| | | | | | | LBS PE | ABLE 1- R DAY O nile 40.0 | F BOD ₅ | | | | | | | |
|---------------------------|-----------|-----------|------------|------------|------------|------------|---------------------------------|--------------------|------------|------------|------------|------------|------------|------------|------------|
| | | | | Flow at 1 | Rapide C | roche Da | m (cfs) (| Previous | four day | average) | | | | | |
| Flow (cfs) | 750 Or | 751 To | 1001 To | 1251 To | 1501 To | 1751 To | 2001 To | 2251 To | 2501 To | 2751 To | 3001 To | 3501 To | 4001 To | 5001 To | 8001 Or |
| Temp ° F | Less | 1000 | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 | 3500 | 4000 | 5000 | 8000 | More |
| (Previous Day Average) | | | | | | | MAY | - JUNE | | | | | | | |
| 86.0 OR GREATER | 12100 | 12790 | 13780 | 14640 | 15460 | 16290 | 17250 | 18340 | 19700 | 21250 | 23530 | 24970 | 27220 | 39570 | 47520 |
| 82.0 TO 85.0 | 12980 | 13810 | 14920 | 15920 | 16940 | 18080 | 19400 | 20920 | 22640 | 23200 | 24350 | 25530 | 30150 | 43000 | 52580 |
| 78.0 TO 81.0 | 14380 | 15350 | 16600 | 17840 | 19260 | 20910 | 22210 | 22590 | 23340 | 24250 | 25050 | 27250 | 35380 | 49270 | 52870 |
| 74.0 TO 77.0 | 15770 | 16830 | 18250 | 19870 | 21830 | 22170 | 22610 | 23800 | 24280 | 24870 | 26030 | 31430 | 39800 | 52870 | 52870 |
| 70.0 TO 73.0 | 17130 | 18270 | 20050 | 21940 | 22020 | 22460 | 23710 | 24180 | 24880 | 25730 | 28790 | 36160 | 44190 | 52870 | 52870 |
| 66.0 TO 69.0 | 18520 | 19840 | 22010 | 21940 | 22280 | 23580 | 24130 | 24850 | 25870 | 28070 | 33110 | 41340 | 49570 | 52870 | 52870 |
| 62.0 TO 65.0 | 20210 | 22030 | 21840 | 22060 | 23430 | 24070 | 24960 | 26120 | 29330 | 33050 | 40410 | 46740 | 52870 | 52870 | 52870 |
| 58.0 TO 61.0 | 22310 | 21780 | 21820 | 23270 | 24050 | 25240 | 27350 | 31390 | 35860 | 41830 | 46940 | 52870 | 52870 | 52870 | 52870 |
| 54.0 TO 57.0 | 21600 | 21510 | 23070 | 24130 | 25780 | 29890 | 34900 | 42040 | 46150 | 50410 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 50.0 TO 53.0 | 21270 | 22060 | 24240 | 26960 | 33290 | 39800 | 47480 | 52690 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 46.0 TO 49.0 | 22110 | 24290 | 29350 | 37710 | 48610 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 42.0 TO 45.0 | 25220 | 31510 | 42930 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 41.0 OR LESS | 36890 | 48250 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| (Previous Day Average) | | | | | | | | JULY | | | | | | | |
| 86.0 OR GREATER | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 13510 | 15550 | 18070 | 20820 | 22430 | 22640 | 23590 | 27000 | 34740 |
| 82.0 TO 85.0 | 11900 | 11900 | 11900 | 11900 | 12340 | 14340 | 16600 | 19080 | 22050 | 22520 | 22690 | 23460 | 24500 | 31450 | 40630 |
| 78.0 TO 81.0 | 11900 | 11900 | 11900 | 13650 | 15960 | 18560 | 21470 | 22820 | 23080 | 23130 | 23730 | 24600 | 26210 | 39430 | 50540 |
| 74.0 TO 77.0 | 11900 | 12300 | 14350 | 16860 | 19820 | 21720 | 23050 | 23390 | 23460 | 24040 | 24760 | 26040 | 31350 | 48000 | 52870 |
| 70.0 TO 73.0 | 12960 | 14490 | 17200 | 20430 | 21670 | 22050 | 23350 | 23850 | 24480 | 25060 | 26080 | 30170 | 37300 | 52870 | 52870 |
| 66.0 TO 69.0 | 14950 | 16960 | 20410 | 21690 | 22000 | 23340 | 23890 | 24620 | 25610 | 26410 | 30100 | 35570 | 44020 | 52870 | 52870 |
| 62.0 TO 65.0 | 17400 | 20100 | 21670 | 21850 | 23290 | 23950 | 24880 | 26090 | 28540 | 31400 | 35760 | 42330 | 52260 | 52870 | 52870 |
| 61 OR LESS | 20740 | 21680 | 21670 | 23210 | 24050 | 25320 | 27800 | 31120 | 34570 | 38040 | 43500 | 51580 | 52870 | 52870 | 52870 |
| (Previous Day Average) | | | | | | | 1 | AUGUST | | | | | | | |
| 86.0 OR GREATER | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 11980 | 13820 | 15930 | 19320 | 22650 | 23370 | 25770 | 30630 |
| 82.0 TO 85.0 | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 13450 | 15250 | 17540 | 20120 | 22710 | 23280 | 24200 | 28680 | 36100 |
| 78.0 TO 81.0 | 11900 | 11900 | 11900 | 12080 | 13760 | 15700 | 17940 | 20400 | 21700 | 22740 | 23540 | 24310 | 25630 | 35700 | 45680 |
| 74.0 TO 77.0 | 11900 | 11900 | 13120 | 15010 | 17290 | 19880 | 21340 | 21810 | 22940 | 23360 | 24430 | 25500 | 28990 | 43650 | 52870 |
| 70.0 TO 73.0 | 12450 | 13640 | 15730 | 18270 | 21100 | 21360 | 22650 | 23000 | 23540 | 24290 | 25500 | 27920 | 34160 | 52250 | 52870 |
| 66.0 TO 69.0 | 14350 | 15930 | 18680 | 21190 | 21360 | 22670 | 23110 | 23710 | 24620 | 25690 | 27870 | 32850 | 40540 | 52870 | 52870 |
| 62.0 TO 65.0 | 16620 | 18820 | 21230 | 21280 | 22640 | 23180 | 23970 | 25030 | 26430 | 29140 | 33120 | 39170 | 48590 | 52870 | 52870 |
| 61.0 OR LESS | 19730 | 21310 | 21150 | 22550 | 23250 | 24360 | 25840 | 29010 | 32170 | 35400 | 40430 | 48140 | 52870 | 52870 | 52870 |
| (Previous Day Average) | | | | | | | SE | PTEMBI | ER | | | | | | |
| 86.0 OR GREATER | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 12700 | 15400 | 19440 | 23550 | 25820 | 30900 |
| 82.0 TO 85.0 | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 11900 | 12890 | 14660 | 16730 | 20220 | 22880 | 24220 | 28550 | 36130 |
| 78.0 TO 81.0 | 11900 | 11900 | 11900 | 11900 | 12510 | 13890 | 15600 | 17610 | 20220 | 22030 | 22610 | 23940 | 25430 | 35030 | 45680 |
| 74.0 TO 77.0 | 11900 | 11900 | 12590 | 13870 | 15590 | 17690 | 20200 | 21880 | 22160 | 22570 | 23480 | 25160 | 27910 | 42840 | 52870 |
| 70.0 TO 73.0 | 12590 | 13290 | 14730 | 16690 | 19200 | 20710 | 21880 | 22150 | 22680 | 23400 | 24760 | 26450 | 32620 | 51470 | 52870 |
| 66.0 TO 69.0 | 14100 | 15180 | 17320 | 20120 | 20730 | 21900 | 22260 | 22810 | 23680 | 24740 | 26320 | 31140 | 38800 | 52870 | 52870 |
| 62.0 TO 65.0 | 15980 | 17700 | 20760 | 20670 | 21860 | 22300 | 23030 | 24020 | 25410 | 27180 | 31160 | 37270 | 47030 | 52870 | 52870 |
| 58.0 TO 61.0 | 18670 | 20870 | 20550 | 21750 | 22320 | 23340 | 24740 | 26600 | 30050 | 33250 | 38290 | 46210 | 52870 | 52870 | 52870 |
| 54.0 TO 57.0 | 20760 | 20370 | 21550 | 22370 | 23820 | 25880 | 30150 | 33950 | 38050 | 42320 | 49160 | 52870 | 52870 | 52870 | 52870 |
| 50.0 TO 53.0 | 20120 | 21280 | 22400 | 24580 | 28870 | 34630 | 39610 | 44880 | 50650 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |

NR 212.00

| | | | | | | TABLE | 1–a (Coi | itinued) | | | | | | | |
|---------------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Flow (cfs) Temp ° F | 750 Or Less | 751 To 1000 | 1001 To 1250 | 1251 To 1500 | 1501 To 1750 | 1751 To 2000 | 2001 To 2250 | 2251 To 2500 | 2501 To 2750 | 2751 To 3000 | 3001 To 3500 | 3501 To 4000 | 4001 To 5000 | 5001 To 8000 | 8001 Or More |
| 46.0 TO 49.0 | 21130 | 22330 | 25570 | 33280 | 40820 | 47690 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 42.0 TO 45.0 | 22950 | 26610 | 38240 | 49250 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 41.0 OR LESS | 31510 | 43060 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| (Previous Day Average) | | | | | | | 0 | CTOBE | R | | | | | | |
| 66.0 OR GREATER | 12890 | 13610 | 15330 | 17810 | 20920 | 21000 | 21280 | 21780 | 22650 | 23730 | 25830 | 30120 | 38610 | 52870 | 52870 |
| 62.0 TO 65.0 | 14390 | 15790 | 18640 | 20930 | 20970 | 21300 | 21980 | 22910 | 24320 | 25990 | 29770 | 36340 | 46710 | 52870 | 52870 |
| 58.0 TO 61.0 | 16720 | 19200 | 20850 | 20840 | 21260 | 22190 | 23530 | 25280 | 28320 | 31640 | 36940 | 45280 | 52870 | 52870 | 52870 |
| 54.0 TO 57.0 | 20190 | 19610 | 20580 | 21210 | 22530 | 24490 | 27630 | 32020 | 36260 | 40660 | 47790 | 52870 | 52870 | 52870 | 52870 |
| 50.0 TO 53.0 | 19270 | 20220 | 21090 | 23080 | 26050 | 32320 | 37430 | 42800 | 48740 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 46.0 TO 49.0 | 19900 | 20830 | 23770 | 29750 | 38090 | 45100 | 52650 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 42.0 TO 45.0 | 21110 | 24340 | 34110 | 45940 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |
| 41.0 OR LESS | 26620 | 38050 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 | 52870 |

TABLE 1-a (Continued)

TABLE 1-b LBS PER DAY OF BOD5

(river mile 32.4 to 19.2)

