | 51.7  | 185.3 | 60.0  | 62.8  | 55.0  | 160.8 | 314.5 | 253.3 | 150.7 | 125.7 | 313.6 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (21/25)

Year : 1981

| Day  | Jan.  | Feb.  | Mar. | Apr.  | May  | Jun. | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|-------|------|-------|------|------|-------|------|-------|-------|-------|-------|
| 1    | 423.5 | 139.2 | 55.6 | 43.5  | 66.4 | 22.8 | 23.5  | 36.8 | 72.7  | 76.8  | 124.7 | 50.2  |
| 2    | 402.1 | 107.4 | 55.6 | 37.5  | 51.7 | 24.1 | 35.4  | 50.2 | 66.4  | 62.6  | 96.7  | 97.5  |
| 3    | 383.7 | 112.5 | 49.5 | 30.0  | 43.5 | 21.5 | 60.2  | 40.5 | 68.7  | 51.7  | 76.0  | 97.5  |
| 4    | 368.1 | 114.2 | 53.2 | 32.0  | 40.5 | 22.8 | 51.7  | 32.7 | 123.8 | 63.3  | 84.7  | 68.0  |
| 5    | 352.9 | 158.0 | 51.0 | 26.7  | 40.5 | 23.5 | 34.0  | 30.6 | 133.6 | 108.2 | 78.6  | 50.2  |
| 6    | 344.0 | 169.7 | 48.0 | 32.0  | 37.5 | 21.5 | 28.0  | 28.0 | 82.1  | 80.3  | 68.0  | 52.5  |
| 7    | 315.6 | 175.6 | 55.6 | 25.4  | 34.0 | 33.4 | 28.7  | 27.4 | 77.7  | 89.5  | 66.4  | 68.0  |
| 8    | 255.7 | 167.7 | 64.1 | 26.7  | 32.0 | 95.9 | 34.7  | 28.0 | 57.1  | 96.7  | 74.3  | 66.4  |
| 9    | 206.4 | 140.1 | 87.1 | 23.5  | 30.6 | 77.7 | 32.0  | 36.1 | 49.5  | 83.9  | 86.3  | 57.1  |
| 10   | 175.6 | 126.5 | 65.6 | 26.7  | 29.3 | 40.5 | 32.0  | 32.7 | 43.5  | 74.3  | 148.5 | 58.7  |
| 11   | 141.0 | 131.8 | 51.7 | 25.4  | 27.4 | 34.7 | 29.3  | 29.3 | 39.7  | 65.6  | 122.9 | 57.9  |
| 12   | 128.2 | 139.2 | 46.5 | 24.1  | 26.7 | 39.0 | 22.8  | 28.0 | 36.1  | 45.7  | 87.9  | 51.7  |
| 13   | 98.3  | 126.5 | 42.0 | 22.8  | 28.0 | 36.8 | 31.3  | 38.2 | 34.0  | 81.2  | 69.5  | 45.0  |
| 14   | 114.2 | 158.9 | 38.2 | 22.8  | 26.7 | 32.0 | 24.1  | 32.0 | 30.6  | 75.1  | 60.2  | 37.5  |
| 15   | 142.9 | 156.1 | 36.1 | 22.8  | 25.4 | 26.7 | 22.8  | 28.7 | 26.1  | 61.8  | 54.8  | 33.4  |
| 16   | 109.0 | 124.7 | 33.4 | 31.3  | 23.5 | 28.0 | 21.5  | 26.1 | 28.0  | 53.2  | 48.7  | 32.0  |
| 17   | 99.1  | 92.6  | 36.1 | 32.0  | 24.8 | 30.6 | 21.5  | 22.8 | 26.1  | 49.5  | 36.1  | 29.3  |
| 18   | 87.1  | 77.7  | 43.5 | 26.7  | 24.8 | 26.7 | 20.2  | 23.5 | 24.1  | 42.7  | 40.5  | 26.1  |
| 19   | 87.9  | 68.7  | 36.8 | 22.8  | 25.4 | 24.1 | 18.9  | 22.8 | 25.4  | 37.5  | 41.2  | 22.8  |
| 20   | 137.3 | 71.1  | 30.6 | 21.5  | 30.6 | 20.2 | 17.6  | 21.5 | 24.8  | 41.2  | 49.5  | 21.5  |
| 21   | 156.1 | 51.0  | 37.5 | 20.2  | 28.0 | 24.1 | 18.9  | 20.8 | 33.4  | 46.5  | 42.0  | 30.6  |
| 22   | 119.4 | 75.1  | 32.0 | 20.2  | 26.7 | 21.5 | 40.5  | 19.6 | 77.7  | 48.0  | 34.7  | 195.9 |
| 23   | 95.1  | 61.8  | 28.7 | 22.8  | 26.7 | 21.5 | 24.1  | 17.0 | 64.9  | 34.7  | 30.0  | 372.0 |
| 24   | 81.2  | 64.9  | 28.0 | 24.1  | 25.4 | 23.5 | 20.2  | 21.5 | 54.8  | 35.4  | 24.1  | 270.5 |
| 25   | 88.7  | 78.6  | 28.0 | 28.7  | 22.8 | 27.4 | 48.7  | 18.9 | 121.2 | 31.3  | 30.6  | 256.8 |
| 26   | 72.7  | 58.7  | 24.1 | 76.0  | 22.8 | 26.7 | 153.2 | 18.9 | 162.8 | 25.4  | 26.7  | 211.7 |
| 27   | 68.7  | 65.6  | 26.7 | 109.0 | 22.8 | 33.4 | 148.5 | 24.1 | 178.6 | 57.1  | 25.4  | 193.8 |
| 28   | 64.9  | 62.6  | 33.4 | 128.2 | 37.5 | 21.5 | 122.0 | 60.2 | 137.3 | 88.7  | 22.8  | 175.6 |
| 29   | 60.2  |       | 69.5 | 124.7 | 34.7 | 25.4 | 91.1  | 76.0 | 95.9  | 113.3 | 29.3  | 109.9 |
| 30   | 98.3  |       | 77.7 | 100.7 | 27.4 | 21.5 | 43.5  | 64.9 | 95.9  | 142.9 | 25.4  | 72.7  |
| 31   | 142.9 |       | 57.1 |       | 25.4 |      | 36.1  | 86.3 |       | 152.3 |       | 58.7  |
| Mean | 174.9 | 109.9 | 45.9 | 40.4  | 31.3 | 31.0 | 43.1  | 33.7 | 69.8  | 68.3  | 60.2  | 95.9  |

Year : 1982

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 52.5  | 17.6  | 171.7 | 210.6 | 28.0  | 36.1  | 298.7 | 50.2  | 135.5 | 34.7  | 89.5  | 232.2 |
| 2    | 82.1  | 17.6  | 142.0 | 159.9 | 25.4  | 33.4  | 197.0 | 57.1  | 122.0 | 81.2  | 71.1  | 235.5 |
| 3    | 110.8 | 19.6  | 112.5 | 104.1 | 24.1  | 31.3  | 163.7 | 94.3  | 100.7 | 112.5 | 123.8 | 223.5 |
| 4    | 92.6  | 39.0  | 99.1  | 79.5  | 22.8  | 30.0  | 105.7 | 76.8  | 88.7  | 77.7  | 141.0 | 267.0 |
| 5    | 83.0  | 177.6 | 79.5  | 74.3  | 22.8  | 29.3  | 105.7 | 60.2  | 79.5  | 57.1  | 347.8 | 250.0 |
| 6    | 68.0  | 324.2 | 83.0  | 69.5  | 22.8  | 27.4  | 97.5  | 54.0  | 72.7  | 48.0  | 625.8 | 202.2 |
| 7    | 55.6  | 309.6 | 70.3  | 65.6  | 21.5  | 26.1  | 81.2  | 51.0  | 71.1  | 144.7 | 632.0 | 167.7 |
| 8    | 49.5  | 200.1 | 63.3  | 54.0  | 21.5  | 25.4  | 82.1  | 49.5  | 69.5  | 428.9 | 557.9 | 124.7 |
| 9    | 52.5  | 112.5 | 58.7  | 52.5  | 21.5  | 25.4  | 74.3  | 71.1  | 63.3  | 410.1 | 459.0 | 103.2 |
| 10   | 58.7  | 84.7  | 60.2  | 46.5  | 20.2  | 24.1  | 77.7  | 83.0  | 58.7  | 354.2 | 392.8 | 91.9  |
| 11   | 57.1  | 97.5  | 67.2  | 43.5  | 30.6  | 59.5  | 72.7  | 62.6  | 55.6  | 337.8 | 399.5 | 83.9  |
| 12   | 69.5  | 97.5  | 60.2  | 43.5  | 55.6  | 64.9  | 82.1  | 56.3  | 52.5  | 254.5 | 428.9 | 78.6  |
| 13   | 51.0  | 107.4 | 64.9  | 43.5  | 48.0  | 54.0  | 227.8 | 51.0  | 45.0  | 210.6 | 395.5 | 78.6  |
| 14   | 40.5  | 119.4 | 51.0  | 41.2  | 33.4  | 40.5  | 306.0 | 48.0  | 46.5  | 149.4 | 412.8 | 95.1  |
| 15   | 35.4  | 236.5 | 57.1  | 51.0  | 30.6  | 39.7  | 268.2 | 45.7  | 49.5  | 109.9 | 632.0 | 95.1  |
| 16   | 31.3  | 265.9 | 55.6  | 45.0  | 30.6  | 109.9 | 236.5 | 121.2 | 44.2  | 91.1  | 619.7 | 89.5  |
| 17   | 28.0  | 234.4 | 56.3  | 39.0  | 26.7  | 115.9 | 185.7 | 167.7 | 42.7  | 82.1  | 514.1 | 97.5  |
| 18   | 26.7  | 263.6 | 50.2  | 34.7  | 24.8  | 87.9  | 139.2 | 202.2 | 43.5  | 114.2 | 375.9 | 81.2  |
| 19   | 25.4  | 261.3 | 99.9  | 32.0  | 23.5  | 72.7  | 138.2 | 200.1 | 57.1  | 121.2 | 335.3 | 141.0 |
| 20   | 24.1  | 221.3 | 94.3  | 32.0  | 24.8  | 137.3 | 115.1 | 167.7 | 51.0  | 89.5  | 315.6 | 204.2 |
| 21   | 22.8  | 188.7 | 126.5 | 34.7  | 22.8  | 159.9 | 99.1  | 130.0 | 42.0  | 76.0  | 291.6 | 155.1 |
| 22   | 21.5  | 154.1 | 109.0 | 33.4  | 20.2  | 122.9 | 89.5  | 107.4 | 39.0  | 92.6  | 279.8 | 110.8 |
| 23   | 24.1  | 239.9 | 143.8 | 29.3  | 20.2  | 104.1 | 82.1  | 109.0 | 37.5  | 200.1 | 285.7 | 165.7 |
| 24   | 32.0  | 368.1 | 121.2 | 27.4  | 18.9  | 100.7 | 76.0  | 161.8 | 36.1  | 318.0 | 275.1 | 235.5 |
| 25   | 25.4  | 386.3 | 95.9  | 28.7  | 42.0  | 112.5 | 71.1  | 161.8 | 34.7  | 276.3 | 265.9 | 187.7 |
| 26   | 21.5  | 306.0 | 92.6  | 26.1  | 164.7 | 140.1 | 65.6  | 137.3 | 34.0  | 208.5 | 254.5 | 126.5 |
| 27   | 17.6  | 259.0 | 83.0  | 26.7  | 165.7 | 143.8 | 61.8  | 107.4 | 34.7  | 148.5 | 323.0 | 104.1 |
| 28   | 17.6  | 208.5 | 69.5  | 26.7  | 100.7 | 141.0 | 57.9  | 93.5  | 38.2  | 154.1 | 295.1 | 86.3  |
| 29   | 17.6  |       | 105.7 | 26.7  | 60.2  | 181.6 | 52.5  | 83.9  | 42.7  | 156.1 | 274.0 | 79.5  |
| 30   | 17.6  |       | 265.9 | 28.7  | 46.5  | 358.0 | 61.0  | 76.0  | 35.4  | 124.7 | 250.0 | 70.3  |
| 31   | 18.9  |       | 248.9 |       | 39.0  |       | 54.0  | 98.3  |       | 102.4 |       | 64.9  |
| Mean | 42.9  | 189.9 | 98.7  | 53.7  | 40.6  | 87.8  | 123.4 | 97.9  | 57.5  | 166.7 | 355.5 | 139.6 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (22/25)

| Year | : 1983 |       |       |       |       |       |        |        |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.   | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 87.1   | 310.8 | 669.5 | 57.9  | 95.9  | 418.1 | 223.5  | 1301.6 | 115.1 | 286.9 | 66.4  | 115.9 |
| 2    | 95.9   | 263.6 | 532.8 | 59.5  | 208.5 | 422.1 | 193.8  | 1419.2 | 102.4 | 282.1 | 74.3  | 77.7  |
| 3    | 72.0   | 243.3 | 472.9 | 57.9  | 243.3 | 402.1 | 198.0  | 1047.7 | 89.5  | 243.3 | 149.4 | 81.2  |
| 4    | 66.4   | 195.9 | 524.2 | 59.5  | 270.5 | 379.8 | 171.7  | 800.5  | 84.7  | 181.6 | 270.5 | 86.3  |
| 5    | 64.9   | 131.8 | 396.8 | 67.2  | 251.1 | 351.6 | 148.5  | 623.7  | 97.5  | 104.1 | 209.5 | 107.4 |
| 6    | 204.2  | 103.2 | 313.2 | 232.2 | 221.3 | 276.3 | 388.9  | 500.5  | 95.1  | 92.6  | 153.2 | 171.7 |
| 7    | 511.2  | 94.3  | 319.3 | 235.5 | 151.3 | 156.1 | 872.7  | 428.4  | 89.5  | 127.3 | 149.4 | 155.1 |
| 8    | 488.4  | 98.3  | 342.7 | 158.0 | 144.7 | 124.7 | 2278.0 | 388.7  | 84.7  | 142.9 | 116.8 | 119.4 |
| 9    | 400.8  | 93.5  | 363.1 | 104.9 | 139.2 | 117.6 | 2315.2 | 354.0  | 76.8  | 79.5  | 95.1  | 93.5  |
| 10   | 306.0  | 98.3  | 383.7 | 83.0  | 228.9 | 117.6 | 1984.3 | 329.1  | 76.8  | 121.2 | 86.3  | 107.4 |
| 11   | 256.8  | 109.0 | 369.4 | 70.3  | 437.1 | 112.5 | 1861.6 | 304.3  | 70.3  | 149.4 | 79.5  | 122.9 |
| 12   | 251.1  | 95.9  | 385.0 | 67.2  | 403.5 | 270.5 | 2341.2 | 276.9  | 71.1  | 139.2 | 165.7 | 106.6 |
| 13   | 242.1  | 89.5  | 337.8 | 62.6  | 363.1 | 553.5 | 1887.6 | 249.8  | 83.0  | 115.9 | 286.9 | 271.6 |
| 14   | 219.2  | 104.1 | 259.0 | 59.5  | 275.1 | 555.0 | 1382.3 | 213.0  | 87.9  | 99.1  | 199.0 | 279.8 |
| 15   | 189.8  | 91.1  | 236.5 | 129.1 | 191.8 | 481.3 | 1057.1 | 194.5  | 110.8 | 102.4 | 149.4 | 234.4 |
| 16   | 148.5  | 109.0 | 203.2 | 142.0 | 167.7 | 487.0 | 881.9  | 190.3  | 270.5 | 92.6  | 153.2 | 215.9 |
| 17   | 137.3  | 188.7 | 130.0 | 102.4 | 201.1 | 437.1 | 1288.1 | 202.7  | 212.7 | 154.1 | 109.0 | 289.2 |
| 18   | 130.0  | 208.5 | 97.5  | 199.0 | 187.7 | 404.8 | 1050.8 | 234.6  | 147.6 | 202.2 | 82.1  | 363.1 |
| 19   | 232.2  | 167.7 | 99.9  | 334.1 | 282.1 | 388.9 | 803.4  | 256.3  | 124.7 | 185.7 | 83.0  | 321.8 |
| 20   | 244.4  | 254.5 | 89.5  | 313.2 | 826.5 | 399.5 | 651.4  | 223.7  | 109.9 | 141.0 | 76.0  | 373.3 |
| 21   | 236.5  | 282.1 | 84.7  | 241.0 | 706.1 | 345.3 | 539.1  | 194.5  | 97.5  | 104.1 | 109.0 | 213.8 |
| 22   | 166.7  | 244.4 | 74.3  | 151.3 | 556.4 | 261.3 | 469.6  | 180.0  | 92.6  | 152.3 | 114.2 | 230.0 |
| 23   | 117.6  | 215.9 | 70.3  | 120.3 | 426.2 | 263.6 | 423.5  | 169.9  | 568.3 | 142.9 | 123.8 | 251.1 |
| 24   | 95.1   | 191.8 | 68.0  | 131.8 | 396.8 | 398.1 | 408.5  | 160.2  | 797.9 | 142.0 | 117.6 | 198.0 |
| 25   | 85.5   | 210.6 | 66.4  | 179.6 | 433.0 | 442.5 | 629.2  | 187.7  | 656.9 | 95.9  | 78.6  | 209.5 |
| 26   | 78.6   | 233.3 | 65.6  | 139.2 | 400.8 | 410.1 | 913.1  | 175.6  | 518.4 | 85.5  | 71.1  | 136.4 |
| 27   | 70.3   | 276.3 | 66.4  | 113.3 | 381.1 | 345.3 | 1141.2 | 150.4  | 426.2 | 83.0  | 77.7  | 119.4 |
| 28   | 67.2   | 470.1 | 61.8  | 100.7 | 580.3 | 284.5 | 1271.4 | 115.9  | 407.4 | 77.7  | 71.1  | 107.4 |
| 29   | 105.7  |       | 64.9  | 94.3  | 478.5 | 284.5 | 1237.9 | 107.4  | 378.5 | 72.7  | 78.6  | 104.9 |
| 30   | 193.8  |       | 65.6  | 87.9  | 423.5 | 256.8 | 866.3  | 102.4  | 345.3 | 68.0  | 142.9 | 122.9 |
| 31   | 341.5  |       | 61.8  |       | 445.2 |       | 850.7  | 97.5   |       | 63.3  |       | 160.9 |
| Mean | 190.5  | 184.8 | 234.7 | 131.8 | 339.3 | 338.3 | 991.3  | 360.7  | 216.3 | 133.2 | 124.6 | 179.0 |

| Year | : 1984 |       |       |       |       |       |       |        |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 136.4  | 117.6 | 104.9 | 64.1  | 76.0  | 61.8  | 83.9  | 87.9   | 124.7 | 157.0 | 74.3  | 107.4 |
| 2    | 121.2  | 143.8 | 100.7 | 89.5  | 64.9  | 59.5  | 81.2  | 161.8  | 117.6 | 135.5 | 83.0  | 119.4 |
| 3    | 105.7  | 142.9 | 155.1 | 187.7 | 58.7  | 57.1  | 79.5  | 206.4  | 108.2 | 121.2 | 87.9  | 104.1 |
| 4    | 95.1   | 107.4 | 126.5 | 130.0 | 52.5  | 55.6  | 109.0 | 189.8  | 104.1 | 110.8 | 86.3  | 87.9  |
| 5    | 132.7  | 87.9  | 100.7 | 94.3  | 51.0  | 52.5  | 141.0 | 360.5  | 99.1  | 104.1 | 83.0  | 77.7  |
| 6    | 114.2  | 76.0  | 88.7  | 75.1  | 48.0  | 57.1  | 109.0 | 1224.7 | 93.5  | 187.7 | 208.5 | 114.2 |
| 7    | 126.5  | 73.5  | 76.8  | 69.5  | 46.5  | 91.1  | 261.3 | 1841.1 | 92.6  | 306.0 | 352.9 | 139.2 |
| 8    | 109.9  | 66.4  | 126.5 | 61.8  | 45.7  | 68.7  | 232.2 | 1703.7 | 92.6  | 239.9 | 378.5 | 253.4 |
| 9    | 81.2   | 63.3  | 135.5 | 58.7  | 60.2  | 57.1  | 211.7 | 1452.7 | 89.5  | 553.5 | 386.3 | 202.2 |
| 10   | 73.5   | 61.0  | 104.1 | 54.0  | 72.0  | 56.3  | 165.7 | 1159.8 | 84.7  | 589.3 | 350.4 | 154.1 |
| 11   | 67.2   | 56.3  | 79.5  | 54.0  | 65.6  | 54.0  | 117.6 | 955.0  | 79.5  | 443.9 | 294.0 | 131.0 |
| 12   | 83.0   | 54.0  | 66.4  | 54.8  | 91.9  | 54.8  | 106.6 | 769.6  | 76.0  | 325.5 | 284.5 | 110.8 |
| 13   | 94.3   | 51.0  | 59.5  | 54.8  | 141.0 | 74.3  | 135.5 | 624.3  | 77.7  | 297.5 | 263.6 | 122.9 |
| 14   | 68.0   | 45.0  | 61.8  | 64.9  | 244.4 | 119.4 | 206.4 | 532.8  | 79.5  | 242.1 | 212.7 | 115.9 |
| 15   | 140.1  | 39.0  | 45.7  | 95.1  | 289.2 | 256.8 | 247.7 | 475.6  | 82.1  | 173.6 | 163.7 | 126.5 |
| 16   | 191.8  | 41.2  | 52.5  | 95.9  | 227.8 | 607.5 | 300.0 | 452.1  | 83.0  | 148.5 | 137.3 | 104.9 |
| 17   | 126.5  | 39.0  | 44.2  | 76.0  | 156.1 | 730.3 | 250.0 | 419.4  | 71.1  | 133.6 | 124.7 | 89.5  |
| 18   | 135.5  | 43.5  | 43.5  | 144.7 | 126.5 | 595.3 | 193.8 | 388.9  | 68.0  | 144.7 | 119.4 | 99.1  |
| 19   | 121.2  | 36.8  | 46.5  | 106.6 | 108.2 | 504.0 | 161.8 | 358.0  | 109.9 | 135.5 | 111.6 | 84.7  |
| 20   | 132.7  | 34.0  | 87.9  | 125.6 | 148.5 | 453.5 | 152.3 | 285.7  | 315.6 | 119.4 | 109.0 | 71.1  |
| 21   | 111.6  | 32.7  | 209.5 | 115.9 | 179.6 | 410.1 | 313.2 | 241.0  | 250.0 | 102.4 | 156.1 | 57.9  |
| 22   | 119.4  | 41.2  | 264.7 | 91.1  | 195.9 | 379.8 | 323.0 | 187.7  | 171.7 | 94.3  | 139.2 | 63.3  |
| 23   | 103.2  | 92.6  | 228.9 | 76.0  | 151.3 | 320.5 | 276.3 | 158.0  | 109.0 | 90.3  | 122.9 | 55.6  |
| 24   | 94.3   | 68.7  | 198.0 | 103.2 | 123.8 | 241.0 | 245.5 | 147.6  | 94.3  | 87.9  | 104.1 | 51.0  |
| 25   | 73.5   | 81.2  | 163.7 | 109.0 | 113.3 | 192.8 | 218.1 | 252.3  | 193.8 | 89.5  | 163.7 | 51.0  |
| 26   | 68.0   | 69.5  | 112.5 | 87.1  | 94.3  | 160.9 | 202.2 | 292.8  | 488.4 | 86.3  | 242.1 | 61.0  |
| 27   | 89.5   | 109.0 | 95.1  | 73.5  | 87.1  | 120.3 | 165.7 | 232.2  | 466.0 | 80.3  | 189.8 | 83.9  |
| 28   | 150.4  | 183.6 | 79.5  | 67.2  | 81.2  | 99.1  | 122.0 | 184.7  | 391.5 | 72.7  | 137.3 | 66.4  |
| 29   | 130.0  | 135.5 | 66.4  | 63.3  | 76.0  | 93.5  | 104.1 | 158.0  | 344.0 | 68.0  | 114.2 | 57.1  |
| 30   | 109.9  |       | 76.0  | 61.8  | 71.1  | 87.1  | 96.7  | 141.0  | 214.8 | 66.4  | 100.7 | 55.6  |
| 31   | 114.2  |       | 76.0  |       | 64.9  |       | 91.9  | 131.8  |       | 76.0  |       | 61.0  |
| Mean | 110.3  | 75.6  | 105.7 | 86.8  | 110.1 | 205.7 | 177.6 | 508.9  | 159.1 | 180.1 | 179.4 | 99.3  |

# DAILY MEAN DISCHARGE AT RIO DO SUL (23/25)

Year : 1985

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun. | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec. |
|------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|------|
| 1    | 99.1  | 30.0  | 111.6 | 54.0  | 68.7  | 36.8 | 32.0  | 32.7 | 68.7  | 64.9  | 51.0  | 22.2 |
| 2    | 115.1 | 40.5  | 97.5  | 63.3  | 58.7  | 37.5 | 71.1  | 32.0 | 56.3  | 68.0  | 94.3  | 21.5 |
| 3    | 84.7  | 53.2  | 86.3  | 66.4  | 52.5  | 40.5 | 79.5  | 30.6 | 45.0  | 54.0  | 109.9 | 20.2 |
| 4    | 61.8  | 73.5  | 76.0  | 57.1  | 50.2  | 39.7 | 49.5  | 30.0 | 57.1  | 42.0  | 286.9 | 20.2 |
| 5    | 48.0  | 105.7 | 76.0  | 103.2 | 48.0  | 36.8 | 39.0  | 28.7 | 91.1  | 34.7  | 406.1 | 20.2 |
| 6    | 51.7  | 86.3  | 74.3  | 286.9 | 46.5  | 30.6 | 57.1  | 28.0 | 63.3  | 32.0  | 344.0 | 18.9 |
| 7    | 51.0  | 57.9  | 69.5  | 358.0 | 46.5  | 36.1 | 151.3 | 28.0 | 45.7  | 44.2  | 259.0 | 18.9 |
| 8    | 89.5  | 45.0  | 74.3  | 290.4 | 51.7  | 31.3 | 200.1 | 26.7 | 37.5  | 51.0  | 154.1 | 19.6 |
| 9    | 84.7  | 40.5  | 69.5  | 201.1 | 98.3  | 51.7 | 187.7 | 26.7 | 33.4  | 40.5  | 115.9 | 17.0 |
| 10   | 61.8  | 47.2  | 233.3 | 151.3 | 139.2 | 44.2 | 106.6 | 26.7 | 33.4  | 37.5  | 84.7  | 15.2 |
| 11   | 51.0  | 93.5  | 190.8 | 108.2 | 124.7 | 34.0 | 69.5  | 26.7 | 32.0  | 34.0  | 71.1  | 15.2 |
| 12   | 45.0  | 142.9 | 122.0 | 107.4 | 86.3  | 33.4 | 60.2  | 30.6 | 29.3  | 30.6  | 63.3  | 22.2 |
| 13   | 46.5  | 318.0 | 86.3  | 94.3  | 69.5  | 32.0 | 54.0  | 34.7 | 29.3  | 28.0  | 48.0  | 16.4 |
| 14   | 39.0  | 504.0 | 77.7  | 87.9  | 62.6  | 30.6 | 51.0  | 34.7 | 29.3  | 26.1  | 59.5  | 16.4 |
| 15   | 36.1  | 461.8 | 70.3  | 83.0  | 57.9  | 31.3 | 46.5  | 29.3 | 29.3  | 25.4  | 45.0  | 18.3 |
| 16   | 63.3  | 388.9 | 71.1  | 109.0 | 54.8  | 31.3 | 45.0  | 26.7 | 28.0  | 26.7  | 41.2  | 17.6 |
| 17   | 129.1 | 347.8 | 68.0  | 121.2 | 51.7  | 34.0 | 42.0  | 25.4 | 28.0  | 42.0  | 38.2  | 15.2 |
| 18   | 104.1 | 308.4 | 59.5  | 111.6 | 49.5  | 43.5 | 40.5  | 24.8 | 28.0  | 66.4  | 37.5  | 12.8 |
| 19   | 68.0  | 323.0 | 53.2  | 90.3  | 48.7  | 34.7 | 40.5  | 25.4 | 24.8  | 49.5  | 34.7  | 11.5 |
| 20   | 53.2  | 396.8 | 51.0  | 76.8  | 55.6  | 32.0 | 39.0  | 33.4 | 87.9  | 64.1  | 34.0  | 11.0 |
| 21   | 45.0  | 428.9 | 48.0  | 72.0  | 57.1  | 30.6 | 37.5  | 42.0 | 130.0 | 163.7 | 34.0  | 14.0 |
| 22   | 42.0  | 450.7 | 51.7  | 67.2  | 51.0  | 30.6 | 36.1  | 31.3 | 86.3  | 79.5  | 36.1  | 14.0 |
| 23   | 39.0  | 375.9 | 66.4  | 64.1  | 46.5  | 30.6 | 35.4  | 26.1 | 58.7  | 76.0  | 36.8  | 14.0 |
| 24   | 49.5  | 301.1 | 77.7  | 60.2  | 46.5  | 28.7 | 34.7  | 24.1 | 48.0  | 58.7  | 48.0  | 12.8 |
| 25   | 42.7  | 259.0 | 151.3 | 57.1  | 46.5  | 28.7 | 34.0  | 21.5 | 42.0  | 63.3  | 34.0  | 11.0 |
| 26   | 36.8  | 236.5 | 214.8 | 68.7  | 44.2  | 28.7 | 34.0  | 20.2 | 36.1  | 49.5  | 32.0  | 10.4 |
| 27   | 34.0  | 201.1 | 189.8 | 99.1  | 40.5  | 28.7 | 33.4  | 22.2 | 32.0  | 40.5  | 34.7  | 11.5 |
| 28   | 32.0  | 139.2 | 131.8 | 87.9  | 40.5  | 28.0 | 32.0  | 22.8 | 30.0  | 36.1  | 29.3  | 10.4 |
| 29   | 30.6  |       | 97.5  | 71.1  | 39.7  | 28.0 | 32.0  | 20.8 | 39.0  | 39.0  | 24.1  | 9.3  |
| 30   | 32.0  |       | 95.1  | 67.2  | 39.0  | 28.0 | 36.1  | 21.5 | 63.3  | 54.8  | 22.8  | 8.2  |
| 31   | 30.6  |       | 73.5  |       | 38.2  |      | 34.7  | 31.3 |       | 58.7  |       | 7.1  |
| Mean | 58.0  | 223.5 | 97.3  | 111.2 | 58.4  | 33.8 | 59.4  | 27.9 | 48.1  | 51.0  | 90.3  | 15.3 |

