

STATION:05536890 CHICAGO SANITARY AND SHIP CANAL NR LEMONT, IL TYPE:STREAM AGENCY:USGS STATE:17 COUNTY:043  
 LATITUDE: 414129 LONGITUDE: 0875752 NAD83 DRAINAGE AREA:738 CONTRIBUTING DRAINAGE AREA: DATUM:551.76 NAVD88

Date Processed: 2015-01-19 10:16 By xxxxxx

Rating for Discharge (ft3/s)

RATING ID: 2.0 TYPE: stage-area EXPANSION: equation STATUS: approved

Created by xxxxxx on 11-09-2012 @ 15:44:01 CST, Updated by xxxxxx on 01-04-2014 @ 16:53:48 CST

RATING REMARKS:

EXPANDED RATING TABLE

| Gag<br>height,<br>feet | STREAM CROSS-SECTION (IN SQUARE FEET (STANDARD PRECISION)) |      |      |      |      |      |      |      |      |      | DIFF IN Y<br>PER<br>.1 UNITS |
|------------------------|--|------|------|------|------|------|------|------|------|------|------------------------------|
|                        | .00  | .01  | .02  | .03  | .04  | .05  | .06  | .07  | .08  | .09  |                              |
| 19.00                  | 2770   | 2770 | 2770 | 2780 | 2780 | 2780 | 2780 | 2780 | 2780 | 2790 | 20.00                        |
| 19.10                  | 2790   | 2790 | 2790 | 2790 | 2800 | 2800 | 2800 | 2800 | 2800 | 2800 | 20.00                        |
| 19.20                  | 2810   | 2810 | 2810 | 2810 | 2810 | 2820 | 2820 | 2820 | 2820 | 2820 | 10.00                        |
| 19.30                  | 2820   | 2830 | 2830 | 2830 | 2830 | 2830 | 2840 | 2840 | 2840 | 2840 | 20.00                        |
| 19.40                  | 2840   | 2840 | 2850 | 2850 | 2850 | 2850 | 2850 | 2850 | 2860 | 2860 | 20.00                        |
| 19.50                  | 2860   | 2860 | 2860 | 2870 | 2870 | 2870 | 2870 | 2870 | 2870 | 2880 | 20.00                        |
| 19.60                  | 2880   | 2880 | 2880 | 2880 | 2890 | 2890 | 2890 | 2890 | 2890 | 2890 | 20.00                        |
| 19.70                  | 2900   | 2900 | 2900 | 2900 | 2900 | 2910 | 2910 | 2910 | 2910 | 2910 | 10.00                        |
| 19.80                  | 2910   | 2920 | 2920 | 2920 | 2920 | 2920 | 2920 | 2930 | 2930 | 2930 | 20.00                        |
| 19.90                  | 2930   | 2930 | 2940 | 2940 | 2940 | 2940 | 2940 | 2940 | 2950 | 2950 | 20.00                        |
| 20.00                  | 2950   | 2950 | 2950 | 2960 | 2960 | 2960 | 2960 | 2960 | 2960 | 2970 | 20.00                        |
| 20.10                  | 2970   | 2970 | 2970 | 2970 | 2980 | 2980 | 2980 | 2980 | 2980 | 2980 | 20.00                        |
| 20.20                  | 2990   | 2990 | 2990 | 2990 | 2990 | 2990 | 3000 | 3000 | 3000 | 3000 | 10.00                        |
| 20.30                  | 3000   | 3010 | 3010 | 3010 | 3010 | 3010 | 3010 | 3020 | 3020 | 3020 | 20.00                        |
| 20.40                  | 3020   | 3020 | 3030 | 3030 | 3030 | 3030 | 3030 | 3030 | 3040 | 3040 | 20.00                        |
| 20.50                  | 3040   | 3040 | 3040 | 3050 | 3050 | 3050 | 3050 | 3050 | 3050 | 3060 | 20.00                        |