Flow at Rapide Croche Dam (cfs) (Previous four day average)

| Flow (cfs) | 750 | 751 | 1001 | 1251 | 1501 | 1751 | 2001 | 2251 | 2501 | 2751 | 3001 | 3501 | 4001 | 5001 | 8001 |
|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Temp °F | Or Less | То 1000 | То 1250 | То 1500 | То 1750 | То 2000 | То 2250 | То 2500 | То 2750 | То 3000 | То 3500 | То 4000 | То 5000 | То 8000 | Or More |
| (Previous Day Average) | | | | | | | Ν | 1AY - JU | NE | | | | | | |
| 86.0 OR GREATER | 19530 | 20420 | 22080 | 24040 | 26140 | 28260 | 30320 | 32250 | 34310 | 36350 | 39600 | 44250 | 51010 | 63910 | 73520 |
| 82.0 TO 85.0 | 19420 | 20430 | 22210 | 24390 | 26660 | 28890 | 31030 | 33000 | 35220 | 38020 | 41600 | 46650 | 53800 | 68020 | 79650 |
| 78.0 TO 81.0 | 19150 | 20410 | 22530 | 25040 | 27560 | 29970 | 32480 | 35440 | 38760 | 41280 | 44870 | 51070 | 59210 | 75180 | 91320 |
| 74.0 TO 77.0 | 18870 | 20380 | 22960 | 25780 | 28460 | 31830 | 35330 | 38750 | 41510 | 44240 | 48790 | 55300 | 63740 | 84040 | 100580 |
| 70.0 TO 73.0 | 18660 | 20460 | 23470 | 26610 | 30480 | 34470 | 38310 | 41220 | 44390 | 47680 | 52700 | 60590 | 68590 | 95110 | 100580 |
| 66.0 TO 69.0 | 18680 | 20900 | 24270 | 28610 | 33110 | 37570 | 40930 | 44350 | 48270 | 51980 | 57640 | 65690 | 75390 | 100580 | 100580 |
| 62.0 TO 65.0 | 19050 | 21620 | 26390 | 31540 | 36770 | 40720 | 44820 | 49180 | 53430 | 57720 | 64970 | 72530 | 85540 | 100580 | 100580 |
| 58.0 TO 61.0 | 19930 | 23850 | 29850 | 36110 | 40930 | 46030 | 51270 | 55990 | 61520 | 67050 | 73540 | 84150 | 100580 | 100580 | 100580 |
| 54.0 TO 57.0 | 22540 | 27670 | 35440 | 41500 | 48070 | 54250 | 60610 | 67770 | 73110 | 79020 | 88690 | 100580 | 100580 | 100580 | 100580 |
| 50.0 TO 53.0 | 27120 | 34180 | 42260 | 50880 | 58700 | 67790 | 75380 | 83010 | 91490 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 46.0 TO 49.0 | 35180 | 42700 | 53730 | 65030 | 77230 | 87490 | 98940 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 42.0 TO 45.0 | 46260 | 56540 | 72970 | 90120 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 41.0 OR LESS | 63960 | 81400 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| (Previous Day | | | | | | | | | | | | | | | |
| Average) | | | | | | | | JULY | | | | | | | |
| 86.0 OR GREATER | 19410 | 20220 | 22000 | 23990 | 25710 | 26170 | 26980 | 28180 | 29240 | 29780 | 31330 | 34160 | 38470 | 50880 | 59440 |
| 82.0 TO 85.0 | 19570 | 20540 | 22190 | 24300 | 26280 | 27480 | 28340 | 29090 | 29860 | 31520 | 33910 | 36900 | 42800 | 55660 | 66240 |
| 78.0 TO 81.0 | 19430 | 20700 | 22610 | 24790 | 26830 | 28610 | 30110 | 31750 | 33760 | 35510 | 38010 | 43030 | 49440 | 64460 | 79010 |
| 74.0 TO 77.0 | 19460 | 20690 | 22950 | 25250 | 27350 | 29900 | 33050 | 35410 | 37540 | 39570 | 43590 | 48790 | 55230 | 74500 | 93610 |
| 70.0 TO 73.0 | 19270 | 20860 | 23210 | 25670 | 28940 | 32850 | 36710 | 39140 | 41770 | 44770 | 48930 | 54010 | 61490 | 86460 | 100580 |
| 66.0 TO 69.0 | 19230 | 21110 | 23690 | 27390 | 31930 | 36490 | 39940 | 43480 | 46990 | 50190 | 53910 | 59720 | 69370 | 100580 | 100580 |
| 62.0 TO 65.0 | 19500 | 21570 | 25470 | 30620 | 36130 | 40270 | 44530 | 49080 | 52330 | 55260 | 60080 | 67690 | 80270 | 100580 | 100580 |
| 61.0 OR LESS | 20140 | 23290 | 29180 | 35830 | 40920 | 46310 | 51590 | 55020 | 58840 | 62930 | 69640 | 80040 | 97410 | 100580 | 100580 |

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NR 212.00

| | | | | | | IADI | LE 1–b (C | ontinueu) | | | | | | | |
|---------------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Flow (cfs) | 750 Or | 751 To | 1001 To | 1251 To | 1501 To | 1751 To | 2001 To | 2251 To | 2501 To | 2751 To | 3001 To | 3501 To | 4001 To | 5001 To | 8001 Or |
| Temp ° F | Less | 1000 | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 | 3500 | 4000 | 5000 | 8000 | More |
| (Previous Day Average) | | | | | | | | AUGUS | ſ | | | | | | |
| 86.0 OR GREATER | 17100 | 17820 | 19550 | 21660 | 23750 | 25630 | 27250 | 28660 | 29950 | 31130 | 32730 | 34200 | 37550 | 47950 | 54910 |
| 82.0 TO 85.0 | 17100 | 17980 | 19830 | 22050 | 24160 | 26080 | 27770 | 29210 | 30630 | 31780 | 34020 | 36110 | 41620 | 52690 | 61150 |
| 78.0 TO 81.0 | 17100 | 18250 | 20290 | 22640 | 24880 | 26880 | 28660 | 30250 | 32660 | 35080 | 37160 | 41870 | 47280 | 60390 | 73230 |
| 74.0 TO 77.0 | 17100 | 18430 | 20740 | 23240 | 25590 | 27710 | 30360 | 33520 | 36040 | 38390 | 42230 | 46740 | 52860 | 69620 | 86960 |
| 70.0 TO 73.0 | 17100 | 18620 | 21190 | 23820 | 26350 | 30100 | 33650 | 36450 | 39290 | 42320 | 46710 | 51760 | 58250 | 81040 | 100580 |
| 66.0 TO 69.0 | 17110 | 19080 | 21860 | 24970 | 29300 | 33490 | 36810 | 40050 | 43740 | 47670 | 51710 | 56920 | 65590 | 94940 | 100580 |
| 62.0 TO 65.0 | 17560 | 19750 | 23220 | 28190 | 33180 | 37130 | 41120 | 45370 | 50290 | 52990 | 57310 | 64230 | 76010 | 100580 | 100580 |
| 61.0 OR LESS | 18330 | 21220 | 26890 | 32890 | 37770 | 42880 | 48300 | 52880 | 56320 | 60040 | 66160 | 75970 | 92360 | 100580 | 100580 |
| (Previous Day Average) | | | | | | | s | ЕРТЕМВ | ER | | | | | | |
| 86 OR GREATER | 17100 | 17100 | 17100 | 18950 | 21280 | 23430 | 25440 | 27290 | 29040 | 30650 | 32770 | 34940 | 38300 | 48160 | 55220 |
| 82 TO 85 | 17100 | 17100 | 17100 | 19430 | 21810 | 24010 | 25990 | 27810 | 29670 | 31340 | 32690 | 36020 | 41730 | 52560 | 61180 |
| 78 TO 81 | 17100 | 17100 | 17620 | 20220 | 22700 | 25020 | 27140 | 29050 | 30780 | 32160 | 35280 | 40840 | 46540 | 59660 | 73230 |
| 74 TO 77 | 17100 | 17100 | 18250 | 20960 | 23540 | 25940 | 28140 | 30320 | 32850 | 35340 | 39370 | 45460 | 51770 | 68700 | 86890 |
| 70 TO 73 | 17100 | 17100 | 18850 | 21690 | 24340 | 27510 | 30270 | 33010 | 36010 | 39020 | 44360 | 50300 | 56670 | 80100 | 100580 |
| 66 TO 69 | 17100 | 17100 | 19690 | 22660 | 26690 | 30070 | 33330 | 36690 | 40350 | 44350 | 49880 | 55150 | 63700 | 94080 | 100580 |
| 62 TO 65 | 17100 | 17520 | 20730 | 25590 | 29710 | 33590 | 37660 | 41850 | 46850 | 51040 | 55250 | 62160 | 74200 | 100580 | 100580 |
| 58 TO 61 | 17100 | 18710 | 24240 | 29320 | 34110 | 39220 | 44600 | 50480 | 54100 | 57710 | 63740 | 73690 | 90340 | 100580 | 100580 |
| 54 TO 57 | 17710 | 22400 | 28760 | 34820 | 41390 | 48550 | 54250 | 58710 | 63740 | 69330 | 78450 | 92890 | 100580 | 100580 | 100580 |
| 50 TO 53 | 22010 | 27710 | 35520 | 44320 | 53280 | 59620 | 66000 | 73280 | 81330 | 90010 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 46 TO 49 | 28330 | 35720 | 47640 | 59240 | 67770 | 77480 | 88370 | 100450 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 42 TO 45 | 38730 | 50510 | 66520 | 79740 | 94890 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 41 OR LESS | 56940 | 73990 | 96270 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| (Previous Day Average) | | | | | | | | остове | R | | | | | | |
| 66 OR | | | | | | | | | | | | | | | |
| GREATER | 17100 | 17100 | 17350 | 20360 | 23070 | 26070 | 29340 | 32820 | 36620 | 40820 | 48090 | 54100 | 63500 | 96160 | 100580 |
| 62 TO 65 | 17100 | 17100 | 18280 | 22130 | 25690 | 29540 | 33740 | 37970 | 43200 | 48860 | 53790 | 61140 | 73830 | 100580 | 100580 |
| 58 TO 61 | 17100 | 17100 | 20910 | 25210 | 29930 | 35110 | 40550 | 46650 | 52270 | 55950 | 62210 | 72590 | 90220 | 100580 | 100580 |
| 54 TO 57 | 17100 | 18930 | 24460 | 30400 | 37000 | 44160 | 51740 | 56540 | 61660 | 67340 | 76760 | 91840 | 100580 | 100580 | 100580 |
| 50 TO 53 | 18180 | 23110 | 30750 | 39480 | 49160 | 56990 | 63400 | 70680 | 78880 | 87730 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 46 TO 49 | 23260 | 30400 | 42140 | 54620 | 64450 | 74170 | 85110 | 97250 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 42 TO 45 | 32620 | 44150 | 60850 | 75480 | 90500 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |
| 41 OR LESS | 50540 | 66850 | 90710 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 | 100580 |