Year : 1986

| Day  | Jan. | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul. | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| 1    | 6.5  | 150.4 | 143.8 | 20.2  | 21.5  | 268.2 | 24.1 | 21.5  | 30.6  | 69.5  | 64.1  | 82.1  |
| 2    | 12.8 | 265.9 | 113.3 | 20.2  | 20.2  | 141.0 | 24.1 | 21.5  | 29.3  | 58.7  | 125.6 | 72.7  |
| 3    | 15.2 | 236.5 | 72.7  | 18.9  | 18.9  | 82.1  | 23.5 | 20.2  | 29.3  | 52.5  | 160.9 | 74.3  |
| 4    | 9.3  | 121.2 | 54.0  | 20.2  | 17.6  | 63.3  | 22.8 | 18.9  | 30.6  | 47.2  | 231.1 | 190.8 |
| 5    | 8.2  | 77.7  | 40.5  | 32.0  | 17.0  | 53.2  | 21.5 | 18.9  | 30.6  | 44.2  | 370.7 | 160.9 |
| 6    | 7.1  | 54.0  | 39.0  | 57.1  | 17.0  | 47.2  | 24.1 | 18.3  | 31.3  | 39.7  | 777.9 | 132.7 |
| 7    | 6.0  | 42.0  | 33.4  | 83.0  | 17.6  | 47.2  | 21.5 | 21.5  | 28.0  | 39.0  | 625.8 | 181.6 |
| 8    | 4.8  | 46.5  | 29.3  | 107.4 | 18.3  | 42.0  | 21.5 | 20.2  | 24.8  | 58.7  | 531.4 | 226.7 |
| 9    | 4.4  | 45.0  | 26.7  | 86.3  | 18.3  | 37.5  | 22.8 | 18.9  | 23.5  | 73.5  | 416.8 | 192.8 |
| 10   | 4.4  | 57.1  | 25.4  | 58.7  | 20.2  | 36.1  | 22.8 | 17.0  | 22.8  | 439.8 | 374.6 | 153.2 |
| 11   | 6.5  | 72.7  | 25.4  | 45.7  | 22.8  | 34.7  | 22.8 | 16.4  | 21.5  | 499.8 | 316.8 | 122.0 |
| 12   | 9.9  | 131.0 | 51.0  | 55.6  | 20.2  | 32.0  | 22.8 | 16.4  | 20.2  | 415.4 | 241.0 | 100.7 |
| 13   | 10.4 | 122.0 | 60.2  | 40.5  | 21.5  | 30.6  | 22.8 | 18.3  | 18.9  | 325.5 | 194.9 | 87.1  |
| 14   | 22.8 | 89.5  | 48.0  | 34.7  | 21.5  | 30.0  | 20.2 | 22.8  | 18.3  | 212.7 | 112.5 | 134.5 |
| 15   | 20.2 | 64.9  | 52.5  | 97.5  | 18.9  | 35.4  | 20.2 | 33.4  | 17.0  | 110.8 | 91.1  | 264.7 |
| 16   | 21.5 | 53.2  | 61.8  | 64.9  | 17.0  | 45.0  | 19.6 | 46.5  | 18.3  | 107.4 | 82.1  | 250.0 |
| 17   | 15.2 | 57.1  | 55.6  | 45.0  | 17.0  | 42.0  | 18.3 | 42.7  | 38.2  | 87.9  | 75.1  | 235.5 |
| 18   | 11.5 | 51.0  | 56.3  | 36.1  | 34.0  | 36.1  | 17.6 | 31.3  | 48.0  | 92.6  | 67.2  | 207.4 |
| 19   | 42.0 | 48.0  | 77.7  | 34.7  | 49.5  | 32.0  | 38.2 | 25.4  | 56.3  | 99.9  | 67.2  | 292.8 |
| 20   | 39.0 | 52.5  | 76.8  | 32.7  | 41.2  | 29.3  | 54.0 | 22.8  | 128.2 | 85.5  | 67.2  | 297.5 |
| 21   | 44.2 | 47.2  | 59.5  | 29.3  | 33.4  | 26.7  | 71.1 | 21.5  | 139.2 | 99.1  | 63.3  | 310.8 |
| 22   | 34.0 | 52.5  | 44.2  | 28.0  | 26.7  | 25.4  | 62.6 | 21.5  | 234.4 | 144.7 | 61.8  | 388.9 |
| 23   | 28.0 | 42.0  | 36.1  | 27.4  | 22.8  | 24.1  | 42.0 | 128.2 | 191.8 | 124.7 | 63.3  | 354.2 |
| 24   | 45.0 | 44.2  | 33.4  | 25.4  | 20.8  | 24.1  | 34.7 | 193.8 | 143.8 | 91.1  | 57.1  | 296.3 |
| 25   | 40.5 | 71.1  | 34.0  | 24.1  | 20.2  | 26.7  | 30.6 | 130.0 | 119.4 | 76.0  | 52.5  | 269.3 |
| 26   | 26.7 | 65.6  | 40.5  | 22.8  | 20.2  | 32.7  | 28.0 | 78.6  | 181.6 | 67.2  | 58.7  | 245.5 |
| 27   | 21.5 | 60.2  | 36.1  | 28.0  | 18.9  | 29.3  | 26.1 | 53.2  | 140.1 | 61.8  | 115.9 | 199.0 |
| 28   | 26.7 | 110.8 | 32.0  | 29.3  | 18.9  | 27.4  | 24.1 | 46.5  | 109.0 | 57.9  | 118.5 | 173.6 |
| 29   | 28.0 |       | 26.7  | 25.4  | 18.9  | 25.4  | 22.8 | 44.2  | 91.1  | 57.9  | 133.6 | 142.9 |
| 30   | 32.0 |       | 22.8  | 22.8  | 33.4  | 24.1  | 21.5 | 36.8  | 74.3  | 76.8  | 95.9  | 133.6 |
| 31   | 81.2 |       | 20.8  |       | 268.2 |       | 22.2 | 33.4  |       | 76.0  |       | 121.2 |
| Mean | 22.1 | 83.3  | 49.3  | 41.8  | 30.7  | 47.7  | 28.1 | 40.7  | 69.7  | 125.6 | 193.8 | 196.6 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (24/25)

Year : 1987

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov. | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1    | 102.4 | 79.5  | 108.2 | 34.7  | 37.5  | 92.6  | 79.5  | 134.5 | 86.3  | 187.7 | 99.1 | 38.2  |
| 2    | 99.1  | 113.3 | 94.3  | 42.7  | 37.5  | 87.9  | 76.0  | 115.9 | 84.7  | 365.6 | 89.5 | 28.0  |
| 3    | 89.5  | 131.8 | 87.1  | 48.0  | 34.7  | 84.7  | 73.5  | 87.9  | 99.1  | 259.0 | 86.3 | 67.2  |
| 4    | 75.1  | 297.5 | 78.6  | 42.0  | 32.0  | 82.1  | 76.0  | 82.1  | 100.7 | 177.6 | 87.9 | 113.3 |
| 5    | 68.0  | 278.6 | 74.3  | 36.1  | 32.0  | 77.7  | 83.0  | 81.2  | 84.7  | 128.2 | 91.1 | 94.3  |
| 6    | 64.1  | 259.0 | 64.9  | 33.4  | 36.1  | 77.7  | 69.5  | 131.0 | 71.1  | 164.7 | 89.5 | 63.3  |
| 7    | 64.1  | 219.2 | 68.7  | 32.0  | 83.0  | 75.1  | 131.8 | 158.9 | 67.2  | 204.2 | 86.3 | 45.0  |
| 8    | 74.3  | 198.0 | 64.9  | 32.7  | 217.0 | 68.7  | 187.7 | 153.2 | 64.9  | 142.9 | 82.1 | 42.0  |
| 9    | 86.3  | 209.5 | 60.2  | 32.0  | 243.3 | 64.9  | 175.6 | 127.3 | 67.2  | 139.2 | 79.5 | 34.7  |
| 10   | 125.6 | 176.6 | 72.7  | 34.7  | 152.3 | 63.3  | 153.2 | 104.9 | 72.0  | 117.6 | 79.5 | 36.1  |
| 11   | 218.1 | 132.7 | 65.6  | 35.4  | 104.1 | 61.8  | 129.1 | 96.7  | 118.5 | 91.9  | 74.3 | 66.4  |
| 12   | 373.3 | 110.8 | 56.3  | 98.3  | 86.3  | 60.2  | 111.6 | 98.3  | 110.8 | 87.9  | 69.5 | 44.2  |
| 13   | 342.7 | 109.0 | 51.7  | 127.3 | 97.5  | 87.1  | 100.7 | 122.0 | 97.5  | 121.2 | 66.4 | 37.5  |
| 14   | 535.8 | 119.4 | 49.5  | 179.6 | 272.8 | 337.8 | 180.6 | 163.7 | 81.2  | 191.8 | 68.0 | 32.7  |
| 15   | 546.1 | 168.7 | 46.5  | 105.7 | 672.6 | 368.1 | 129.1 | 109.0 | 81.2  | 388.9 | 64.9 | 30.0  |
| 16   | 535.8 | 193.8 | 43.5  | 81.2  | 565.3 | 323.0 | 115.9 | 109.0 | 110.8 | 508.4 | 89.5 | 24.8  |
| 17   | 537.3 | 199.0 | 42.7  | 74.3  | 464.6 | 265.9 | 104.9 | 265.9 | 114.2 | 525.6 | 66.4 | 20.2  |
| 18   | 519.9 | 232.2 | 41.2  | 68.0  | 347.8 | 197.0 | 99.1  | 272.8 | 107.4 | 538.7 | 57.1 | 116.8 |
| 19   | 460.4 | 242.1 | 40.5  | 62.6  | 304.7 | 156.1 | 138.2 | 207.4 | 94.3  | 613.6 | 51.7 | 58.7  |
| 20   | 400.8 | 272.8 | 39.0  | 51.0  | 375.9 | 129.1 | 136.4 | 244.4 | 89.5  | 578.8 | 36.8 | 39.0  |
| 21   | 359.3 | 228.9 | 40.5  | 49.5  | 541.7 | 114.2 | 117.6 | 204.2 | 76.8  | 509.8 | 60.2 | 36.8  |
| 22   | 321.8 | 212.7 | 45.0  | 49.5  | 535.8 | 106.6 | 103.2 | 167.7 | 72.7  | 396.8 | 53.2 | 34.7  |
| 23   | 238.8 | 182.6 | 42.0  | 51.0  | 471.5 | 141.0 | 107.4 | 150.4 | 68.7  | 297.5 | 58.7 | 34.7  |
| 24   | 162.8 | 193.8 | 38.2  | 46.5  | 386.3 | 127.3 | 105.7 | 125.6 | 69.5  | 217.0 | 47.2 | 29.3  |
| 25   | 149.4 | 270.5 | 32.0  | 42.0  | 296.3 | 108.2 | 87.1  | 122.9 | 84.7  | 167.7 | 54.8 | 28.0  |
| 26   | 179.6 | 252.3 | 55.6  | 38.2  | 221.3 | 92.6  | 89.5  | 121.2 | 78.6  | 163.7 | 71.1 | 27.4  |
| 27   | 132.7 | 214.8 | 88.7  | 35.4  | 134.5 | 94.3  | 83.0  | 104.1 | 68.7  | 141.0 | 48.7 | 26.7  |
| 28   | 106.6 | 148.5 | 54.8  | 34.7  | 137.3 | 92.6  | 101.6 | 107.4 | 60.2  | 127.3 | 39.0 | 26.7  |
| 29   | 93.5  |       | 45.0  | 32.7  | 120.3 | 84.7  | 91.9  | 102.4 | 60.2  | 162.8 | 34.7 | 28.7  |
| 30   | 82.1  |       | 39.7  | 36.8  | 105.7 | 83.0  | 88.7  | 110.8 | 57.1  | 130.0 | 52.5 | 97.5  |
| 31   | 74.3  |       | 37.5  |       | 97.5  |       | 146.6 | 92.6  |       | 123.8 |      | 77.7  |
| Mean | 232.9 | 194.6 | 57.1  | 55.6  | 233.7 | 126.8 | 112.1 | 137.9 | 83.3  | 257.1 | 67.8 | 47.8  |

Year : 1988

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug. | Sep.  | Oct.  | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|------|
| 1    | 55.6  | 148.5 | 107.4 | 58.7  | 100.7 | 126.5 | 104.1 | 36.1 | 26.7  | 58.7  | 67.2 | 22.8 |
| 2    | 39.0  | 135.5 | 124.7 | 34.7  | 156.1 | 109.0 | 92.6  | 35.4 | 26.7  | 56.3  | 61.0 | 22.8 |
| 3    | 32.0  | 94.3  | 191.8 | 30.6  | 189.8 | 100.7 | 84.7  | 35.4 | 25.4  | 60.2  | 53.2 | 26.1 |
| 4    | 29.3  | 56.3  | 227.8 | 26.7  | 330.4 | 104.9 | 79.5  | 34.7 | 23.5  | 112.5 | 48.0 | 24.8 |
| 5    | 28.0  | 44.2  | 165.7 | 26.1  | 383.7 | 110.8 | 76.8  | 34.7 | 22.8  | 91.1  | 44.2 | 24.1 |
| 6    | 36.8  | 104.1 | 137.3 | 21.5  | 286.9 | 96.7  | 74.3  | 34.7 | 22.8  | 68.0  | 41.2 | 20.2 |
| 7    | 16.4  | 54.0  | 77.7  | 33.4  | 208.5 | 87.9  | 76.0  | 36.1 | 22.8  | 55.6  | 38.2 | 18.3 |
| 8    | 15.2  | 42.0  | 68.0  | 46.5  | 276.3 | 86.3  | 76.0  | 42.0 | 22.8  | 49.5  | 37.5 | 16.4 |
| 9    | 12.8  | 60.2  | 82.1  | 51.0  | 324.2 | 87.1  | 71.1  | 34.7 | 21.5  | 46.5  | 34.7 | 15.8 |
| 10   | 70.3  | 121.2 | 72.0  | 36.8  | 291.6 | 88.7  | 65.6  | 34.7 | 21.5  | 48.7  | 36.8 | 12.8 |
| 11   | 38.2  | 102.4 | 63.3  | 29.3  | 228.9 | 86.3  | 64.1  | 32.0 | 20.8  | 46.5  | 32.7 | 22.2 |
| 12   | 29.3  | 94.3  | 45.0  | 26.7  | 167.7 | 81.2  | 61.8  | 32.0 | 20.2  | 50.2  | 42.0 | 22.2 |
| 13   | 28.7  | 72.7  | 68.0  | 75.1  | 168.7 | 84.7  | 60.2  | 32.0 | 19.6  | 51.0  | 63.3 | 19.6 |
| 14   | 39.0  | 54.0  | 52.5  | 127.3 | 187.7 | 119.4 | 57.9  | 32.0 | 61.8  | 64.9  | 62.6 | 32.7 |
| 15   | 86.3  | 51.0  | 51.0  | 84.7  | 154.1 | 108.2 | 55.6  | 30.6 | 54.0  | 46.5  | 48.0 | 32.7 |
| 16   | 43.5  | 76.8  | 42.0  | 55.6  | 122.9 | 87.9  | 54.0  | 30.0 | 36.1  | 42.0  | 38.2 | 28.0 |
| 17   | 100.7 | 117.6 | 45.0  | 48.0  | 128.2 | 95.1  | 52.5  | 28.7 | 33.4  | 36.8  | 32.7 | 24.1 |
| 18   | 92.6  | 105.7 | 36.1  | 48.0  | 139.2 | 84.7  | 51.0  | 30.6 | 39.0  | 34.7  | 31.3 | 24.1 |
| 19   | 76.0  | 61.0  | 72.0  | 40.5  | 122.9 | 100.7 | 50.2  | 31.3 | 42.0  | 43.5  | 29.3 | 20.8 |
| 20   | 77.7  | 77.7  | 42.0  | 37.5  | 112.5 | 289.2 | 49.5  | 31.3 | 40.5  | 63.3  | 30.0 | 20.8 |
| 21   | 55.6  | 49.5  | 42.0  | 37.5  | 112.5 | 320.5 | 47.2  | 30.6 | 265.9 | 86.3  | 31.3 | 23.5 |
| 22   | 91.9  | 45.0  | 34.7  | 45.0  | 131.0 | 244.4 | 45.7  | 29.3 | 418.1 | 58.7  | 33.4 | 21.5 |
| 23   | 56.3  | 46.5  | 32.7  | 87.9  | 335.3 | 183.6 | 45.0  | 28.0 | 356.7 | 63.3  | 34.0 | 19.6 |
| 24   | 148.5 | 40.5  | 29.3  | 79.5  | 487.0 | 191.8 | 42.7  | 28.0 | 242.1 | 94.3  | 28.0 | 31.3 |
| 25   | 102.4 | 29.3  | 28.7  | 99.1  | 419.4 | 154.1 | 39.7  | 27.4 | 126.5 | 104.1 | 23.5 | 61.8 |
| 26   | 61.8  | 68.0  | 25.4  | 221.3 | 325.5 | 135.5 | 37.5  | 27.4 | 95.9  | 210.6 | 22.2 | 53.2 |
| 27   | 51.0  | 70.3  | 28.0  | 244.4 | 281.0 | 117.6 | 36.1  | 26.7 | 81.2  | 254.5 | 30.6 | 36.1 |
| 28   | 52.5  | 125.6 | 25.4  | 194.9 | 252.3 | 112.5 | 39.0  | 26.7 | 68.7  | 204.2 | 35.4 | 31.3 |
| 29   | 99.1  | 83.9  | 36.1  | 144.7 | 208.5 | 110.8 | 39.0  | 26.7 | 53.2  | 131.8 | 28.0 | 32.7 |
| 30   | 63.3  |       | 36.1  | 112.5 | 158.0 | 96.7  | 39.0  | 22.8 | 58.7  | 89.5  | 26.7 | 38.2 |
| 31   | 61.8  |       | 30.6  |       | 156.1 |       | 37.5  | 28.7 |       | 74.3  |      | 45.0 |
| Mean | 57.8  | 77.0  | 68.4  | 73.5  | 224.1 | 126.8 | 58.3  | 31.3 | 79.0  | 80.6  | 38.8 | 27.3 |

# DAILY MEAN DISCHARGE AT RIO DO SUL (25/25)

| Year | : 1989 |       |       |       |       |      |       |       |       |       |       |       |
|------|--------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun. | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 45.7   | 387.6 | 199.0 | 105.7 | 148.5 | 56.3 | 85.5  | 115.1 | 112.5 | 98.3  | 58.7  | 64.9  |
| 2    | 47.2   | 342.7 | 170.7 | 295.1 | 150.4 | 37.5 | 38.2  | 81.2  | 95.1  | 91.9  | 44.2  | 51.7  |
| 3    | 43.5   | 264.7 | 117.6 | 303.5 | 167.7 | 68.0 | 66.4  | 78.6  | 78.6  | 87.1  | 40.5  | 44.2  |
| 4    | 41.2   | 206.4 | 132.7 | 191.8 | 439.8 | 54.8 | 65.6  | 58.7  | 67.2  | 177.6 | 39.7  | 40.5  |
| 5    | 45.0   | 153.2 | 121.2 | 191.8 | 612.1 | 45.7 | 53.2  | 64.9  | 61.8  | 151.3 | 39.0  | 30.0  |
| 6    | 129.1  | 118.5 | 94.3  | 225.6 | 671.1 | 46.5 | 45.7  | 59.5  | 57.9  | 118.5 | 37.5  | 39.7  |
| 7    | 180.6  | 101.6 | 119.4 | 205.3 | 583.3 | 42.0 | 40.5  | 51.0  | 179.6 | 98.3  | 34.0  | 28.7  |
| 8    | 154.1  | 87.9  | 120.3 | 164.7 | 514.1 | 51.0 | 38.2  | 49.5  | 141.0 | 90.3  | 33.4  | 28.0  |
| 9    | 213.8  | 77.7  | 97.5  | 140.1 | 466.0 | 45.7 | 38.2  | 47.2  | 276.3 | 84.7  | 31.3  | 26.7  |
| 10   | 232.2  | 72.0  | 91.9  | 111.6 | 388.9 | 34.7 | 33.4  | 44.2  | 284.5 | 80.3  | 24.8  | 35.4  |
| 11   | 207.4  | 64.1  | 71.1  | 108.2 | 282.1 | 36.1 | 34.7  | 43.5  | 194.9 | 90.3  | 57.1  | 72.0  |
| 12   | 177.6  | 60.2  | 68.0  | 112.5 | 213.8 | 48.0 | 33.4  | 40.5  | 372.0 | 113.3 | 71.1  | 57.1  |
| 13   | 128.2  | 54.8  | 66.4  | 106.6 | 191.8 | 39.0 | 32.7  | 36.8  | 619.7 | 114.2 | 105.7 | 48.7  |
| 14   | 114.2  | 82.1  | 64.1  | 73.5  | 126.5 | 37.5 | 32.0  | 36.1  | 712.5 | 93.5  | 67.2  | 37.5  |
| 15   | 95.9   | 83.0  | 89.5  | 94.3  | 108.2 | 37.5 | 27.4  | 36.1  | 635.1 | 78.6  | 55.6  | 61.8  |
| 16   | 158.0  | 89.5  | 79.5  | 69.5  | 104.1 | 38.2 | 30.0  | 35.4  | 562.3 | 66.4  | 41.2  | 39.7  |
| 17   | 197.0  | 106.6 | 65.6  | 67.2  | 100.7 | 41.2 | 28.7  | 34.7  | 463.2 | 91.1  | 36.1  | 37.5  |
| 18   | 160.9  | 105.7 | 56.3  | 63.3  | 96.7  | 39.0 | 28.7  | 31.3  | 407.4 | 87.1  | 34.0  | 64.9  |
| 19   | 104.1  | 130.0 | 50.2  | 64.1  | 68.0  | 36.1 | 30.0  | 27.4  | 370.7 | 72.7  | 30.6  | 48.7  |
| 20   | 86.3   | 108.2 | 56.3  | 64.9  | 64.1  | 35.4 | 28.7  | 27.4  | 336.6 | 64.9  | 28.0  | 53.2  |
| 21   | 68.7   | 180.6 | 84.7  | 49.5  | 64.9  | 31.3 | 25.4  | 37.5  | 237.7 | 61.8  | 72.0  | 42.7  |
| 22   | 60.2   | 192.8 | 87.1  | 48.7  | 68.0  | 42.7 | 24.8  | 40.5  | 172.7 | 59.5  | 54.0  | 39.0  |
| 23   | 56.3   | 279.8 | 72.0  | 48.7  | 67.2  | 36.8 | 28.0  | 107.4 | 122.9 | 55.6  | 57.1  | 30.6  |
| 24   | 83.9   | 365.6 | 47.2  | 47.2  | 68.7  | 28.0 | 27.4  | 79.5  | 156.1 | 53.2  | 76.0  | 26.7  |
| 25   | 141.0  | 337.8 | 67.2  | 48.7  | 68.0  | 35.4 | 30.6  | 113.3 | 218.1 | 52.5  | 55.6  | 24.1  |
| 26   | 145.7  | 260.2 | 122.0 | 45.7  | 64.9  | 71.1 | 42.7  | 162.8 | 169.7 | 49.5  | 42.0  | 24.1  |
| 27   | 256.8  | 202.2 | 179.6 | 42.7  | 60.2  | 40.5 | 85.5  | 146.6 | 128.2 | 79.5  | 36.8  | 22.8  |
| 28   | 525.6  | 171.7 | 133.6 | 42.0  | 56.3  | 35.4 | 220.2 | 39.7  | 112.5 | 87.1  | 35.4  | 21.5  |
| 29   | 535.8  |       | 93.5  | 51.7  | 52.5  | 28.7 | 193.8 | 97.2  | 115.1 | 62.6  | 57.9  | 68.7  |
| 30   | 408.8  |       | 71.1  | 68.0  | 53.2  | 30.0 | 136.4 | 80.1  | 111.6 | 53.2  | 71.1  | 124.7 |
| 31   | 433.0  |       | 92.6  |       | 51.0  |      | 134.5 | 71.8  |       | 45.0  |       | 96.7  |
| Mean | 170.3  | 167.4 | 96.2  | 108.4 | 199.1 | 41.7 | 56.8  | 63.7  | 252.5 | 84.2  | 48.9  | 46.2  |

| Year | : 1990 |       |       |       |       |       |       |       |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 158.9  | 116.8 | 122.9 | 204.2 | 156.1 | 636.7 | 90.3  | 138.2 | 157.0 | 185.7 | 204.2 | 103.2 |
| 2    | 368.1  | 117.6 | 104.9 | 163.7 | 117.6 | 661.6 | 87.1  | 127.3 | 149.4 | 178.6 | 247.7 | 96.7  |
| 3    | 419.4  | 103.2 | 90.3  | 158.9 | 97.5  | 601.4 | 84.7  | 122.0 | 131.8 | 166.7 | 162.8 | 101.6 |
| 4    | 394.1  | 89.5  | 84.7  | 155.1 | 84.7  | 543.2 | 94.3  | 112.5 | 132.7 | 145.7 | 136.4 | 117.6 |
| 5    | 307.2  | 80.3  | 172.7 | 127.3 | 77.7  | 504.0 | 141.0 | 101.6 | 134.5 | 122.9 | 154.1 | 105.7 |
| 6    | 213.8  | 73.5  | 225.6 | 190.8 | 72.0  | 784.5 | 131.8 | 92.6  | 134.5 | 118.5 | 136.4 | 92.6  |
| 7    | 145.7  | 72.0  | 192.8 | 217.0 | 68.7  | 650.6 | 132.7 | 98.3  | 162.8 | 116.8 | 123.8 | 90.3  |
| 8    | 140.1  | 64.1  | 163.7 | 248.9 | 68.0  | 636.7 | 118.5 | 91.1  | 303.5 | 109.9 | 117.6 | 81.2  |
| 9    | 167.7  | 63.3  | 129.1 | 321.8 | 65.6  | 628.9 | 103.2 | 86.3  | 433.0 | 141.0 | 346.6 | 72.0  |
| 10   | 243.3  | 141.0 | 115.9 | 281.0 | 63.3  | 532.8 | 99.9  | 84.7  | 355.4 | 450.7 | 498.4 | 68.0  |
| 11   | 290.4  | 178.6 | 99.9  | 237.7 | 61.0  | 467.3 | 88.7  | 81.2  | 234.4 | 501.2 | 450.7 | 72.0  |
| 12   | 532.8  | 262.5 | 84.7  | 176.6 | 57.9  | 424.8 | 83.0  | 76.8  | 210.6 | 437.1 | 437.1 | 89.5  |
| 13   | 540.2  | 470.1 | 86.3  | 135.5 | 54.8  | 337.8 | 80.3  | 74.3  | 383.7 | 540.2 | 372.0 | 104.1 |
| 14   | 426.2  | 560.9 | 103.2 | 124.7 | 54.0  | 296.3 | 76.0  | 73.5  | 355.4 | 649.1 | 306.0 | 201.1 |
| 15   | 423.5  | 498.4 | 183.6 | 107.4 | 53.2  | 290.4 | 73.5  | 72.7  | 286.9 | 818.0 | 225.6 | 176.6 |
| 16   | 399.5  | 420.7 | 157.0 | 99.9  | 51.0  | 265.9 | 83.0  | 92.6  | 187.7 | 707.7 | 204.2 | 118.5 |
| 17   | 379.8  | 314.4 | 199.0 | 97.5  | 53.2  | 214.8 | 118.5 | 146.6 | 166.7 | 678.9 | 310.8 | 84.7  |
| 18   | 354.2  | 233.3 | 171.7 | 88.7  | 74.3  | 172.7 | 296.3 | 113.3 | 148.5 | 598.3 | 326.7 | 76.0  |
| 19   | 479.9  | 183.6 | 139.2 | 82.1  | 69.5  | 122.0 | 464.6 | 184.7 | 133.6 | 543.2 | 290.4 | 69.5  |
| 20   | 470.1  | 123.8 | 139.2 | 78.6  | 54.0  | 107.4 | 532.8 | 470.1 | 127.3 | 512.7 | 246.6 | 64.1  |
| 21   | 449.3  | 107.4 | 118.5 | 76.0  | 49.5  | 168.7 | 655.3 | 435.7 | 133.6 | 466.0 | 288.0 | 61.0  |
| 22   | 463.2  | 140.1 | 99.1  | 74.3  | 48.0  | 185.7 | 583.3 | 294.0 | 203.2 | 418.1 | 337.8 | 54.8  |
| 23   | 512.7  | 183.6 | 83.0  | 76.8  | 46.5  | 152.3 | 553.5 | 203.2 | 270.5 | 318.0 | 282.1 | 54.0  |
| 24   | 485.6  | 188.7 | 154.1 | 76.0  | 45.0  | 132.7 | 501.2 | 158.0 | 214.8 | 279.8 | 225.6 | 54.0  |
| 25   | 394.1  | 165.7 | 148.5 | 80.3  | 43.5  | 110.8 | 441.1 | 142.0 | 178.6 | 233.3 | 194.9 | 63.3  |
| 26   | 364.3  | 187.7 | 130.0 | 87.1  | 43.5  | 139.2 | 332.9 | 158.9 | 144.7 | 173.6 | 201.1 | 74.3  |
| 27   | 307.2  | 167.7 | 109.0 | 69.5  | 42.0  | 124.7 | 288.0 | 324.2 | 127.3 | 145.7 | 198.0 | 60.2  |
| 28   | 269.3  | 142.0 | 121.2 | 132.7 | 40.5  | 107.4 | 231.1 | 410.1 | 119.4 | 136.4 | 157.0 | 52.5  |
| 29   | 268.2  |       | 104.9 | 172.7 | 61.0  | 101.6 | 188.7 | 309.6 | 124.7 | 127.3 | 115.1 | 85.5  |
| 30   | 175.6  |       | 127.3 | 207.4 | 492.7 | 96.7  | 164.7 | 225.6 | 172.7 | 122.9 | 107.4 | 74.3  |
| 31   | 123.8  |       | 173.6 |       | 569.8 |       | 148.5 | 178.6 |       | 122.0 |       | 61.8  |
| Mean | 344.1  | 194.7 | 133.4 | 145.0 | 94.7  | 340.0 | 228.0 | 170.3 | 200.6 | 331.2 | 246.8 | 86.5  |