| 20.60                  | 3060   | 3060 | 3060 | 3060 | 3060 | 3070 | 3070 | 3070 | 3070 | 3070 | 20.00                        |
| 20.70                  | 3080   | 3080 | 3080 | 3080 | 3080 | 3080 | 3090 | 3090 | 3090 | 3090 | 10.00                        |
| 20.80                  | 3090   | 3100 | 3100 | 3100 | 3100 | 3100 | 3100 | 3110 | 3110 | 3110 | 20.00                        |
| 20.90                  | 3110   | 3110 | 3120 | 3120 | 3120 | 3120 | 3120 | 3120 | 3130 | 3130 | 20.00                        |
| 21.00                  | 3130   | 3130 | 3130 | 3130 | 3140 | 3140 | 3140 | 3140 | 3140 | 3150 | 20.00                        |
| 21.10                  | 3150   | 3150 | 3150 | 3150 | 3150 | 3160 | 3160 | 3160 | 3160 | 3160 | 20.00                        |
| 21.20                  | 3170   | 3170 | 3170 | 3170 | 3170 | 3170 | 3180 | 3180 | 3180 | 3180 | 10.00                        |
| 21.30                  | 3180   | 3180 | 3190 | 3190 | 3190 | 3190 | 3190 | 3200 | 3200 | 3200 | 20.00                        |
| 21.40                  | 3200   | 3200 | 3200 | 3210 | 3210 | 3210 | 3210 | 3210 | 3220 | 3220 | 20.00                        |
| 21.50                  | 3220   | 3220 | 3220 | 3220 | 3230 | 3230 | 3230 | 3230 | 3230 | 3240 | 20.00                        |
| 21.60                  | 3240   | 3240 | 3240 | 3240 | 3240 | 3250 | 3250 | 3250 | 3250 | 3250 | 10.00                        |
| 21.70                  | 3250   | 3260 | 3260 | 3260 | 3260 | 3260 | 3270 | 3270 | 3270 | 3270 | 20.00                        |
| 21.80                  | 3270   | 3270 | 3280 | 3280 | 3280 | 3280 | 3280 | 3290 | 3290 | 3290 | 20.00                        |
| 21.90                  | 3290   | 3290 | 3290 | 3300 | 3300 | 3300 | 3300 | 3300 | 3310 | 3310 | 20.00                        |
| 22.00                  | 3310   | 3310 | 3310 | 3310 | 3320 | 3320 | 3320 | 3320 | 3320 | 3320 | 20.00                        |
| 22.10                  | 3330   | 3330 | 3330 | 3330 | 3330 | 3340 | 3340 | 3340 | 3340 | 3340 | 10.00                        |
| 22.20                  | 3340   | 3350 | 3350 | 3350 | 3350 | 3350 | 3360 | 3360 | 3360 | 3360 | 20.00                        |
| 22.30                  | 3360   | 3360 | 3370 | 3370 | 3370 | 3370 | 3370 | 3380 | 3380 | 3380 | 20.00                        |
| 22.40                  | 3380   | 3380 | 3380 | 3390 | 3390 | 3390 | 3390 | 3390 | 3390 | 3400 | 20.00                        |
| 22.50                  | 3400   | 3400 | 3400 | 3400 | 3410 | 3410 | 3410 | 3410 | 3410 | 3410 | 20.00                        |
| 22.60                  | 3420   | 3420 | 3420 | 3420 | 3420 | 3430 | 3430 | 3430 | 3430 | 3430 | 10.00                        |
| 22.70                  | 3430   | 3440 | 3440 | 3440 | 3440 | 3440 | 3450 | 3450 | 3450 | 3450 | 20.00                        |
| 22.80                  | 3450   | 3450 | 3460 | 3460 | 3460 | 3460 | 3460 | 3460 | 3470 | 3470 | 20.00                        |

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RATING REMARKS:

EXPANDED RATING TABLE

| Gag<br>height,<br>feet | STREAM CROSS-SECTION (IN SQUARE FEET (STANDARD PRECISION)) |      |      |      |      |      |      |      |      |      | DIFF IN Y<br>PER<br>.1 UNITS |
|------------------------|--|------|------|------|------|------|------|------|------|------|------------------------------|
|                        | .00  | .01  | .02  | .03  | .04  | .05  | .06  | .07  | .08  | .09  |                              |
| 22.90                  | 3470   | 3470 | 3470 | 3480 | 3480 | 3480 | 3480 | 3480 | 3480 | 3490 | 20.00                        |
| 23.00                  | 3490   | 3490 | 3490 | 3490 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 20.00                        |
| 23.10                  | 3510   | 3510 | 3510 | 3510 | 3510 | 3520 | 3520 | 3520 | 3520 | 3520 | 10.00                        |
| 23.20                  | 3520   | 3530 | 3530 | 3530 | 3530 | 3530 | 3530 | 3540 | 3540 | 3540 | 20.00                        |
| 23.30                  | 3540   | 3540 | 3550 | 3550 | 3550 | 3550 | 3550 | 3550 | 3560 | 3560 | 20.00                        |
| 23.40                  | 3560   | 3560 | 3560 | 3570 | 3570 | 3570 | 3570 | 3570 | 3570 | 3580 | 20.00                        |
| 23.50                  | 3580   | 3580 | 3580 | 3580 | 3590 | 3590 | 3590 | 3590 | 3590 | 3590 | 20.00                        |
| 23.60                  | 3600   | 3600 | 3600 | 3600 | 3600 | 3600 | 3610 | 3610 | 3610 | 3610 | 10.00                        |
| 23.70                  | 3610   | 3620 | 3620 | 3620 | 3620 | 3620 | 3620 | 3630 | 3630 | 3630 | 20.00                        |
| 23.80                  | 3630   | 3630 | 3640 | 3640 | 3640 | 3640 | 3640 | 3640 | 3650 | 3650 | 20.00                        |
| 23.90                  | 3650   | 3650 | 3650 | 3650 | 3660 | 3660 | 3660 | 3660 | 3660 | 3670 | 20.00                        |
| 24.00                  | 3670   | 3670 | 3670 | 3670 | 3670 | 3680 | 3680 | 3680 | 3680 | 3680 | 20.00                        |
| 24.10                  | 3690   | 3690 | 3690 | 3690 | 3690 | 3690 | 3700 | 3700 | 3700 | 3700 | 10.00                        |
| 24.20                  | 3700   | 3710 | 3710 | 3710 | 3710 | 3710 | 3710 | 3720 | 3720 | 3720 | 20.00                        |
| 24.30                  | 3720   | 3720 | 3720 | 3730 | 3730 | 3730 | 3730 | 3730 | 3740 | 3740 | 20.00                        |
| 24.40                  | 3740   | 3740 | 3740 | 3740 | 3750 | 3750 | 3750 | 3750 | 3750 | 3760 | 20.00                        |
| 24.50                  | 3760   | 3760 | 3760 | 3760 | 3760 | 3770 | 3770 | 3770 | 3770 | 3770 | 20.00                        |
| 24.60                  | 3780   | 3780 | 3780 | 3780 | 3780 | 3780 | 3790 | 3790 | 3790 | 3790 | 10.00                        |
| 24.70                  | 3790   | 3790 | 3800 | 3800 | 3800 | 3800 | 3800 | 3810 | 3810 | 3810 | 20.00                        |
| 24.80                  | 3810   | 3810 | 3810 | 3820 | 3820 | 3820 | 3820 | 3820 | 3830 | 3830 | 20.00                        |
| 24.90                  | 3830   | 3830 | 3830 | 3830 | 3840 | 3840 | 3840 | 3840 | 3840 | 3850 | 20.00                        |
| 25.00                  | 3850   | 3850 | 3850 | 3850 | 3850 | 3860 | 3860 | 3860 | 3860 | 3860 | 10.00                        |
| 25.10                  | 3860   | 3870 | 3870 | 3870 | 3870 | 3870 | 3880 | 3880 | 3880 | 3880 | 20.00                        |
| 25.20                  | 3880   | 3880 | 3890 | 3890 | 3890 | 3890 | 3890 | 3900 | 3900 | 3900 | 20.00                        |
| 25.30                  | 3900   | 3900 | 3900 | 3910 | 3910 | 3910 | 3910 | 3910 | 3920 | 3920 | 20.00                        |
| 25.40                  | 3920   | 3920 | 3920 | 3920 | 3930 | 3930 | 3930 | 3930 | 3930 | 3930 | 20.00                        |
| 25.50                  | 3940   | 3940 | 3940 | 3940 | 3940 | 3950 | 3950 | 3950 | 3950 | 3950 | 10.00                        |
| 25.60                  | 3950   | 3960 | 3960 | 3960 | 3960 | 3960 | 3970 | 3970 | 3970 | 3970 | 20.00                        |
| 25.70                  | 3970   | 3970 | 3980 | 3980 | 3980 | 3980 | 3980 | 3990 | 3990 | 3990 | 20.00                        |
| 25.80                  | 3990   | 3990 | 3990 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4010 | 20.00                        |
| 25.90                  | 4010   | 4010 | 4010 | 4010 | 4020 | 4020 | 4020 | 4020 | 4020 | 4020 | 20.00                        |
| 26.00                  | 4030   | 4030 | 4030 | 4030 | 4030 | 4040 | 4040 | 4040 | 4040 | 4040 | 10.00                        |
| 26.10                  | 4040   | 4050 | 4050 | 4050 | 4050 | 4050 | 4060 | 4060 | 4060 | 4060 | 20.00                        |
| 26.20                  | 4060   | 4060 | 4070 | 4070 | 4070 | 4070 | 4070 | 4070 | 4080 | 4080 | 20.00                        |
| 26.30                  | 4080   | 4080 | 4080 | 4090 | 4090 | 4090 | 4090 | 4090 | 4090 | 4100 | 20.00                        |
| 26.40                  | 4100   | 4100 | 4100 | 4100 | 4110 | 4110 | 4110 | 4110 | 4110 | 4110 | 20.00                        |
| 26.50                  | 4120   | 4120 | 4120 | 4120 | 4120 | 4130 | 4130 | 4130 | 4130 | 4130 | 10.00                        |
| 26.60                  | 4130   | 4140 | 4140 | 4140 | 4140 | 4140 | 4140 | 4150 | 4150 | 4150 | 20.00                        |