TABLE 1-b (Continued)

NR 212.00

| | | | | Flo | w at Rapio | (riv | TABLE PER DAY ver mile 7 Dam (cfs | 7 OF BOI 3.0 to 0.0) | 5 | y average |) | | | | |
|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--|-------------------------|-----------------|----------------|------------------|------------------|------------------|------------------|------------------|
| Flow (cfs) | 750 Or | 751 To | 1001 T- | 1251 | 1501 | 1751 To | 2001 | 2251 To | 2501 To | 2751 | 3001 | 3501 | 4001 | 5001 | 8001 |
| Temp °F | Less | 1000 | То 1250 | То 1500 | То 1750 | 2000 | То 2250 | 10 2500 | 10 2750 | То 3000 | То 3500 | То 4000 | То 5000 | То 8000 | Or More |
| (Previous Day Average) | | | | | | | N | IAY – JUI | NE | | | | | | |
| | | | | А | | | | | | | | | | | |
| 86 OR | | | | | | | | | | 1 | | | | | |
| GREATER | 30750 | 30750 | 30750 | 30750 | 30750 | 30750 | 30750 | 30750 | 40850 | 53610 | 76790 | 115120 | 146430 | 146430 | 146430 |
| 82 TO 85 | 30750 | 30750 | 30750 | 30750 | 30750 | 30750 | 30750 | 34900 | 45170 | 57470 | 79680 | 116190 | 146430 | 146430 | 146430 |
| 78 TO 81 | 30750 | 30750 | 30750 | 30750 | 30750 | 30750 | 34270 | 42680 | 52900 | 64900 74710 | 86230 | 120710 | 146430 | 146430 | 146430 |
| 74 TO 77 70 TO 73 | 30750 30750 | 30750 30750 | 30750 30750 | 30750 30750 | 30750 35840 | 35050 43520 | 42600 52590 | 51730 63000 | 62450 74760 | 74710 87820 | 95970 109830 | 129530 143550 | 146430 146430 | 146430 146430 | 146430 146430 |
| 66 TO 69 | 30750 | 30750 | 30750 | 35230 | 44060 | 54050 | 65170 | 77420 | 90750 | 105170 | 109850 | 145550 | 146430 | 146430 | 146430 |
| 60 TO 69 | 30750 | 30750 | 31830 | 42800 | 44060 54720 | 54050 67560 | 81290 | 95910 | 90750 111380 | 105170 | 128740 | 146430 | 146430 | 146430 | 146430 |
| 62 TO 63 58 TO 61 | 30750 | 30750 | 38350 | 42800 53200 | 68750 | 84980 | 101880 | 119410 | 137560 | 127080 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 54 TO 57 | 30750 | 30750 | 48080 | 67350 | 87080 | 107260 | 127860 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 50 TO 53 | 30750 | 37970 | 61960 | 86190 | 110650 | 135320 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 46 TO 49 | 30750 | 51180 | 80920 | 110660 | 140400 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 42 TO 45 | 44490 | 69850 | 105880 | 141690 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 41 OR LESS | 64630 | 94910 | 137800 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| (Previous Day | | | | | | | | | | | | | | | |
| Average) | | | | | | | JUI | X – AUG | UST | | | | | | |
| | | | | А | | | | | | | | | | | |
| 86 OR | 57100 | 52000 | 401.50 | | 12120 | 12520 | 12650 | 45020 | 10200 | | (2100 | | 10/550 | 146400 | 146420 |
| GREATER | 57130 | 52880 | 48150 | 44920 | 43130 | 42730 | 43650 | 45830 | 49200 | 53720 | 62490 | 77590 | 106550 | 146430 | 146430 |
| 82 TO 85 | 54020 | 50450 | 46650 | 44340 | 43460 | 43940 | 45710 | 48730 | 52930 | 58250 | 68180 | 84760 | 115790 | 146430 | 146430 146430 |
| 78 TO 81 | 49840 | 47400 | 45190 | 44430 | 45060 | 47030 | 50270 | 54710 | 60300 | 66970 | 78890 | 97990 | 132570 | 146430 | |
| 74 TO 77 | 46630 | 45390 | 44860 | 45750 | 48010 | 51560 | 56350 | 62310 | 69390 80220 | 77530 | 91570 | 113400 | 146430 | 146430 | 146430 |
| 70 TO 73 | 44390 42830 | 44410 45590 | 45670 50700 | 48310 | 52280 64840 | 57520 | 63960 83780 | 71550 94910 | 80220 107050 | 89910 | 106220 | 130970 | 146430 146430 | 146430 | 146430 |
| 62 TO 65 61 OR LESS | 42850 | 43390 | 54930 | 57140 63410 | 73120 | 73740 84000 | 85780 95990 | | 123050 | 120140 | 141440 146430 | 146430 146430 | 146430 | 146430 146430 | 146430 146430 |
| (Previous Day | 45510 | 47740 | 54950 | 05410 | 73120 | 84000 | | | | | 140430 | 140450 | 140430 | 140450 | 140450 |
| Average) | | | | | | | SEPTEN | IBER – O | CTOBER | 2 | | | | | |
| 86 OR GREATER | 30750 | 30750 | 30750 | 30750 | 36420 | 46400 | 57180 | 68680 | 80820 | 93520 | 113440 | 141190 | 146430 | 146430 | 146430 |
| 82 TO 85 | 30750 | 30750 | 30750 | 31260 | 38930 | 47480 | 56840 | 66910 | 77630 | 88890 | 106660 | 131540 | 146430 | 146430 | 146430 |
| 78 TO 81 | 30750 | 30750 | 30750 | 35830 | 41960 | 48970 | 56770 | 65290 | 74440 | 84150 | 99570 | 121310 | 146430 | 146430 | 146430 |
| 74 TO 77 | 30750 | 31200 | 34690 | 39210 | 44690 | 51050 | 58190 | 66050 | 74550 | 83590 | 98000 | 118380 | 146430 | 146430 | 146430 |
| 70 TO 73 | 31980 | 33930 | 37670 | 42440 | 48170 | 54760 | 62150 | 70240 | 78960 | 88230 | 102980 | 123800 | 146430 | 146430 | 146430 |
| 66 TO 69 | 32990 | 35750 | 40640 | 46550 | 53410 | 61140 | 69660 | 78880 | 88730 | 99120 | 115550 | 138590 | 146430 | 146430 | 146430 |
| 62 TO 65 | 33500 | 37700 | 44620 | 52570 | 61470 | 71230 | 81770 | 93020 | 104890 | 117300 | 136740 | 146430 | 146430 | 146430 | 146430 |
| 58 TO 61 | 34550 | 40800 | 50660 | 61540 | 73370 | 86050 | 99520 | 113680 | 128470 | 143790 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 54 TO 57 | 37170 | 46100 | 59790 | 74500 | 90140 | 106650 | 123930 | 141910 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 50 TO 53 | 42390 | 54630 | 73040 | 92470 | 112840 | 134060 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 46 TO 49 | 51250 | 67430 | 91460 | 116500 | 142480 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 42 TO 45 | 64790 | 85520 | 116070 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |
| 41 OR LESS | 84030 | 109960 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 | 146430 |

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http://docs.legis.wisconsin.gov/code/admin_code DEPARTMENT OF NATURAL RESOURCES

NR 212.00

TABLE 1-m

LBS PER DAY OF BOD₅

(river mile 205.3 to 171.9)

Previous Day Average Flow at Biron Dam (cfs)

| FLOW (cfs) | 0 To | 1000 To | 1200 To | 1500 To | 2000 To | 2500 То | 3000 To | 4000 To | 5000 To | 6000 Or |
|-------------------------|--------|---------|---------|---------|---------|------------|---------|---------|---------|---------|
| Temp ° F | 999 | 1199 | 1499 | 1999 | 2499 | 2999 | 3999 | 4999 | 5999 | More |
| Previous Day Average | | | | | MA | Y – JUNE | | | | |
| 82 OR GREATER | 14090 | 19450 | 24280 | 32740 | 43710 | 56020 | 57890 | 109930 | 126010 | 126010 |
| 78 TO 81 | 14270 | 20150 | 25460 | 34860 | 47570 | 61490 | 63040 | 124130 | 126010 | 126010 |
| 74 TO 77 | 14430 | 20840 | 26730 | 37330 | 51730 | 67770 | 69550 | 126010 | 126010 | 126010 |
| 70 TO 73 | 15060 | 22070 | 28570 | 40280 | 56940 | 76260 | 78310 | 126010 | 126010 | 126010 |
| 66 TO 69 | 17220 | 25400 | 33030 | 46930 | 67170 | 90740 | 92900 | 126010 | 126010 | 126010 |
| 62 TO 65 | 20420 | 30380 | 39740 | 57380 | 83000 | 113150 | 116070 | 126010 | 126010 | 126010 |
| 58 TO 61 | 25230 | 37960 | 50230 | 73270 | 107730 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 54 TO 57 | 32780 | 50170 | 67460 | 98190 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 50 TO 53 | 44980 | 70700 | 96520 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 46 TO 49 | 65950 | 105300 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 42 TO 45 | 104080 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 41 OR LESS | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |
| Previous Day Average | | | | | JULY | -AUGUST | | | | |
| 82 OR GREATER | 10220 | 12730 | 15260 | 20280 | 27850 | 36910 | 37990 | 77790 | 106430 | 121800 |
| 78 TO 81 | 10220 | 13400 | 16750 | 23250 | 32790 | 44090 | 45460 | 95180 | 126010 | 126010 |
| 74 TO 77 | 10220 | 14460 | 18710 | 26700 | 38440 | 52210 | 53520 | 116110 | 126010 | 126010 |
| 70 TO 73 | 10770 | 15940 | 20990 | 30630 | 44740 | 61400 | 63240 | 126010 | 126010 | 126010 |
| 66 TO 69 | 13080 | 19510 | 25890 | 37870 | 55600 | 76530 | 78600 | 126010 | 126010 | 126010 |
| 62 TO 65 | 16210 | 24690 | 32910 | 48560 | 71670 | 99270 | 102140 | 126010 | 126010 | 126010 |
| 61 OR LESS | 20900 | 32370 | 43510 | 64910 | 90410 | 126010 | 126010 | 126010 | 126010 | 126010 |
| Previous Day Average | | | | | SEPTEMB | ER – OCTOB | ER | | | |
| 82 OR GREATER | 10220 | 10220 | 10220 | 11890 | 17810 | 24650 | 25520 | 54880 | 76010 | 87260 |
| 78 TO 81 | 10220 | 10220 | 10220 | 14100 | 21750 | 30380 | 31340 | 69790 | 97910 | 113060 |
| 74 TO 77 | 10220 | 10220 | 10880 | 17140 | 26390 | 37320 | 38460 | 89310 | 122210 | 126010 |
| 70 TO 73 | 10220 | 10220 | 13270 | 20940 | 32350 | 45880 | 47080 | 110380 | 126010 | 126010 |
| 66 TO 69 | 10220 | 12590 | 17740 | 27700 | 42400 | 59880 | 61710 | 126010 | 126010 | 126010 |
| 62 TO 65 | 10220 | 17080 | 24020 | 37280 | 57030 | 80460 | 82480 | 126010 | 126010 | 126010 |
| 58 TO 61 | 14260 | 23670 | 33250 | 51710 | 79170 | 111910 | 115150 | 126010 | 126010 | 126010 |
| 54 TO 57 | 20210 | 34030 | 47890 | 74560 | 114650 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 50 TO 53 | 30240 | 51240 | 72530 | 113710 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 46 TO 49 | 47330 | 80810 | 114710 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 42 TO 45 | 78580 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |
| 41 OR LESS | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 | 126010 |