#### **4. Daily Mean Discharge at Apiuna**

# DAILY MEAN DISCHARGE AT APIUNA (1/25)

| Year | : 1941 |       |       |       |       |       |       |       |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 98.4   | 108.8 | 143.0 | 105.8 | 85.7  | 176.1 | 121.8 | 114.0 | 74.2  | 114.0 | 61.0  | 204.0 |
| 2    | 76.5   | 131.4 | 170.0 | 94.1  | 140.1 | 149.0 | 113.1 | 496.0 | 69.6  | 103.6 | 57.0  | 226.4 |
| 3    | 65.0   | 114.0 | 149.0 | 86.8  | 93.2  | 122.7 | 107.1 | 771.5 | 108.8 | 93.2  | 55.0  | 197.8 |
| 4    | 59.0   | 119.8 | 143.0 | 80.8  | 119.8 | 111.4 | 101.3 | 614.5 | 182.3 | 98.4  | 88.0  | 170.0 |
| 5    | 51.0   | 149.0 | 137.2 | 73.6  | 155.0 | 98.4  | 96.9  | 601.4 | 152.0 | 137.2 | 131.4 | 149.0 |
| 6    | 47.0   | 276.8 | 114.0 | 67.8  | 176.1 | 88.0  | 92.6  | 504.0 | 103.6 | 149.0 | 152.0 | 128.5 |
| 7    | 88.0   | 236.0 | 101.0 | 60.5  | 161.0 | 78.8  | 86.8  | 365.2 | 90.6  | 152.0 | 143.0 | 111.4 |
| 8    | 273.4  | 182.3 | 88.0  | 59.0  | 143.0 | 74.2  | 82.3  | 276.8 | 88.0  | 249.6 | 122.7 | 103.6 |
| 9    | 300.6  | 216.8 | 76.5  | 57.7  | 108.8 | 69.6  | 78.0  | 220.0 | 81.1  | 440.6 | 114.0 | 116.9 |
| 10   | 239.4  | 270.0 | 74.2  | 56.4  | 95.8  | 65.0  | 75.1  | 188.5 | 74.2  | 500.0 | 108.8 | 140.1 |
| 11   | 188.5  | 253.0 | 65.0  | 53.7  | 85.7  | 78.8  | 72.2  | 170.0 | 69.6  | 347.2 | 85.7  | 122.7 |
| 12   | 155.0  | 204.0 | 65.0  | 52.2  | 76.5  | 197.8 | 69.3  | 140.1 | 65.0  | 276.8 | 131.4 | 101.0 |
| 13   | 152.0  | 194.7 | 63.0  | 49.6  | 74.2  | 524.0 | 65.0  | 128.5 | 69.6  | 216.8 | 440.6 | 128.5 |
| 14   | 173.0  | 256.4 | 114.0 | 48.3  | 83.4  | 358.0 | 63.5  | 128.5 | 78.8  | 182.3 | 398.8 | 167.0 |
| 15   | 167.0  | 290.4 | 300.6 | 45.5  | 119.8 | 229.6 | 60.5  | 134.3 | 106.2 | 161.0 | 253.0 | 197.8 |
| 16   | 204.0  | 256.4 | 391.2 | 44.3  | 197.8 | 188.5 | 56.4  | 158.0 | 81.1  | 149.0 | 191.6 | 167.0 |
| 17   | 204.0  | 216.8 | 290.4 | 75.1  | 143.0 | 161.0 | 57.7  | 197.8 | 67.3  | 167.0 | 696.9 | 131.4 |
| 18   | 191.6  | 185.4 | 173.0 | 192.4 | 108.8 | 161.0 | 63.5  | 336.4 | 63.0  | 170.0 | 662.2 | 114.0 |
| 19   | 161.0  | 236.0 | 137.2 | 107.1 | 85.7  | 197.8 | 62.0  | 332.8 | 61.0  | 140.1 | 425.4 | 108.8 |
| 20   | 108.8  | 210.4 | 114.0 | 79.5  | 83.4  | 223.2 | 57.7  | 210.4 | 93.2  | 122.7 | 283.6 | 114.0 |
| 21   | 93.2   | 185.4 | 161.0 | 65.0  | 74.2  | 204.0 | 56.4  | 179.2 | 372.4 | 111.4 | 210.4 | 161.0 |
| 22   | 88.0   | 152.0 | 270.0 | 59.0  | 67.3  | 191.6 | 55.0  | 143.0 | 365.2 | 101.0 | 220.0 | 158.0 |
| 23   | 125.6  | 143.0 | 242.8 | 57.7  | 71.9  | 200.9 | 53.7  | 137.2 | 259.8 | 93.2  | 311.2 | 122.7 |
| 24   | 140.1  | 140.1 | 236.0 | 53.7  | 65.0  | 226.4 | 53.7  | 125.6 | 223.2 | 88.0  | 259.8 | 106.2 |
| 25   | 114.0  | 131.4 | 256.4 | 52.2  | 65.0  | 229.6 | 53.7  | 108.8 | 204.0 | 83.4  | 207.2 | 90.6  |
| 26   | 95.8   | 114.0 | 276.8 | 50.9  | 71.9  | 210.4 | 52.2  | 101.0 | 179.2 | 78.8  | 173.0 | 88.0  |
| 27   | 88.0   | 108.8 | 210.4 | 49.6  | 93.2  | 188.5 | 121.8 | 90.6  | 161.0 | 78.8  | 161.0 | 74.2  |
| 28   | 71.9   | 111.4 | 179.2 | 48.3  | 194.7 | 158.0 | 149.8 | 88.0  | 143.0 | 74.2  | 143.0 | 69.6  |
| 29   | 67.3   |       | 143.0 | 47.0  | 232.8 | 146.0 | 94.1  | 83.4  | 125.6 | 74.2  | 143.0 | 76.5  |
| 30   | 63.0   |       | 125.6 | 49.6  | 167.0 | 137.2 | 75.1  | 78.8  | 119.8 | 69.6  | 134.3 | 83.4  |
| 31   | 67.3   |       | 114.0 |       | 152.0 |       | 65.0  | 74.2  |       | 65.0  |       | 90.6  |
| Mean | 129.6  | 185.5 | 165.3 | 67.4  | 115.9 | 174.9 | 77.8  | 235.4 | 131.1 | 157.7 | 218.8 | 129.7 |

| Year | : 1942 |       |       |       |       |       |       |       |       |       |      |       |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov. | Dec.  |
| 1    | 88.0   | 125.6 | 103.6 | 492.0 | 152.0 | 63.0  | 90.6  | 155.0 | 101.0 | 220.0 | 47.0 | 74.2  |
| 2    | 76.5   | 103.6 | 93.2  | 322.0 | 158.0 | 61.0  | 83.4  | 176.1 | 93.2  | 179.2 | 43.4 | 65.0  |
| 3    | 67.3   | 98.4  | 78.8  | 223.2 | 146.0 | 61.0  | 93.2  | 140.1 | 83.4  | 155.0 | 41.7 | 51.0  |
| 4    | 59.0   | 93.2  | 69.6  | 179.2 | 140.1 | 61.0  | 149.0 | 128.5 | 83.4  | 131.4 | 41.7 | 47.0  |
| 5    | 69.6   | 140.1 | 134.3 | 158.0 | 152.0 | 59.0  | 287.0 | 119.8 | 90.6  | 119.8 | 40.1 | 41.7  |
| 6    | 74.2   | 464.0 | 164.0 | 140.1 | 146.0 | 57.0  | 256.4 | 111.4 | 101.0 | 108.8 | 38.5 | 40.1  |
| 7    | 63.0   | 771.5 | 149.0 | 152.0 | 143.0 | 55.0  | 191.6 | 116.9 | 101.0 | 108.8 | 38.5 | 38.5  |
| 8    | 57.0   | 879.5 | 119.8 | 304.0 | 125.6 | 63.0  | 173.0 | 128.5 | 85.7  | 128.5 | 40.1 | 49.0  |
| 9    | 51.0   | 696.9 | 83.4  | 350.8 | 111.4 | 83.4  | 173.0 | 119.8 | 76.5  | 140.1 | 38.5 | 61.0  |
| 10   | 45.0   | 536.3 | 67.3  | 246.2 | 98.4  | 116.9 | 155.0 | 111.4 | 69.6  | 116.9 | 38.5 | 59.0  |
| 11   | 47.0   | 387.4 | 65.0  | 197.8 | 88.0  | 98.4  | 140.1 | 103.6 | 69.6  | 101.0 | 38.5 | 76.5  |
| 12   | 43.4   | 304.0 | 65.0  | 155.0 | 85.7  | 78.8  | 125.6 | 98.4  | 67.3  | 93.2  | 38.5 | 114.0 |
| 13   | 41.7   | 239.4 | 61.0  | 140.1 | 98.4  | 65.0  | 122.7 | 90.6  | 65.0  | 88.0  | 36.8 | 101.0 |
| 14   | 45.0   | 188.5 | 61.0  | 131.4 | 106.2 | 78.8  | 111.4 | 85.7  | 61.0  | 81.1  | 35.2 | 122.7 |
| 15   | 45.0   | 158.0 | 83.4  | 131.4 | 143.0 | 103.6 | 106.2 | 83.4  | 65.0  | 78.8  | 49.0 | 134.3 |
| 16   | 61.0   | 134.3 | 119.8 | 119.8 | 290.4 | 108.8 | 101.0 | 78.8  | 81.1  | 76.5  | 43.4 | 116.9 |
| 17   | 74.2   | 266.6 | 246.2 | 108.8 | 259.8 | 125.6 | 98.4  | 71.9  | 85.7  | 74.2  | 47.0 | 88.0  |
| 18   | 57.0   | 223.2 | 216.8 | 106.2 | 204.0 | 379.8 | 85.7  | 69.6  | 93.2  | 69.6  | 69.6 | 67.3  |
| 19   | 53.0   | 185.4 | 185.4 | 101.0 | 164.0 | 736.0 | 101.0 | 67.3  | 119.8 | 65.0  | 78.8 | 53.0  |
| 20   | 78.8   | 161.0 | 164.0 | 95.8  | 146.0 | 456.0 | 114.0 | 69.6  | 152.0 | 61.0  | 69.6 | 47.0  |
| 21   | 98.4   | 140.1 | 242.8 | 101.0 | 134.3 | 311.2 | 106.2 | 74.2  | 161.0 | 61.0  | 55.0 | 43.4  |
| 22   | 69.6   | 119.8 | 276.8 | 106.2 | 111.4 | 236.0 | 98.4  | 83.4  | 119.8 | 61.0  | 49.0 | 38.5  |
| 23   | 47.0   | 101.0 | 200.9 | 108.8 | 103.6 | 197.8 | 88.0  | 106.2 | 103.6 | 61.0  | 45.0 | 38.5  |
| 24   | 41.7   | 88.0  | 152.0 | 98.4  | 95.8  | 167.0 | 81.1  | 226.4 | 101.0 | 61.0  | 38.5 | 36.8  |
| 25   | 36.8   | 85.7  | 114.0 | 88.0  | 88.0  | 149.0 | 78.8  | 314.8 | 140.1 | 65.0  | 38.5 | 35.2  |
| 26   | 35.2   | 78.8  | 108.8 | 85.7  | 81.1  | 131.4 | 74.2  | 253.0 | 170.0 | 63.0  | 38.5 | 33.6  |
| 27   | 33.6   | 74.2  | 101.0 | 95.8  | 76.5  | 119.8 | 71.9  | 164.0 | 170.0 | 57.0  | 51.0 | 35.2  |
| 28   | 74.2   | 88.0  | 108.8 | 119.8 | 74.2  | 108.8 | 71.9  | 146.0 | 152.0 | 55.0  | 57.0 | 40.1  |
| 29   | 134.3  |       | 122.7 | 140.1 | 67.3  | 101.0 | 74.2  | 137.2 | 137.2 | 53.0  | 51.0 | 35.2  |
| 30   | 182.3  |       | 226.4 | 152.0 | 65.0  | 95.8  | 83.4  | 119.8 | 161.0 | 51.0  | 59.0 | 33.6  |
| 31   | 146.0  |       | 592.8 |       | 63.0  |       | 111.4 | 108.8 |       | 49.0  |      | 32.0  |
| Mean | 67.6   | 247.6 | 147.7 | 165.0 | 126.4 | 151.0 | 119.3 | 124.5 | 105.4 | 91.4  | 46.6 | 59.7  |

Note : unit ; cms



# DAILY MEAN DISCHARGE AT APIUNA (2/25)

| Year | : 1943 |       |      |      |       |       |       |        |       |       |       |       |
|------|--------|-------|------|------|-------|-------|-------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar. | Apr. | May   | Jun.  | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 30.3   | 125.6 | 47.0 | 50.9 | 21.0  | 540.7 | 88.0  | 762.5  | 143.0 | 143.0 | 82.3  | 45.0  |
| 2    | 27.4   | 131.4 | 44.3 | 31.9 | 19.7  | 421.6 | 88.0  | 1498.3 | 188.5 | 134.3 | 82.3  | 45.0  |
| 3    | 30.3   | 101.0 | 43.0 | 25.6 | 18.5  | 329.2 | 106.2 | 1804.1 | 270.0 | 125.6 | 142.3 | 49.0  |
| 4    | 43.4   | 76.5  | 40.5 | 23.1 | 18.5  | 311.2 | 119.8 | 1247.5 | 229.6 | 125.6 | 360.9 | 57.0  |
| 5    | 41.7   | 65.0  | 38.0 | 23.1 | 17.2  | 287.0 | 152.0 | 911.0  | 185.4 | 176.1 | 276.7 | 63.0  |
| 6    | 38.5   | 59.0  | 35.5 | 23.1 | 15.9  | 246.2 | 143.0 | 597.1  | 164.0 | 170.0 | 185.0 | 59.0  |
| 7    | 38.5   | 49.0  | 34.4 | 22.0 | 15.9  | 379.8 | 137.2 | 361.6  | 143.0 | 167.0 | 142.3 | 55.0  |
| 8    | 36.8   | 40.1  | 33.1 | 22.0 | 15.0  | 347.2 | 137.2 | 280.2  | 134.3 | 149.0 | 121.8 | 49.0  |
| 9    | 35.2   | 49.0  | 31.9 | 20.7 | 15.9  | 549.4 | 155.0 | 246.2  | 137.2 | 134.3 | 108.6 | 47.0  |
| 10   | 32.0   | 125.6 | 30.6 | 23.1 | 15.9  | 520.0 | 161.0 | 220.0  | 125.6 | 164.0 | 99.8  | 51.0  |
| 11   | 28.7   | 170.0 | 30.6 | 24.5 | 15.0  | 387.4 | 220.0 | 223.2  | 125.6 | 161.0 | 102.8 | 61.0  |
| 12   | 23.6   | 128.5 | 29.4 | 24.5 | 14.1  | 297.2 | 383.6 | 236.0  | 131.4 | 140.1 | 96.9  | 90.6  |
| 13   | 22.3   | 98.4  | 28.1 | 24.5 | 14.1  | 280.2 | 350.8 | 210.4  | 223.2 | 131.4 | 88.1  | 146.0 |
| 14   | 21.0   | 85.7  | 47.0 | 24.5 | 14.1  | 246.2 | 287.0 | 170.0  | 383.6 | 125.6 | 79.5  | 131.4 |
| 15   | 23.6   | 65.0  | 62.0 | 25.6 | 14.1  | 200.9 | 226.4 | 152.0  | 332.8 | 200.9 | 73.6  | 93.2  |
| 16   | 22.3   | 63.0  | 36.9 | 39.3 | 14.1  | 200.9 | 179.2 | 140.1  | 249.6 | 229.6 | 69.3  | 71.9  |
| 17   | 21.0   | 69.6  | 30.6 | 57.7 | 14.1  | 236.0 | 149.0 | 134.3  | 200.9 | 176.1 | 69.3  | 69.6  |
| 18   | 43.4   | 57.0  | 28.1 | 52.2 | 14.1  | 259.8 | 134.3 | 122.7  | 188.5 | 152.0 | 98.3  | 59.0  |
| 19   | 63.0   | 57.0  | 28.1 | 39.3 | 13.2  | 246.2 | 125.6 | 111.4  | 194.7 | 125.6 | 99.8  | 53.0  |
| 20   | 85.7   | 51.0  | 26.9 | 34.4 | 12.3  | 229.6 | 114.0 | 108.8  | 242.8 | 119.8 | 83.8  | 49.0  |
| 21   | 63.0   | 49.0  | 25.6 | 29.4 | 13.2  | 207.2 | 103.6 | 149.0  | 223.2 | 108.8 | 75.1  | 45.0  |
| 22   | 40.1   | 61.0  | 24.5 | 25.6 | 17.2  | 194.7 | 93.2  | 861.5  | 287.0 | 108.8 | 66.3  | 41.7  |
| 23   | 35.2   | 71.9  | 26.9 | 23.1 | 134.3 | 182.3 | 83.4  | 834.5  | 376.0 | 108.8 | 60.5  | 41.7  |
| 24   | 49.0   | 61.0  | 38.0 | 23.1 | 332.8 | 173.0 | 78.8  | 484.0  | 318.4 | 103.6 | 55.0  | 41.7  |
| 25   | 125.6  | 55.0  | 34.4 | 20.7 | 239.4 | 152.0 | 76.5  | 417.8  | 229.6 | 90.6  | 53.7  | 41.7  |
| 26   | 167.0  | 51.0  | 28.1 | 20.7 | 131.4 | 140.1 | 71.9  | 287.0  | 210.4 | 88.0  | 53.7  | 47.0  |
| 27   | 116.9  | 49.0  | 24.5 | 20.7 | 106.2 | 122.7 | 69.6  | 236.0  | 204.0 | 81.1  | 50.9  | 49.0  |
| 28   | 83.4   | 47.0  | 23.1 | 19.5 | 85.7  | 103.6 | 67.3  | 207.2  | 197.8 | 88.0  | 49.6  | 45.0  |
| 29   | 71.9   |       | 38.0 | 19.5 | 125.6 | 88.0  | 65.0  | 182.3  | 176.1 | 98.4  | 48.3  | 28.7  |
| 30   | 57.0   |       | 49.6 | 18.4 | 213.6 | 88.0  | 270.0 | 149.0  | 155.0 | 93.2  | 47.0  | 36.8  |
| 31   | 71.9   |       | 50.9 |      | 460.0 |       | 906.5 | 143.0  |       | 88.0  |       | 35.2  |
| Mean | 51.3   | 75.4  | 35.1 | 27.8 | 70.1  | 265.6 | 172.4 | 435.1  | 212.4 | 132.5 | 100.8 | 58.0  |

| Year | : 1944 |       |       |       |      |      |      |       |       |      |       |      |
|------|--------|-------|-------|-------|------|------|------|-------|-------|------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun. | Jul. | Aug.  | Sep.  | Oct. | Nov.  | Dec. |
| 1    | 35.2   | 101.0 | 65.0  | 51.0  | 30.3 | 19.7 | 24.9 | 18.5  | 191.6 | 22.3 | 27.4  | 69.6 |
| 2    | 36.8   | 119.8 | 53.0  | 49.0  | 28.7 | 19.7 | 22.3 | 18.5  | 137.2 | 21.0 | 24.9  | 55.0 |
| 3    | 43.4   | 116.9 | 53.0  | 45.0  | 28.7 | 18.5 | 23.6 | 18.5  | 85.7  | 19.7 | 27.4  | 45.0 |
| 4    | 65.0   | 101.0 | 49.0  | 43.4  | 28.7 | 19.7 | 23.6 | 18.5  | 61.0  | 19.7 | 36.8  | 49.0 |
| 5    | 63.0   | 88.0  | 53.0  | 40.1  | 27.4 | 21.0 | 28.7 | 18.5  | 53.0  | 21.0 | 36.8  | 57.0 |
| 6    | 53.0   | 71.9  | 57.0  | 38.5  | 26.1 | 21.0 | 43.4 | 17.2  | 45.0  | 35.2 | 36.8  | 53.0 |
| 7    | 65.0   | 65.0  | 69.6  | 36.8  | 24.9 | 21.0 | 71.9 | 17.2  | 49.0  | 32.0 | 47.0  | 49.0 |
| 8    | 88.0   | 61.0  | 55.0  | 35.2  | 23.6 | 22.3 | 61.0 | 19.7  | 59.0  | 30.3 | 103.6 | 43.4 |
| 9    | 111.4  | 57.0  | 53.0  | 35.2  | 24.9 | 23.6 | 40.1 | 22.3  | 69.6  | 28.7 | 256.4 | 38.5 |
| 10   | 197.8  | 55.0  | 51.0  | 33.6  | 26.1 | 22.3 | 35.2 | 23.6  | 57.0  | 32.0 | 194.7 | 35.2 |
| 11   | 270.0  | 49.0  | 57.0  | 32.0  | 26.1 | 21.0 | 32.0 | 21.0  | 45.0  | 38.5 | 131.4 | 32.0 |
| 12   | 197.8  | 45.0  | 78.8  | 35.2  | 26.1 | 19.7 | 33.6 | 19.7  | 40.1  | 35.2 | 98.4  | 28.7 |
| 13   | 361.6  | 40.1  | 332.8 | 32.0  | 26.1 | 18.5 | 32.0 | 19.7  | 35.2  | 35.2 | 74.2  | 26.1 |
| 14   | 379.8  | 38.5  | 468.0 | 32.0  | 26.1 | 18.5 | 30.3 | 18.5  | 32.0  | 40.1 | 76.5  | 23.6 |
| 15   | 314.8  | 36.8  | 365.2 | 30.3  | 26.1 | 18.5 | 28.7 | 18.5  | 30.3  | 88.0 | 93.2  | 21.0 |
| 16   | 307.6  | 41.7  | 236.0 | 30.3  | 24.9 | 18.5 | 27.4 | 18.5  | 28.7  | 71.9 | 88.0  | 19.7 |
| 17   | 332.8  | 55.0  | 200.9 | 33.6  | 24.9 | 17.2 | 26.1 | 18.5  | 28.7  | 59.0 | 67.3  | 18.5 |
| 18   | 239.4  | 49.0  | 259.8 | 40.1  | 24.9 | 19.7 | 24.9 | 18.5  | 27.4  | 57.0 | 53.0  | 19.7 |
| 19   | 182.3  | 49.0  | 440.6 | 53.0  | 27.4 | 33.6 | 24.9 | 18.5  | 26.1  | 53.0 | 45.0  | 19.7 |
| 20   | 149.0  | 45.0  | 270.0 | 98.4  | 27.4 | 61.0 | 23.6 | 18.5  | 26.1  | 45.0 | 41.7  | 18.5 |
| 21   | 125.6  | 55.0  | 197.8 | 125.6 | 27.4 | 49.0 | 23.6 | 18.5  | 24.9  | 40.1 | 36.8  | 17.2 |
| 22   | 114.0  | 65.0  | 155.0 | 90.6  | 26.1 | 47.0 | 23.6 | 18.5  | 24.9  | 35.2 | 35.2  | 15.9 |
| 23   | 103.6  | 88.0  | 125.6 | 59.0  | 26.1 | 67.3 | 23.6 | 18.5  | 23.6  | 32.0 | 33.6  | 15.9 |
| 24   | 111.4  | 69.6  | 111.4 | 45.0  | 26.1 | 55.0 | 22.3 | 18.5  | 23.6  | 28.7 | 30.3  | 19.7 |
| 25   | 103.6  | 65.0  | 88.0  | 43.4  | 26.1 | 45.0 | 22.3 | 18.5  | 23.6  | 26.1 | 36.8  | 21.0 |
| 26   | 108.8  | 67.3  | 76.5  | 40.1  | 26.1 | 35.2 | 21.0 | 17.2  | 23.6  | 43.4 | 90.6  | 26.1 |
| 27   | 101.0  | 74.2  | 65.0  | 35.2  | 26.1 | 30.3 | 19.7 | 17.2  | 23.6  | 57.0 | 220.0 | 23.6 |
| 28   | 98.4   | 83.4  | 59.0  | 33.6  | 24.9 | 28.7 | 19.7 | 17.2  | 24.9  | 47.0 | 173.0 | 23.6 |
| 29   | 143.0  | 71.9  | 57.0  | 32.0  | 23.6 | 26.1 | 18.5 | 32.0  | 26.1  | 41.7 | 111.4 | 21.0 |
| 30   | 143.0  |       | 51.0  | 30.3  | 23.6 | 24.9 | 18.5 | 131.4 | 24.9  | 40.1 | 88.0  | 18.5 |
| 31   | 114.0  |       | 51.0  |       | 21.0 |      | 18.5 | 191.6 |       | 33.6 |       | 18.5 |
| Mean | 153.6  | 66.4  | 138.9 | 45.3  | 26.0 | 28.8 | 28.7 | 28.4  | 45.7  | 39.0 | 80.5  | 30.4 |

# DAILY MEAN DISCHARGE AT APIUNA (3/25)

| Year | : 1945 |       |       |       |      |      |       |      |       |       |      |       |
|------|--------|-------|-------|-------|------|------|-------|------|-------|-------|------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun. | Jul.  | Aug. | Sep.  | Oct.  | Nov. | Dec.  |
| 1    | 19.7   | 67.3  | 119.8 | 30.3  | 24.9 | 15.0 | 22.3  | 38.5 | 32.0  | 65.0  | 57.0 | 30.3  |
| 2    | 18.5   | 85.7  | 90.6  | 26.1  | 26.1 | 14.1 | 21.0  | 47.0 | 33.6  | 57.0  | 53.0 | 27.4  |
| 3    | 17.2   | 65.0  | 78.8  | 23.6  | 24.9 | 13.2 | 21.0  | 38.5 | 74.2  | 53.0  | 49.0 | 23.6  |
| 4    | 15.9   | 41.7  | 76.5  | 22.3  | 21.0 | 14.1 | 19.7  | 35.2 | 71.9  | 53.0  | 40.1 | 19.7  |
| 5    | 15.0   | 32.0  | 69.6  | 22.3  | 18.5 | 23.6 | 22.3  | 33.6 | 65.0  | 71.9  | 35.2 | 21.0  |
| 6    | 14.1   | 32.0  | 55.0  | 22.3  | 18.5 | 40.1 | 26.1  | 32.0 | 63.0  | 185.4 | 35.2 | 49.0  |
| 7    | 14.1   | 45.0  | 49.0  | 21.0  | 17.2 | 43.4 | 30.3  | 30.3 | 51.0  | 246.2 | 35.2 | 45.0  |
| 8    | 13.2   | 63.0  | 49.0  | 21.0  | 15.9 | 33.6 | 28.7  | 28.7 | 45.0  | 242.8 | 33.6 | 38.5  |
| 9    | 13.2   | 90.6  | 45.0  | 19.7  | 15.9 | 26.1 | 155.0 | 26.1 | 45.0  | 213.6 | 30.3 | 30.3  |
| 10   | 12.3   | 78.8  | 45.0  | 32.0  | 15.9 | 22.3 | 406.4 | 26.1 | 57.0  | 173.0 | 30.3 | 23.6  |
| 11   | 11.4   | 57.0  | 40.1  | 55.0  | 18.5 | 19.7 | 242.8 | 24.9 | 61.0  | 146.0 | 28.7 | 22.3  |
| 12   | 10.6   | 45.0  | 36.8  | 114.0 | 17.2 | 18.5 | 158.0 | 24.9 | 53.0  | 114.0 | 28.7 | 19.7  |
| 13   | 10.6   | 35.2  | 33.6  | 134.3 | 15.9 | 17.2 | 108.8 | 23.6 | 49.0  | 95.8  | 28.7 | 18.5  |
| 14   | 9.7    | 28.7  | 30.3  | 74.2  | 18.5 | 15.9 | 78.8  | 22.3 | 49.0  | 83.4  | 27.4 | 18.5  |
| 15   | 8.8    | 23.6  | 57.0  | 51.0  | 18.5 | 15.9 | 65.0  | 22.3 | 69.6  | 71.9  | 26.1 | 21.0  |
| 16   | 7.9    | 33.6  | 57.0  | 38.5  | 17.2 | 15.9 | 57.0  | 21.0 | 146.0 | 61.0  | 27.4 | 57.0  |
| 17   | 7.9    | 51.0  | 51.0  | 32.0  | 15.9 | 15.0 | 49.0  | 19.7 | 146.0 | 57.0  | 30.3 | 103.6 |
| 18   | 7.9    | 210.4 | 45.0  | 28.7  | 21.0 | 15.0 | 45.0  | 18.5 | 128.5 | 53.0  | 26.1 | 101.0 |
| 19   | 7.9    | 398.8 | 36.8  | 23.6  | 28.7 | 15.0 | 41.7  | 18.5 | 101.0 | 49.0  | 23.6 | 65.0  |
| 20   | 8.8    | 532.0 | 33.6  | 22.3  | 26.1 | 17.2 | 38.5  | 21.0 | 81.1  | 45.0  | 19.7 | 47.0  |
| 21   | 13.2   | 283.6 | 30.3  | 24.9  | 23.6 | 47.0 | 36.8  | 30.3 | 71.9  | 41.7  | 19.7 | 36.8  |
| 22   | 18.5   | 167.0 | 28.7  | 27.4  | 21.0 | 35.2 | 35.2  | 38.5 | 67.3  | 36.8  | 22.3 | 32.0  |
| 23   | 21.0   | 128.5 | 26.1  | 26.1  | 18.5 | 38.5 | 33.6  | 45.0 | 71.9  | 33.6  | 23.6 | 30.3  |
| 24   | 18.5   | 108.8 | 26.1  | 24.9  | 18.5 | 41.7 | 32.0  | 40.1 | 78.8  | 32.0  | 22.3 | 28.7  |
| 25   | 15.9   | 103.6 | 27.4  | 21.0  | 17.2 | 41.7 | 32.0  | 36.8 | 74.2  | 30.3  | 22.3 | 28.7  |
| 26   | 14.1   | 173.0 | 36.8  | 19.7  | 15.9 | 35.2 | 30.3  | 33.6 | 65.0  | 30.3  | 23.6 | 43.4  |
| 27   | 14.1   | 164.0 | 71.9  | 18.5  | 15.9 | 30.3 | 30.3  | 30.3 | 53.0  | 41.7  | 26.1 | 30.3  |
| 28   | 17.2   | 146.0 | 61.0  | 18.5  | 15.9 | 28.7 | 30.3  | 28.7 | 57.0  | 43.4  | 33.6 | 32.0  |
| 29   | 21.0   |       | 45.0  | 18.5  | 15.9 | 26.1 | 28.7  | 27.4 | 74.2  | 63.0  | 36.8 | 43.4  |
| 30   | 24.9   |       | 35.2  | 21.0  | 15.9 | 23.6 | 26.1  | 24.9 | 81.1  | 90.6  | 35.2 | 65.0  |
| 31   | 41.7   |       | 32.0  |       | 15.9 |      | 27.4  | 26.1 |       | 67.3  |      | 57.0  |
| Mean | 15.0   | 117.5 | 49.0  | 34.5  | 19.0 | 25.3 | 63.9  | 29.5 | 70.5  | 85.4  | 31.0 | 39.0  |

| Year | : 1946 |        |       |       |       |       |       |        |       |       |       |       |
|------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.   | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 49.0   | 670.9  | 276.8 | 322.0 | 41.7  | 83.4  | 368.8 | 134.3  | 332.8 | 67.3  | 131.4 | 45.0  |
| 2    | 35.2   | 1080.9 | 322.0 | 322.0 | 45.0  | 318.4 | 280.2 | 128.5  | 253.0 | 59.0  | 134.3 | 40.1  |
| 3    | 38.5   | 744.7  | 365.2 | 259.8 | 53.0  | 276.8 | 236.0 | 122.7  | 210.4 | 53.0  | 149.0 | 38.5  |
| 4    | 45.0   | 566.7  | 452.0 | 194.7 | 53.0  | 197.8 | 210.4 | 114.0  | 179.2 | 53.0  | 140.1 | 36.8  |
| 5    | 41.7   | 350.8  | 436.8 | 170.0 | 53.0  | 155.0 | 197.8 | 111.4  | 164.0 | 53.0  | 119.8 | 35.2  |
| 6    | 40.1   | 216.8  | 372.4 | 161.0 | 51.0  | 128.5 | 176.1 | 103.6  | 146.0 | 53.0  | 101.0 | 35.2  |
| 7    | 40.1   | 164.0  | 270.0 | 161.0 | 49.0  | 111.4 | 246.2 | 111.4  | 134.3 | 65.0  | 93.2  | 32.0  |
| 8    | 38.5   | 125.6  | 204.0 | 149.0 | 45.0  | 103.6 | 402.6 | 101.0  | 125.6 | 114.0 | 88.0  | 30.3  |
| 9    | 59.0   | 188.5  | 170.0 | 131.4 | 45.0  | 93.2  | 354.4 | 93.2   | 108.8 | 125.6 | 83.4  | 28.7  |
| 10   | 65.0   | 232.8  | 152.0 | 122.7 | 40.1  | 83.4  | 297.2 | 88.0   | 103.6 | 103.6 | 101.0 | 28.7  |
| 11   | 63.0   | 283.6  | 266.6 | 114.0 | 47.0  | 78.8  | 249.6 | 85.7   | 98.4  | 81.1  | 88.0  | 103.6 |
| 12   | 69.6   | 239.4  | 270.0 | 108.8 | 95.8  | 76.5  | 216.8 | 78.8   | 95.8  | 65.0  | 78.8  | 379.8 |
| 13   | 131.4  | 173.0  | 293.8 | 98.4  | 161.0 | 74.2  | 223.2 | 78.8   | 88.0  | 65.0  | 69.6  | 311.2 |
| 14   | 464.0  | 194.7  | 512.0 | 90.6  | 152.0 | 69.6  | 297.2 | 76.5   | 85.7  | 65.0  | 65.0  | 263.2 |
| 15   | 347.2  | 273.4  | 749.0 | 78.8  | 103.6 | 65.0  | 325.6 | 74.2   | 83.4  | 61.0  | 61.0  | 164.0 |
| 16   | 232.8  | 500.0  | 588.4 | 74.2  | 83.4  | 61.0  | 705.6 | 74.2   | 78.8  | 83.4  | 57.0  | 125.6 |
| 17   | 149.0  | 579.7  | 421.6 | 74.2  | 65.0  | 59.0  | 758.0 | 71.9   | 74.2  | 318.4 | 65.0  | 108.8 |
| 18   | 111.4  | 601.4  | 318.4 | 74.2  | 67.3  | 57.0  | 516.0 | 69.6   | 74.2  | 460.0 | 74.2  | 95.8  |
| 19   | 116.9  | 558.0  | 242.8 | 71.9  | 131.4 | 55.0  | 387.4 | 65.0   | 69.6  | 500.0 | 101.0 | 85.7  |
| 20   | 143.0  | 524.0  | 197.8 | 69.6  | 204.0 | 53.0  | 354.4 | 65.0   | 65.0  | 662.2 | 85.7  | 78.8  |
| 21   | 128.5  | 402.6  | 164.0 | 65.0  | 216.8 | 53.0  | 311.2 | 63.0   | 65.0  | 452.0 | 78.8  | 134.3 |
| 22   | 95.8   | 329.2  | 146.0 | 63.0  | 170.0 | 101.0 | 270.0 | 65.0   | 61.0  | 318.4 | 76.5  | 143.0 |
| 23   | 81.1   | 242.8  | 131.4 | 61.0  | 137.2 | 843.5 | 259.8 | 83.4   | 65.0  | 236.0 | 69.6  | 220.0 |
| 24   | 69.6   | 220.0  | 158.0 | 55.0  | 108.8 | 998.3 | 270.0 | 98.4   | 83.4  | 200.9 | 63.0  | 229.6 |
| 25   | 71.9   | 200.9  | 283.6 | 51.0  | 93.2  | 758.0 | 263.2 | 98.4   | 78.8  | 191.6 | 57.0  | 164.0 |
| 26   | 103.6  | 229.6  | 273.4 | 47.0  | 81.1  | 679.6 | 239.4 | 83.4   | 74.2  | 164.0 | 57.0  | 131.4 |
| 27   | 149.0  | 297.2  | 200.9 | 45.0  | 74.2  | 460.0 | 204.0 | 106.2  | 65.0  | 161.0 | 61.0  | 101.0 |
| 28   | 152.0  | 283.6  | 155.0 | 45.0  | 67.3  | 343.6 | 185.4 | 391.2  | 59.0  | 149.0 | 57.0  | 85.7  |
| 29   | 146.0  |        | 131.4 | 45.0  | 63.0  | 421.6 | 170.0 | 1207.3 | 59.0  | 155.0 | 49.0  | 76.5  |
| 30   | 125.6  |        | 119.8 | 43.4  | 61.0  | 452.0 | 158.0 | 821.0  | 67.3  | 155.0 | 45.0  | 67.3  |
| 31   | 131.4  |        | 191.6 |       | 59.0  |       | 143.0 | 545.0  |       | 131.4 |       | 61.0  |
| Mean | 114.0  | 374.1  | 285.1 | 112.3 | 87.7  | 243.7 | 299.3 | 174.5  | 108.3 | 174.9 | 83.3  | 112.3 |