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| Gag height, feet | STREAM CROSS-SECTION (IN SQUARE FEET (STANDARD PRECISION)) |      |      |      |      |      |      |      |      |      | DIFF IN Y PER .1 UNITS |
|------------------|--|------|------|------|------|------|------|------|------|------|------------------------|
|                  | .00  | .01  | .02  | .03  | .04  | .05  | .06  | .07  | .08  | .09  |                        |
| 26.70            | 4150   | 4150 | 4160 | 4160 | 4160 | 4160 | 4160 | 4160 | 4170 | 4170 | 20.00                  |
| 26.80            | 4170   | 4170 | 4170 | 4180 | 4180 | 4180 | 4180 | 4180 | 4180 | 4190 | 20.00                  |
| 26.90            | 4190   | 4190 | 4190 | 4190 | 4190 | 4200 | 4200 | 4200 | 4200 | 4200 | 20.00                  |
| 27.00            | 4210   |      |      |      |      |      |      |      |      |      |                        |

"\*" indicates a rating descriptor point

| Rating Type: |                           | Rating Type: stage-area   |   | Comments |
|--------------|---------------------------|---------------------------|---|----------|
| ID           | Starting Date             | Ending Date               | A |          |
| 2.0          | 10-01-2009 @ 00:00:00 CST | 04-08-2014 @ 23:59:59 CST | A |          |
| 2.0          | 04-09-2014 @ 00:00:00 CST | -----                     | W |          |