(river mile 271.2 to 258.5)

Previous Day Average Flow at Rothschild Dam (cfs)

| Textrare A Previous Day A $78+$ 4773 6406 5804 74 7773 5644 5804 5350 70 70 5964 6492 5350 70 70 5544 5873 6516 62 70 5544 5833 5436 58 7277 6700 7449 58 7277 6700 7449 58 7277 6700 7449 58 7277 6897 7241 54 7235 7548 7363 58 70576 8063 9254 12140 41 OR less 15874 22234 25056 Previous Day A 7241 6295 70 OR more 5657 7241 6295 700 7736 6885 6897 661069 5743 6897 | 1470 1730 | 1731 To 1990 | 1991 To 2260 | 2261 To 2540 | 2541 To 2830 | 2831 To 3130 | 3131 To 3430 | 3431 To 3780 | 3781 To 4230 | 4231 To 4730 | 4731 To 5250 | 5251 To 5780 | 5781 To 6340 | 6341 To 6910 | 6911 Or More |
|---|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| A 4773 6406 5964 6492 5644 5853 5644 5853 5644 5853 7277 6700 6897 7842 6897 7842 6897 7842 7825 7707 8063 9254 10187 13750 15874 22234 10187 13750 15874 22234 6909 6086 6283 5743 6885 5743 6885 | | | | | | | | | | | | | | | |
| 4773 6406 5964 6492 5644 5853 5544 5853 5252 6578 5252 6578 7277 6700 6897 7842 7277 6700 6897 7842 7277 6700 6897 7842 7855 7707 8235 7548 7855 7707 8063 9254 10187 13750 15874 22234 A 7241 6774 6909 6086 6283 5743 6885 7363 7020 | ß | | , | | | MAY - | – JUNE | U | | | | | | | |
| 5964 6492 5644 5853 5252 6578 5252 6578 7277 6700 6897 7842 7277 6700 6897 7842 7277 6700 6897 7842 7277 6700 6897 7842 7255 7707 8063 9254 10187 13750 10187 13750 15874 22234 A A A 6909 6086 6283 6086 6283 5743 6885 7363 7020 | 4945 | 5338 | 6185 | 5632 | 5264 | 4957 | 5031 | 4994 | 5411 | 6246 | 7376 | 9033 | 11145 | 13085 | 14769 |
| 5644 5853 5252 6578 5252 6578 7277 6700 6897 7842 6897 7842 8235 7548 7855 7707 8235 7548 7855 7707 8063 9254 10187 13750 10187 13750 15874 22234 6774 6909 6086 6283 6086 6283 7363 7020 | 5215 | 4576 | 5841 | 5509 | 5202 | 5190 | 5325 | 5780 | 6627 | 8137 | 10114 | 12852 | 14290 | 16476 | 18907 |
| 5252 6578 7277 6700 6897 7842 6897 7842 6897 7842 7855 7707 8063 9254 10187 13750 10187 13750 15874 22234 A 1 66774 6909 6086 6283 5573 7241 5657 7241 5743 6885 7363 7020 | 5620 | 6381 | 5927 | 5706 | 5755 | 6013 | 6516 | 7277 | 8628 | 10801 | 13085 | 15174 | 17618 | 20356 | 22897 |
| 7277 6700 6897 7842 6897 7842 8235 7548 7855 7548 7855 7548 7855 754 8063 9254 10187 13750 15874 22234 A 7241 6674 6909 6086 6283 5743 6885 7363 7020 | 7118 | 6639 | 6344 | 6565 | 6737 | 7302 | 8247 | 9438 | 11477 | 13566 | 16009 | 18723 | 21731 | 25056 | 25056 |
| 6897 7842 8235 7548 8063 9254 10187 13750 15874 22234 A ▲ A 5657 7241 6774 6909 6086 6283 5743 6885 7720 | 6958 | 6725 | 6629 | 7253 | 8076 | 9266 | 10814 | 13011 | 14524 | 17347 | 20503 | 24039 | 25056 | 25056 | 25056 |
| 8235 7548 7855 7707 8063 9254 10187 13750 15874 22234 A A A 5657 7241 6909 6086 6283 5743 6885 5743 6885 | 7056 | 7290 | 7916 | 9082 | 10752 | 13085 | 14413 | 16500 | 19361 | 23180 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 7855 7707 8063 9254 10187 13750 15874 22234 A A 5657 7241 6909 6086 6283 5743 6885 5743 6885 | 7793 | 8849 | 10580 | 13085 | 14855 | 17298 | 20000 | 22959 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 8063 9254 10187 13750 15874 22234 A A A 5657 7241 6909 6086 6283 5743 6885 7720 | 10151 | 13085 | 15150 | 18109 | 21411 | 25021 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 10187 13750 15874 22234 A 5657 7241 6774 6909 6086 6283 5743 6885 7723 7020 | 0 14978 | 18600 | 22713 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 15874 22234 A 5657 7241 6774 6909 6086 6283 5743 6885 7363 7020 | 2 23339 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| A 5657 7241 6774 6909 6086 6283 5743 6885 7720 | 5 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| A 5657 6774 6909 6086 6283 5743 685 7363 7020 | | | | | | JULY - AUGUST | UGUST | | | | | | | | |
| 5657 7241 6774 6909 6086 6283 5743 6885 7363 7020 | в | | | | | | | с | | | | | | | ŧ |
| 6774 6909 6086 6283 5743 6885 7363 7020 | 5448 | 5865 | 6737 | 6197 | 5902 | 5657 | 5681 | 5865 | 6258 | 7167 | 8407 | 10003 | 12275 | 13603 | 15408 |
| 6086 6283 5743 6885 7363 7020 | 6258 | 6934 | 6381 | 6025 | 5865 | 5902 | 6136 | 6590 | 7572 | 9045 | 11170 | 13085 | 14929 | 17071 | 19472 |
| 5743 6885 7363 7020 | 6774 | 6835 | 6418 | 6283 | 6369 | 6688 | 7253 | 8051 | 9451 | 11783 | 13566 | 15751 | 18170 | 20871 | 23843 |
| 7363 7020 | 7449 | 7032 | 6897 | 7044 | 7339 | 7990 | 8923 | 10151 | 12324 | 14118 | 16537 | 19238 | 22197 | 25056 | 25056 |
| | 7327 | 7179 | 7302 | 7793 | 8689 | 9893 | 11587 | 13085 | 15051 | 17875 | 20994 | 24481 | 25056 | 25056 | 25056 |
| 58 TO 61 7130 8088 7609 | 7449 | 7744 | 8493 | 9696 | 11489 | 13085 | 14953 | 17028 | 19864 | 23671 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 54 TO 57 8456 7842 7793 | 8284 | 9414 | 11280 | 13173 | 15408 | 17839 | 20540 | 23486 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 50 TO 53 8149 8100 8960 | 10838 | 13085 | 15714 | 18698 | 22001 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 46 TO 49 8456 9831 12950 | 0 15579 | 19226 | 23351 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 42 TO 45 10764 13824 18882 | 2 24076 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 41 OR less 16599 23044 25056 | 5 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |

WISCONSIN ADMINISTRATIVE CODE

| (Continued) | |
|-------------|--|
| TABLE 2-m | |

| | | | | | | | | | , | | | | | | | | | |
|-------------------------|-------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| FLOW (cfs) | 0 To 980 | 981 To 1320 | 1221 To 1470 | 1471 To 1730 | 1731 To 1990 | 1991 To 2260 | 2261 To 2540 | 2541 To 2830 | 2831 To 3130 | 3131 To 3430 | 3431 To 3780 | 3781 To 4230 | 4231 To 4730 | 4731 To 5250 | 5251 To 5780 | 5781 To 6340 | 6341 To 6910 | 6911 Or More |
| TEMP°F | 80 | | | | | | | | | | 0000 | | 22 | | 2012 | | | 2.0011 |
| Previous Day Average | | A | | ۵ | | | | | SEPTI | SEPTEMBER | o | | | | | | | |
| 78 OR more | 4576 | 5362 | 4883 | 4576 | 4576 | 4932 | 4576 | 4576 | 4576 | 4576 | 4576 | 4576 | 4576 | 5767 | 7339 | 9365 | 12326 | 13738 |
| 74 TO 77 | 4969 | 5755 | 4576 | 4576 | 5338 | 4576 | 4576 | 4576 | 4576 | 4576 | 4576 | 5031 | 6651 | 8640 | 11182 | 13308 | 15555 | 18035 |
| 70 TO 73 | 4908 | 5178 | 5583 | 5608 | 5485 | 4883 | 4576 | 4576 | 4797 | 5288 | 6025 | 7314 | 9451 | 12706 | 14278 | 16807 | 19607 | 22688 |
| 66 TO 69 | 4736 | 5902 | 5743 | 6283 | 5694 | 5509 | 5620 | 5780 | 6234 | 7118 | 8333 | 10335 | 13085 | 15199 | 18023 | 21092 | 24481 | 25056 |
| 62 TO 65 | 6467 | 6430 | 6725 | 6148 | 5865 | 6013 | 6393 | 7106 | 8260 | 9782 | 11833 | 13775 | 16660 | 19864 | 23450 | 25056 | 25056 | 25056 |
| 58 TO 61 | 6369 | 7142 | 6504 | 6283 | 6418 | 7081 | 8149 | 0770 | 12029 | 13676 | 15788 | 18686 | 22578 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 54 TO 57 | 7634 | 6811 | 6541 | 6934 | 7928 | 9623 | 12485 | 14106 | 16562 | 19300 | 22283 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 50 TO 53 | 7142 | 6872 | 7523 | 9156 | 11906 | 14327 | 17323 | 20650 | 24297 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 46 TO 49 | 7118 | 8223 | 10838 | 14057 | 17704 | 21841 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 42 TO 45 | 8947 | 13085 | 17139 | 22320 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 41 OR less | 14560 | 20957 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| Previous Day | | | | | | | | | OCTOBER | BER | | | | | | | | |
| Average | | A | | В | | | | | | | С | | | | | | | 4 |
| 78 OR more | 4576 | 4638 | 4576 | 4687 | 4576 | 4699 | 4576 | 4576 | 4576 | 4576 | 4576 | 4576 | 4576 | 4871 | 6418 | 8358 | 11110 | 13085 |
| 74 TO 77 | 4576 | 5583 | 4576 | 4576 | 4994 | 4576 | 4576 | 4576 | 4576 | 4576 | 4576 | 4576 | 5878 | 7719 | 10114 | 13394 | 14843 | 17311 |
| 70 TO 73 | 4576 | 4896 | 5288 | 5841 | 5080 | 4576 | 4576 | 4576 | 4576 | 4699 | 5460 | 6602 | 8677 | 13001 | 13701 | 16181 | 18956 | 22013 |
| 66 TO 69 | 4576 | 5730 | 5485 | 6050 | 5448 | 5117 | 5252 | 5313 | 5792 | 6578 | T0TT | 9610 | 12729 | 14708 | 17458 | 20503 | 23879 | 25056 |
| 62 TO 65 | 6160 | 7363 | 6479 | 5915 | 5583 | 5583 | 5890 | 6664 | 7744 | 9230 | 11157 | 13308 | 16157 | 19337 | 22909 | 25056 | 25056 | 25056 |
| 58 TO 61 | 8051 | 6934 | 6295 | 5988 | 6074 | 6627 | 7695 | 9254 | 11391 | 13234 | 15322 | 18195 | 22062 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 54 TO 57 | 7449 | 6614 | 6283 | 6590 | 7535 | 9156 | 11884 | 13676 | 16120 | 18833 | 21792 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 50 TO 53 | 6069 | 6565 | 7155 | 8702 | 11317 | 13897 | 16869 | 20184 | 23793 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 46 TO 49 | 6823 | 7805 | 10335 | 13615 | 17249 | 21350 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 42 TO 45 | 8505 | 12717 | 16648 | 21792 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| 41 OR less | 14057 | 20405 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 | 25056 |
| | | | | | | | | | | | | | · | · | | | · | |