2.04

# DAILY MEAN DISCHARGE AT APIUNA (4/25)

| Year | : 1947 |       |       |      |       |       |       |       |        |       |       |       |
|------|--------|-------|-------|------|-------|-------|-------|-------|--------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr. | May   | Jun.  | Jul.  | Aug.  | Sep.   | Oct.  | Nov.  | Dec.  |
| 1    | 59.0   | 57.0  | 213.6 | 51.0 | 35.2  | 33.6  | 67.3  | 314.8 | 167.0  | 444.4 | 216.8 | 78.8  |
| 2    | 65.0   | 55.0  | 232.8 | 49.0 | 35.2  | 32.0  | 65.0  | 444.4 | 1046.9 | 410.2 | 216.8 | 88.0  |
| 3    | 57.0   | 55.0  | 204.0 | 49.0 | 38.5  | 32.0  | 81.1  | 368.8 | 884.0  | 402.6 | 259.8 | 131.4 |
| 4    | 61.0   | 55.0  | 191.6 | 47.0 | 57.0  | 30.3  | 311.2 | 200.9 | 558.0  | 440.6 | 376.0 | 125.6 |
| 5    | 69.6   | 59.0  | 167.0 | 45.0 | 59.0  | 28.7  | 383.6 | 152.0 | 347.2  | 421.6 | 325.6 | 119.8 |
| 6    | 78.8   | 65.0  | 197.8 | 47.0 | 51.0  | 28.7  | 253.0 | 137.2 | 259.8  | 361.6 | 273.4 | 85.7  |
| 7    | 65.0   | 65.0  | 197.8 | 45.0 | 45.0  | 28.7  | 170.0 | 143.0 | 210.4  | 318.4 | 229.6 | 74.2  |
| 8    | 57.0   | 149.0 | 158.0 | 45.0 | 40.1  | 28.7  | 131.4 | 137.2 | 191.6  | 343.6 | 197.8 | 69.6  |
| 9    | 65.0   | 207.2 | 128.5 | 45.0 | 36.8  | 26.1  | 108.8 | 155.0 | 179.2  | 440.6 | 179.2 | 67.3  |
| 10   | 88.0   | 146.0 | 108.8 | 43.4 | 35.2  | 26.1  | 88.0  | 223.2 | 194.7  | 417.8 | 161.0 | 273.4 |
| 11   | 103.6  | 191.6 | 103.6 | 41.7 | 33.6  | 35.2  | 81.1  | 325.6 | 182.3  | 340.0 | 149.0 | 332.8 |
| 12   | 95.8   | 236.0 | 134.3 | 41.7 | 33.6  | 65.0  | 74.2  | 314.8 | 158.0  | 290.4 | 137.2 | 220.0 |
| 13   | 85.7   | 210.4 | 158.0 | 40.1 | 35.2  | 134.3 | 69.6  | 232.8 | 143.0  | 236.0 | 131.4 | 173.0 |
| 14   | 182.3  | 325.6 | 128.5 | 38.5 | 33.6  | 229.6 | 65.0  | 188.5 | 137.2  | 210.4 | 125.6 | 134.3 |
| 15   | 229.6  | 297.2 | 108.8 | 36.8 | 33.6  | 276.8 | 61.0  | 158.0 | 140.1  | 191.6 | 119.8 | 122.7 |
| 16   | 167.0  | 239.4 | 103.6 | 35.2 | 28.7  | 191.6 | 57.0  | 137.2 | 149.0  | 176.1 | 114.0 | 131.4 |
| 17   | 114.0  | 179.2 | 108.8 | 36.8 | 28.7  | 128.5 | 57.0  | 122.7 | 143.0  | 161.0 | 103.6 | 149.0 |
| 18   | 131.4  | 161.0 | 128.5 | 41.7 | 32.0  | 108.8 | 57.0  | 114.0 | 191.6  | 155.0 | 95.8  | 167.0 |
| 19   | 125.6  | 220.0 | 128.5 | 53.0 | 63.0  | 90.6  | 57.0  | 101.0 | 456.0  | 161.0 | 93.2  | 161.0 |
| 20   | 114.0  | 343.6 | 108.8 | 63.0 | 131.4 | 85.7  | 53.0  | 93.2  | 723.0  | 182.3 | 93.2  | 134.3 |
| 21   | 108.8  | 379.8 | 90.6  | 49.0 | 98.4  | 81.1  | 51.0  | 88.0  | 480.0  | 204.0 | 90.6  | 119.8 |
| 22   | 88.0   | 325.6 | 83.4  | 47.0 | 71.9  | 90.6  | 49.0  | 83.4  | 368.8  | 194.7 | 88.0  | 114.0 |
| 23   | 74.2   | 256.4 | 74.2  | 41.7 | 81.1  | 114.0 | 49.0  | 76.5  | 322.0  | 179.2 | 88.0  | 108.8 |
| 24   | 76.5   | 239.4 | 71.9  | 38.5 | 88.0  | 125.6 | 49.0  | 74.2  | 571.1  | 173.0 | 88.0  | 108.8 |
| 25   | 65.0   | 232.8 | 67.3  | 35.2 | 81.1  | 119.8 | 45.0  | 71.9  | 938.0  | 789.5 | 95.8  | 98.4  |
| 26   | 57.0   | 300.6 | 65.0  | 33.6 | 61.0  | 106.2 | 45.0  | 71.9  | 798.5  | 884.0 | 93.2  | 88.0  |
| 27   | 53.0   | 329.2 | 61.0  | 32.0 | 51.0  | 95.8  | 51.0  | 74.2  | 588.4  | 627.5 | 90.6  | 88.0  |
| 28   | 61.0   | 242.8 | 59.0  | 35.2 | 45.0  | 83.4  | 69.6  | 85.7  | 520.0  | 414.0 | 83.4  | 88.0  |
| 29   | 65.0   |       | 57.0  | 35.2 | 41.7  | 78.8  | 93.2  | 88.0  | 480.0  | 307.6 | 78.8  | 128.5 |
| 30   | 65.0   |       | 55.0  | 38.5 | 38.5  | 74.2  | 108.8 | 78.8  | 448.2  | 266.6 | 78.8  | 304.0 |
| 31   | 63.0   |       | 53.0  |      | 35.2  |       |       | 93.2  | 103.6  | 236.0 |       | 216.8 |
| Mean | 90.0   | 200.8 | 120.9 | 42.7 | 50.9  | 87.0  | 96.6  | 160.0 | 399.2  | 334.9 | 149.1 | 138.8 |

| Year | : 1948 |       |       |       |        |       |       |        |       |       |       |      |
|------|--------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May    | Jun.  | Jul.  | Aug.   | Sep.  | Oct.  | Nov.  | Dec. |
| 1    | 131.4  | 137.2 | 354.4 | 131.4 | 65.0   | 204.0 | 61.0  | 816.5  | 114.0 | 65.0  | 128.5 | 51.0 |
| 2    | 114.0  | 108.8 | 297.2 | 119.8 | 69.6   | 185.4 | 61.0  | 1613.0 | 111.4 | 61.0  | 114.0 | 49.0 |
| 3    | 103.6  | 116.9 | 242.8 | 152.0 | 101.0  | 170.0 | 63.0  | 1100.4 | 103.6 | 61.0  | 98.4  | 45.0 |
| 4    | 103.6  | 125.6 | 188.5 | 753.5 | 283.6  | 155.0 | 65.0  | 718.6  | 101.0 | 69.6  | 90.6  | 45.0 |
| 5    | 114.0  | 149.0 | 161.0 | 528.0 | 210.4  | 143.0 | 65.0  | 597.1  | 98.4  | 98.4  | 85.7  | 41.7 |
| 6    | 111.4  | 134.3 | 140.1 | 354.4 | 152.0  | 134.3 | 61.0  | 744.7  | 90.6  | 93.2  | 78.8  | 36.8 |
| 7    | 101.0  | 125.6 | 125.6 | 249.6 | 125.6  | 122.7 | 57.0  | 731.6  | 88.0  | 76.5  | 74.2  | 38.5 |
| 8    | 88.0   | 143.0 | 116.9 | 216.8 | 116.9  | 122.7 | 55.0  | 1217.0 | 88.0  | 67.3  | 125.6 | 55.0 |
| 9    | 76.5   | 182.3 | 108.8 | 213.6 | 108.8  | 119.8 | 55.0  | 798.5  | 85.7  | 65.0  | 131.4 | 53.0 |
| 10   | 69.6   | 170.0 | 134.3 | 194.7 | 98.4   | 111.4 | 53.0  | 618.8  | 83.4  | 61.0  | 128.5 | 49.0 |
| 11   | 69.6   | 155.0 | 318.4 | 167.0 | 90.6   | 108.8 | 49.0  | 464.0  | 78.8  | 76.5  | 134.3 | 43.4 |
| 12   | 69.6   | 155.0 | 545.0 | 143.0 | 83.4   | 103.6 | 47.0  | 383.6  | 81.1  | 106.2 | 290.4 | 40.1 |
| 13   | 61.0   | 200.9 | 354.4 | 137.2 | 78.8   | 101.0 | 47.0  | 329.2  | 108.8 | 111.4 | 259.8 | 36.8 |
| 14   | 65.0   | 194.7 | 256.4 | 128.5 | 74.2   | 98.4  | 45.0  | 290.4  | 143.0 | 90.6  | 200.9 | 35.2 |
| 15   | 61.0   | 350.8 | 200.9 | 158.0 | 74.2   | 90.6  | 47.0  | 249.6  | 170.0 | 78.8  | 167.0 | 32.0 |
| 16   | 51.0   | 512.0 | 173.0 | 149.0 | 322.0  | 88.0  | 51.0  | 232.8  | 131.4 | 69.6  | 143.0 | 30.3 |
| 17   | 55.0   | 406.4 | 149.0 | 125.6 | 2175.8 | 78.8  | 95.8  | 207.2  | 111.4 | 63.0  | 140.1 | 28.7 |
| 18   | 55.0   | 336.4 | 137.2 | 114.0 | 1552.9 | 78.8  | 528.0 | 191.6  | 101.0 | 59.0  | 114.0 | 49.0 |
| 19   | 103.6  | 273.4 | 143.0 | 108.8 | 1267.8 | 78.8  | 322.0 | 173.0  | 95.8  | 57.0  | 98.4  | 51.0 |
| 20   | 161.0  | 236.0 | 155.0 | 103.6 | 942.5  | 76.5  | 239.4 | 164.0  | 90.6  | 57.0  | 85.7  | 38.5 |
| 21   | 236.0  | 220.0 | 140.1 | 114.0 | 679.6  | 76.5  | 188.5 | 155.0  | 88.0  | 55.0  | 81.1  | 33.6 |
| 22   | 329.2  | 200.9 | 128.5 | 125.6 | 460.0  | 74.2  | 140.1 | 140.1  | 85.7  | 53.0  | 78.8  | 27.4 |
| 23   | 332.8  | 173.0 | 114.0 | 98.4  | 325.6  | 74.2  | 116.9 | 137.2  | 83.4  | 53.0  | 74.2  | 26.1 |
| 24   | 263.2  | 170.0 | 143.0 | 88.0  | 263.2  | 71.9  | 125.6 | 131.4  | 78.8  | 53.0  | 69.6  | 26.1 |
| 25   | 223.2  | 164.0 | 197.8 | 83.4  | 232.8  | 67.3  | 149.0 | 125.6  | 74.2  | 88.0  | 65.0  | 26.1 |
| 26   | 194.7  | 155.0 | 336.4 | 74.2  | 200.9  | 67.3  | 270.0 | 188.5  | 67.3  | 95.8  | 69.6  | 30.3 |
| 27   | 188.5  | 216.8 | 283.6 | 74.2  | 185.4  | 65.0  | 753.5 | 216.8  | 71.9  | 71.9  | 81.1  | 28.7 |
| 28   | 164.0  | 270.0 | 229.6 | 69.6  | 266.6  | 65.0  | 500.0 | 170.0  | 83.4  | 116.9 | 65.0  | 27.4 |
| 29   | 128.5  | 347.2 | 176.1 | 65.0  | 336.4  | 65.0  | 325.6 | 140.1  | 71.9  | 232.8 | 59.0  | 26.1 |
| 30   | 111.4  |       | 152.0 | 63.0  | 280.2  | 61.0  | 246.2 | 128.5  | 67.3  | 249.6 | 57.0  | 24.9 |
| 31   | 143.0  |       | 143.0 |       | 239.4  |       | 236.0 | 122.7  |       | 194.7 |       | 27.4 |
| Mean | 131.6  | 211.4 | 204.7 | 170.1 | 369.8  | 102.0 | 165.1 | 429.0  | 94.9  | 88.7  | 113.0 | 37.2 |

# DAILY MEAN DISCHARGE AT APIUNA (5/25)

Year : 1949

| Day  | Jan.  | Feb. | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov. | Dec.  |
|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1    | 26.1  | 28.7 | 28.7  | 63.0  | 65.0  | 32.0  | 57.0  | 45.0  | 93.2  | 128.5 | 51.0 | 27.4  |
| 2    | 26.1  | 26.1 | 26.1  | 387.4 | 59.0  | 30.3  | 55.0  | 43.4  | 85.7  | 111.4 | 47.0 | 27.4  |
| 3    | 24.9  | 23.6 | 40.1  | 476.0 | 57.0  | 30.3  | 51.0  | 41.7  | 76.5  | 95.8  | 45.0 | 26.1  |
| 4    | 23.6  | 23.6 | 191.6 | 383.6 | 65.0  | 28.7  | 49.0  | 40.1  | 74.2  | 85.7  | 41.7 | 26.1  |
| 5    | 26.1  | 22.3 | 119.8 | 239.4 | 78.8  | 33.6  | 49.0  | 38.5  | 76.5  | 108.8 | 38.5 | 24.9  |
| 6    | 32.0  | 21.0 | 78.8  | 161.0 | 76.5  | 43.4  | 49.0  | 53.0  | 78.8  | 146.0 | 51.0 | 26.1  |
| 7    | 45.0  | 24.9 | 76.5  | 114.0 | 65.0  | 69.6  | 45.0  | 191.6 | 69.6  | 128.5 | 78.8 | 55.0  |
| 8    | 53.0  | 27.4 | 93.2  | 93.2  | 55.0  | 74.2  | 45.0  | 293.8 | 61.0  | 106.2 | 69.6 | 74.2  |
| 9    | 90.6  | 32.0 | 88.0  | 78.8  | 49.0  | 76.5  | 43.4  | 256.4 | 57.0  | 95.8  | 57.0 | 55.0  |
| 10   | 179.2 | 28.7 | 59.0  | 71.9  | 47.0  | 131.4 | 43.4  | 239.4 | 53.0  | 85.7  | 65.0 | 53.0  |
| 11   | 170.0 | 24.9 | 49.0  | 63.0  | 51.0  | 440.6 | 41.7  | 263.2 | 63.0  | 83.4  | 63.0 | 45.0  |
| 12   | 128.5 | 22.3 | 38.5  | 57.0  | 111.4 | 540.7 | 43.4  | 207.2 | 210.4 | 85.7  | 59.0 | 51.0  |
| 13   | 88.0  | 19.7 | 33.6  | 51.0  | 88.0  | 332.8 | 40.1  | 164.0 | 325.6 | 81.1  | 47.0 | 78.8  |
| 14   | 71.9  | 17.2 | 30.3  | 45.0  | 69.6  | 216.8 | 40.1  | 143.0 | 242.8 | 76.5  | 43.4 | 55.0  |
| 15   | 69.6  | 19.7 | 43.4  | 41.7  | 57.0  | 287.0 | 38.5  | 131.4 | 194.7 | 71.9  | 40.1 | 40.1  |
| 16   | 61.0  | 23.6 | 32.0  | 36.8  | 51.0  | 350.8 | 47.0  | 125.6 | 185.4 | 67.3  | 38.5 | 35.2  |
| 17   | 53.0  | 26.1 | 28.7  | 35.2  | 47.0  | 273.4 | 71.9  | 108.8 | 216.8 | 67.3  | 35.2 | 32.0  |
| 18   | 65.0  | 35.2 | 28.7  | 33.6  | 45.0  | 204.0 | 101.0 | 95.8  | 270.0 | 65.0  | 35.2 | 28.7  |
| 19   | 59.0  | 33.6 | 59.0  | 32.0  | 45.0  | 170.0 | 57.0  | 88.0  | 246.2 | 63.0  | 33.6 | 26.1  |
| 20   | 49.0  | 32.0 | 71.9  | 30.3  | 41.7  | 143.0 | 71.9  | 81.1  | 204.0 | 63.0  | 32.0 | 24.9  |
| 21   | 40.1  | 26.1 | 93.2  | 32.0  | 40.1  | 122.7 | 69.6  | 93.2  | 185.4 | 65.0  | 28.7 | 23.6  |
| 22   | 36.8  | 23.6 | 98.4  | 30.3  | 38.5  | 108.8 | 63.0  | 111.4 | 176.1 | 81.1  | 27.4 | 21.0  |
| 23   | 32.0  | 24.9 | 74.2  | 28.7  | 38.5  | 98.4  | 51.0  | 101.0 | 158.0 | 98.4  | 32.0 | 22.3  |
| 24   | 28.7  | 32.0 | 57.0  | 49.0  | 36.8  | 90.6  | 55.0  | 103.6 | 134.3 | 78.8  | 43.4 | 24.9  |
| 25   | 28.7  | 30.3 | 49.0  | 322.0 | 36.8  | 81.1  | 63.0  | 95.8  | 119.8 | 67.3  | 41.7 | 22.3  |
| 26   | 27.4  | 26.1 | 40.1  | 347.2 | 35.2  | 76.5  | 63.0  | 83.4  | 111.4 | 59.0  | 49.0 | 21.0  |
| 27   | 27.4  | 23.6 | 38.5  | 229.6 | 33.6  | 71.9  | 57.0  | 88.0  | 103.6 | 55.0  | 45.0 | 18.5  |
| 28   | 28.7  | 19.7 | 40.1  | 125.6 | 33.6  | 67.3  | 55.0  | 111.4 | 98.4  | 57.0  | 41.7 | 18.5  |
| 29   | 32.0  |      | 53.0  | 95.8  | 32.0  | 65.0  | 51.0  | 125.6 | 93.2  | 61.0  | 35.2 | 93.2  |
| 30   | 33.6  |      | 69.6  | 76.5  | 32.0  | 61.0  | 49.0  | 116.9 | 134.3 | 63.0  | 28.7 | 114.0 |
| 31   | 32.0  |      | 65.0  |       | 32.0  |       | 47.0  | 106.2 |       | 57.0  |      | 119.8 |
| Mean | 54.5  | 25.7 | 61.1  | 127.7 | 52.0  | 145.1 | 53.6  | 122.2 | 140.0 | 82.6  | 44.8 | 42.3  |

Year : 1950

| Day  | Jan.  | Feb.  | Mar.  | Apr. | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.   | Nov.  | Dec.  |
|------|-------|-------|-------|------|-------|-------|-------|-------|-------|--------|-------|-------|
| 1    | 81.1  | 119.8 | 164.0 | 88.0 | 35.2  | 51.0  | 33.6  | 32.0  | 59.0  | 78.8   | 103.6 | 51.0  |
| 2    | 65.0  | 95.8  | 391.2 | 76.5 | 35.2  | 55.0  | 33.6  | 33.6  | 55.0  | 74.2   | 90.6  | 51.0  |
| 3    | 88.0  | 204.0 | 688.2 | 85.7 | 38.5  | 53.0  | 32.0  | 35.2  | 55.0  | 69.6   | 83.4  | 59.0  |
| 4    | 85.7  | 270.0 | 683.9 | 74.2 | 45.0  | 49.0  | 30.3  | 41.7  | 51.0  | 63.0   | 76.5  | 85.7  |
| 5    | 134.3 | 253.0 | 610.1 | 67.3 | 45.0  | 45.0  | 30.3  | 47.0  | 51.0  | 53.0   | 74.2  | 116.9 |
| 6    | 149.0 | 173.0 | 516.0 | 61.0 | 45.0  | 45.0  | 32.0  | 40.1  | 49.0  | 69.6   | 69.6  | 197.8 |
| 7    | 143.0 | 131.4 | 354.4 | 57.0 | 40.1  | 71.9  | 33.6  | 36.8  | 49.0  | 85.7   | 67.3  | 137.2 |
| 8    | 125.6 | 106.2 | 263.2 | 53.0 | 36.8  | 158.0 | 47.0  | 33.6  | 69.6  | 78.8   | 67.3  | 103.6 |
| 9    | 140.1 | 98.4  | 236.0 | 51.0 | 33.6  | 131.4 | 71.9  | 33.6  | 176.1 | 67.3   | 74.2  | 74.2  |
| 10   | 350.8 | 95.8  | 207.2 | 49.0 | 32.0  | 93.2  | 143.0 | 40.1  | 191.6 | 90.6   | 76.5  | 63.0  |
| 11   | 429.2 | 103.6 | 170.0 | 47.0 | 35.2  | 81.1  | 119.8 | 90.6  | 137.2 | 185.4  | 71.9  | 59.0  |
| 12   | 368.8 | 114.0 | 143.0 | 51.0 | 33.6  | 71.9  | 85.7  | 197.8 | 103.6 | 343.6  | 71.9  | 61.0  |
| 13   | 297.2 | 95.8  | 131.4 | 83.4 | 32.0  | 63.0  | 67.3  | 391.2 | 74.2  | 358.0  | 83.4  | 74.2  |
| 14   | 239.4 | 81.1  | 125.6 | 98.4 | 30.3  | 57.0  | 59.0  | 657.9 | 65.0  | 283.6  | 101.0 | 119.8 |
| 15   | 167.0 | 76.5  | 114.0 | 69.6 | 30.3  | 55.0  | 53.0  | 545.0 | 61.0  | 488.0  | 85.7  | 140.1 |
| 16   | 125.6 | 74.2  | 111.4 | 63.0 | 30.3  | 53.0  | 47.0  | 270.0 | 59.0  | 1257.6 | 71.9  | 119.8 |
| 17   | 103.6 | 69.6  | 103.6 | 69.6 | 35.2  | 53.0  | 45.0  | 188.5 | 55.0  | 1613.0 | 65.0  | 88.0  |
| 18   | 88.0  | 69.6  | 111.4 | 65.0 | 38.5  | 49.0  | 41.7  | 146.0 | 47.0  | 1085.8 | 63.0  | 69.6  |
| 19   | 83.4  | 90.6  | 101.0 | 63.0 | 43.4  | 47.0  | 40.1  | 131.4 | 45.0  | 879.5  | 61.0  | 61.0  |
| 20   | 98.4  | 106.2 | 90.6  | 55.0 | 116.9 | 45.0  | 40.1  | 114.0 | 41.7  | 653.5  | 61.0  | 57.0  |
| 21   | 88.0  | 173.0 | 76.5  | 51.0 | 259.8 | 43.4  | 36.8  | 122.7 | 88.0  | 398.8  | 69.6  | 65.0  |
| 22   | 83.4  | 239.4 | 69.6  | 49.0 | 249.6 | 41.7  | 35.2  | 140.1 | 152.0 | 287.0  | 81.1  | 55.0  |
| 23   | 161.0 | 229.6 | 63.0  | 45.0 | 164.0 | 41.7  | 35.2  | 134.3 | 191.6 | 236.0  | 74.2  | 45.0  |
| 24   | 239.4 | 188.5 | 59.0  | 40.1 | 111.4 | 41.7  | 33.6  | 108.8 | 287.0 | 200.9  | 67.3  | 49.0  |
| 25   | 173.0 | 152.0 | 57.0  | 38.5 | 90.6  | 41.7  | 33.6  | 95.8  | 229.6 | 176.1  | 59.0  | 65.0  |
| 26   | 140.1 | 122.7 | 57.0  | 57.0 | 74.2  | 40.1  | 33.6  | 85.7  | 176.1 | 158.0  | 53.0  | 74.2  |
| 27   | 111.4 | 106.2 | 57.0  | 49.0 | 63.0  | 38.5  | 33.6  | 74.2  | 137.2 | 140.1  | 55.0  | 85.7  |
| 28   | 90.6  | 90.6  | 65.0  | 43.4 | 55.0  | 35.2  | 32.0  | 69.6  | 111.4 | 122.7  | 61.0  | 149.0 |
| 29   | 81.1  |       | 85.7  | 40.1 | 51.0  | 35.2  | 32.0  | 69.6  | 95.8  | 111.4  | 69.6  | 152.0 |
| 30   | 98.4  |       | 134.3 | 36.8 | 47.0  | 35.2  | 32.0  | 65.0  | 85.7  | 103.6  | 53.0  | 155.0 |
| 31   | 125.6 |       | 122.7 |      | 47.0  |       | 32.0  | 63.0  |       | 101.0  |       | 134.3 |
| Mean | 153.4 | 133.2 | 198.8 | 59.3 | 65.3  | 57.4  | 47.0  | 133.4 | 101.6 | 319.8  | 72.1  | 90.9  |

# DAILY MEAN DISCHARGE AT APIUNA (6/25)

| Year | : 1951 |       |       |       |      |       |       |      |      |        |       |       |
|------|--------|-------|-------|-------|------|-------|-------|------|------|--------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May  | Jun.  | Jul.  | Aug. | Sep. | Oct.   | Nov.  | Dec.  |
| 1    | 116.9  | 311.2 | 436.8 | 88.0  | 47.0 | 41.7  | 55.0  | 28.7 | 21.0 | 21.0   | 266.6 | 96.9  |
| 2    | 90.6   | 340.0 | 354.4 | 111.4 | 47.0 | 35.2  | 43.4  | 28.7 | 19.7 | 18.5   | 194.7 | 92.6  |
| 3    | 76.5   | 322.0 | 293.8 | 149.0 | 43.4 | 32.0  | 55.0  | 28.7 | 19.7 | 18.5   | 164.0 | 107.1 |
| 4    | 67.3   | 376.0 | 304.0 | 128.5 | 41.7 | 28.7  | 164.0 | 27.4 | 19.7 | 18.5   | 140.1 | 127.6 |
| 5    | 65.0   | 488.0 | 307.6 | 95.8  | 40.1 | 28.7  | 179.2 | 27.4 | 18.5 | 22.3   | 119.8 | 99.8  |
| 6    | 185.4  | 601.4 | 336.4 | 83.4  | 40.1 | 28.7  | 122.7 | 26.1 | 18.5 | 33.6   | 106.2 | 91.1  |
| 7    | 210.4  | 549.4 | 436.8 | 76.5  | 38.5 | 30.3  | 85.7  | 26.1 | 17.2 | 41.7   | 98.4  | 82.3  |
| 8    | 155.0  | 440.6 | 395.0 | 74.2  | 38.5 | 32.0  | 81.1  | 26.1 | 18.5 | 36.8   | 98.4  | 76.5  |
| 9    | 106.2  | 300.6 | 297.2 | 71.9  | 36.8 | 30.3  | 85.7  | 26.1 | 15.9 | 30.3   | 98.4  | 73.6  |
| 10   | 83.4   | 239.4 | 249.6 | 69.6  | 35.2 | 28.7  | 78.8  | 26.1 | 15.9 | 24.9   | 85.7  | 69.3  |
| 11   | 103.6  | 216.8 | 216.8 | 67.3  | 35.2 | 32.0  | 69.6  | 26.1 | 17.2 | 23.6   | 78.8  | 69.3  |
| 12   | 114.0  | 194.7 | 236.0 | 65.0  | 35.2 | 30.3  | 57.0  | 24.9 | 15.9 | 22.3   | 67.3  | 65.0  |
| 13   | 125.6  | 161.0 | 200.9 | 61.0  | 33.6 | 28.7  | 51.0  | 24.9 | 15.0 | 26.1   | 101.0 | 69.3  |
| 14   | 116.9  | 140.1 | 176.1 | 57.0  | 33.6 | 27.4  | 41.7  | 24.9 | 14.1 | 55.0   | 164.0 | 59.0  |
| 15   | 116.9  | 125.6 | 207.2 | 61.0  | 32.0 | 27.4  | 38.5  | 23.6 | 14.1 | 456.0  | 164.0 | 52.2  |
| 16   | 143.0  | 119.8 | 204.0 | 57.0  | 33.6 | 27.4  | 36.8  | 22.3 | 14.1 | 480.0  | 200.9 | 49.6  |
| 17   | 134.3  | 125.6 | 185.4 | 55.0  | 33.6 | 26.1  | 35.2  | 22.3 | 19.7 | 329.2  | 161.0 | 52.2  |
| 18   | 119.8  | 170.0 | 210.4 | 53.0  | 33.6 | 26.1  | 33.6  | 21.0 | 35.2 | 549.4  | 116.9 | 63.5  |
| 19   | 239.4  | 270.0 | 204.0 | 49.0  | 35.2 | 26.1  | 32.0  | 21.0 | 76.5 | 1187.8 | 98.4  | 57.7  |
| 20   | 347.2  | 220.0 | 179.2 | 47.0  | 36.8 | 26.1  | 30.3  | 21.0 | 65.0 | 974.0  | 88.0  | 52.2  |
| 21   | 283.6  | 176.1 | 158.0 | 47.0  | 38.5 | 26.1  | 28.7  | 21.0 | 45.0 | 834.5  | 78.8  | 47.0  |
| 22   | 236.0  | 188.5 | 143.0 | 43.4  | 35.2 | 26.1  | 27.4  | 22.3 | 33.6 | 618.8  | 67.3  | 43.0  |
| 23   | 194.7  | 336.4 | 134.3 | 41.7  | 33.6 | 26.1  | 28.7  | 22.3 | 27.4 | 379.8  | 65.0  | 79.5  |
| 24   | 226.4  | 588.4 | 125.6 | 40.1  | 33.6 | 26.1  | 30.3  | 22.3 | 24.9 | 290.4  | 93.2  | 123.3 |
| 25   | 210.4  | 579.7 | 108.8 | 43.4  | 32.0 | 23.6  | 30.3  | 23.6 | 23.6 | 239.4  | 158.0 | 92.6  |
| 26   | 226.4  | 605.8 | 98.4  | 49.0  | 32.0 | 24.9  | 32.0  | 23.6 | 21.0 | 340.0  | 270.0 | 69.3  |
| 27   | 204.0  | 631.8 | 93.2  | 51.0  | 32.0 | 30.3  | 30.3  | 23.6 | 22.3 | 311.2  | 249.6 | 57.7  |
| 28   | 155.0  | 528.0 | 88.0  | 47.0  | 32.0 | 43.4  | 28.7  | 23.6 | 24.9 | 508.0  | 179.2 | 62.0  |
| 29   | 146.0  |       | 85.7  | 45.0  | 43.4 | 108.8 | 28.7  | 22.3 | 23.6 | 789.5  | 146.0 | 76.5  |
| 30   | 191.6  |       | 78.8  | 43.4  | 55.0 | 78.8  | 28.7  | 22.3 | 22.3 | 610.1  | 114.0 | 116.0 |
| 31   | 283.6  |       | 81.1  |       | 51.0 |       | 24.9  | 21.0 |      | 391.2  |       | 75.1  |
| Mean | 163.7  | 333.8 | 213.8 | 65.7  | 37.7 | 33.6  | 54.7  | 24.2 | 24.7 | 312.3  | 134.5 | 75.8  |

| Year | : 1952 |       |      |      |       |       |       |      |       |       |       |       |
|------|--------|-------|------|------|-------|-------|-------|------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar. | Apr. | May   | Jun.  | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 55.0   | 191.6 | 52.2 | 71.9 | 14.1  | 35.2  | 125.6 | 67.3 | 32.0  | 88.0  | 406.4 | 173.0 |
| 2    | 69.3   | 149.0 | 49.6 | 57.0 | 14.1  | 28.7  | 98.4  | 61.0 | 32.0  | 78.8  | 307.6 | 128.5 |
| 3    | 65.0   | 114.0 | 45.5 | 49.0 | 14.1  | 24.9  | 76.5  | 59.0 | 49.0  | 74.2  | 329.2 | 98.4  |
| 4    | 53.7   | 106.2 | 40.5 | 38.5 | 14.1  | 23.6  | 65.0  | 59.0 | 226.4 | 65.0  | 540.7 | 83.4  |
| 5    | 48.3   | 93.2  | 35.5 | 35.2 | 13.2  | 28.7  | 59.0  | 61.0 | 592.8 | 57.0  | 597.1 | 83.4  |
| 6    | 66.3   | 78.8  | 33.1 | 30.3 | 12.3  | 41.7  | 53.0  | 55.0 | 528.0 | 55.0  | 500.0 | 90.6  |
| 7    | 70.8   | 74.2  | 29.4 | 26.1 | 12.3  | 63.0  | 49.0  | 53.0 | 888.5 | 57.0  | 358.0 | 81.1  |
| 8    | 95.5   | 67.3  | 25.6 | 23.6 | 12.3  | 51.0  | 47.0  | 55.0 | 749.0 | 69.6  | 293.8 | 69.6  |
| 9    | 116.0  | 59.0  | 24.5 | 22.3 | 13.2  | 45.0  | 43.4  | 53.0 | 464.0 | 152.0 | 242.8 | 108.8 |
| 10   | 72.2   | 51.0  | 23.1 | 24.9 | 13.2  | 49.0  | 43.4  | 51.0 | 287.0 | 204.0 | 213.6 | 95.8  |
| 11   | 53.7   | 47.0  | 23.1 | 26.1 | 12.3  | 53.0  | 41.7  | 49.0 | 200.9 | 146.0 | 194.7 | 85.7  |
| 12   | 73.6   | 45.0  | 26.9 | 26.1 | 12.3  | 41.7  | 40.1  | 47.0 | 161.0 | 114.0 | 173.0 | 90.6  |
| 13   | 63.5   | 40.1  | 30.6 | 27.4 | 12.3  | 38.5  | 43.4  | 45.0 | 140.1 | 131.4 | 152.0 | 103.6 |
| 14   | 53.7   | 36.8  | 28.1 | 28.7 | 12.3  | 36.8  | 311.2 | 45.0 | 114.0 | 666.5 | 131.4 | 111.4 |
| 15   | 49.6   | 35.2  | 25.6 | 26.1 | 12.3  | 53.0  | 340.0 | 43.4 | 111.4 | 839.0 | 114.0 | 108.8 |
| 16   | 47.0   | 33.6  | 23.1 | 23.6 | 12.3  | 76.5  | 220.0 | 45.0 | 119.8 | 597.1 | 108.8 | 90.6  |
| 17   | 43.0   | 41.7  | 28.1 | 22.3 | 12.3  | 300.6 | 128.5 | 43.4 | 134.3 | 365.2 | 103.6 | 74.2  |
| 18   | 44.3   | 59.0  | 30.6 | 21.0 | 12.3  | 372.4 | 111.4 | 43.4 | 149.0 | 379.8 | 103.6 | 76.5  |
| 19   | 41.8   | 69.6  | 33.1 | 21.0 | 12.3  | 259.8 | 93.2  | 43.4 | 229.6 | 866.0 | 114.0 | 71.9  |
| 20   | 39.3   | 67.3  | 38.0 | 19.7 | 12.3  | 134.3 | 85.7  | 43.4 | 270.0 | 723.0 | 185.4 | 65.0  |
| 21   | 35.5   | 65.0  | 53.7 | 18.5 | 11.4  | 95.8  | 83.4  | 41.7 | 210.4 | 500.0 | 161.0 | 59.0  |
| 22   | 30.6   | 65.0  | 48.3 | 17.2 | 10.6  | 74.2  | 293.8 | 40.1 | 149.0 | 329.2 | 114.0 | 53.0  |
| 23   | 39.3   | 55.0  | 48.3 | 15.9 | 12.3  | 61.0  | 210.4 | 38.5 | 134.3 | 253.0 | 101.0 | 49.0  |
| 24   | 158.5  | 45.0  | 39.3 | 15.0 | 15.0  | 55.0  | 158.0 | 36.8 | 111.4 | 204.0 | 90.6  | 47.0  |
| 25   | 411.8  | 40.1  | 33.1 | 14.1 | 21.0  | 49.0  | 131.4 | 35.2 | 101.0 | 173.0 | 81.1  | 43.4  |
| 26   | 400.9  | 74.2  | 30.6 | 14.1 | 23.6  | 45.0  | 108.8 | 36.8 | 90.6  | 188.5 | 76.5  | 43.4  |
| 27   | 207.1  | 74.2  | 24.5 | 14.1 | 22.3  | 41.7  | 95.8  | 36.8 | 85.7  | 210.4 | 74.2  | 49.0  |
| 28   | 149.8  | 69.6  | 22.0 | 14.1 | 22.3  | 40.1  | 88.0  | 35.2 | 78.8  | 273.4 | 71.9  | 45.0  |
| 29   | 113.1  | 63.0  | 20.7 | 15.0 | 106.2 | 76.5  | 78.8  | 35.2 | 78.8  | 571.1 | 128.5 | 43.4  |
| 30   | 126.3  |       | 25.6 | 15.0 | 78.8  | 194.7 | 65.0  | 35.2 | 83.4  | 492.0 | 185.4 | 51.0  |
| 31   | 189.4  |       | 66.3 |      | 49.0  |       | 61.0  | 32.0 |       | 410.2 |       | 149.0 |
| Mean | 99.5   | 69.3  | 34.1 | 25.8 | 20.3  | 83.0  | 111.3 | 46.0 | 220.1 | 301.1 | 208.5 | 81.4  |

# DAILY MEAN DISCHARGE AT APIUNA (7/25)

Year : 1953

| Day  | Jan.  | Feb.  | Mar.  | Apr. | May   | Jun. | Jul.  | Aug.  | Sep.  | Oct.   | Nov.   | Dec.  |
|------|-------|-------|-------|------|-------|------|-------|-------|-------|--------|--------|-------|
| 1    | 182.3 | 200.9 | 61.0  | 40.1 | 28.7  | 93.2 | 23.6  | 33.6  | 134.3 | 81.1   | 1536.5 | 98.4  |
| 2    | 137.2 | 152.0 | 59.0  | 40.1 | 28.7  | 81.1 | 23.6  | 32.0  | 93.2  | 69.6   | 993.4  | 90.6  |
| 3    | 95.8  | 122.7 | 71.9  | 41.7 | 27.4  | 61.0 | 23.6  | 30.3  | 67.3  | 76.5   | 740.3  | 88.0  |
| 4    | 78.8  | 103.6 | 111.4 | 40.1 | 26.1  | 51.0 | 27.4  | 28.7  | 57.0  | 74.2   | 460.0  | 90.6  |
| 5    | 182.3 | 90.6  | 122.7 | 41.7 | 26.1  | 47.0 | 35.2  | 28.7  | 51.0  | 90.6   | 311.2  | 173.0 |
| 6    | 134.3 | 76.5  | 131.4 | 47.0 | 24.9  | 41.7 | 35.2  | 27.4  | 47.0  | 108.8  | 232.8  | 293.8 |
| 7    | 220.0 | 65.0  | 119.8 | 67.3 | 24.9  | 40.1 | 32.0  | 26.1  | 45.0  | 95.8   | 194.7  | 246.2 |
| 8    | 266.6 | 63.0  | 119.8 | 83.4 | 26.1  | 36.8 | 26.1  | 26.1  | 45.0  | 81.1   | 173.0  | 229.6 |
| 9    | 226.4 | 83.4  | 155.0 | 74.2 | 27.4  | 36.8 | 24.9  | 26.1  | 43.4  | 69.6   | 155.0  | 200.9 |
| 10   | 158.0 | 114.0 | 164.0 | 59.0 | 27.4  | 36.8 | 30.3  | 26.1  | 47.0  | 61.0   | 143.0  | 152.0 |
| 11   | 116.9 | 170.0 | 140.1 | 47.0 | 30.3  | 40.1 | 28.7  | 24.9  | 57.0  | 57.0   | 134.3  | 114.0 |
| 12   | 103.6 | 256.4 | 125.6 | 41.7 | 35.2  | 38.5 | 26.1  | 24.9  | 53.0  | 55.0   | 161.0  | 103.6 |
| 13   | 93.2  | 343.6 | 116.9 | 38.5 | 35.2  | 36.8 | 26.1  | 24.9  | 47.0  | 61.0   | 350.8  | 114.0 |
| 14   | 103.6 | 398.8 | 108.8 | 36.8 | 35.2  | 35.2 | 24.9  | 23.6  | 45.0  | 88.0   | 480.0  | 125.6 |
| 15   | 122.7 | 402.6 | 88.0  | 36.8 | 33.6  | 32.0 | 24.9  | 22.3  | 69.6  | 101.0  | 436.8  | 119.8 |
| 16   | 131.4 | 322.0 | 76.5  | 51.0 | 32.0  | 30.3 | 23.6  | 22.3  | 472.0 | 103.6  | 329.2  | 119.8 |
| 17   | 106.2 | 249.6 | 65.0  | 78.8 | 33.6  | 28.7 | 22.3  | 21.0  | 329.2 | 207.2  | 242.8  | 125.6 |
| 18   | 101.0 | 176.1 | 61.0  | 65.0 | 33.6  | 28.7 | 22.3  | 21.0  | 204.0 | 270.0  | 194.7  | 122.7 |
| 19   | 179.2 | 140.1 | 61.0  | 55.0 | 32.0  | 28.7 | 23.6  | 19.7  | 134.3 | 276.8  | 167.0  | 111.4 |
| 20   | 131.4 | 116.9 | 59.0  | 47.0 | 30.3  | 27.4 | 32.0  | 23.6  | 106.2 | 266.6  | 152.0  | 90.6  |
| 21   | 101.0 | 103.6 | 57.0  | 41.7 | 30.3  | 26.1 | 45.0  | 30.3  | 95.8  | 213.6  | 134.3  | 81.1  |
| 22   | 88.0  | 90.6  | 83.4  | 38.5 | 32.0  | 26.1 | 36.8  | 43.4  | 83.4  | 179.2  | 119.8  | 69.6  |
| 23   | 71.9  | 85.7  | 78.8  | 41.7 | 32.0  | 24.9 | 69.6  | 45.0  | 71.9  | 740.3  | 108.8  | 61.0  |
| 24   | 63.0  | 106.2 | 74.2  | 38.5 | 33.6  | 24.9 | 161.0 | 38.5  | 103.6 | 584.1  | 98.4   | 57.0  |
| 25   | 95.8  | 114.0 | 74.2  | 35.2 | 51.0  | 24.9 | 108.8 | 38.5  | 176.1 | 354.4  | 88.0   | 53.0  |
| 26   | 108.8 | 93.2  | 61.0  | 35.2 | 101.0 | 24.9 | 71.9  | 36.8  | 152.0 | 259.8  | 83.4   | 51.0  |
| 27   | 103.6 | 71.9  | 53.0  | 32.0 | 95.8  | 24.9 | 55.0  | 40.1  | 149.0 | 207.2  | 78.8   | 51.0  |
| 28   | 88.0  | 65.0  | 49.0  | 32.0 | 88.0  | 24.9 | 45.0  | 57.0  | 128.5 | 249.6  | 74.2   | 49.0  |
| 29   | 74.2  |       | 45.0  | 30.3 | 101.0 | 24.9 | 41.7  | 69.6  | 101.0 | 549.4  | 74.2   | 49.0  |
| 30   | 88.0  |       | 41.7  | 28.7 | 81.1  | 23.6 | 38.5  | 152.0 | 90.6  | 579.7  | 74.2   | 47.0  |
| 31   | 293.8 |       | 41.7  |      | 90.6  |      | 35.2  | 188.5 |       | 1257.6 |        | 43.4  |
| Mean | 130.5 | 156.4 | 86.4  | 46.2 | 43.1  | 36.7 | 40.2  | 40.4  | 110.0 | 240.9  | 284.1  | 110.4 |

Year : 1954

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May    | Jun.  | Jul.  | Aug.  | Sep.  | Oct.   | Nov.  | Dec.  |
|------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|-------|-------|
| 1    | 41.7  | 188.5 | 448.2 | 128.5 | 88.0   | 119.8 | 146.0 | 204.0 | 69.6  | 383.6  | 200.9 | 57.0  |
| 2    | 38.5  | 140.1 | 293.8 | 311.2 | 69.6   | 111.4 | 194.7 | 185.4 | 67.3  | 307.6  | 176.1 | 57.0  |
| 3    | 36.8  | 93.2  | 236.0 | 350.8 | 61.0   | 106.2 | 347.2 | 176.1 | 63.0  | 266.6  | 161.0 | 53.0  |
| 4    | 55.0  | 78.8  | 210.4 | 283.6 | 63.0   | 103.6 | 584.1 | 161.0 | 61.0  | 246.2  | 146.0 | 55.0  |
| 5    | 59.0  | 67.3  | 223.2 | 191.6 | 65.0   | 106.2 | 753.5 | 149.0 | 59.0  | 232.8  | 134.3 | 55.0  |
| 6    | 51.0  | 61.0  | 239.4 | 137.2 | 61.0   | 131.4 | 500.0 | 140.1 | 81.1  | 340.0  | 128.5 | 49.0  |
| 7    | 47.0  | 65.0  | 229.6 | 111.4 | 57.0   | 125.6 | 368.8 | 122.7 | 125.6 | 332.8  | 122.7 | 45.0  |
| 8    | 45.0  | 61.0  | 718.6 | 101.0 | 53.0   | 111.4 | 290.4 | 111.4 | 98.4  | 273.4  | 119.8 | 45.0  |
| 9    | 41.7  | 63.0  | 857.0 | 90.6  | 49.0   | 103.6 | 246.2 | 108.8 | 88.0  | 259.8  | 116.9 | 53.0  |
| 10   | 36.8  | 55.0  | 504.0 | 83.4  | 98.4   | 140.1 | 226.4 | 108.8 | 253.0 | 259.8  | 111.4 | 65.0  |
| 11   | 90.6  | 51.0  | 347.2 | 78.8  | 464.0  | 216.8 | 197.8 | 103.6 | 448.2 | 266.6  | 108.8 | 57.0  |
| 12   | 114.0 | 51.0  | 259.8 | 74.2  | 376.0  | 223.2 | 179.2 | 98.4  | 365.2 | 253.0  | 108.8 | 47.0  |
| 13   | 125.6 | 49.0  | 210.4 | 83.4  | 456.0  | 266.6 | 185.4 | 95.8  | 540.7 | 229.6  | 103.6 | 49.0  |
| 14   | 170.0 | 47.0  | 188.5 | 85.7  | 472.0  | 361.6 | 280.2 | 93.2  | 472.0 | 213.6  | 95.8  | 51.0  |
| 15   | 173.0 | 45.0  | 185.4 | 81.1  | 354.4  | 347.2 | 304.0 | 90.6  | 336.4 | 204.0  | 90.6  | 45.0  |
| 16   | 229.6 | 55.0  | 164.0 | 78.8  | 263.2  | 421.6 | 618.8 | 85.7  | 259.8 | 197.8  | 88.0  | 41.7  |
| 17   | 311.2 | 74.2  | 146.0 | 69.6  | 744.7  | 528.0 | 696.9 | 83.4  | 213.6 | 293.8  | 85.7  | 47.0  |
| 18   | 259.8 | 90.6  | 125.6 | 65.0  | 1318.6 | 536.3 | 549.4 | 81.1  | 188.5 | 998.3  | 81.1  | 67.3  |
| 19   | 242.8 | 65.0  | 111.4 | 63.0  | 1222.1 | 512.0 | 421.6 | 76.5  | 325.6 | 736.0  | 76.5  | 134.3 |
| 20   | 226.4 | 57.0  | 101.0 | 55.0  | 740.3  | 496.0 | 391.2 | 71.9  | 444.4 | 553.7  | 71.9  | 111.4 |
| 21   | 188.5 | 53.0  | 98.4  | 51.0  | 472.0  | 398.8 | 322.0 | 76.5  | 395.0 | 1782.2 | 67.3  | 76.5  |
| 22   | 161.0 | 53.0  | 88.0  | 49.0  | 332.8  | 325.6 | 304.0 | 95.8  | 440.6 | 2528.6 | 65.0  | 59.0  |
| 23   | 119.8 | 85.7  | 85.7  | 47.0  | 276.8  | 293.8 | 283.6 | 90.6  | 496.0 | 1847.7 | 63.0  | 51.0  |
| 24   | 101.0 | 106.2 | 76.5  | 43.4  | 232.8  | 246.2 | 236.0 | 81.1  | 376.0 | 1389.7 | 63.0  | 47.0  |
| 25   | 85.7  | 149.0 | 71.9  | 43.4  | 216.8  | 216.8 | 311.2 | 71.9  | 307.6 | 1008.0 | 59.0  | 49.0  |
| 26   | 76.5  | 270.0 | 67.3  | 47.0  | 197.8  | 191.6 | 398.8 | 128.5 | 322.0 | 696.9  | 57.0  | 67.3  |
| 27   | 137.2 | 553.7 | 61.0  | 61.0  | 173.0  | 176.1 | 354.4 | 108.8 | 336.4 | 429.2  | 55.0  | 63.0  |
| 28   | 114.0 | 566.7 | 59.0  | 114.0 | 161.0  | 164.0 | 318.4 | 90.6  | 402.6 | 318.4  | 55.0  | 55.0  |
| 29   | 90.6  |       | 74.2  | 149.0 | 146.0  | 152.0 | 280.2 | 83.4  | 584.1 | 280.2  | 55.0  | 47.0  |
| 30   | 78.8  |       | 69.6  | 108.8 | 137.2  | 140.1 | 249.6 | 76.5  | 496.0 | 246.2  | 59.0  | 41.7  |
| 31   | 74.2  |       | 65.0  |       | 128.5  |       | 226.4 | 74.2  |       | 223.2  |       | 38.5  |
| Mean | 116.9 | 117.7 | 213.4 | 107.9 | 308.1  | 245.8 | 347.3 | 107.3 | 290.6 | 567.7  | 97.6  | 57.4  |

# DAILY MEAN DISCHARGE AT APIUNA (8/25)

Year : 1955

| Day  | Jan. | Feb.  | Mar.  | Apr.  | May    | Jun.  | Jul.   | Aug.  | Sep.   | Oct.  | Nov.  | Dec.  |
|------|------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|
| 1    | 36.8 | 57.0  | 81.1  | 119.8 | 63.0   | 83.4  | 101.0  | 433.0 | 146.0  | 119.8 | 71.9  | 49.0  |
| 2    | 35.2 | 76.5  | 69.6  | 93.2  | 57.0   | 78.8  | 98.4   | 314.8 | 140.1  | 131.4 | 83.4  | 134.3 |
| 3    | 36.8 | 67.3  | 59.0  | 74.2  | 53.0   | 74.2  | 106.2  | 263.2 | 322.0  | 101.0 | 78.8  | 307.6 |
| 4    | 38.5 | 63.0  | 55.0  | 63.0  | 49.0   | 71.9  | 318.4  | 226.4 | 1037.2 | 85.7  | 74.2  | 410.2 |
| 5    | 36.8 | 59.0  | 67.3  | 59.0  | 47.0   | 69.6  | 524.0  | 200.9 | 929.0  | 71.9  | 63.0  | 354.4 |
| 6    | 35.2 | 45.0  | 106.2 | 55.0  | 47.0   | 67.3  | 640.5  | 176.1 | 666.5  | 67.3  | 55.0  | 229.6 |
| 7    | 32.0 | 35.2  | 119.8 | 53.0  | 47.0   | 65.0  | 1476.5 | 161.0 | 456.0  | 65.0  | 53.0  | 194.7 |
| 8    | 33.6 | 33.6  | 108.8 | 51.0  | 43.4   | 63.0  | 938.0  | 158.0 | 354.4  | 61.0  | 51.0  | 170.0 |
| 9    | 57.0 | 33.6  | 88.0  | 49.0  | 41.7   | 61.0  | 601.4  | 149.0 | 287.0  | 65.0  | 51.0  | 140.1 |
| 10   | 78.8 | 47.0  | 76.5  | 119.8 | 40.1   | 63.0  | 610.1  | 204.0 | 246.2  | 69.6  | 49.0  | 116.9 |
| 11   | 83.4 | 63.0  | 69.6  | 111.4 | 40.1   | 61.0  | 830.0  | 213.6 | 220.0  | 76.5  | 47.0  | 98.4  |
| 12   | 61.0 | 88.0  | 74.2  | 83.4  | 38.5   | 90.6  | 718.6  | 185.4 | 197.8  | 119.8 | 47.0  | 108.8 |
| 13   | 55.0 | 101.0 | 63.0  | 63.0  | 38.5   | 347.2 | 508.0  | 164.0 | 182.3  | 149.0 | 45.0  | 116.9 |
| 14   | 90.6 | 108.8 | 55.0  | 55.0  | 38.5   | 332.8 | 376.0  | 152.0 | 167.0  | 128.5 | 45.0  | 81.1  |
| 15   | 67.3 | 85.7  | 49.0  | 65.0  | 38.5   | 239.4 | 300.6  | 140.1 | 158.0  | 98.4  | 43.4  | 65.0  |
| 16   | 59.0 | 61.0  | 43.4  | 185.4 | 38.5   | 226.4 | 259.8  | 134.3 | 146.0  | 81.1  | 40.1  | 61.0  |
| 17   | 63.0 | 78.8  | 49.0  | 155.0 | 45.0   | 460.0 | 229.6  | 128.5 | 137.2  | 71.9  | 41.7  | 63.0  |
| 18   | 93.2 | 90.6  | 47.0  | 111.4 | 210.4  | 657.9 | 200.9  | 122.7 | 125.6  | 71.9  | 47.0  | 59.0  |
| 19   | 71.9 | 76.5  | 43.4  | 125.6 | 1656.6 | 472.0 | 185.4  | 116.9 | 111.4  | 67.3  | 49.0  | 55.0  |
| 20   | 57.0 | 59.0  | 38.5  | 191.6 | 1410.0 | 332.8 | 179.2  | 111.4 | 108.8  | 65.0  | 51.0  | 53.0  |
| 21   | 51.0 | 65.0  | 33.6  | 220.0 | 821.0  | 263.2 | 167.0  | 106.2 | 106.2  | 67.3  | 59.0  | 49.0  |
| 22   | 45.0 | 90.6  | 33.6  | 197.8 | 492.0  | 232.8 | 149.0  | 106.2 | 101.0  | 74.2  | 93.2  | 47.0  |
| 23   | 38.5 | 149.0 | 33.6  | 152.0 | 297.2  | 216.8 | 134.3  | 111.4 | 98.4   | 65.0  | 167.0 | 45.0  |
| 24   | 35.2 | 140.1 | 35.2  | 122.7 | 213.6  | 200.9 | 125.6  | 114.0 | 88.0   | 59.0  | 152.0 | 43.4  |
| 25   | 32.0 | 85.7  | 41.7  | 101.0 | 173.0  | 179.2 | 116.9  | 119.8 | 93.2   | 55.0  | 106.2 | 41.7  |
| 26   | 27.4 | 63.0  | 43.4  | 88.0  | 146.0  | 152.0 | 111.4  | 146.0 | 98.4   | 51.0  | 81.1  | 83.4  |
| 27   | 26.1 | 69.6  | 149.0 | 81.1  | 128.5  | 140.1 | 106.2  | 182.3 | 90.6   | 55.0  | 71.9  | 111.4 |
| 28   | 26.1 | 88.0  | 304.0 | 78.8  | 111.4  | 128.5 | 158.0  | 204.0 | 85.7   | 69.6  | 59.0  | 90.6  |
| 29   | 24.9 |       | 242.8 | 81.1  | 101.0  | 116.9 | 425.4  | 200.9 | 81.1   | 78.8  | 51.0  | 69.6  |
| 30   | 32.0 |       | 229.6 | 74.2  | 95.8   | 108.8 | 825.5  | 179.2 | 83.4   | 69.6  | 49.0  | 63.0  |
| 31   | 51.0 |       | 170.0 |       | 90.6   |       | 653.5  | 161.0 |        | 63.0  |       | 74.2  |
| Mean | 48.8 | 74.3  | 86.4  | 102.7 | 216.5  | 188.5 | 392.8  | 173.8 | 235.5  | 79.8  | 65.9  | 115.7 |

Year : 1956

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 69.6  | 472.0 | 101.0 | 149.0 | 143.0 | 81.1  | 93.2  | 194.7 | 88.0  | 256.4 | 226.4 | 43.4  |
| 2    | 59.0  | 440.6 | 90.6  | 137.2 | 140.1 | 81.1  | 88.0  | 232.8 | 76.5  | 223.2 | 197.8 | 40.1  |
| 3    | 51.0  | 406.4 | 81.1  | 114.0 | 161.0 | 76.5  | 85.7  | 207.2 | 71.9  | 200.9 | 170.0 | 38.5  |
| 4    | 45.0  | 307.6 | 71.9  | 95.8  | 137.2 | 71.9  | 83.4  | 239.4 | 67.3  | 185.4 | 134.3 | 41.7  |
| 5    | 43.4  | 239.4 | 63.0  | 143.0 | 329.2 | 71.9  | 179.2 | 200.9 | 65.0  | 170.0 | 152.0 | 47.0  |
| 6    | 74.2  | 194.7 | 63.0  | 259.8 | 480.0 | 67.3  | 182.3 | 167.0 | 78.8  | 158.0 | 152.0 | 232.8 |
| 7    | 69.6  | 164.0 | 61.0  | 191.6 | 365.2 | 63.0  | 146.0 | 146.0 | 131.4 | 146.0 | 137.2 | 179.2 |
| 8    | 65.0  | 149.0 | 57.0  | 140.1 | 480.0 | 61.0  | 122.7 | 131.4 | 128.5 | 134.3 | 119.8 | 125.6 |
| 9    | 93.2  | 213.6 | 53.0  | 131.4 | 575.4 | 61.0  | 106.2 | 119.8 | 106.2 | 188.5 | 108.8 | 85.7  |
| 10   | 85.7  | 256.4 | 53.0  | 140.1 | 566.7 | 61.0  | 98.4  | 119.8 | 101.0 | 266.6 | 101.0 | 71.9  |
| 11   | 65.0  | 223.2 | 51.0  | 263.2 | 492.0 | 65.0  | 90.6  | 111.4 | 111.4 | 263.2 | 90.6  | 61.0  |
| 12   | 59.0  | 191.6 | 53.0  | 300.6 | 343.6 | 65.0  | 85.7  | 103.6 | 106.2 | 216.8 | 85.7  | 55.0  |
| 13   | 51.0  | 207.2 | 57.0  | 216.8 | 287.0 | 65.0  | 81.1  | 98.4  | 98.4  | 179.2 | 83.4  | 55.0  |
| 14   | 45.0  | 210.4 | 81.1  | 164.0 | 239.4 | 63.0  | 78.8  | 90.6  | 140.1 | 161.0 | 78.8  | 63.0  |
| 15   | 45.0  | 239.4 | 101.0 | 134.3 | 204.0 | 106.2 | 93.2  | 85.7  | 232.8 | 146.0 | 76.5  | 67.3  |
| 16   | 53.0  | 210.4 | 85.7  | 114.0 | 179.2 | 194.7 | 101.0 | 81.1  | 444.4 | 134.3 | 71.9  | 63.0  |
| 17   | 59.0  | 170.0 | 69.6  | 101.0 | 158.0 | 188.5 | 93.2  | 74.2  | 429.2 | 131.4 | 69.6  | 53.0  |
| 18   | 65.0  | 146.0 | 76.5  | 98.4  | 143.0 | 143.0 | 83.4  | 74.2  | 414.0 | 128.5 | 65.0  | 49.0  |
| 19   | 93.2  | 119.8 | 106.2 | 90.6  | 128.5 | 108.8 | 76.5  | 71.9  | 762.5 | 122.7 | 63.0  | 47.0  |
| 20   | 152.0 | 111.4 | 108.8 | 88.0  | 116.9 | 98.4  | 74.2  | 131.4 | 870.5 | 111.4 | 61.0  | 45.0  |
| 21   | 176.1 | 103.6 | 85.7  | 85.7  | 119.8 | 85.7  | 69.6  | 263.2 | 736.0 | 106.2 | 65.0  | 53.0  |
| 22   | 179.2 | 95.8  | 69.6  | 81.1  | 149.0 | 78.8  | 65.0  | 229.6 | 571.1 | 140.1 | 63.0  | 90.6  |
| 23   | 318.4 | 101.0 | 74.2  | 78.8  | 131.4 | 78.8  | 65.0  | 239.4 | 421.6 | 194.7 | 55.0  | 114.0 |
| 24   | 627.5 | 119.8 | 83.4  | 74.2  | 108.8 | 95.8  | 65.0  | 223.2 | 520.0 | 293.8 | 51.0  | 111.4 |
| 25   | 448.2 | 119.8 | 101.0 | 74.2  | 101.0 | 116.9 | 65.0  | 179.2 | 709.9 | 325.6 | 55.0  | 98.4  |
| 26   | 329.2 | 111.4 | 76.5  | 74.2  | 95.8  | 128.5 | 63.0  | 152.0 | 839.0 | 246.2 | 57.0  | 76.5  |
| 27   | 297.2 | 131.4 | 71.9  | 78.8  | 90.6  | 146.0 | 61.0  | 131.4 | 705.6 | 188.5 | 61.0  | 59.0  |
| 28   | 391.2 | 128.5 | 83.4  | 391.2 | 85.7  | 131.4 | 61.0  | 116.9 | 512.0 | 164.0 | 61.0  | 51.0  |
| 29   | 558.0 | 122.7 | 106.2 | 283.6 | 83.4  | 116.9 | 71.9  | 106.2 | 379.8 | 173.0 | 57.0  | 45.0  |
| 30   | 662.2 |       | 185.4 | 191.6 | 81.1  | 103.6 | 74.2  | 98.4  | 293.8 | 179.2 | 53.0  | 41.7  |
| 31   | 618.8 |       | 176.1 |       | 81.1  |       | 98.4  | 90.6  |       | 210.4 |       | 40.1  |
| Mean | 191.9 | 196.8 | 83.8  | 149.5 | 219.3 | 95.9  | 90.4  | 145.5 | 340.4 | 185.3 | 94.1  | 72.4  |