DEPARTMENT OF NATURAL RESOURCES

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| | |

LBS PER DAY OF BOD5

(river mile 258.4 to 258.2)

| (cfs) |
|------------|
| Dam |
| Rothschild |
| at |
| Flow |
| Average |
| Day |
| Previous |

| FLOW (cfs) | | | 1221 | 1471 | 1731 | 1991 | 2261 | 2541 | 2831 | | | 3781 | 4231 | 4731 | 5251 | 5781 | 6341 | 6911 |
|---------------------------|-------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TEMP • F | 0_10 980 | 981 10 1220 | To 1470 | To 1730 | To 1990 | To 2260 | To 2540 | To 2830 | To 3130 | To 3430 | To 3780 | To 4230 | To 4730 | To 5250 | To 5780 | To 6340 | To 6910 | Or More |
| Previous Day Aver- age | | A | | В | | | | | MA | MAY – JUNE | С | | | | | | | |
| 78 OR more | 1268 | 1231 | 1275 | 1370 | 1438 | 1483 | 1561 | 1659 | 1785 | 1918 | 2084 | 2299 | 2584 | 2907 | 3251 | 3376 | 4145 | 4366 |
| 74 TO 77 | 1173 | 1187 | 1292 | 1408 | 1554 | 1547 | 1666 | 1819 | 1989 | 2186 | 2394 | 2676 | 3043 | 3376 | 3376 | 4233 | 4838 | 5512 |
| 70 TO 73 | 1115 | 1173 | 1302 | 1421 | 1493 | 1632 | 1802 | 1999 | 2054 | 2469 | 2730 | 3081 | 3376 | 2900 | 4478 | 5155 | 5913 | 6617 |
| 66 TO 69 | 1132 | 1211 | 1360 | 1476 | 1629 | 1826 | 2050 | 2305 | 2588 | 2887 | 3210 | 3376 | 4033 | 4709 | 5461 | 6294 | 7215 | 7300 |
| 62 TO 65 | 1156 | 1343 | 1476 | 1653 | 1877 | 2142 | 2441 | 2771 | 3121 | 3376 | 3376 | 4298 | 5080 | 5954 | 6933 | 7300 | 7300 | 7300 |
| 58 TO 61 | 1302 | 1479 | 1690 | 1959 | 2278 | 2645 | 3043 | 3376 | 3376 | 4267 | 4845 | 5637 | 6695 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 54 TO 57 | 1483 | 1731 | 2071 | 2472 | 2924 | 3376 | 3376 | 4390 | 5066 | 5814 | 6634 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 50 TO 53 | 1768 | 2190 | 2707 | 3288 | 3376 | 4471 | 5291 | 6205 | 7205 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 46 TO 49 | 2305 | 2975 | 3376 | 4424 | 5427 | 6566 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 42 TO 45 | 3240 | 4084 | 5311 | 6739 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 41 OR less | 4672 | 6433 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| Previous Day Aver- age | ٩ | | | В | | | | | JULY | - AUGUST | о Е | | | | | | | |
| 78 OR more | 1374 | 1364 | 1442 | 1554 | 1629 | 1663 | 1748 | 1850 | 1979 | 2118 | 2275 | 2492 | 2775 | 3087 | 3376 | 3376 | 4043 | 4543 |
| 74 TO 77 | 1285 | 1333 | 1452 | 1554 | 1619 | 1717 | 1846 | 1999 | 2169 | 2363 | 2574 | 2846 | 3213 | 3376 | 4145 | 4410 | 5005 | 5568 |
| 70 TO 73 | 1234 | 1316 | 1459 | 1554 | 1653 | 1799 | 1972 | 2173 | 2390 | 635 | 2897 | 3244 | 3376 | 4033 | 4638 | 5308 | 6056 | 6878 |
| 66 TO 69 | 1245 | 1347 | 1506 | 1622 | 1782 | 1976 | 2207 | 2462 | 2737 | 3040 | 3359 | 3376 | 4186 | 4855 | 5603 | 6423 | 7300 | 7300 |
| 62 TO 65 | 1268 | 1476 | 1608 | 1792 | 2020 | 2285 | 2588 | 2914 | 3264 | 3376 | 4145 | 4444 | 5226 | 0609 | 7055 | 7300 | 7300 | 7300 |
| 58 TO 61 | 1421 | 1605 | 1819 | 2098 | 2421 | 2785 | 3186 | 3376 | 3805 | 4417 | 4991 | 5777 | 6831 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 54 TO 57 | 1598 | 1860 | 2203 | 2611 | 3067 | 3376 | 3924 | 4543 | 5216 | 5964 | 6780 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 50 TO 53 | 1891 | 2326 | 2846 | 3376 | 3801 | 4628 | 5454 | 6368 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 46 TO 49 | 2441 | 3121 | 3376 | 4590 | 5600 | 6742 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 42 TO 45 | 3376 | 4104 | 5505 | 6943 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 41 OR less | 4872 | 6657 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |

WISCONSIN ADMINISTRATIVE CODE

DEPARTMENT OF NATURAL RESOURCES

NR 212.00

| 6911 Or More | | 4080 | 5270 | 6559 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | l | 3625 | 5070 | 6372 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
|------------------------|---------------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|---------------------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|
| 6341 To 6910 | | 3376 | 4583 | 5705 | 7055 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | | 3376 | 4386 | 5525 | 6889 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 5781 To 6340 | | 3346 | 3961 | 4930 | 6117 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | | 3172 | 3376 | 4757 | 5954 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 5251 To 5780 | | 2962 | 3376 | 4230 | 5267 | 6770 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | | 2788 | 3376 | 4070 | 5110 | 6620 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 4731 To 5250 | | 2598 | 3176 | 3376 | 4498 | 5777 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 | | 2435 | 3026 | 3376 | 4349 | 5631 | 7300 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 4231 To 4730 | | 2265 | 2761 | 3298 | 3376 | 4889 | 6528 | 7300 | 7300 | 7300 | 7300 | 7300 | | 2095 | 2611 | 3159 | 3376 | 4750 | 6385 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 3781 To 4230 | | 1952 | 2390 | 2826 | 3376 | 4090 | 5450 | 7300 | 7300 | 7300 | 7300 | 7300 | | 1789 | 2231 | 2690 | 3288 | 3961 | 5314 | 7300 | 7300 | 7300 | 7300 | 7300 |
| 3431 To 3780 | C | 1714 | 2088 | 2458 | 2979 | 3376 | 4648 | 6447 | 7300 | 7300 | 7300 | 7300 | U | 1557 | 1942 | 2319 | 2856 | 3376 | 4519 | 6311 | 7300 | 7300 | 7300 | 7300 |
| 3131 To 3430 | SEPTEMBER | 1547 | 1857 | 2186 | 2649 | 3288 | 4063 | 5620 | 7300 | 7300 | 7300 | 7300 | OCTOBER | 1394 | 1707 | 2050 | 2523 | 3172 | 3941 | 5491 | 7300 | 7300 | 7300 | 7300 |
| 2831 To 3130 | SEP | 1394 | 1656 | 1931 | 2336 | 2900 | 3376 | 4862 | 7004 | 7300 | 7300 | 7300 | 00 | 1231 | 1506 | 1802 | 2210 | 2788 | 3376 | 4740 | 6865 | 7300 | 7300 | 7300 |
| 2541 To 2830 | | 1248 | 1466 | 1697 | 2040 | 2540 | 3264 | 4182 | 5994 | 7300 | 7300 | 7300 | | 1102 | 1330 | 1568 | 1921 | 2428 | 3155 | 4063 | 5865 | 7300 | 7300 | 7300 |
| 2261 To 2540 | | 1136 | 1302 | 1486 | 1775 | 2197 | 2826 | 3376 | 5073 | 7300 | 7300 | 7300 | 1 | 1030 | 1166 | 1357 | 1653 | 2091 | 2720 | 3376 | 4947 | 7300 | 7300 | 7300 |
| 1991 To 2260 | | 1030 | 1156 | 1296 | 1534 | 1884 | 2414 | 3206 | 4243 | 6324 | 7300 | 7300 | | 1030 | 1030 | 1163 | 1418 | 1778 | 2312 | 3101 | 4124 | 6188 | 7300 | 7300 |
| 1731 To 1990 | | 1030 | 1030 | 1129 | 1326 | 1608 | 2040 | 2700 | 3376 | 5178 | 7300 | 7300 | | 1030 | 1030 | 1030 | 1207 | 1500 | 1935 | 2594 | 3376 | 5053 | 7300 | 7300 |
| 1471 To 1730 | В | 1030 | 1030 | 1030 | 1146 | 1367 | 1700 | 2231 | 3053 | 4169 | 6457 | 7300 | В | 1030 | 1030 | 1030 | 1030 | 1258 | 1602 | 2129 | 2951 | 4046 | 6311 | 7300 |
| 1221 To 1470 | | 1030 | 1030 | 1030 | 1044 | 1163 | 1411 | 1812 | 2455 | 3376 | 5022 | 7300 | | 1030 | 1030 | 1030 | 1030 | 1054 | 1309 | 1710 | 2353 | 3373 | 4886 | 7300 |
| 981 To 1220 | A | 1030 | 1030 | 1030 | 1030 | 1030 | 1170 | 1449 | 1918 | 2700 | 3376 | 6079 | A | 1030 | 1030 | 1030 | 1030 | 1030 | 1068 | 1350 | 1819 | 2598 | 3376 | 5926 |
| 0 To 980 | | 1030 | 1030 | 1030 | 1030 | 1030 | 1030 | 1156 | 1462 | 2003 | 2928 | 4308 | | 1030 | 1030 | 1030 | 1030 | 1030 | 1030 | 1058 | 1367 | 1901 | 2812 | 4169 |
| FLOW (cfs) TEMP ° F | Previous Day Aver- age | 78 OR more | 74 TO 77 | 70 TO 73 | 66 TO 69 | 62 TO 65 | 58 TO 61 | 54 TO 57 | 50 TO 53 | 46 TO 49 | 42 TO 45 | 41 OR less | Previous Day Aver- age | 78 OR more | 74 TO 77 | 70 TO 73 | 66 TO 69 | 62 TO 65 | 58 TO 61 | 54 TO 57 | 50 TO 53 | 46 TO 49 | 42 TO 45 | 41 OR less |