# DAILY MEAN DISCHARGE AT APIUNA (9/25)

| Year : 1957 |       |       |       |       |       |       |        |        |        |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|
| Day         | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.   | Aug.   | Sep.   | Oct.  | Nov.  | Dec.  |
| 1           | 38.5  | 83.4  | 41.7  | 93.2  | 226.4 | 53.0  | 657.9  | 1420.2 | 253.0  | 266.6 | 182.3 | 76.5  |
| 2           | 38.5  | 137.2 | 40.1  | 83.4  | 200.9 | 51.0  | 718.6  | 2064.0 | 220.0  | 249.6 | 204.0 | 98.4  |
| 3           | 36.8  | 259.8 | 49.0  | 69.6  | 161.0 | 51.0  | 545.0  | 1552.9 | 336.4  | 229.6 | 273.4 | 125.6 |
| 4           | 36.8  | 283.6 | 53.0  | 90.6  | 134.3 | 53.0  | 372.4  | 1163.5 | 1232.2 | 216.8 | 249.6 | 106.2 |
| 5           | 35.2  | 216.8 | 59.0  | 95.8  | 116.9 | 53.0  | 283.6  | 771.5  | 1168.4 | 200.9 | 188.5 | 88.0  |
| 6           | 35.2  | 179.2 | 69.6  | 90.6  | 111.4 | 53.0  | 239.4  | 549.4  | 843.5  | 188.5 | 158.0 | 78.8  |
| 7           | 33.6  | 146.0 | 59.0  | 85.7  | 125.6 | 131.4 | 220.0  | 376.0  | 662.2  | 176.1 | 146.0 | 101.0 |
| 8           | 55.0  | 158.0 | 53.0  | 78.8  | 188.5 | 210.4 | 213.6  | 304.0  | 1139.2 | 170.0 | 158.0 | 114.0 |
| 9           | 101.0 | 134.3 | 59.0  | 71.9  | 188.5 | 152.0 | 188.5  | 273.4  | 1110.1 | 161.0 | 173.0 | 111.4 |
| 10          | 88.0  | 101.0 | 95.8  | 93.2  | 158.0 | 101.0 | 167.0  | 300.6  | 794.0  | 146.0 | 207.2 | 101.0 |
| 11          | 65.0  | 83.4  | 304.0 | 85.7  | 146.0 | 83.4  | 152.0  | 520.0  | 575.4  | 143.0 | 188.5 | 90.6  |
| 12          | 55.0  | 71.9  | 249.6 | 69.6  | 149.0 | 74.2  | 137.2  | 1056.6 | 444.4  | 152.0 | 164.0 | 81.1  |
| 13          | 51.0  | 63.0  | 170.0 | 61.0  | 158.0 | 71.9  | 122.7  | 740.3  | 387.4  | 143.0 | 143.0 | 78.8  |
| 14          | 83.4  | 57.0  | 119.8 | 55.0  | 149.0 | 67.3  | 114.0  | 794.0  | 347.2  | 140.1 | 140.1 | 101.0 |
| 15          | 249.6 | 65.0  | 106.2 | 85.7  | 134.3 | 67.3  | 116.9  | 588.4  | 839.0  | 128.5 | 158.0 | 98.4  |
| 16          | 204.0 | 111.4 | 101.0 | 95.8  | 116.9 | 63.0  | 143.0  | 508.0  | 1465.9 | 137.2 | 149.0 | 83.4  |
| 17          | 143.0 | 90.6  | 81.1  | 83.4  | 106.2 | 59.0  | 179.2  | 1420.2 | 1066.3 | 149.0 | 143.0 | 88.0  |
| 18          | 101.0 | 61.0  | 65.0  | 63.0  | 95.8  | 57.0  | 191.6  | 2981.7 | 798.5  | 155.0 | 143.0 | 81.1  |
| 19          | 101.0 | 53.0  | 59.0  | 59.0  | 88.0  | 55.0  | 372.4  | 2487.4 | 666.5  | 182.3 | 158.0 | 76.5  |
| 20          | 101.0 | 49.0  | 101.0 | 61.0  | 81.1  | 55.0  | 1100.4 | 1694.9 | 636.2  | 314.8 | 152.0 | 83.4  |
| 21          | 88.0  | 47.0  | 216.8 | 63.0  | 76.5  | 53.0  | 1349.1 | 1394.8 | 906.5  | 372.4 | 158.0 | 74.2  |
| 22          | 98.4  | 43.4  | 200.9 | 59.0  | 71.9  | 51.0  | 960.5  | 1100.4 | 969.5  | 666.5 | 143.0 | 69.6  |
| 23          | 90.6  | 43.4  | 197.8 | 55.0  | 67.3  | 49.0  | 666.5  | 776.0  | 1085.8 | 998.3 | 122.7 | 65.0  |
| 24          | 111.4 | 43.4  | 256.4 | 51.0  | 65.0  | 47.0  | 436.8  | 532.0  | 1100.4 | 727.3 | 111.4 | 61.0  |
| 25          | 143.0 | 49.0  | 232.8 | 55.0  | 63.0  | 47.0  | 361.6  | 387.4  | 888.5  | 476.0 | 103.6 | 57.0  |
| 26          | 170.0 | 43.4  | 164.0 | 249.6 | 61.0  | 45.0  | 322.0  | 318.4  | 670.9  | 379.8 | 98.4  | 55.0  |
| 27          | 128.5 | 40.1  | 134.3 | 662.2 | 57.0  | 137.2 | 273.4  | 280.2  | 504.0  | 307.6 | 88.0  | 85.7  |
| 28          | 98.4  | 41.7  | 101.0 | 414.0 | 59.0  | 340.0 | 223.2  | 256.4  | 410.2  | 266.6 | 85.7  | 78.8  |
| 29          | 111.4 |       | 83.4  | 266.6 | 61.0  | 709.9 | 204.0  | 236.0  | 347.2  | 229.6 | 78.8  | 76.5  |
| 30          | 95.8  |       | 71.9  | 229.6 | 59.0  | 566.7 | 340.0  | 266.6  | 304.0  | 204.0 | 78.8  | 63.0  |
| 31          | 76.5  |       | 83.4  |       | 53.0  |       | 1232.2 | 287.0  |        | 188.5 |       | 67.3  |
| Mean        | 92.4  | 98.4  | 118.7 | 122.6 | 113.9 | 120.3 | 406.6  | 883.9  | 739.1  | 273.1 | 151.6 | 84.4  |

| Year : 1958 |       |       |        |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day         | Jan.  | Feb.  | Mar.   | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1           | 71.9  | 53.0  | 236.0  | 185.4 | 55.0  | 74.2  | 88.0  | 125.6 | 128.5 | 170.0 | 188.5 | 131.4 |
| 2           | 74.2  | 51.0  | 191.6  | 170.0 | 65.0  | 65.0  | 83.4  | 106.2 | 114.0 | 152.0 | 137.2 | 128.5 |
| 3           | 71.9  | 45.0  | 167.0  | 149.0 | 69.6  | 61.0  | 85.7  | 98.4  | 103.6 | 149.0 | 111.4 | 155.0 |
| 4           | 69.6  | 43.4  | 143.0  | 122.7 | 67.3  | 57.0  | 78.8  | 88.0  | 101.0 | 155.0 | 101.0 | 170.0 |
| 5           | 59.0  | 38.5  | 140.1  | 111.4 | 61.0  | 55.0  | 78.8  | 74.2  | 93.2  | 188.5 | 88.0  | 176.1 |
| 6           | 53.0  | 41.7  | 116.9  | 101.0 | 63.0  | 65.0  | 76.5  | 81.1  | 88.0  | 575.4 | 88.0  | 173.0 |
| 7           | 47.0  | 93.2  | 128.5  | 98.4  | 63.0  | 71.9  | 71.9  | 176.1 | 125.6 | 834.5 | 78.8  | 164.0 |
| 8           | 45.0  | 114.0 | 128.5  | 95.8  | 61.0  | 69.6  | 67.3  | 666.5 | 304.0 | 618.8 | 74.2  | 185.4 |
| 9           | 38.5  | 90.6  | 114.0  | 125.6 | 59.0  | 63.0  | 65.0  | 696.9 | 270.0 | 417.8 | 65.0  | 239.4 |
| 10          | 41.7  | 65.0  | 93.2   | 146.0 | 57.0  | 61.0  | 63.0  | 540.7 | 484.0 | 307.6 | 74.2  | 236.0 |
| 11          | 45.0  | 53.0  | 78.8   | 140.1 | 55.0  | 125.6 | 61.0  | 361.6 | 683.9 | 290.4 | 182.3 | 188.5 |
| 12          | 38.5  | 45.0  | 71.9   | 137.2 | 51.0  | 161.0 | 61.0  | 270.0 | 484.0 | 311.2 | 266.6 | 185.4 |
| 13          | 36.8  | 41.7  | 101.0  | 128.5 | 47.0  | 368.8 | 61.0  | 223.2 | 410.2 | 273.4 | 220.0 | 161.0 |
| 14          | 90.6  | 38.5  | 524.0  | 116.9 | 47.0  | 771.5 | 59.0  | 191.6 | 528.0 | 223.2 | 179.2 | 200.9 |
| 15          | 76.5  | 36.8  | 983.7  | 103.6 | 49.0  | 460.0 | 55.0  | 170.0 | 709.9 | 197.8 | 143.0 | 410.2 |
| 16          | 71.9  | 47.0  | 1105.2 | 93.2  | 45.0  | 307.6 | 76.5  | 146.0 | 785.0 | 176.1 | 161.0 | 391.2 |
| 17          | 149.0 | 45.0  | 1032.3 | 85.7  | 45.0  | 410.2 | 116.9 | 134.3 | 592.8 | 161.0 | 601.4 | 259.8 |
| 18          | 188.5 | 61.0  | 1080.9 | 78.8  | 43.4  | 365.2 | 134.3 | 119.8 | 410.2 | 155.0 | 406.4 | 425.4 |
| 19          | 155.0 | 81.1  | 1158.7 | 76.5  | 41.7  | 304.0 | 101.0 | 111.4 | 307.6 | 146.0 | 263.2 | 376.0 |
| 20          | 108.8 | 229.6 | 870.5  | 76.5  | 41.7  | 246.2 | 83.4  | 103.6 | 239.4 | 131.4 | 329.2 | 332.8 |
| 21          | 93.2  | 500.0 | 631.8  | 74.2  | 41.7  | 204.0 | 74.2  | 98.4  | 207.2 | 119.8 | 304.0 | 304.0 |
| 22          | 85.7  | 368.8 | 452.0  | 71.9  | 41.7  | 176.1 | 67.3  | 90.6  | 188.5 | 111.4 | 239.4 | 283.6 |
| 23          | 74.2  | 290.4 | 329.2  | 67.3  | 47.0  | 161.0 | 65.0  | 88.0  | 173.0 | 114.0 | 197.8 | 249.6 |
| 24          | 63.0  | 226.4 | 368.8  | 65.0  | 51.0  | 140.1 | 61.0  | 83.4  | 194.7 | 185.4 | 188.5 | 210.4 |
| 25          | 63.0  | 259.8 | 287.0  | 63.0  | 51.0  | 125.6 | 61.0  | 81.1  | 350.8 | 191.6 | 229.6 | 182.3 |
| 26          | 76.5  | 376.0 | 229.6  | 61.0  | 61.0  | 116.9 | 57.0  | 76.5  | 425.4 | 216.8 | 213.6 | 161.0 |
| 27          | 74.2  | 297.2 | 194.7  | 61.0  | 74.2  | 111.4 | 57.0  | 74.2  | 318.4 | 204.0 | 191.6 | 146.0 |
| 28          | 65.0  | 283.6 | 173.0  | 61.0  | 114.0 | 101.0 | 108.8 | 76.5  | 253.0 | 182.3 | 158.0 | 134.3 |
| 29          | 57.0  |       | 152.0  | 57.0  | 188.5 | 98.4  | 194.7 | 176.1 | 210.4 | 152.0 | 137.2 | 116.9 |
| 30          | 55.0  |       | 146.0  | 57.0  | 143.0 | 90.6  | 204.0 | 236.0 | 188.5 | 131.4 | 137.2 | 108.8 |
| 31          | 51.0  |       | 173.0  |       | 98.4  |       | 158.0 | 173.0 |       | 161.0 |       | 200.9 |
| Mean        | 73.9  | 139.9 | 374.3  | 99.4  | 64.5  | 182.9 | 86.3  | 185.1 | 315.8 | 238.8 | 191.9 | 219.0 |



# DAILY MEAN DISCHARGE AT APIUNA (10/25)

| Year | : 1959 |       |       |       |       |       |      |       |       |       |      |       |
|------|--------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul. | Aug.  | Sep.  | Oct.  | Nov. | Dec.  |
| 1    | 170.0  | 57.0  | 146.0 | 41.7  | 131.4 | 78.8  | 63.0 | 63.0  | 354.4 | 155.0 | 51.0 | 36.8  |
| 2    | 137.2  | 59.0  | 131.4 | 41.7  | 111.4 | 76.5  | 61.0 | 95.8  | 848.0 | 137.2 | 47.0 | 53.0  |
| 3    | 140.1  | 67.3  | 103.6 | 41.7  | 158.0 | 71.9  | 59.0 | 140.1 | 705.6 | 122.7 | 45.0 | 76.5  |
| 4    | 146.0  | 59.0  | 90.6  | 103.6 | 143.0 | 65.0  | 57.0 | 101.0 | 692.6 | 116.9 | 45.0 | 61.0  |
| 5    | 220.0  | 63.0  | 81.1  | 131.4 | 122.7 | 61.0  | 53.0 | 74.2  | 807.5 | 111.4 | 47.0 | 53.0  |
| 6    | 207.2  | 76.5  | 76.5  | 179.2 | 106.2 | 63.0  | 71.9 | 65.0  | 540.7 | 101.0 | 45.0 | 43.4  |
| 7    | 161.0  | 78.8  | 71.9  | 155.0 | 90.6  | 65.0  | 76.5 | 55.0  | 372.4 | 101.0 | 69.6 | 38.5  |
| 8    | 167.0  | 98.4  | 67.3  | 122.7 | 83.4  | 61.0  | 67.3 | 53.0  | 276.8 | 95.8  | 67.3 | 41.7  |
| 9    | 155.0  | 210.4 | 65.0  | 108.8 | 76.5  | 57.0  | 65.0 | 51.0  | 226.4 | 88.0  | 55.0 | 98.4  |
| 10   | 128.5  | 229.6 | 65.0  | 88.0  | 74.2  | 55.0  | 63.0 | 49.0  | 207.2 | 83.4  | 53.0 | 111.4 |
| 11   | 108.8  | 188.5 | 59.0  | 74.2  | 69.6  | 51.0  | 57.0 | 47.0  | 185.4 | 81.1  | 67.3 | 74.2  |
| 12   | 108.8  | 170.0 | 53.0  | 65.0  | 65.0  | 51.0  | 55.0 | 45.0  | 259.8 | 103.6 | 93.2 | 55.0  |
| 13   | 111.4  | 137.2 | 61.0  | 61.0  | 61.0  | 49.0  | 51.0 | 55.0  | 304.0 | 185.4 | 95.8 | 43.4  |
| 14   | 98.4   | 191.6 | 74.2  | 55.0  | 57.0  | 47.0  | 47.0 | 220.0 | 263.2 | 167.0 | 76.5 | 36.8  |
| 15   | 90.6   | 173.0 | 83.4  | 53.0  | 55.0  | 47.0  | 47.0 | 354.4 | 220.0 | 143.0 | 65.0 | 33.6  |
| 16   | 83.4   | 161.0 | 65.0  | 47.0  | 53.0  | 45.0  | 45.0 | 246.2 | 200.9 | 143.0 | 55.0 | 32.0  |
| 17   | 95.8   | 140.1 | 69.6  | 45.0  | 51.0  | 45.0  | 45.0 | 167.0 | 188.5 | 116.9 | 49.0 | 36.8  |
| 18   | 140.1  | 128.5 | 143.0 | 41.7  | 71.9  | 45.0  | 41.7 | 128.5 | 167.0 | 98.4  | 49.0 | 43.4  |
| 19   | 131.4  | 119.8 | 131.4 | 40.1  | 108.8 | 45.0  | 41.7 | 103.6 | 149.0 | 85.7  | 47.0 | 55.0  |
| 20   | 95.8   | 125.6 | 85.7  | 38.5  | 111.4 | 43.4  | 41.7 | 90.6  | 134.3 | 98.4  | 45.0 | 45.0  |
| 21   | 85.7   | 158.0 | 67.3  | 45.0  | 143.0 | 41.7  | 43.4 | 81.1  | 134.3 | 103.6 | 43.4 | 41.7  |
| 22   | 83.4   | 329.2 | 61.0  | 85.7  | 402.6 | 43.4  | 51.0 | 76.5  | 131.4 | 95.8  | 40.1 | 65.0  |
| 23   | 114.0  | 304.0 | 61.0  | 137.2 | 343.6 | 71.9  | 43.4 | 65.0  | 111.4 | 85.7  | 36.8 | 65.0  |
| 24   | 119.8  | 239.4 | 74.2  | 128.5 | 232.8 | 122.7 | 41.7 | 63.0  | 119.8 | 74.2  | 35.2 | 61.0  |
| 25   | 101.0  | 236.0 | 76.5  | 93.2  | 170.0 | 152.0 | 38.5 | 61.0  | 122.7 | 65.0  | 35.2 | 53.0  |
| 26   | 83.4   | 229.6 | 67.3  | 263.2 | 137.2 | 128.5 | 38.5 | 57.0  | 185.4 | 65.0  | 36.8 | 43.4  |
| 27   | 71.9   | 204.0 | 59.0  | 666.5 | 119.8 | 101.0 | 38.5 | 55.0  | 280.2 | 61.0  | 36.8 | 36.8  |
| 28   | 65.0   | 170.0 | 55.0  | 350.8 | 108.8 | 83.4  | 36.8 | 53.0  | 256.4 | 59.0  | 35.2 | 32.0  |
| 29   | 65.0   |       | 51.0  | 216.8 | 98.4  | 74.2  | 36.8 | 53.0  | 239.4 | 61.0  | 35.2 | 28.7  |
| 30   | 63.0   |       | 47.0  | 161.0 | 88.0  | 65.0  | 38.5 | 176.1 | 179.2 | 61.0  | 32.0 | 27.4  |
| 31   | 57.0   |       | 45.0  |       | 85.7  |       | 43.4 | 440.6 |       | 55.0  |      | 32.0  |
| Mean | 116.3  | 157.3 | 77.0  | 122.7 | 120.4 | 66.9  | 50.3 | 109.2 | 295.5 | 100.7 | 51.1 | 50.2  |

| Year | : 1960 |       |       |       |       |       |      |       |       |       |       |       |
|------|--------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul. | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
| 1    | 35.2   | 63.0  | 63.0  | 45.0  | 33.6  | 40.1  | 49.0 | 194.7 | 508.0 | 76.5  | 253.0 | 266.6 |
| 2    | 35.2   | 76.5  | 170.0 | 41.7  | 35.2  | 38.5  | 47.0 | 391.2 | 444.4 | 69.6  | 263.2 | 216.8 |
| 3    | 30.3   | 128.5 | 398.8 | 51.0  | 38.5  | 36.8  | 45.0 | 480.0 | 314.8 | 63.0  | 270.0 | 182.3 |
| 4    | 26.1   | 300.6 | 322.0 | 98.4  | 35.2  | 35.2  | 38.5 | 460.0 | 246.2 | 59.0  | 253.0 | 152.0 |
| 5    | 23.6   | 273.4 | 223.2 | 88.0  | 33.6  | 33.6  | 38.5 | 322.0 | 200.9 | 57.0  | 249.6 | 128.5 |
| 6    | 22.3   | 182.3 | 149.0 | 103.6 | 32.0  | 32.0  | 36.8 | 229.6 | 161.0 | 55.0  | 246.2 | 116.9 |
| 7    | 23.6   | 106.2 | 111.4 | 322.0 | 30.3  | 30.3  | 35.2 | 149.0 | 143.0 | 53.0  | 200.9 | 111.4 |
| 8    | 78.8   | 74.2  | 93.2  | 383.6 | 28.7  | 32.0  | 33.6 | 131.4 | 134.3 | 114.0 | 170.0 | 108.8 |
| 9    | 108.8  | 61.0  | 76.5  | 266.6 | 27.4  | 30.3  | 30.3 | 111.4 | 122.7 | 213.6 | 158.0 | 101.0 |
| 10   | 143.0  | 51.0  | 158.0 | 185.4 | 27.4  | 30.3  | 30.3 | 95.8  | 111.4 | 259.8 | 161.0 | 88.0  |
| 11   | 101.0  | 51.0  | 131.4 | 140.1 | 27.4  | 28.7  | 30.3 | 83.4  | 101.0 | 210.4 | 476.0 | 83.4  |
| 12   | 108.8  | 74.2  | 106.2 | 114.0 | 27.4  | 28.7  | 30.3 | 74.2  | 90.6  | 140.1 | 812.0 | 182.3 |
| 13   | 98.4   | 71.9  | 88.0  | 90.6  | 26.1  | 27.4  | 30.3 | 67.3  | 90.6  | 111.4 | 780.5 | 185.4 |
| 14   | 65.0   | 140.1 | 95.8  | 81.1  | 26.1  | 27.4  | 28.7 | 76.5  | 101.0 | 95.8  | 597.1 | 158.0 |
| 15   | 49.0   | 176.1 | 103.6 | 71.9  | 28.7  | 26.1  | 28.7 | 229.6 | 111.4 | 116.9 | 444.4 | 167.0 |
| 16   | 38.5   | 146.0 | 90.6  | 65.0  | 38.5  | 26.1  | 28.7 | 170.0 | 98.4  | 185.4 | 318.4 | 194.7 |
| 17   | 33.6   | 173.0 | 90.6  | 63.0  | 114.0 | 26.1  | 27.4 | 213.6 | 93.2  | 249.6 | 253.0 | 185.4 |
| 18   | 30.3   | 213.6 | 76.5  | 61.0  | 93.2  | 28.7  | 27.4 | 974.0 | 103.6 | 297.2 | 210.4 | 182.3 |
| 19   | 33.6   | 256.4 | 65.0  | 61.0  | 63.0  | 28.7  | 27.4 | 902.0 | 125.6 | 329.2 | 188.5 | 158.0 |
| 20   | 38.5   | 229.6 | 63.0  | 57.0  | 85.7  | 30.3  | 28.7 | 480.0 | 103.6 | 249.6 | 170.0 | 125.6 |
| 21   | 41.7   | 204.0 | 131.4 | 53.0  | 185.4 | 30.3  | 28.7 | 311.2 | 88.0  | 236.0 | 155.0 | 103.6 |
| 22   | 41.7   | 155.0 | 164.0 | 47.0  | 173.0 | 36.8  | 28.7 | 229.6 | 78.8  | 191.6 | 143.0 | 88.0  |
| 23   | 33.6   | 128.5 | 143.0 | 45.0  | 116.9 | 61.0  | 28.7 | 191.6 | 76.5  | 155.0 | 134.3 | 78.8  |
| 24   | 30.3   | 108.8 | 106.2 | 41.7  | 81.1  | 176.1 | 27.4 | 170.0 | 78.8  | 143.0 | 119.8 | 76.5  |
| 25   | 28.7   | 90.6  | 85.7  | 38.5  | 65.0  | 232.8 | 26.1 | 152.0 | 90.6  | 185.4 | 111.4 | 74.2  |
| 26   | 28.7   | 74.2  | 71.9  | 36.8  | 57.0  | 140.1 | 26.1 | 158.0 | 108.8 | 343.6 | 111.4 | 78.8  |
| 27   | 27.4   | 63.0  | 63.0  | 36.8  | 53.0  | 90.6  | 24.9 | 300.6 | 103.6 | 974.0 | 125.6 | 98.4  |
| 28   | 53.0   | 59.0  | 55.0  | 35.2  | 49.0  | 76.5  | 24.9 | 283.6 | 90.6  | 718.6 | 307.6 | 78.8  |
| 29   | 51.0   | 59.0  | 53.0  | 35.2  | 45.0  | 63.0  | 24.9 | 223.2 | 78.8  | 566.7 | 571.1 | 93.2  |
| 30   | 38.5   |       | 51.0  | 33.6  | 41.7  | 53.0  | 24.9 | 188.5 | 76.5  | 387.4 | 448.2 | 106.2 |
| 31   | 49.0   |       | 45.0  |       | 40.1  |       | 28.7 | 188.5 |       | 287.0 |       | 101.0 |
| Mean | 49.9   | 130.7 | 117.6 | 93.1  | 56.7  | 52.6  | 31.2 | 265.6 | 142.6 | 232.1 | 290.1 | 131.4 |

# DAILY MEAN DISCHARGE AT APIUNA (11/25)

Year : 1961

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug. | Sep.   | Oct.   | Nov.   | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|------|--------|--------|--------|-------|
| 1    | 83.4  | 76.5  | 297.2 | 101.0 | 65.0  | 45.0  | 55.0  | 45.0 | 40.1   | 1022.6 | 1744.0 | 318.4 |
| 2    | 108.8 | 65.0  | 220.0 | 95.8  | 63.0  | 41.7  | 55.0  | 45.0 | 43.4   | 771.5  | 2081.7 | 605.8 |
| 3    | 98.4  | 61.0  | 170.0 | 108.8 | 61.0  | 41.7  | 53.0  | 43.4 | 47.0   | 516.0  | 1602.0 | 875.0 |
| 4    | 90.6  | 88.0  | 137.2 | 128.5 | 61.0  | 40.1  | 53.0  | 41.7 | 40.1   | 354.4  | 1298.3 | 601.4 |
| 5    | 158.0 | 249.6 | 111.4 | 116.9 | 74.2  | 40.1  | 51.0  | 41.7 | 36.8   | 283.6  | 1212.1 | 402.6 |
| 6    | 152.0 | 263.2 | 108.8 | 98.4  | 78.8  | 47.0  | 49.0  | 41.7 | 71.9   | 239.4  | 1349.1 | 293.8 |
| 7    | 114.0 | 188.5 | 119.8 | 83.4  | 74.2  | 57.0  | 47.0  | 38.5 | 325.6  | 213.6  | 852.5  | 246.2 |
| 8    | 95.8  | 167.0 | 128.5 | 78.8  | 76.5  | 55.0  | 108.8 | 38.5 | 410.2  | 188.5  | 614.5  | 210.4 |
| 9    | 81.1  | 188.5 | 101.0 | 74.2  | 88.0  | 51.0  | 194.7 | 36.8 | 512.0  | 253.0  | 436.8  | 191.6 |
| 10   | 69.6  | 239.4 | 93.2  | 71.9  | 85.7  | 45.0  | 158.0 | 36.8 | 960.5  | 204.0  | 350.8  | 176.1 |
| 11   | 63.0  | 223.2 | 88.0  | 67.3  | 74.2  | 47.0  | 119.8 | 35.2 | 1399.9 | 273.4  | 314.8  | 176.1 |
| 12   | 59.0  | 167.0 | 83.4  | 67.3  | 63.0  | 90.6  | 101.0 | 35.2 | 1727.6 | 417.8  | 276.8  | 197.8 |
| 13   | 57.0  | 128.5 | 101.0 | 69.6  | 59.0  | 220.0 | 88.0  | 35.2 | 1596.6 | 329.2  | 266.6  | 185.4 |
| 14   | 53.0  | 108.8 | 146.0 | 67.3  | 55.0  | 318.4 | 76.5  | 33.6 | 1090.6 | 516.0  | 239.4  | 155.0 |
| 15   | 47.0  | 93.2  | 152.0 | 90.6  | 55.0  | 239.4 | 85.7  | 35.2 | 839.0  | 1445.6 | 239.4  | 140.1 |
| 16   | 61.0  | 95.8  | 122.7 | 200.9 | 53.0  | 173.0 | 170.0 | 35.2 | 584.1  | 821.0  | 207.2  | 131.4 |
| 17   | 78.8  | 108.8 | 108.8 | 236.0 | 57.0  | 128.5 | 125.6 | 45.0 | 379.8  | 536.3  | 176.1  | 194.7 |
| 18   | 103.6 | 155.0 | 226.4 | 197.8 | 65.0  | 101.0 | 103.6 | 57.0 | 290.4  | 406.4  | 161.0  | 191.6 |
| 19   | 210.4 | 119.8 | 433.0 | 185.4 | 249.6 | 88.0  | 90.6  | 47.0 | 249.6  | 322.0  | 146.0  | 152.0 |
| 20   | 229.6 | 143.0 | 631.8 | 149.0 | 111.4 | 88.0  | 81.1  | 41.7 | 239.4  | 266.6  | 173.0  | 125.6 |
| 21   | 223.2 | 191.6 | 974.0 | 131.4 | 83.4  | 98.4  | 76.5  | 36.8 | 236.0  | 300.6  | 194.7  | 173.0 |
| 22   | 173.0 | 207.2 | 924.5 | 122.7 | 65.0  | 103.6 | 71.9  | 38.5 | 304.0  | 512.0  | 207.2  | 270.0 |
| 23   | 140.1 | 236.0 | 571.1 | 114.0 | 61.0  | 103.6 | 65.0  | 36.8 | 340.0  | 460.0  | 314.8  | 329.2 |
| 24   | 114.0 | 259.8 | 368.8 | 106.2 | 57.0  | 88.0  | 61.0  | 36.8 | 329.2  | 376.0  | 273.4  | 311.2 |
| 25   | 93.2  | 249.6 | 259.8 | 101.0 | 55.0  | 78.8  | 57.0  | 33.6 | 508.0  | 627.5  | 204.0  | 220.0 |
| 26   | 78.8  | 204.0 | 229.6 | 88.0  | 53.0  | 71.9  | 55.0  | 33.6 | 579.7  | 1344.0 | 185.4  | 191.6 |
| 27   | 95.8  | 329.2 | 188.5 | 90.6  | 53.0  | 69.6  | 55.0  | 30.3 | 496.0  | 893.0  | 226.4  | 164.0 |
| 28   | 101.0 | 314.8 | 155.0 | 88.0  | 49.0  | 65.0  | 55.0  | 32.0 | 480.0  | 631.8  | 266.6  | 158.0 |
| 29   | 114.0 |       | 134.3 | 83.4  | 47.0  | 63.0  | 51.0  | 30.3 | 1298.3 | 421.6  | 290.4  | 149.0 |
| 30   | 95.8  |       | 122.7 | 74.2  | 47.0  | 61.0  | 47.0  | 33.6 | 1430.4 | 343.6  | 223.2  | 232.8 |
| 31   | 88.0  |       | 111.4 |       | 45.0  |       | 45.0  | 40.1 |        | 723.0  |        | 223.2 |
| Mean | 107.5 | 175.8 | 245.8 | 109.6 | 70.5  | 92.0  | 80.8  | 38.4 | 562.9  | 516.6  | 537.6  | 257.8 |

Year : 1962

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.   | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 1    | 176.1 | 83.4  | 65.0  | 83.4  | 45.0  | 90.6  | 47.0  | 111.4 | 51.0   | 146.0 | 197.8 | 176.1 |
| 2    | 146.0 | 83.4  | 134.3 | 76.5  | 85.7  | 88.0  | 47.0  | 106.2 | 45.0   | 170.0 | 182.3 | 106.2 |
| 3    | 134.3 | 83.4  | 179.2 | 69.6  | 98.4  | 131.4 | 45.0  | 101.0 | 43.4   | 220.0 | 170.0 | 88.0  |
| 4    | 122.7 | 158.0 | 143.0 | 40.1  | 81.1  | 158.0 | 45.0  | 85.7  | 40.1   | 216.8 | 149.0 | 185.4 |
| 5    | 106.2 | 266.6 | 111.4 | 55.0  | 63.0  | 128.5 | 45.0  | 78.8  | 36.8   | 283.6 | 191.6 | 146.0 |
| 6    | 95.8  | 188.5 | 116.9 | 51.0  | 55.0  | 108.8 | 45.0  | 69.6  | 36.8   | 239.4 | 293.8 | 111.4 |
| 7    | 88.0  | 131.4 | 76.5  | 53.0  | 51.0  | 98.4  | 45.0  | 65.0  | 36.8   | 179.2 | 253.0 | 103.6 |
| 8    | 95.8  | 108.8 | 90.6  | 61.0  | 45.0  | 88.0  | 43.4  | 63.0  | 36.8   | 149.0 | 232.8 | 90.6  |
| 9    | 90.6  | 101.0 | 85.7  | 85.7  | 43.4  | 88.0  | 49.0  | 59.0  | 55.0   | 131.4 | 213.6 | 83.4  |
| 10   | 95.8  | 85.7  | 69.6  | 103.6 | 40.1  | 95.8  | 176.1 | 61.0  | 103.6  | 125.6 | 185.4 | 76.5  |
| 11   | 101.0 | 71.9  | 78.8  | 83.4  | 40.1  | 88.0  | 246.2 | 57.0  | 114.0  | 140.1 | 158.0 | 71.9  |
| 12   | 114.0 | 116.9 | 83.4  | 67.3  | 38.5  | 69.6  | 176.1 | 53.0  | 103.6  | 170.0 | 137.2 | 67.3  |
| 13   | 101.0 | 134.3 | 76.5  | 61.0  | 38.5  | 65.0  | 128.5 | 51.0  | 83.4   | 170.0 | 122.7 | 63.0  |
| 14   | 106.2 | 122.7 | 65.0  | 55.0  | 38.5  | 65.0  | 90.6  | 51.0  | 76.5   | 143.0 | 111.4 | 59.0  |
| 15   | 155.0 | 106.2 | 63.0  | 51.0  | 36.8  | 63.0  | 76.5  | 53.0  | 93.2   | 122.7 | 101.0 | 55.0  |
| 16   | 176.1 | 85.7  | 74.2  | 61.0  | 36.8  | 61.0  | 78.8  | 51.0  | 78.8   | 111.4 | 90.6  | 49.0  |
| 17   | 128.5 | 114.0 | 421.6 | 69.6  | 35.2  | 57.0  | 167.0 | 49.0  | 76.5   | 111.4 | 88.0  | 47.0  |
| 18   | 101.0 | 111.4 | 304.0 | 65.0  | 33.6  | 55.0  | 259.8 | 49.0  | 90.6   | 167.0 | 88.0  | 61.0  |
| 19   | 88.0  | 90.6  | 318.4 | 61.0  | 41.7  | 55.0  | 164.0 | 47.0  | 297.2  | 372.4 | 88.0  | 67.3  |
| 20   | 81.1  | 81.1  | 440.6 | 57.0  | 65.0  | 55.0  | 131.4 | 47.0  | 1460.8 | 417.8 | 98.4  | 59.0  |
| 21   | 76.5  | 67.3  | 391.2 | 53.0  | 242.8 | 57.0  | 111.4 | 45.0  | 1100.4 | 318.4 | 161.0 | 53.0  |
| 22   | 71.9  | 65.0  | 259.8 | 51.0  | 575.4 | 63.0  | 103.6 | 51.0  | 812.0  | 229.6 | 114.0 | 45.0  |
| 23   | 65.0  | 67.3  | 188.5 | 49.0  | 575.4 | 88.0  | 88.0  | 65.0  | 610.1  | 200.9 | 95.8  | 41.7  |
| 24   | 65.0  | 114.0 | 161.0 | 45.0  | 280.2 | 76.5  | 83.4  | 63.0  | 425.4  | 161.0 | 81.1  | 36.8  |
| 25   | 71.9  | 140.1 | 140.1 | 47.0  | 164.0 | 71.9  | 88.0  | 53.0  | 318.4  | 134.3 | 74.2  | 38.5  |
| 26   | 119.8 | 95.8  | 128.5 | 57.0  | 131.4 | 65.0  | 143.0 | 45.0  | 246.2  | 122.7 | 67.3  | 43.4  |
| 27   | 108.8 | 76.5  | 108.8 | 63.0  | 122.7 | 57.0  | 116.9 | 45.0  | 188.5  | 122.7 | 65.0  | 47.0  |
| 28   | 81.1  | 65.0  | 93.2  | 53.0  | 131.4 | 55.0  | 140.1 | 43.4  | 173.0  | 131.4 | 61.0  | 41.7  |
| 29   | 69.6  |       | 83.4  | 45.0  | 161.0 | 53.0  | 125.6 | 41.7  | 146.0  | 164.0 | 65.0  | 38.5  |
| 30   | 74.2  |       | 71.9  | 43.4  | 128.5 | 53.0  | 131.4 | 45.0  | 140.1  | 155.0 | 137.2 | 35.2  |
| 31   | 88.0  |       | 83.4  |       | 101.0 |       | 119.8 | 53.0  |        | 188.5 |       | 33.6  |
| Mean | 103.1 | 107.7 | 151.9 | 60.6  | 117.0 | 78.3  | 108.3 | 60.0  | 237.3  | 184.4 | 135.8 | 71.6  |

# DAILY MEAN DISCHARGE AT APIUNA (12/25)

Year : 1963

| Day  | Jan.   | Feb.   | Mar.   | Apr.  | May  | Jun. | Jul.  | Aug.  | Sep.   | Oct.   | Nov.   | Dec.  |
|------|--------|--------|--------|-------|------|------|-------|-------|--------|--------|--------|-------|
| 1    | 36.8   | 1503.8 | 480.0  | 311.2 | 55.0 | 36.8 | 26.1  | 30.3  | 43.4   | 1046.9 | 179.2  | 232.8 |
| 2    | 36.8   | 1202.4 | 395.0  | 270.0 | 55.0 | 36.8 | 26.1  | 30.3  | 41.7   | 789.5  | 256.4  | 332.8 |
| 3    | 33.6   | 1051.8 | 332.8  | 229.6 | 55.0 | 36.8 | 26.1  | 28.7  | 40.1   | 532.0  | 207.2  | 287.0 |
| 4    | 28.7   | 1061.5 | 263.2  | 204.0 | 55.0 | 35.2 | 26.1  | 27.4  | 38.5   | 512.0  | 188.5  | 191.6 |
| 5    | 27.4   | 956.0  | 216.8  | 197.8 | 53.0 | 35.2 | 26.1  | 27.4  | 38.5   | 675.2  | 173.0  | 259.8 |
| 6    | 32.0   | 843.5  | 164.0  | 188.5 | 53.0 | 33.6 | 26.1  | 26.1  | 36.8   | 1022.6 | 161.0  | 358.0 |
| 7    | 41.7   | 679.6  | 131.4  | 173.0 | 51.0 | 33.6 | 26.1  | 27.4  | 35.2   | 749.0  | 155.0  | 287.0 |
| 8    | 45.0   | 456.0  | 114.0  | 158.0 | 51.0 | 30.3 | 26.1  | 27.4  | 33.6   | 584.1  | 256.4  | 213.6 |
| 9    | 36.8   | 325.6  | 143.0  | 146.0 | 49.0 | 30.3 | 27.4  | 26.1  | 32.0   | 410.2  | 584.1  | 185.4 |
| 10   | 55.0   | 249.6  | 167.0  | 134.3 | 49.0 | 28.7 | 27.4  | 26.1  | 32.0   | 314.8  | 1384.6 | 188.5 |
| 11   | 149.0  | 204.0  | 246.2  | 122.7 | 49.0 | 28.7 | 27.4  | 26.1  | 32.0   | 365.2  | 1100.4 | 293.8 |
| 12   | 249.6  | 182.3  | 232.8  | 114.0 | 49.0 | 28.7 | 26.1  | 26.1  | 32.0   | 383.6  | 718.6  | 300.6 |
| 13   | 290.4  | 158.0  | 197.8  | 108.8 | 47.0 | 30.3 | 26.1  | 26.1  | 35.2   | 372.4  | 605.8  | 239.4 |
| 14   | 253.0  | 146.0  | 185.4  | 95.8  | 47.0 | 33.6 | 26.1  | 33.6  | 33.6   | 307.6  | 402.6  | 185.4 |
| 15   | 256.4  | 152.0  | 173.0  | 93.2  | 59.0 | 41.7 | 24.9  | 38.5  | 32.0   | 340.0  | 329.2  | 155.0 |
| 16   | 188.5  | 158.0  | 140.1  | 116.9 | 88.0 | 47.0 | 24.9  | 61.0  | 35.2   | 368.8  | 280.2  | 143.0 |
| 17   | 134.3  | 167.0  | 116.9  | 131.4 | 74.2 | 45.0 | 24.9  | 76.5  | 49.0   | 372.4  | 239.4  | 128.5 |
| 18   | 149.0  | 140.1  | 114.0  | 108.8 | 65.0 | 41.7 | 26.1  | 57.0  | 40.1   | 670.9  | 213.6  | 116.9 |
| 19   | 170.0  | 128.5  | 101.0  | 90.6  | 59.0 | 38.5 | 40.1  | 45.0  | 36.8   | 675.2  | 204.0  | 128.5 |
| 20   | 128.5  | 143.0  | 128.5  | 85.7  | 51.0 | 36.8 | 38.5  | 43.4  | 33.6   | 532.0  | 433.0  | 182.3 |
| 21   | 116.9  | 158.0  | 210.4  | 78.8  | 49.0 | 33.6 | 36.8  | 43.4  | 32.0   | 391.2  | 421.6  | 161.0 |
| 22   | 161.0  | 131.4  | 343.6  | 76.5  | 47.0 | 32.0 | 78.8  | 88.0  | 32.0   | 452.0  | 318.4  | 140.1 |
| 23   | 307.6  | 108.8  | 762.5  | 71.9  | 47.0 | 30.3 | 173.0 | 78.8  | 38.5   | 476.0  | 246.2  | 125.6 |
| 24   | 200.9  | 103.6  | 1110.1 | 69.6  | 45.0 | 30.3 | 101.0 | 65.0  | 67.3   | 398.8  | 213.6  | 108.8 |
| 25   | 140.1  | 119.8  | 749.0  | 65.0  | 43.4 | 30.3 | 69.6  | 63.0  | 103.6  | 372.4  | 197.8  | 103.6 |
| 26   | 161.0  | 182.3  | 649.2  | 65.0  | 41.7 | 30.3 | 51.0  | 114.0 | 149.0  | 350.8  | 188.5  | 101.0 |
| 27   | 185.4  | 236.0  | 749.0  | 63.0  | 38.5 | 30.3 | 45.0  | 95.8  | 852.5  | 340.0  | 176.1  | 101.0 |
| 28   | 287.0  | 347.2  | 1037.2 | 61.0  | 38.5 | 28.7 | 40.1  | 76.5  | 1498.3 | 311.2  | 170.0  | 90.6  |
| 29   | 785.0  |        | 771.5  | 57.0  | 38.5 | 27.4 | 36.8  | 63.0  | 1694.9 | 276.8  | 188.5  | 83.4  |
| 30   | 1027.5 |        | 528.0  | 55.0  | 36.8 | 26.1 | 33.6  | 51.0  | 1308.4 | 236.0  | 182.3  | 76.5  |
| 31   | 1283.0 |        | 398.8  |       | 36.8 |      | 32.0  | 45.0  |        | 200.9  |        | 76.5  |
| Mean | 225.7  | 403.4  | 366.2  | 124.8 | 50.9 | 33.6 | 40.2  | 48.2  | 216.9  | 478.4  | 345.8  | 179.9 |

Year : 1964

| Day  | Jan. | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 85.3 | 47.0  | 61.0  | 81.1  | 456.0 | 38.5  | 61.0  | 81.1  | 176.1 | 213.6 | 164.0 | 76.5  |
| 2    | 95.5 | 83.4  | 61.0  | 65.0  | 508.0 | 36.8  | 57.0  | 88.0  | 191.6 | 182.3 | 125.6 | 98.4  |
| 3    | 86.8 | 176.1 | 81.1  | 55.0  | 361.6 | 38.5  | 57.0  | 176.1 | 216.8 | 155.0 | 108.8 | 119.8 |
| 4    | 76.5 | 122.7 | 103.6 | 53.0  | 246.2 | 41.7  | 63.0  | 204.0 | 179.2 | 137.2 | 93.2  | 155.0 |
| 5    | 73.6 | 81.1  | 78.8  | 53.0  | 191.6 | 41.7  | 67.3  | 167.0 | 155.0 | 116.9 | 93.2  | 134.3 |
| 6    | 70.8 | 65.0  | 71.9  | 51.0  | 210.4 | 38.5  | 61.0  | 137.2 | 143.0 | 111.4 | 98.4  | 98.4  |
| 7    | 67.8 | 57.0  | 69.6  | 90.6  | 253.0 | 36.8  | 78.8  | 122.7 | 125.6 | 101.0 | 90.6  | 74.2  |
| 8    | 72.2 | 101.0 | 76.5  | 85.7  | 204.0 | 36.8  | 76.5  | 111.4 | 280.2 | 152.0 | 78.8  | 63.0  |
| 9    | 57.7 | 116.9 | 63.0  | 71.9  | 158.0 | 38.5  | 78.8  | 101.0 | 343.6 | 263.2 | 67.3  | 55.0  |
| 10   | 53.7 | 103.6 | 57.0  | 61.0  | 134.3 | 47.0  | 90.6  | 93.2  | 304.0 | 207.2 | 63.0  | 53.0  |
| 11   | 49.6 | 78.8  | 55.0  | 71.9  | 119.8 | 114.0 | 81.1  | 81.1  | 358.0 | 176.1 | 57.0  | 53.0  |
| 12   | 50.9 | 65.0  | 51.0  | 61.0  | 106.2 | 108.8 | 71.9  | 76.5  | 304.0 | 155.0 | 55.0  | 55.0  |
| 13   | 53.7 | 57.0  | 49.0  | 55.0  | 98.4  | 125.6 | 69.6  | 78.8  | 246.2 | 128.5 | 53.0  | 57.0  |
| 14   | 50.9 | 63.0  | 53.0  | 55.0  | 90.6  | 158.0 | 65.0  | 83.4  | 207.2 | 114.0 | 51.0  | 67.3  |
| 15   | 48.3 | 111.4 | 74.2  | 55.0  | 85.7  | 131.4 | 63.0  | 78.8  | 179.2 | 98.4  | 55.0  | 65.0  |
| 16   | 45.5 | 191.6 | 143.0 | 57.0  | 76.5  | 111.4 | 61.0  | 76.5  | 161.0 | 88.0  | 53.0  | 55.0  |
| 17   | 45.5 | 143.0 | 108.8 | 63.0  | 67.3  | 95.8  | 57.0  | 71.9  | 143.0 | 83.4  | 51.0  | 45.0  |
| 18   | 53.7 | 161.0 | 85.7  | 65.0  | 67.3  | 83.4  | 55.0  | 65.0  | 128.5 | 78.8  | 53.0  | 43.4  |
| 19   | 48.3 | 297.2 | 67.3  | 65.0  | 65.0  | 71.9  | 53.0  | 67.3  | 116.9 | 76.5  | 55.0  | 41.7  |
| 20   | 40.5 | 276.8 | 57.0  | 78.8  | 63.0  | 63.0  | 49.0  | 81.1  | 108.8 | 74.2  | 55.0  | 40.1  |
| 21   | 44.3 | 170.0 | 55.0  | 83.4  | 63.0  | 57.0  | 47.0  | 101.0 | 101.0 | 114.0 | 55.0  | 36.8  |
| 22   | 50.9 | 131.4 | 51.0  | 83.4  | 61.0  | 55.0  | 45.0  | 95.8  | 95.8  | 170.0 | 57.0  | 55.0  |
| 23   | 60.5 | 103.6 | 49.0  | 103.6 | 61.0  | 55.0  | 45.0  | 90.6  | 106.2 | 137.2 | 59.0  | 65.0  |
| 24   | 50.9 | 90.6  | 49.0  | 155.0 | 59.0  | 57.0  | 47.0  | 88.0  | 114.0 | 106.2 | 55.0  | 63.0  |
| 25   | 50.9 | 85.7  | 53.0  | 164.0 | 51.0  | 65.0  | 155.0 | 88.0  | 108.8 | 88.0  | 49.0  | 57.0  |
| 26   | 57.7 | 78.8  | 55.0  | 128.5 | 47.0  | 108.8 | 246.2 | 108.8 | 137.2 | 108.8 | 43.4  | 55.0  |
| 27   | 48.3 | 74.2  | 53.0  | 103.6 | 45.0  | 101.0 | 191.6 | 161.0 | 170.0 | 361.6 | 41.7  | 53.0  |
| 28   | 52.2 | 67.3  | 55.0  | 204.0 | 43.4  | 83.4  | 140.1 | 314.8 | 170.0 | 249.6 | 38.5  | 45.0  |
| 29   | 49.6 | 63.0  | 76.5  | 273.4 | 41.7  | 71.9  | 111.4 | 322.0 | 253.0 | 149.0 | 45.0  | 55.0  |
| 30   | 44.3 |       | 140.1 | 204.0 | 40.1  | 65.0  | 98.4  | 256.4 | 249.6 | 200.9 | 57.0  | 81.1  |
| 31   | 40.5 |       | 119.8 |       | 38.5  |       | 83.4  | 213.6 |       | 204.0 |       | 71.9  |
| Mean | 57.3 | 112.5 | 71.7  | 93.2  | 132.7 | 72.6  | 81.5  | 125.2 | 185.8 | 148.5 | 67.4  | 67.4  |

# DAILY MEAN DISCHARGE AT APIUNA (13/25)

| Year : 1965 |       | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.   | Aug.  | Sep.  | Oct.  | Nov.  | Dec. |
|-------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|------|
| Day         |       |       |       |       |       |       |       |        |       |       |       |       |      |
| 1           | 57.0  | 35.2  | 204.0 | 36.8  | 358.0 | 67.3  | 55.0  | 85.7   | 155.0 | 731.6 | 98.4  | 114.0 |      |
| 2           | 47.0  | 33.6  | 161.0 | 35.2  | 358.0 | 65.0  | 78.8  | 85.7   | 140.1 | 696.9 | 88.0  | 191.6 |      |
| 3           | 45.0  | 33.6  | 125.6 | 33.6  | 304.0 | 63.0  | 220.0 | 81.1   | 131.4 | 456.0 | 85.7  | 239.4 |      |
| 4           | 53.0  | 41.7  | 134.3 | 33.6  | 216.8 | 143.0 | 476.0 | 78.8   | 140.1 | 343.6 | 78.8  | 347.2 |      |
| 5           | 61.0  | 63.0  | 161.0 | 40.1  | 170.0 | 207.2 | 496.0 | 74.2   | 259.8 | 273.4 | 78.8  | 253.0 |      |
| 6           | 51.0  | 71.9  | 131.4 | 61.0  | 137.2 | 158.0 | 476.0 | 71.9   | 794.0 | 236.0 | 170.0 | 200.9 |      |
| 7           | 41.7  | 55.0  | 98.4  | 161.0 | 122.7 | 116.9 | 343.6 | 74.2   | 657.9 | 213.6 | 191.6 | 185.4 |      |
| 8           | 38.5  | 41.7  | 90.6  | 122.7 | 106.2 | 101.0 | 280.2 | 76.5   | 558.0 | 204.0 | 173.0 | 329.2 |      |
| 9           | 43.4  | 33.6  | 122.7 | 90.6  | 108.8 | 90.6  | 239.4 | 74.2   | 484.0 | 188.5 | 176.1 | 440.6 |      |
| 10          | 45.0  | 28.7  | 108.8 | 76.5  | 108.8 | 93.2  | 414.0 | 71.9   | 402.6 | 220.0 | 149.0 | 318.4 |      |
| 11          | 40.1  | 26.1  | 125.6 | 69.6  | 216.8 | 90.6  | 492.0 | 69.6   | 361.6 | 361.6 | 125.6 | 236.0 |      |
| 12          | 35.2  | 23.6  | 95.8  | 85.7  | 322.0 | 88.0  | 358.0 | 67.3   | 322.0 | 322.0 | 122.7 | 204.0 |      |
| 13          | 38.5  | 23.6  | 85.7  | 101.0 | 283.6 | 78.8  | 266.6 | 65.0   | 266.6 | 253.0 | 246.2 | 276.8 |      |
| 14          | 45.0  | 23.6  | 67.3  | 90.6  | 512.0 | 74.2  | 226.4 | 63.0   | 226.4 | 207.2 | 448.2 | 433.0 |      |
| 15          | 36.8  | 23.6  | 55.0  | 81.1  | 875.0 | 76.5  | 239.4 | 65.0   | 220.0 | 185.4 | 723.0 | 696.9 |      |
| 16          | 36.8  | 23.6  | 49.0  | 71.9  | 657.9 | 95.8  | 200.9 | 67.3   | 213.6 | 167.0 | 592.8 | 480.0 |      |
| 17          | 63.0  | 22.3  | 45.0  | 61.0  | 433.0 | 101.0 | 173.0 | 67.3   | 191.6 | 152.0 | 361.6 | 365.2 |      |
| 18          | 85.7  | 27.4  | 41.7  | 55.0  | 304.0 | 90.6  | 161.0 | 456.0  | 173.0 | 140.1 | 263.2 | 297.2 |      |
| 19          | 158.0 | 41.7  | 49.0  | 55.0  | 239.4 | 85.7  | 143.0 | 731.6  | 293.8 | 128.5 | 210.4 | 256.4 |      |
| 20          | 122.7 | 33.6  | 45.0  | 51.0  | 207.2 | 81.1  | 140.1 | 1328.8 | 508.0 | 128.5 | 173.0 | 304.0 |      |
| 21          | 90.6  | 27.4  | 41.7  | 45.0  | 188.5 | 76.5  | 170.0 | 1379.6 | 433.0 | 137.2 | 149.0 | 520.0 |      |
| 22          | 65.0  | 23.6  | 36.8  | 45.0  | 170.0 | 71.9  | 143.0 | 1183.0 | 304.0 | 128.5 | 131.4 | 947.0 |      |
| 23          | 51.0  | 22.3  | 38.5  | 45.0  | 149.0 | 69.6  | 128.5 | 701.3  | 253.0 | 143.0 | 119.8 | 861.5 |      |
| 24          | 41.7  | 36.8  | 71.9  | 43.4  | 122.7 | 65.0  | 116.9 | 476.0  | 220.0 | 158.0 | 111.4 | 588.4 |      |
| 25          | 35.2  | 40.1  | 111.4 | 40.1  | 106.2 | 65.0  | 103.6 | 358.0  | 194.7 | 167.0 | 101.0 | 429.2 |      |
| 26          | 33.6  | 36.8  | 85.7  | 101.0 | 98.4  | 63.0  | 101.0 | 283.6  | 204.0 | 170.0 | 128.5 | 340.0 |      |
| 27          | 61.0  | 45.0  | 61.0  | 188.5 | 90.6  | 59.0  | 98.4  | 232.8  | 213.6 | 143.0 | 207.2 | 440.6 |      |
| 28          | 71.9  | 143.0 | 51.0  | 149.0 | 83.4  | 57.0  | 88.0  | 204.0  | 204.0 | 125.6 | 182.3 | 368.8 |      |
| 29          | 55.0  |       | 43.4  | 137.2 | 76.5  | 57.0  | 85.7  | 185.4  | 182.3 | 122.7 | 143.0 | 314.8 |      |
| 30          | 47.0  |       | 38.5  | 216.8 | 74.2  | 55.0  | 78.8  | 185.4  | 204.0 | 116.9 | 128.5 | 270.0 |      |
| 31          | 41.7  |       | 38.5  |       | 71.9  |       | 85.7  | 170.0  |       | 108.8 |       | 232.8 |      |
| Mean        | 56.1  | 38.6  | 84.4  | 80.8  | 234.6 | 86.9  | 215.5 | 294.0  | 297.1 | 230.0 | 198.6 | 370.4 |      |

| Year : 1966 |       | Jan.   | Feb.  | Mar.  | Apr.  | May    | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec. |
|-------------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|------|
| Day         |       |        |       |       |       |        |       |       |       |       |       |       |      |
| 1           | 204.0 | 280.2  | 520.0 | 173.0 | 101.0 | 71.9   | 433.0 | 78.8  | 220.0 | 101.0 | 452.0 | 85.7  |      |
| 2           | 204.0 | 246.2  | 472.0 | 164.0 | 95.8  | 69.6   | 340.0 | 74.2  | 516.0 | 98.4  | 444.4 | 90.6  |      |
| 3           | 204.0 | 210.4  | 436.8 | 158.0 | 88.0  | 67.3   | 273.4 | 69.6  | 839.0 | 103.6 | 391.2 | 158.0 |      |
| 4           | 223.2 | 170.0  | 414.0 | 155.0 | 85.7  | 65.0   | 236.0 | 81.1  | 998.3 | 179.2 | 318.4 | 188.5 |      |
| 5           | 398.8 | 155.0  | 597.1 | 179.2 | 98.4  | 63.0   | 207.2 | 95.8  | 816.5 | 173.0 | 270.0 | 204.0 |      |
| 6           | 325.6 | 185.4  | 532.0 | 161.0 | 108.8 | 63.0   | 185.4 | 88.0  | 670.9 | 161.0 | 236.0 | 188.5 |      |
| 7           | 253.0 | 194.7  | 395.0 | 179.2 | 170.0 | 59.0   | 167.0 | 78.8  | 553.7 | 207.2 | 207.2 | 161.0 |      |
| 8           | 232.8 | 210.4  | 325.6 | 318.4 | 176.1 | 59.0   | 140.1 | 76.5  | 504.0 | 571.1 | 194.7 | 167.0 |      |
| 9           | 280.2 | 653.5  | 259.8 | 270.0 | 152.0 | 57.0   | 131.4 | 71.9  | 448.2 | 540.7 | 182.3 | 158.0 |      |
| 10          | 425.4 | 1435.4 | 236.0 | 229.6 | 128.5 | 55.0   | 114.0 | 74.2  | 387.4 | 421.6 | 188.5 | 134.3 |      |
| 11          | 246.2 | 1399.9 | 220.0 | 200.9 | 137.2 | 55.0   | 106.2 | 74.2  | 307.6 | 350.8 | 173.0 | 140.1 |      |
| 12          | 204.0 | 1651.2 | 204.0 | 173.0 | 143.0 | 55.0   | 101.0 | 69.6  | 236.0 | 280.2 | 176.1 | 164.0 |      |
| 13          | 188.5 | 1580.2 | 188.5 | 149.0 | 140.1 | 57.0   | 95.8  | 67.3  | 213.6 | 239.4 | 182.3 | 406.4 |      |
| 14          | 161.0 | 1149.0 | 173.0 | 131.4 | 128.5 | 125.6  | 93.2  | 67.3  | 204.0 | 207.2 | 185.4 | 332.8 |      |
| 15          | 146.0 | 1222.1 | 161.0 | 125.6 | 114.0 | 185.4  | 101.0 | 65.0  | 220.0 | 197.8 | 179.2 | 246.2 |      |
| 16          | 182.3 | 1651.2 | 152.0 | 114.0 | 103.6 | 167.0  | 108.8 | 65.0  | 460.0 | 216.8 | 164.0 | 249.6 |      |
| 17          | 161.0 | 1754.9 | 140.1 | 106.2 | 101.0 | 283.6  | 103.6 | 61.0  | 433.0 | 239.4 | 152.0 | 220.0 |      |
| 18          | 176.1 | 1399.9 | 131.4 | 103.6 | 93.2  | 1222.1 | 98.4  | 59.0  | 307.6 | 270.0 | 134.3 | 220.0 |      |
| 19          | 253.0 | 1197.6 | 128.5 | 101.0 | 88.0  | 753.5  | 90.6  | 57.0  | 253.0 | 322.0 | 116.9 | 229.6 |      |
| 20          | 204.0 | 1032.3 | 128.5 | 140.1 | 85.7  | 488.0  | 88.0  | 57.0  | 216.8 | 256.4 | 111.4 | 662.2 |      |
| 21          | 220.0 | 848.0  | 122.7 | 128.5 | 85.7  | 340.0  | 85.7  | 61.0  | 200.9 | 213.6 | 103.6 | 571.1 |      |
| 22          | 216.8 | 780.5  | 119.8 | 114.0 | 103.6 | 259.8  | 85.7  | 61.0  | 176.1 | 194.7 | 111.4 | 379.8 |      |
| 23          | 210.4 | 701.3  | 226.4 | 101.0 | 131.4 | 239.4  | 111.4 | 85.7  | 152.0 | 283.6 | 140.1 | 276.8 |      |
| 24          | 273.4 | 588.4  | 213.6 | 95.8  | 134.3 | 246.2  | 140.1 | 472.0 | 143.0 | 297.2 | 134.3 | 223.2 |      |
| 25          | 283.6 | 618.8  | 280.2 | 176.1 | 111.4 | 253.0  | 116.9 | 387.4 | 131.4 | 259.8 | 111.4 | 188.5 |      |
| 26          | 406.4 | 508.0  | 696.9 | 204.0 | 95.8  | 216.8  | 101.0 | 246.2 | 128.5 | 229.6 | 101.0 | 164.0 |      |
| 27          | 425.4 | 448.2  | 512.0 | 158.0 | 88.0  | 188.5  | 90.6  | 191.6 | 122.7 | 287.0 | 93.2  | 152.0 |      |
| 28          | 340.0 | 410.2  | 343.6 | 128.5 | 85.7  | 220.0  | 88.0  | 155.0 | 114.0 | 675.2 | 90.6  | 152.0 |      |
| 29          | 287.0 |        | 249.6 | 114.0 | 85.7  | 368.8  | 85.7  | 143.0 | 111.4 | 476.0 | 85.7  | 146.0 |      |
| 30          | 273.4 |        | 204.0 | 106.2 | 78.8  | 558.0  | 88.0  | 170.0 | 108.8 | 460.0 | 78.8  | 161.0 |      |
| 31          | 340.0 |        | 179.2 |       | 76.5  |        | 85.7  | 179.2 |       | 410.2 |       | 176.1 |      |
| Mean        | 256.4 | 810.1  | 289.1 | 155.3 | 110.2 | 230.4  | 138.5 | 115.6 | 339.8 | 287.9 | 183.6 | 225.7 |      |

# DAILY MEAN DISCHARGE AT APIUNA (14/25)

Year : 1967

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 253.0 | 131.4 | 558.0 | 223.2 | 95.8  | 55.0  | 74.2  | 67.3  | 90.6  | 200.9 | 140.1 | 476.0 |
| 2    | 220.0 | 164.0 | 468.0 | 207.2 | 88.0  | 57.0  | 76.5  | 67.3  | 88.0  | 176.1 | 128.5 | 343.6 |
| 3    | 207.2 | 220.0 | 417.8 | 185.4 | 74.2  | 61.0  | 74.2  | 65.0  | 161.0 | 167.0 | 128.5 | 553.7 |
| 4    | 266.6 | 311.2 | 350.8 | 164.0 | 69.6  | 108.8 | 67.3  | 63.0  | 140.1 | 229.6 | 140.1 | 696.9 |
| 5    | 287.0 | 304.0 | 354.4 | 152.0 | 67.3  | 170.0 | 65.0  | 59.0  | 146.0 | 249.6 | 119.8 | 516.0 |
| 6    | 226.4 | 256.4 | 429.2 | 128.5 | 65.0  | 300.6 | 63.0  | 57.0  | 176.1 | 204.0 | 103.6 | 387.4 |
| 7    | 185.4 | 204.0 | 358.0 | 122.7 | 65.0  | 318.4 | 63.0  | 55.0  | 246.2 | 170.0 | 98.4  | 249.6 |
| 8    | 167.0 | 170.0 | 304.0 | 114.0 | 65.0  | 194.7 | 61.0  | 53.0  | 236.0 | 149.0 | 81.1  | 280.2 |
| 9    | 204.0 | 185.4 | 270.0 | 108.8 | 65.0  | 152.0 | 71.9  | 53.0  | 210.4 | 131.4 | 74.2  | 280.2 |
| 10   | 226.4 | 226.4 | 232.8 | 101.0 | 63.0  | 125.6 | 90.6  | 51.0  | 188.5 | 128.5 | 67.3  | 276.8 |
| 11   | 185.4 | 239.4 | 207.2 | 95.8  | 63.0  | 90.6  | 88.0  | 53.0  | 182.3 | 119.8 | 78.8  | 216.8 |
| 12   | 158.0 | 290.4 | 188.5 | 88.0  | 61.0  | 106.2 | 78.8  | 53.0  | 176.1 | 114.0 | 93.2  | 173.0 |
| 13   | 140.1 | 304.0 | 173.0 | 81.1  | 55.0  | 131.4 | 83.4  | 53.0  | 336.4 | 122.7 | 122.7 | 146.0 |
| 14   | 128.5 | 283.6 | 170.0 | 76.5  | 55.0  | 149.0 | 125.6 | 55.0  | 398.8 | 108.8 | 131.4 | 134.3 |
| 15   | 128.5 | 270.0 | 173.0 | 74.2  | 53.0  | 170.0 | 182.3 | 55.0  | 318.4 | 101.0 | 114.0 | 122.7 |
| 16   | 134.3 | 220.0 | 158.0 | 71.9  | 51.0  | 155.0 | 170.0 | 55.0  | 246.2 | 95.8  | 232.8 | 114.0 |
| 17   | 131.4 | 239.4 | 140.1 | 71.9  | 49.0  | 146.0 | 210.4 | 53.0  | 204.0 | 90.6  | 226.4 | 111.4 |
| 18   | 114.0 | 354.4 | 128.5 | 74.2  | 49.0  | 131.4 | 213.6 | 53.0  | 223.2 | 90.6  | 216.8 | 108.8 |
| 19   | 106.2 | 433.0 | 125.6 | 71.9  | 47.0  | 116.9 | 191.6 | 51.0  | 297.2 | 128.5 | 239.4 | 122.7 |
| 20   | 101.0 | 376.0 | 116.9 | 67.3  | 47.0  | 106.2 | 170.0 | 51.0  | 358.0 | 204.0 | 188.5 | 152.0 |
| 21   | 95.8  | 322.0 | 114.0 | 65.0  | 53.0  | 98.4  | 146.0 | 51.0  | 662.2 | 318.4 | 167.0 | 210.4 |
| 22   | 98.4  | 290.4 | 108.8 | 63.0  | 55.0  | 93.2  | 131.4 | 63.0  | 618.8 | 410.2 | 134.3 | 170.0 |
| 23   | 103.6 | 398.8 | 103.6 | 61.0  | 88.0  | 88.0  | 114.0 | 101.0 | 605.8 | 417.8 | 116.9 | 143.0 |
| 24   | 106.2 | 504.0 | 114.0 | 61.0  | 122.7 | 78.8  | 101.0 | 223.2 | 627.5 | 322.0 | 111.4 | 131.4 |
| 25   | 140.1 | 579.7 | 122.7 | 59.0  | 101.0 | 76.5  | 90.6  | 649.2 | 558.0 | 253.0 | 111.4 | 111.4 |
| 26   | 188.5 | 666.5 | 128.5 | 57.0  | 81.1  | 71.9  | 88.0  | 290.4 | 433.0 | 213.6 | 131.4 | 98.4  |
| 27   | 204.0 | 670.9 | 140.1 | 108.8 | 61.0  | 69.6  | 83.4  | 204.0 | 354.4 | 188.5 | 246.2 | 88.0  |
| 28   | 185.4 | 614.5 | 263.2 | 161.0 | 57.0  | 61.0  | 78.8  | 161.0 | 300.6 | 170.0 | 304.0 | 81.1  |
| 29   | 155.0 |       | 512.0 | 140.1 | 55.0  | 55.0  | 76.5  | 143.0 | 259.8 | 170.0 | 566.7 | 76.5  |
| 30   | 143.0 |       | 372.4 | 106.2 | 55.0  | 57.0  | 74.2  | 122.7 | 223.2 | 176.1 | 588.4 | 76.5  |
| 31   | 143.0 |       | 280.2 |       | 55.0  |       | 71.9  | 108.8 |       | 155.0 |       | 74.2  |
| Mean | 165.6 | 329.6 | 244.6 | 105.4 | 65.5  | 119.8 | 105.7 | 104.5 | 302.2 | 186.3 | 173.4 | 216.9 |