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LBS PER DAY OF BOD5 (river mile 258.19 to 249.0)

Previous Day Average Flow at Rothschild Dam (cfs)

| FLOW (cfs) TEMP ° F | 0 To 980 | 981 To 1220 | 1221 To 1470 | 1471 To 1730 | 1731 To 1990 | 1991 To 2260 | 2261 To 2540 | 2541 To 2830 | 2831 To 3130 | 3131 To 3430 | 3431 To 3780 | 3781 To 4230 | 4231 To 4730 | 4731 To 5250 | 5251 To 5780 | 5781 To 6340 | 6341 To 6910 | 6911 Or More |
|---------------------------|-------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Previous Day Aver- age | | A | | В | | | | | W | MAY – JUNE | C | | | | | | | |
| | ↓ | | | | | | | | | | | | | | | | | |
| 78 OR more | 4044 | 3872 | 4075 | 4515 | 4828 | 5032 | 5393 | 5848 | 6428 | 7039 | 7808 | 8796 | 10113 | 11603 | 13187 | 14959 | 17311 | 19462 |
| 74 TO 77 | 3605 | 3668 | 4154 | 4687 | 5361 | 5330 | 5879 | 6585 | 7369 | 8278 | 9235 | 10536 | 12230 | 14081 | 16245 | 18851 | 21642 | 24747 |
| 70 TO 73 | 3338 | 3605 | 4201 | 4750 | 5079 | 5722 | 6506 | 7416 | 7667 | 9580 | 10787 | 12403 | 14551 | 17311 | 19980 | 23101 | 26598 | 29844 |
| 66 TO 69 | 3417 | 3778 | 4468 | 5001 | 5706 | 6616 | 7651 | 8827 | 10129 | 11509 | 12999 | 15037 | 17926 | 21046 | 24512 | 28354 | 31864 | 31864 |
| 62 TO 65 | 3527 | 4389 | 5001 | 5816 | 6851 | 8074 | 9454 | 10976 | 12591 | 14363 | 16386 | 19149 | 22756 | 26786 | 31302 | 31864 | 31864 | 31864 |
| 58 TO 61 | 4201 | 5016 | 5989 | 7228 | 8702 | 10395 | 12230 | 14237 | 16558 | 19008 | 21674 | 25328 | 30205 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 54 TO 57 | 5032 | 6177 | 7745 | 9596 | 11681 | 13987 | 16778 | 19572 | 22693 | 26143 | 29922 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 50 TO 53 | 6349 | 8294 | 10678 | 13359 | 16511 | 19949 | 23728 | 27946 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 46 TO 49 | 8827 | 11916 | 15555 | 19729 | 24355 | 29609 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 42 TO 45 | 13140 | 18161 | 23822 | 30408 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 41 OR less | 20874 | 28997 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| Previous Day Aver- age | | A | | В | | | | | rınt | JULY – AUGUST | ST C | | | | | | | |
| 78 OR more | 4530 | 4483 | 4844 | 5361 | 5706 | 5863 | 6255 | 6726 | 7322 | 7695 | 8686 | 0696 | 10991 | 12434 | 14018 | 15806 | 17973 | 20278 |
| 74 TO 77 | 4123 | 4342 | 4891 | 5361 | 5659 | 6114 | 6710 | 7416 | 8200 | 9094 | 10066 | 11321 | 13014 | 14896 | 17311 | 19666 | 22411 | 25469 |
| 70 TO 73 | 3887 | 4264 | 4922 | 5361 | 5816 | 6491 | 7290 | 8216 | 9219 | 10348 | 11556 | 13155 | 15335 | 17926 | 20717 | 23806 | 27256 | 31051 |
| 66 TO 69 | 3934 | 4405 | 5142 | 5675 | 6412 | 7306 | 8372 | 9549 | 10819 | 12214 | 13689 | 15774 | 18631 | 21721 | 25171 | 28950 | 31864 | 31864 |
| 62 TO 65 | 4044 | 5001 | 5612 | 6459 | 7510 | 8733 | 10129 | 11634 | 13249 | 15069 | 17311 | 19823 | 23430 | 27413 | 31864 | 31864 | 31864 | 31864 |
| 58 TO 61 | 4750 | 5597 | 6585 | 7871 | 9360 | 11038 | 12889 | 14927 | 17311 | 19698 | 22348 | 25970 | 30832 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 54 TO 57 | 5565 | 6773 | 8357 | 10239 | 12340 | 14677 | 17424 | 20278 | 23383 | 26833 | 30597 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 50 TO 53 | 6914 | 8921 | 11321 | 14018 | 17311 | 20670 | 24481 | 28699 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 46 TO 49 | 9454 | 12591 | 16355 | 20497 | 25155 | 30424 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 42 TO 45 | 13877 | 18255 | 24716 | 31349 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 41 OR less | 21799 | 30032 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |

File inserted into Admin. Code 9–1–2016. May not be current beginning 1 month after insert date. For current adm. code see: http://docs.legis.wisconsin.gov/code/admin_code

NR 212.00

WISCONSIN ADMINISTRATIVE CODE

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| File inserted into Admin. Code 9-1-2016. May not be current beginning 1 month after insert date. Fo | r current adm. code see: |
|---|--------------------------|
| http://docs.legis.wisconsin.gov/code/admin_code | |
| DEPARTMENT OF NATURAL RESOURCES | NR 212.00 |

| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | TAB | TABLE 4–m (Continued) | Continued) | | | | | | | | | |
|---|---------------------------|-------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| A B SETTIMBRA C 296 2946 2946 2446 3433 950 4624 5330 606 7106 11854 1566 5463 296 2946 2946 3403 3232 4204 5323 6533 8533 7390 7386 15863 1563 2946 2946 3603 4903 5633 8532 600 1712 8573 7390 7386 31864 | FLOW (cfs) TEMP ° F | | 981 To 1220 | 1221 To 1470 | 1471 To 1730 | 1731 To 1990 | 1991 To 2260 | 2261 To 2540 | 2541 To 2830 | 2831 To 3130 | 3131 To 3430 | 3431 To 3780 | 3781 To 4230 | 4231 To 4730 | 4731 To 5250 | 5251 To 5780 | 5781 To 6340 | 6341 To 6910 | 6911 Or More |
| 346 346 346 346 343 356 462 533 608 7106 853 1563 | Previous Day Aver- age | | ۲ | | В | | | | | SEI | PTEMBEI | | | | | | | | |
| 2946 2946 2946 357 401 410 606 7102 873 523 125 1490 1756 2046 </th <th>78 OR more</th> <th>2946</th> <th>2946</th> <th>2946</th> <th>2946</th> <th>2946</th> <th>2946</th> <th>3433</th> <th>3950</th> <th>4624</th> <th>5330</th> <th>8609</th> <th>7196</th> <th>8639</th> <th>10176</th> <th>11854</th> <th>13626</th> <th>15633</th> <th>18145</th> | 78 OR more | 2946 | 2946 | 2946 | 2946 | 2946 | 2946 | 3433 | 3950 | 4624 | 5330 | 8609 | 7196 | 8639 | 10176 | 11854 | 13626 | 15633 | 18145 |
| 2946 2946 304 410 508 600 110 873 933 1126 1340 1883 2366 </td <td>74 TO 77</td> <td>2946</td> <td>2946</td> <td>2946</td> <td>2946</td> <td></td> <td>3527</td> <td>4201</td> <td>4954</td> <td>5832</td> <td>6757</td> <td>7823</td> <td>9219</td> <td>10929</td> <td>12842</td> <td>14990</td> <td>17596</td> <td>20466</td> <td>23634</td> | 74 TO 77 | 2946 | 2946 | 2946 | 2946 | | 3527 | 4201 | 4954 | 5832 | 6757 | 7823 | 9219 | 10929 | 12842 | 14990 | 17596 | 20466 | 23634 |
| 2946 2946 300 340 411 550 681 760 896 1193 1330 1340 1386 </td <td>70 TO 73</td> <td>2946</td> <td>2946</td> <td>2946</td> <td>2946</td> <td>3401</td> <td>4170</td> <td>5048</td> <td>6060</td> <td>7102</td> <td>8278</td> <td>9533</td> <td>11226</td> <td>13406</td> <td>15868</td> <td>18835</td> <td>22066</td> <td>25641</td> <td>29577</td> | 70 TO 73 | 2946 | 2946 | 2946 | 2946 | 3401 | 4170 | 5048 | 6060 | 7102 | 8278 | 9533 | 11226 | 13406 | 15868 | 18835 | 22066 | 25641 | 29577 |
| 946 358 490 561 683 832 900 1571 1355 1892 1892 1892 1893 3050 3186 </td <td>66 TO 69</td> <td>2946</td> <td>2946</td> <td>3009</td> <td>3480</td> <td>4311</td> <td>5267</td> <td>6381</td> <td>7604</td> <td>8968</td> <td>10411</td> <td>11932</td> <td>13939</td> <td>17013</td> <td>20074</td> <td>23618</td> <td>27539</td> <td>31864</td> <td>31864</td> | 66 TO 69 | 2946 | 2946 | 3009 | 3480 | 4311 | 5267 | 6381 | 7604 | 8968 | 10411 | 11932 | 13939 | 17013 | 20074 | 23618 | 27539 | 31864 | 31864 |
| 2946 3850 470 6036 7604 9329 1126 1334 1364 31864 <td>62 TO 65</td> <td>2946</td> <td>2946</td> <td>3558</td> <td>4499</td> <td>5612</td> <td>6883</td> <td>8325</td> <td>6066</td> <td>11571</td> <td>13359</td> <td>15351</td> <td>18192</td> <td>21877</td> <td>25970</td> <td>30550</td> <td>31864</td> <td>31864</td> <td>31864</td> | 62 TO 65 | 2946 | 2946 | 3558 | 4499 | 5612 | 6883 | 8325 | 6066 | 11571 | 13359 | 15351 | 18192 | 21877 | 25970 | 30550 | 31864 | 31864 | 31864 |
| 357 487 653 8882 10646 1283 1563 1864 31864 <td>58 TO 61</td> <td>2946</td> <td>3589</td> <td>4703</td> <td>6036</td> <td>7604</td> <td>9329</td> <td>11226</td> <td>13249</td> <td>15508</td> <td>18067</td> <td>20764</td> <td>24465</td> <td>29436</td> <td>31864</td> <td>31864</td> <td>31864</td> <td>31864</td> <td>31864</td> | 58 TO 61 | 2946 | 3589 | 4703 | 6036 | 7604 | 9329 | 11226 | 13249 | 15508 | 18067 | 20764 | 24465 | 29436 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 493 703 9517 15271 15351 1766 2324 31864< | 54 TO 57 | 3527 | 4875 | 6553 | 8482 | 10646 | 12983 | 15633 | 18616 | 21752 | 25249 | 29060 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 7431 10646 1426 17421 23210 28495 31864 3 | 50 TO 53 | 4938 | 7039 | 9517 | 12277 | 15351 | 17766 | 22724 | 26974 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| | 46 TO 49 | 7431 | 10646 | 14269 | 17421 | 23210 | 28495 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 19167 27366 31864 <th< td=""><td>42 TO 45</td><td>11697</td><td>16841</td><td>22489</td><td>29107</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td><td>31864</td></th<> | 42 TO 45 | 11697 | 16841 | 22489 | 29107 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| A B CTOBER C 2946 2946 2946 2946 2946 2946 3574 4524 5377 6443 7855 9423 1054 12826 14755 2946 2946 2946 2946 3574 4326 5142 6007 7149 8482 10539 1152 1472 16794 19557 2946 2946 2946 2946 2946 2946 2946 3762 4732 5113 6433 7855 9423 1054 18766 3108 2946 2946 2946 2946 2946 2946 1798 5581 11054 1252 1477 18098 31664 3166 31664 <td>41 OR less</td> <td>19167</td> <td>27366</td> <td>31864</td> | 41 OR less | 19167 | 27366 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 2946 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 21864 2 | Previous Day Aver- | | c | | 0 | | | | | ð | CTOBER | c | | | | | | | |
| 2946 21864 21864 21864 21864 21864 21864 21864 < | age | | ₹ | | 'n | | ↓ ↓ | | | | | اد | | | | | | | ŧ |
| 2946 2946 2946 2946 2946 2946 2946 2946 2946 2946 2946 2946 2946 2946 3558 4452 5424 6506 761 8890 10239 12152 14222 16794 19557 2946 2946 2946 3762 4734 5816 7055 8338 9831 11368 13359 16135 19384 21266 24810 2946 2946 3056 3997 5111 6396 7839 9392 11054 12864 31864 <td< td=""><td>78 OR more</td><td>2946</td><td>2946</td><td>2946</td><td>2946</td><td>2946</td><td>2946</td><td>2946</td><td>3276</td><td>3872</td><td>4624</td><td>5377</td><td>6443</td><td>7855</td><td>9423</td><td>11054</td><td>12826</td><td>14755</td><td>17311</td></td<> | 78 OR more | 2946 | 2946 | 2946 | 2946 | 2946 | 2946 | 2946 | 3276 | 3872 | 4624 | 5377 | 6443 | 7855 | 9423 | 11054 | 12826 | 14755 | 17311 |
| 2946 2946 2946 2946 2946 2946 2946 2946 3558 4452 5424 6506 7651 8890 10599 15147 18098 21266 24810 2946 2946 2946 3762 4734 5816 7055 8388 9831 11368 13359 16135 19384 28870 3108 2946 2946 3056 3997 5111 6395 7839 9392 11054 12826 28860 31864 | 74 TO 77 | 2946 | 2946 | 2946 | 2946 | 2946 | 2946 | 3574 | 4326 | 5142 | 6067 | 7149 | 8482 | 10239 | 12152 | 14222 | 16794 | 19557 | 22709 |
| 2946 2946 2946 3762 4734 5816 7055 8388 9831 11368 13359 16135 1934 22897 26786 31088 2946 3056 3997 5111 6396 7839 9392 11054 12826 14755 17596 21235 25296 29860 31864 31864 2946 3119 4232 5581 7118 8859 10740 12748 14943 17502 20168 23338 28778 31864 </td <td>70 TO 73</td> <td>2946</td> <td>2946</td> <td>2946</td> <td>2946</td> <td>2946</td> <td>3558</td> <td>4452</td> <td>5424</td> <td>6506</td> <td>7651</td> <td>8890</td> <td>10599</td> <td>12763</td> <td>15147</td> <td>18098</td> <td>21266</td> <td>24810</td> <td>28715</td> | 70 TO 73 | 2946 | 2946 | 2946 | 2946 | 2946 | 3558 | 4452 | 5424 | 6506 | 7651 | 8890 | 10599 | 12763 | 15147 | 18098 | 21266 | 24810 | 28715 |
| 2946 3056 3997 5111 6396 7839 9392 11054 12826 17596 21235 25296 29860 31864 31864 31864 2946 3119 4232 5581 7118 8859 10740 12748 14943 17502 20168 23338 28778 31864 | 66 TO 69 | 2946 | 2946 | 2946 | 2946 | 3762 | 4734 | 5816 | 7055 | 8388 | 9831 | 11368 | 13359 | 16135 | 19384 | 22897 | 26786 | 31098 | 31864 |
| 2946 3119 4232 5581 7118 8859 10740 12748 14943 17502 20168 23338 28778 31864 | 62 TO 65 | 2946 | 2946 | 3056 | 3997 | 5111 | 6396 | 7839 | 9392 | 11054 | 12826 | 14755 | 17596 | 21235 | 25296 | 29860 | 31864 | 31864 | 31864 |
| 3072 4421 6083 8012 10160 12497 14645 18067 21187 24533 28433 31864 318 | 58 TO 61 | 2946 | 3119 | 4232 | 5581 | 7118 | 8859 | 10740 | 12748 | 14943 | 17502 | 20168 | 23838 | 28778 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 4499 6585 9047 11807 14818 18349 22144 26378 30989 31864 31 | 54 TO 57 | 3072 | 4421 | 6083 | 8012 | 10160 | 12497 | 14645 | 18067 | 21187 | 24653 | 28433 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 6961 10176 13751 17988 22630 27868 31864 | 50 TO 53 | 4499 | 6585 | 9047 | 11807 | 14818 | 18349 | 22144 | 26378 | 30989 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 11164 16119 21862 28433 31864 | 46 TO 49 | 6961 | 10176 | 13751 | 17988 | 22630 | 27868 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| 18553 26660 31864 31864 31864 31864 31864 31864 31864 31864 31864 31864 31864 31864 31864 31864 31864 31864 31864 | 42 TO 45 | 11164 | 16119 | 21862 | 28433 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |
| | 41 OR less | 18553 | 26660 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 | 31864 |

| 5-m | |
|-------|--|
| TABLE | |

LBS PER DAY OF BOD5

| | | | | | | | (rive | (river mile 248.9 to 240.0) | 9 to 240.0) | | | | | | | | | |
|---------------------------|-------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | | | | | Previou | s Day Ave | Previous Day Average Flow at Rothschild Dam (cfs) | at Rothsch | ild Dam (c | fs) | | | | | | | |
| FLOW (cfs) TEMP ° F | 0 To 980 | 981 To 1220 | 1221 To 1470 | 1471 To 1730 | 1731 To 1990 | 1991 To 2260 | 2261 To 2540 | 2541 To 2830 | 2831 To 3130 | 3131 To 3430 | 3431 To 3780 | 3781 To 4230 | 4231 To 4730 | 4731 To 5250 | 5251 To 5780 | 5781 To 6340 | 6341 To 6910 | 6911 Or More |
| Previous Day Aver- age | , | A | | B | | , | | | MA | MAY – JUNE | U | | | | | | | |
| 78 OR more | 8923 | 7699 | 6023 | 4313 | 3049 | 2454 | 2609 | 2805 | 3055 | 3319 | 3650 | 4076 | 4644 | 5286 | 5969 | 6537 | 6573 | 8186 |
| 74 TO 77 | 8166 | 6476 | 4630 | 2954 | 2007 | 2582 | 2819 | 3123 | 3461 | 3853 | 4265 | 4826 | 5556 | 6354 | 6537 | 7922 | 9126 | 10464 |
| 70 TO 73 | 7077 | 5360 | 3576 | 2521 | 2474 | 2751 | 3089 | 3481 | 3589 | 4414 | 4935 | 5631 | 6557 | 7260 | 8409 | 9754 | 11262 | 12661 |
| 66 TO 69 | 5928 | 4299 | 2880 | 2440 | 2744 | 3136 | 3583 | 4090 | 4651 | 5246 | 5888 | 6537 | 7524 | 8869 | 10363 | 12019 | 13851 | 14020 |
| 62 TO 65 | 4894 | 2907 | 2440 | 2792 | 3238 | 3765 | 4360 | 5016 | 5712 | 6476 | 6537 | 8051 | 9096 | 11343 | 13290 | 14020 | 14020 | 14020 |
| 58 TO 61 | 3474 | 2447 | 2866 | 3400 | 4035 | 4766 | 5556 | 6422 | 6537 | 0661 | 9139 | 10714 | 12817 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 54 TO 57 | 2454 | 2947 | 3623 | 4421 | 5320 | 6314 | 6537 | 8233 | 9579 | 11066 | 12695 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 50 TO 53 | 3021 | 3860 | 4887 | 6043 | 6537 | 8396 | 10025 | 11843 | 13831 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 46 TO 49 | 4090 | 5421 | 6537 | 8301 | 10295 | 12560 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 42 TO 45 | 5949 | 7625 | 10065 | 12905 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 41 OR less | 8795 | 12296 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| Previous Day Aver- age | | A | | В | | | | | JULY | - AUGUST | T C | | | | | | | 1 |
| 78 OR more | 4840 | 7253 | 5867 | 4225 | 3076 | 2812 | 2981 | 3184 | 3441 | 3718 | 4029 | 4461 | 5022 | 5644 | 6327 | 6537 | 7544 | 8538 |
| 74 TO 77 | 7530 | 6381 | 4678 | 3231 | 2724 | 2920 | 3177 | 3481 | 3819 | 4204 | 4624 | 5164 | 5894 | 6537 | 7747 | 8274 | 9457 | 10775 |
| 70 TO 73 | 0669 | 5415 | 3643 | 3028 | 2792 | 3082 | 3427 | 3826 | 4259 | 4745 | 5266 | 5955 | 6537 | 7524 | 8727 | 10059 | 11546 | 13182 |
| 66 TO 69 | 6057 | 4434 | 3015 | 2731 | 3049 | 3434 | 3894 | 4401 | 4948 | 5550 | 6185 | 6537 | 7828 | 9160 | 10647 | 12276 | 14020 | 14020 |
| 62 TO 65 | 5059 | 3015 | 2704 | 3069 | 3522 | 4049 | 4651 | 5300 | 5996 | 6537 | 7747 | 8342 | 9686 | 11613 | 13533 | 14020 | 14020 | 14020 |
| 58 TO 61 | 3596 | 2697 | 3123 | 3677 | 4319 | 5043 | 5840 | 6537 | 7071 | 8288 | 9430 | 10992 | 13087 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 54 TO 57 | 2683 | 3204 | 3887 | 4698 | 5604 | 6537 | 7307 | 8538 | 9876 | 11363 | 12986 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 50 TO 53 | 3265 | 4130 | 5164 | 6327 | 7064 | 8707 | 10349 | 12168 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 46 TO 49 | 4360 | 5712 | 6537 | 8632 | 10640 | 12911 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 42 TO 45 | 6266 | 7666 | 10451 | 13310 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 41 OR less | 9193 | 12742 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| | | | | | | | | | | | | | | | | | | |