Year : 1968

| Day  | Jan.  | Feb.  | Mar. | Apr.  | May  | Jun. | Jul.  | Aug. | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|-------|------|-------|------|------|-------|------|-------|-------|-------|-------|
| 1    | 85.7  | 103.6 | 15.9 | 49.0  | 38.5 | 21.0 | 21.0  | 24.9 | 38.5  | 57.0  | 322.0 | 61.0  |
| 2    | 88.0  | 81.1  | 15.9 | 49.0  | 33.6 | 19.7 | 21.0  | 23.6 | 32.0  | 51.0  | 270.0 | 55.0  |
| 3    | 71.9  | 67.3  | 15.9 | 76.5  | 30.3 | 19.7 | 19.7  | 23.6 | 27.4  | 45.0  | 229.6 | 55.0  |
| 4    | 69.6  | 65.0  | 14.7 | 106.2 | 28.7 | 19.7 | 19.7  | 23.6 | 26.1  | 41.7  | 197.8 | 47.0  |
| 5    | 63.0  | 59.0  | 14.7 | 111.4 | 28.7 | 23.6 | 21.0  | 22.3 | 23.6  | 38.5  | 188.5 | 41.7  |
| 6    | 57.0  | 59.0  | 14.7 | 65.0  | 28.7 | 27.4 | 22.3  | 22.3 | 21.0  | 36.8  | 176.1 | 38.5  |
| 7    | 55.0  | 55.0  | 14.7 | 55.0  | 27.4 | 41.7 | 28.7  | 22.3 | 17.2  | 35.2  | 179.2 | 36.8  |
| 8    | 49.0  | 53.0  | 36.9 | 51.0  | 27.4 | 69.6 | 41.7  | 27.4 | 15.9  | 35.2  | 280.2 | 35.2  |
| 9    | 47.0  | 51.0  | 34.4 | 45.0  | 27.4 | 95.8 | 71.9  | 38.5 | 15.0  | 33.6  | 300.6 | 28.7  |
| 10   | 45.0  | 47.0  | 31.9 | 45.0  | 26.1 | 65.0 | 161.0 | 45.0 | 14.1  | 33.6  | 220.0 | 28.7  |
| 11   | 41.7  | 47.0  | 28.1 | 41.7  | 26.1 | 45.0 | 119.8 | 38.5 | 18.5  | 38.5  | 200.9 | 27.4  |
| 12   | 43.4  | 45.0  | 33.1 | 38.5  | 24.9 | 41.7 | 90.6  | 35.2 | 27.4  | 45.0  | 179.2 | 26.1  |
| 13   | 49.0  | 55.0  | 72.2 | 36.8  | 24.9 | 38.5 | 74.2  | 30.3 | 49.0  | 95.8  | 155.0 | 26.1  |
| 14   | 53.0  | 63.0  | 59.0 | 35.2  | 24.9 | 35.2 | 59.0  | 28.7 | 71.9  | 83.4  | 131.4 | 24.9  |
| 15   | 51.0  | 51.0  | 35.5 | 30.3  | 28.7 | 32.0 | 51.0  | 26.1 | 108.8 | 74.2  | 114.0 | 24.9  |
| 16   | 55.0  | 45.0  | 45.5 | 30.3  | 30.3 | 28.7 | 45.0  | 24.9 | 161.0 | 63.0  | 95.8  | 23.6  |
| 17   | 61.0  | 43.4  | 57.7 | 28.7  | 33.6 | 26.1 | 43.4  | 23.6 | 103.6 | 65.0  | 76.5  | 22.3  |
| 18   | 76.5  | 40.1  | 55.0 | 28.7  | 30.3 | 24.9 | 41.7  | 23.6 | 85.7  | 74.2  | 67.3  | 21.0  |
| 19   | 71.9  | 36.8  | 39.3 | 28.7  | 28.7 | 24.9 | 38.5  | 22.3 | 69.6  | 90.6  | 63.0  | 21.0  |
| 20   | 67.3  | 36.8  | 29.4 | 61.0  | 27.4 | 24.9 | 36.8  | 22.3 | 81.1  | 119.8 | 57.0  | 23.6  |
| 21   | 88.0  | 36.8  | 29.4 | 95.8  | 26.1 | 26.1 | 36.8  | 21.0 | 266.6 | 98.4  | 53.0  | 28.7  |
| 22   | 98.4  | 35.2  | 34.4 | 81.1  | 24.9 | 26.1 | 36.8  | 19.7 | 398.8 | 81.1  | 51.0  | 57.0  |
| 23   | 95.8  | 35.2  | 45.5 | 63.0  | 23.6 | 24.9 | 35.2  | 19.7 | 318.4 | 69.6  | 45.0  | 140.1 |
| 24   | 108.8 | 33.6  | 49.6 | 53.0  | 23.6 | 23.6 | 35.2  | 19.7 | 246.2 | 63.0  | 45.0  | 421.6 |
| 25   | 90.6  | 40.1  | 73.6 | 45.0  | 23.6 | 23.6 | 35.2  | 17.2 | 155.0 | 59.0  | 41.7  | 618.8 |
| 26   | 83.4  | 36.8  | 56.4 | 40.1  | 22.3 | 22.3 | 33.6  | 17.2 | 106.2 | 61.0  | 38.5  | 504.0 |
| 27   | 83.4  | 33.6  | 45.5 | 38.5  | 22.3 | 22.3 | 30.3  | 15.9 | 85.7  | 119.8 | 36.8  | 391.2 |
| 28   | 76.5  | 32.0  | 40.5 | 36.8  | 22.3 | 22.3 | 30.3  | 15.9 | 71.9  | 140.1 | 35.2  | 287.0 |
| 29   | 63.0  | 32.0  | 33.1 | 38.5  | 21.0 | 21.0 | 27.4  | 18.5 | 65.0  | 210.4 | 38.5  | 223.2 |
| 30   | 63.0  |       | 33.1 | 43.4  | 21.0 | 21.0 | 26.1  | 23.6 | 59.0  | 283.6 | 53.0  | 155.0 |
| 31   | 125.6 |       | 31.9 |       | 21.0 |      | 24.9  | 28.7 |       | 340.0 |       | 119.8 |
| Mean | 70.2  | 48.9  | 36.7 | 51.6  | 26.7 | 31.9 | 44.5  | 24.7 | 92.7  | 86.6  | 131.4 | 116.6 |

# DAILY MEAN DISCHARGE AT APIUNA (15/25)

Year : 1969

| Day  | Jan.  | Feb.   | Mar.  | Apr.   | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 103.6 | 116.9  | 300.6 | 372.4  | 108.8 | 134.3 | 197.8 | 83.4  | 167.0 | 128.5 | 93.2  | 152.0 |
| 2    | 114.0 | 114.0  | 395.0 | 749.0  | 106.2 | 128.5 | 182.3 | 81.1  | 140.1 | 116.9 | 85.7  | 119.8 |
| 3    | 311.2 | 116.9  | 383.6 | 701.3  | 114.0 | 111.4 | 176.1 | 76.5  | 128.5 | 103.6 | 76.5  | 98.4  |
| 4    | 280.2 | 119.8  | 307.6 | 631.8  | 131.4 | 95.8  | 158.0 | 74.2  | 137.2 | 95.8  | 69.6  | 85.7  |
| 5    | 480.0 | 103.6  | 249.6 | 1607.5 | 116.9 | 83.4  | 146.0 | 69.6  | 176.1 | 88.0  | 69.6  | 76.5  |
| 6    | 406.4 | 90.6   | 207.2 | 1173.3 | 101.0 | 76.5  | 137.2 | 76.5  | 155.0 | 93.2  | 63.0  | 71.9  |
| 7    | 361.6 | 103.6  | 173.0 | 911.0  | 95.8  | 74.2  | 131.4 | 81.1  | 134.3 | 188.5 | 95.8  | 67.3  |
| 8    | 329.2 | 155.0  | 143.0 | 701.3  | 90.6  | 69.6  | 236.0 | 78.8  | 128.5 | 173.0 | 140.1 | 61.0  |
| 9    | 307.6 | 226.4  | 119.8 | 480.0  | 83.4  | 67.3  | 758.0 | 74.2  | 114.0 | 137.2 | 210.4 | 59.0  |
| 10   | 528.0 | 263.2  | 106.2 | 354.4  | 78.8  | 69.6  | 683.9 | 74.2  | 103.6 | 119.8 | 176.1 | 55.0  |
| 11   | 692.6 | 239.4  | 101.0 | 287.0  | 74.2  | 69.6  | 480.0 | 69.6  | 95.8  | 106.2 | 119.8 | 53.0  |
| 12   | 575.4 | 194.7  | 95.8  | 239.4  | 69.6  | 65.0  | 361.6 | 67.3  | 95.8  | 98.4  | 98.4  | 59.0  |
| 13   | 361.6 | 173.0  | 88.0  | 216.8  | 71.9  | 88.0  | 280.2 | 65.0  | 93.2  | 81.1  | 93.2  | 111.4 |
| 14   | 280.2 | 152.0  | 88.0  | 179.2  | 69.6  | 95.8  | 236.0 | 65.0  | 83.4  | 74.2  | 119.8 | 119.8 |
| 15   | 253.0 | 140.1  | 83.4  | 161.0  | 67.3  | 116.9 | 204.0 | 69.6  | 81.1  | 71.9  | 167.0 | 88.0  |
| 16   | 239.4 | 200.9  | 81.1  | 146.0  | 67.3  | 263.2 | 182.3 | 76.5  | 74.2  | 90.6  | 232.8 | 74.2  |
| 17   | 200.9 | 318.4  | 74.2  | 134.3  | 63.0  | 536.3 | 164.0 | 71.9  | 69.6  | 125.6 | 210.4 | 67.3  |
| 18   | 161.0 | 484.0  | 69.6  | 119.8  | 61.0  | 929.0 | 152.0 | 63.0  | 69.6  | 93.2  | 164.0 | 59.0  |
| 19   | 131.4 | 924.5  | 76.5  | 114.0  | 59.0  | 649.2 | 137.2 | 59.0  | 170.0 | 76.5  | 146.0 | 55.0  |
| 20   | 108.8 | 1134.4 | 220.0 | 106.2  | 57.0  | 440.6 | 128.5 | 57.0  | 191.6 | 69.6  | 134.3 | 57.0  |
| 21   | 93.2  | 906.5  | 232.8 | 103.6  | 53.0  | 410.2 | 125.6 | 55.0  | 229.6 | 67.3  | 137.2 | 63.0  |
| 22   | 81.1  | 696.9  | 270.0 | 131.4  | 59.0  | 562.4 | 125.6 | 55.0  | 182.3 | 71.9  | 143.0 | 55.0  |
| 23   | 74.2  | 532.0  | 232.8 | 365.2  | 65.0  | 718.6 | 131.4 | 53.0  | 146.0 | 85.7  | 179.2 | 63.0  |
| 24   | 78.8  | 343.6  | 182.3 | 259.8  | 88.0  | 679.6 | 122.7 | 53.0  | 128.5 | 88.0  | 155.0 | 74.2  |
| 25   | 103.6 | 242.8  | 146.0 | 207.2  | 134.3 | 640.5 | 119.8 | 93.2  | 111.4 | 76.5  | 128.5 | 74.2  |
| 26   | 106.2 | 191.6  | 155.0 | 170.0  | 179.2 | 520.0 | 114.0 | 158.0 | 103.6 | 65.0  | 111.4 | 61.0  |
| 27   | 103.6 | 185.4  | 179.2 | 119.8  | 300.6 | 410.2 | 108.8 | 204.0 | 98.4  | 55.0  | 95.8  | 47.0  |
| 28   | 90.6  | 213.6  | 167.0 | 95.8   | 179.2 | 325.6 | 103.6 | 276.8 | 95.8  | 51.0  | 88.0  | 40.1  |
| 29   | 108.8 |        | 182.3 | 106.2  | 140.1 | 259.8 | 95.8  | 354.4 | 108.8 | 61.0  | 216.8 | 36.8  |
| 30   | 134.3 |        | 318.4 | 116.9  | 128.5 | 223.2 | 90.6  | 276.8 | 131.4 | 65.0  | 280.2 | 43.4  |
| 31   | 125.6 |        | 304.0 |        | 140.1 |       | 88.0  | 210.4 |       | 95.8  |       | 61.0  |
| Mean | 236.3 | 310.1  | 184.9 | 368.7  | 101.7 | 297.1 | 205.1 | 104.0 | 124.8 | 94.0  | 136.7 | 71.3  |

Year : 1970

| Day  | Jan.  | Feb.  | Mar.  | Apr.  | May   | Jun.  | Jul.  | Aug.  | Sep.  | Oct.  | Nov.  | Dec.  |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1    | 256.4 | 55.0  | 57.0  | 83.4  | 36.8  | 51.0  | 701.3 | 170.0 | 276.8 | 158.0 | 98.4  | 45.0  |
| 2    | 216.8 | 90.6  | 55.0  | 101.0 | 35.2  | 49.0  | 951.5 | 143.0 | 226.4 | 158.0 | 114.0 | 49.0  |
| 3    | 188.5 | 226.4 | 53.0  | 78.8  | 36.8  | 47.0  | 776.0 | 122.7 | 188.5 | 170.0 | 128.5 | 43.4  |
| 4    | 161.0 | 197.8 | 47.0  | 114.0 | 38.5  | 45.0  | 500.0 | 114.0 | 167.0 | 152.0 | 95.8  | 41.7  |
| 5    | 200.9 | 179.2 | 43.4  | 167.0 | 47.0  | 59.0  | 350.8 | 108.8 | 149.0 | 125.6 | 76.5  | 38.5  |
| 6    | 273.4 | 170.0 | 41.7  | 170.0 | 95.8  | 78.8  | 280.2 | 108.8 | 204.0 | 108.8 | 71.9  | 35.2  |
| 7    | 347.2 | 155.0 | 38.5  | 146.0 | 122.7 | 361.6 | 249.6 | 103.6 | 406.4 | 98.4  | 71.9  | 32.0  |
| 8    | 256.4 | 131.4 | 36.8  | 122.7 | 140.1 | 480.0 | 220.0 | 90.6  | 433.0 | 98.4  | 74.2  | 32.0  |
| 9    | 226.4 | 103.6 | 38.5  | 103.6 | 114.0 | 314.8 | 191.6 | 85.7  | 325.6 | 116.9 | 81.1  | 33.6  |
| 10   | 200.9 | 85.7  | 59.0  | 85.7  | 88.0  | 210.4 | 170.0 | 78.8  | 263.2 | 140.1 | 76.5  | 108.8 |
| 11   | 155.0 | 69.6  | 69.6  | 81.1  | 71.9  | 164.0 | 155.0 | 74.2  | 220.0 | 122.7 | 61.0  | 207.2 |
| 12   | 116.9 | 57.0  | 101.0 | 78.8  | 59.0  | 143.0 | 149.0 | 69.6  | 176.1 | 103.6 | 59.0  | 179.2 |
| 13   | 101.0 | 49.0  | 155.0 | 74.2  | 55.0  | 280.2 | 137.2 | 65.0  | 161.0 | 98.4  | 57.0  | 134.3 |
| 14   | 85.7  | 53.0  | 204.0 | 65.0  | 53.0  | 496.0 | 125.6 | 61.0  | 146.0 | 85.7  | 57.0  | 108.8 |
| 15   | 93.2  | 61.0  | 200.9 | 61.0  | 51.0  | 558.0 | 122.7 | 59.0  | 131.4 | 81.1  | 53.0  | 131.4 |
| 16   | 155.0 | 83.4  | 155.0 | 57.0  | 49.0  | 464.0 | 116.9 | 57.0  | 122.7 | 81.1  | 51.0  | 125.6 |
| 17   | 128.5 | 76.5  | 128.5 | 55.0  | 47.0  | 358.0 | 111.4 | 53.0  | 108.8 | 98.4  | 49.0  | 114.0 |
| 18   | 98.4  | 69.6  | 122.7 | 53.0  | 51.0  | 256.4 | 108.8 | 51.0  | 106.2 | 191.6 | 47.0  | 106.2 |
| 19   | 88.0  | 74.2  | 140.1 | 51.0  | 74.2  | 200.9 | 98.4  | 51.0  | 103.6 | 273.4 | 45.0  | 95.8  |
| 20   | 81.1  | 95.8  | 232.8 | 51.0  | 232.8 | 164.0 | 93.2  | 49.0  | 98.4  | 253.0 | 43.4  | 78.8  |
| 21   | 69.6  | 108.8 | 223.2 | 47.0  | 220.0 | 146.0 | 93.2  | 51.0  | 95.8  | 273.4 | 40.1  | 67.3  |
| 22   | 67.3  | 134.3 | 213.6 | 45.0  | 164.0 | 140.1 | 83.4  | 101.0 | 95.8  | 266.6 | 38.5  | 76.5  |
| 23   | 59.0  | 182.3 | 188.5 | 43.4  | 111.4 | 287.0 | 83.4  | 287.0 | 93.2  | 236.0 | 36.8  | 249.6 |
| 24   | 55.0  | 125.6 | 152.0 | 41.7  | 90.6  | 242.8 | 78.8  | 236.0 | 93.2  | 200.9 | 35.2  | 500.0 |
| 25   | 49.0  | 85.7  | 128.5 | 40.1  | 83.4  | 210.4 | 78.8  | 182.3 | 95.8  | 176.1 | 33.6  | 395.0 |
| 26   | 47.0  | 67.3  | 103.6 | 38.5  | 81.1  | 176.1 | 78.8  | 170.0 | 93.2  | 158.0 | 33.6  | 504.0 |
| 27   | 47.0  | 61.0  | 88.0  | 38.5  | 76.5  | 164.0 | 78.8  | 314.8 | 114.0 | 164.0 | 35.2  | 640.5 |
| 28   | 59.0  | 59.0  | 76.5  | 40.1  | 71.9  | 164.0 | 85.7  | 402.6 | 101.0 | 149.0 | 36.8  | 488.0 |
| 29   | 51.0  |       | 69.6  | 40.1  | 67.3  | 311.2 | 149.0 | 372.4 | 125.6 | 131.4 | 43.4  | 343.6 |
| 30   | 51.0  |       | 63.0  | 38.5  | 59.0  | 553.7 | 191.6 | 332.8 | 155.0 | 122.7 | 41.7  | 297.2 |
| 31   | 47.0  |       | 71.9  |       | 55.0  |       | 197.8 | 259.8 |       | 108.8 |       | 398.8 |
| Mean | 130.1 | 103.8 | 108.3 | 73.7  | 83.2  | 239.2 | 219.6 | 142.8 | 169.2 | 151.7 | 59.5  | 183.9 |

# DAILY MEAN DISCHARGE AT APIUNA (16/25)

| Year | : 1971 |       |       |        |        |        |        |       |       |       |      |      |
|------|--------|-------|-------|--------|--------|--------|--------|-------|-------|-------|------|------|
| Day  | Jan.   | Feb.  | Mar.  | Apr.   | May    | Jun.   | Jul.   | Aug.  | Sep.  | Oct.  | Nov. | Dec. |
| 1    | 558.0  | 210.4 | 188.5 | 246.2  | 276.8  | 108.8  | 167.0  | 113.1 | 111.4 | 210.4 | 67.3 | 45.0 |
| 2    | 816.5  | 213.6 | 173.0 | 197.8  | 220.0  | 106.2  | 179.2  | 99.8  | 106.2 | 155.0 | 71.9 | 53.0 |
| 3    | 780.5  | 161.0 | 155.0 | 173.0  | 191.6  | 106.2  | 220.0  | 96.9  | 93.2  | 119.8 | 71.9 | 76.5 |
| 4    | 688.2  | 137.2 | 210.4 | 158.0  | 182.3  | 111.4  | 938.0  | 95.5  | 85.7  | 128.5 | 69.6 | 93.2 |
| 5    | 683.9  | 143.0 | 379.8 | 143.0  | 259.8  | 179.2  | 1487.4 | 91.1  | 81.1  | 116.9 | 61.0 | 74.2 |
| 6    | 839.0  | 149.0 | 528.0 | 128.5  | 398.8  | 273.4  | 1027.5 | 91.1  | 137.2 | 111.4 | 55.0 | 61.0 |
| 7    | 731.6  | 155.0 | 468.0 | 128.5  | 588.4  | 280.2  | 709.9  | 104.3 | 283.6 | 170.0 | 51.0 | 55.0 |
| 8    | 601.4  | 185.4 | 350.8 | 131.4  | 1022.6 | 798.5  | 452.0  | 298.0 | 253.0 | 204.0 | 49.0 | 45.0 |
| 9    | 472.0  | 167.0 | 307.6 | 146.0  | 834.5  | 1951.5 | 350.8  | 247.3 | 216.8 | 191.6 | 53.0 | 40.1 |
| 10   | 666.5  | 140.1 | 307.6 | 200.9  | 524.0  | 1217.0 | 300.6  | 199.7 | 161.0 | 213.6 | 59.0 | 38.5 |
| 11   | 929.0  | 182.3 | 300.6 | 155.0  | 358.0  | 852.5  | 266.6  | 182.2 | 119.8 | 290.4 | 57.0 | 36.8 |
| 12   | 803.0  | 220.0 | 311.2 | 125.6  | 280.2  | 649.2  | 242.8  | 174.7 | 146.0 | 549.4 | 53.0 | 35.2 |
| 13   | 701.3  | 236.0 | 287.0 | 111.4  | 239.4  | 383.6  | 229.6  | 166.0 | 158.0 | 484.0 | 51.0 | 33.6 |
| 14   | 888.5  | 429.2 | 266.6 | 108.8  | 216.8  | 304.0  | 207.2  | 155.6 | 149.0 | 322.0 | 47.0 | 47.0 |
| 15   | 512.0  | 406.4 | 307.6 | 128.5  | 207.2  | 259.8  | 191.6  | 148.3 | 143.0 | 232.8 | 45.0 | 43.4 |
| 16   | 343.6  | 304.0 | 354.4 | 314.8  | 185.4  | 220.0  | 185.4  | 136.5 | 131.4 | 182.3 | 43.4 | 38.5 |
| 17   | 276.8  | 318.4 | 354.4 | 532.0  | 176.1  | 200.9  | 158.0  | 124.8 | 128.5 | 149.0 | 43.4 | 33.6 |
| 18   | 236.0  | 287.0 | 350.8 | 354.4  | 155.0  | 179.2  | 152.0  | 116.0 | 114.0 | 131.4 | 41.7 | 36.8 |
| 19   | 207.2  | 220.0 | 283.6 | 239.4  | 146.0  | 170.0  | 146.0  | 111.6 | 103.6 | 122.7 | 53.0 | 41.7 |
| 20   | 188.5  | 191.6 | 336.4 | 216.8  | 143.0  | 161.0  | 143.0  | 98.3  | 95.8  | 116.9 | 49.0 | 38.5 |
| 21   | 170.0  | 263.2 | 314.8 | 688.2  | 143.0  | 164.0  | 134.3  | 96.9  | 93.2  | 106.2 | 45.0 | 36.8 |
| 22   | 164.0  | 368.8 | 350.8 | 1212.1 | 128.5  | 170.0  | 131.4  | 94.1  | 88.0  | 101.0 | 41.7 | 33.6 |
| 23   | 220.0  | 472.0 | 372.4 | 893.0  | 116.9  | 176.1  | 131.4  | 92.6  | 95.8  | 93.2  | 41.7 | 33.6 |
| 24   | 182.3  | 425.4 | 300.6 | 601.4  | 111.4  | 170.0  | 128.5  | 89.6  | 111.4 | 88.0  | 40.1 | 32.0 |
| 25   | 152.0  | 492.0 | 259.8 | 421.6  | 149.0  | 161.0  | 111.4  | 161.5 | 98.4  | 111.4 | 40.1 | 32.0 |
| 26   | 134.3  | 354.4 | 270.0 | 340.0  | 210.4  | 149.0  | 106.2  | 133.6 | 88.0  | 106.2 | 53.0 | 30.3 |
| 27   | 140.1  | 266.6 | 579.7 | 270.0  | 179.2  | 155.0  | 101.0  | 113.1 | 95.8  | 95.8  | 76.5 | 28.7 |
| 28   | 134.3  | 216.8 | 666.5 | 236.0  | 149.0  | 170.0  | 95.8   | 94.1  | 220.0 | 85.7  | 69.6 | 28.7 |
| 29   | 128.5  |       | 644.8 | 200.9  | 134.3  | 191.6  | 103.6  | 86.8  | 343.6 | 78.8  | 61.0 | 26.1 |
| 30   | 149.0  |       | 524.0 | 229.6  | 116.9  | 179.2  | 134.3  | 79.5  | 283.6 | 71.9  | 53.0 | 24.9 |
| 31   | 207.2  |       | 354.4 |        | 114.0  |        | 131.4  | 88.1  |       | 67.3  |      | 23.6 |
| Mean | 442.1  | 261.3 | 350.3 | 301.1  | 263.2  | 339.9  | 292.4  | 128.4 | 144.5 | 168.0 | 53.8 | 41.8 |

| Year | : 1972 |        |       |       |      |       |       |        |        |        |       |       |
|------|--------|--------|-------|-------|------|-------|-------|--------|--------|--------|-------|-------|
| Day  | Jan.   | Feb.   | Mar.  | Apr.  | May  | Jun.  | Jul.  | Aug.   | Sep.   | Oct.   | Nov.  | Dec.  |
| 1    | 24.9   | 41.7   | 253.0 | 410.2 | 59.0 | 35.2  | 71.9  | 93.2   | 718.6  | 496.0  | 191.6 | 191.6 |
| 2    | 28.7   | 47.0   | 194.7 | 314.8 | 55.0 | 35.2  | 67.3  | 85.7   | 500.0  | 425.4  | 188.5 | 226.4 |
| 3    | 30.3   | 55.0   | 164.0 | 253.0 | 53.0 | 35.2  | 63.0  | 140.1  | 358.0  | 610.1  | 179.2 | 571.1 |
| 4    | 33.6   | 49.0   | 158.0 | 259.8 | 51.0 | 38.5  | 63.0  | 1183.0 | 300.6  | 1192.7 | 170.0 | 500.0 |
| 5    | 45.0   | 43.4   | 134.3 | 229.6 | 47.0 | 43.4  | 95.8  | 701.3  | 402.6  | 951.5  | 158.0 | 436.8 |
| 6    | 78.8   | 36.8   | 164.0 | 197.8 | 49.0 | 65.0  | 140.1 | 504.0  | 776.0  | 666.5  | 140.1 | 318.4 |
| 7    | 167.0  | 33.6   | 223.2 | 170.0 | 47.0 | 95.8  | 131.4 | 425.4  | 623.1  | 524.0  | 128.5 | 253.0 |
| 8    | 101.0  | 35.2   | 273.4 | 146.0 | 47.0 | 88.0  | 158.0 | 318.4  | 500.0  | 468.0  | 140.1 | 216.8 |
| 9    | 65.0   | 43.4   | 246.2 | 128.5 | 47.0 | 71.9  | 176.1 | 266.6  | 417.8  | 368.8  | 173.0 | 194.7 |
| 10   | 51.0   | 74.2   | 276.8 | 116.9 | 45.0 | 63.0  | 114.0 | 220.0  | 383.6  | 336.4  | 170.0 | 179.2 |
| 11   | 45.0   | 116.9  | 249.6 | 106.2 | 45.0 | 53.0  | 101.0 | 191.6  | 350.8  | 300.6  | 146.0 | 170.0 |
| 12   | 36.8   | 179.2  | 176.1 | 98.4  | 45.0 | 63.0  | 93.2  | 164.0  | 318.4  | 266.6  | 140.1 | 140.1 |
| 13   | 35.2   | 417.8  | 158.0 | 88.0  | 45.0 | 76.5  | 88.0  | 155.0  | 287.0  | 236.0  | 176.1 | 125.6 |
| 14   | 41.7   | 631.8  | 137.2 | 85.7  | 43.4 | 88.0  | 81.1  | 140.1  | 266.6  | 210.4  | 361.6 | 106.2 |
| 15   | 47.0   | 562.4  | 111.4 | 88.0  | 43.4 | 95.8  | 111.4 | 125.6  | 246.2  | 256.4  | 325.6 | 98.4  |
| 16   | 45.0   | 456.0  | 103.6 | 119.8 | 43.4 | 93.2  | 152.0 | 122.7  | 216.8  | 287.0  | 270.0 | 88.0  |
| 17   | 43.4   | 350.8  | 103.6 | 101.0 | 41.7 | 140.1 | 207.2 | 111.4  | 191.6  | 283.6  | 239.4 | 78.8  |
| 18   | 43.4   | 902.0  | 122.7 | 90.6  | 41.7 | 280.2 | 340.0 | 106.2  | 347.2  | 283.6  | 229.6 | 76.5  |
| 19   | 53.0   | 1303.4 | 146.0 | 81.1  | 41.7 | 965.0 | 406.4 | 103.6  | 662.2  | 246.2  | 304.0 | 81.1  |
| 20   | 88.0   | 1139.2 | 140.1 | 71.9  | 40.1 | 520.0 | 290.4 | 93.2   | 472.0  | 220.0  | 314.8 | 85.7  |
| 21   | 182.3  | 727.3  | 108.8 | 67.3  | 40.1 | 325.6 | 200.9 | 95.8   | 429.2  | 185.4  | 256.4 | 95.8  |
| 22   | 210.4  | 460.0  | 93.2  | 65.0  | 38.5 | 229.6 | 170.0 | 103.6  | 402.6  | 161.0  | 216.8 | 111.4 |
| 23   | 191.6  | 307.6  | 85.7  | 65.0  | 38.5 | 176.1 | 155.0 | 128.5  | 368.8  | 149.0  | 200.9 | 131.4 |
| 24   | 167.0  | 216.8  | 78.8  | 63.0  | 40.1 | 137.2 | 146.0 | 108.8  | 332.8  | 161.0  | 188.5 | 239.4 |
| 25   | 90.6   | 179.2  | 74.2  | 61.0  | 38.5 | 111.4 | 137.2 | 372.4  | 304.0  | 152.0  | 182.3 | 365.2 |
| 26   | 63.0   | 239.4  | 149.0 | 59.0  | 38.5 | 93.2  | 119.8 | 1651.2 | 280.2  | 140.1  | 176.1 | 220.0 |
| 27   | 55.0   | 340.0  | 131.4 | 67.3  | 36.8 | 90.6  | 137.2 | 1700.3 | 566.7  | 161.0  | 170.0 | 152.0 |
| 28   | 49.0   | 350.8  | 111.4 | 65.0  | 36.8 | 88.0  | 125.6 | 2117.0 | 1405.0 | 197.8  | 155.0 | 111.4 |
| 29   | 55.0   | 297.2  | 179.2 | 63.0  | 36.8 | 81.1  | 114.0 | 1804.1 | 830.0  | 232.8  | 152.0 | 98.4  |
| 30   | 51.0   |        | 297.2 | 61.0  | 36.8 | 76.5  | 101.0 | 1338.9 | 662.2  | 216.8  | 155.0 | 119.8 |
| 31   | 45.0   |        | 365.2 |       | 35.2 |       | 101.0 | 902.0  |        | 204.0  |       | 101.0 |
| Mean | 73.0   | 332.3  | 168.1 | 126.5 | 43.5 | 145.2 | 143.8 | 502.4  | 464.0  | 341.6  | 200.0 | 189.8 |