File inserted into Admin. Code 9–1–2016. May not be current beginning 1 month after insert date. For current adm. code see: http://docs.legis.wisconsin.gov/code/admin_code

NR 212.00

WISCONSIN ADMINISTRATIVE CODE

100

| 1 | 0 | 1 |
|---|---|---|
| | | |

DEPARTMENT OF NATURAL RESOURCES

| FLOW (cfs) | 0 To | 981 To | 1221 To | 1471 TS | 1731 Te | 1991 To | 2261 To | 2541 To | 2831 To | 3131 To | 3431 Te | 3781 Tro | 4231 To | 4731 Te | 5251 Te | 5781 To | 6341 To | 6911 0 |
|---------------------------|------|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|-----------|
| TEMP°F | 980 | 1220 | 1470 | 10 1730 | 10 1990 | 10 2260 | 10 2540 | 10 2830 | | | | 10 4230 | 10 4730 | 10 5250 | 5780 | 10 6340 | 10 6910 | More |
| Previous Day Aver- | | | | | | | | | SEF | SEPTEMBER | | | | | | | | |
| age | | A | | в | | | | | | | υ | | | | | | | ł |
| 78 OR more | 4238 | 3731 | 3035 | 2001 | 1555 | 1555 | 1764 | 1987 | 2278 | 2582 | 2913 | 3387 | 4008 | 4671 | 5394 | 6158 | 6537 | 7618 |
| 74 TO 77 | 3866 | 3312 | 2264 | 1541 | 4279 | 1805 | 2095 | 2420 | 2798 | 3197 | 3657 | 4259 | 4995 | 5820 | 6537 | 7382 | 8619 | 9984 |
| 70 TO 73 | 3549 | 2778 | 1798 | 1521 | 1751 | 2082 | 2460 | 2880 | 3346 | 3853 | 4394 | 5124 | 6063 | 6537 | 7916 | 9308 | 10850 | 12546 |
| 66 TO 69 | 3021 | 2149 | 1521 | 1784 | 2143 | 2555 | 3035 | 3562 | 4150 | 4772 | 5428 | 6293 | 6537 | 8450 | 9278 | 11668 | 13533 | 14020 |
| 62 TO 65 | 2596 | 1521 | 1818 | 2224 | 2704 | 3251 | 3873 | 4556 | 5273 | 6043 | 6537 | 7639 | 9227 | 10992 | 12965 | 14020 | 14020 | 14020 |
| 58 TO 61 | 1582 | 1832 | 2312 | 2886 | 3562 | 4306 | 5124 | 5996 | 6537 | 7584 | 8747 | 10343 | 12485 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 54 TO 57 | 1805 | 2386 | 3109 | 3941 | 4874 | 5881 | 6537 | 7821 | 9173 | 10681 | 12323 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 50 TO 53 | 2413 | 3319 | 4387 | 5577 | 6537 | 7943 | 9592 | 11424 | 13432 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 46 TO 49 | 3488 | 4874 | 6435 | 7794 | 9802 | 12080 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 42 TO 45 | 5327 | 6537 | 9491 | 12344 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 41 OR less | 8071 | 11593 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| Previous Day Aver- age | | A | | в | | | | | ŏ | OCTOBER | U | | | | | | | 1 |
| 78 OR more | 2994 | 2812 | 2339 | 1697 | 1521 | 1521 | 1521 | 1697 | 1953 | 2278 | 2602 | 3062 | 3670 | 4346 | 5049 | 5813 | 6537 | 6652 |
| 74 TO 77 | 2886 | 2650 | 1717 | 1521 | 1521 | 1521 | 1825 | 2149 | 2501 | 2900 | 3366 | 3941 | 4698 | 5523 | 6415 | 6537 | 8227 | 9585 |
| 70 TO 73 | 2758 | 2197 | 1521 | 1521 | 1521 | 1818 | 2204 | 2623 | 3089 | 3583 | 4117 | 4853 | 5786 | 6537 | 7598 | 8964 | 10491 | 12175 |
| 66 TO 69 | 2379 | 1663 | 1521 | 1548 | 1906 | 2325 | 2792 | 3326 | 3900 | 4522 | 5185 | 6043 | 6537 | 8152 | 9667 | 11343 | 13202 | 14020 |
| 62 TO 65 | 2035 | 1521 | 1602 | 2007 | 2487 | 3042 | 3664 | 4333 | 5049 | 5813 | 6537 | 7382 | 8950 | 10701 | 12668 | 14020 | 14020 | 14020 |
| 58 TO 61 | 1521 | 1629 | 2109 | 2690 | 3353 | 4103 | 4914 | 5780 | 6537 | 7341 | 8490 | 10072 | 12202 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 54 TO 57 | 1609 | 2190 | 2907 | 3738 | 4664 | 5671 | 6537 | 7584 | 8930 | 10424 | 12053 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 50 TO 53 | 2224 | 3123 | 4184 | 5374 | 6537 | 7706 | 9342 | 11167 | 13155 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 46 TO 49 | 3285 | 4671 | 6212 | 7551 | 9552 | 11809 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 42 TO 45 | 5097 | 6537 | 9220 | 12053 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| 41 OR less | 7794 | 11289 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 | 14020 |
| | | | | | | | | | | | | | | | | | | |

TABLE 5-m (Continued)

| Flow cds Temp °F 390 c 78+ 74-77 74-77 70-73 66-69 62-65 58-61 54-57 54-57 54-57 54-57 54-57 54-57 54-57 54-57 73+ 74-77 70-73 65-66 65-66 65-65 65-65 53-61 57 or Less 58-61 57 or Less 57 or Less 57 or Less 57 or Less 58-61 57 or Less 57 or Less 5 | 390 or less 957. 957. 957. 1285. 1960. 2881. 4303. | 391-520 | | | | | | | | | | | |
|---|--|---------|---------|---------|---------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| | 957. 957. 957. 957. 1285. 1960. 2881. 2881. | | 521-650 | 651-780 | 781-910 | 911-1040 | 1041-1300 | 1301-1560 | 1561-1820 | 1821-2080 | 2081-2340 | 2341-2600 | 2601 or more |
| 78+ 74-77 70-73 66-69 65-65 53-61 54-49 45 or Less 78+ 70-73 66-69 66-69 66-69 62-65 57 or Less 58-61 57 or Less 56-60 66-69 67-73 70-70 70-73 70-70 70-70 70-70 70-70 70-70 70-70 70-70 70-70 70-70 7 | 957. 957. 957. 1285. 1960. 2881. 4303. | | | | | MAY | Y | | | | | | |
| 78+ 74-77 70-73 66-69 62-65 53-61 54-65 54-57 50-125 54-77 70-73 66-69 66-69 66-69 62-65 58-61 57 or Less 78+ 70-73 56-65 56-65 56-65 57 or Less 57 or Less 58 -61 57 or Less 57 -77 57 or Less 57 -77 57 or Less 57 -77 57 or Less 57 -77 57 - | 957. 957. 957. 1285. 1960. 2881. 2881. | | | | | | | 1 | | | В | | |
| 74-77 70-73 66-69 62-65 58-61 54-57 50-53 46-49 46-49 46-49 46-49 66-69 66-69 66-69 66-69 66-69 57 or Less 58-61 57 or Less 57 or Less 56-60 66-69 66-69 66-69 66-69 57 or Less 56-60 66-69 66-69 57 or Less 56-69 66-69 66-69 57 or Less 56-69 57 or Less 56-69 56-69 57 or Less 56-69 57 or Less 56-69 57 or Less 56-69 56-69 56-69 56-69 57 or Less 56-69 57 or Less 57 or Less 56-69 57 or Less 56-69 57 or Less 57 | 957. 957. 957. 1285. 1960. 2881. 2881. | 957. | 1304. | 2078. | 2944. | 3929. | 5606. | 6017. | 5734. | 6044. | 6937. | 8223. | 9116. |
| 70-73 66-69 62-65 58-61 54-57 54-57 54-49 46-49 66-69 66-69 66-69 62-65 57 or Less 57 or Less 78+ 70-73 57 or Less 57 or Less 57 or Less 57 or Less 66-67 | 957. 957. 1285. 1960. 2881. 4303. | 957. | 1796. | 2780. | 3893. | 5160. | 6864. | 6491. | 6819. | 7822. | 9116. | 9116. | 9116. |
| 66–69 62–65 58–61 54–57 54–57 54–51 46–49 66–69 66–69 66–69 62–65 57 or Less 57 or Less 78+ 70–73 57 or Less 57 or Less 58 or Less 57 or Less 5 | 957. 1285. 1960. 2881. 4303. | 1231. | 2325. | 3573. | 4986. | 6573. | 7138. | 7366. | 8432. | 9116. | 9116. | 9116. | 9116. |
| 62–65 58–61 54–57 50–53 46–49 45 or Less 78+ 70–73 66–69 66–69 62–65 57 or Less 57 or Less 78+ 74–77 70–73 66–69 | 1285. 1960. 2881. 4303. | 1896. | 3218. | 4749. | 6500. | 7721. | 7831. | 8897. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 58–61 54–57 54–57 46–49 45 or Less 78+ 74–77 70–73 66–69 66–69 62–65 58–61 57 or Less 78+ 74–77 70–73 | 1960. 2881. 4303. | 2689. | 4348. | 6299. | 8095. | 8223. | 9043. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 54-57 50-53 46-49 45 or Less 78+ 74-77 70-73 66-69 66-69 66-69 62-65 58-61 57 or Less 78+ 74-77 70-73 | 2881. 4303. | 3756. | 5953. | 8387. | 8651. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 50-53 46-49 45 or Less 78+ 74-77 70-73 66-69 66-69 66-69 65-65 58-61 57 or Less 78+ 74-77 70-73 66-69 | 4303. | 5369. | 8432. | 9052. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 46-49 45 or Less 74-77 70-73 66-69 66-69 62-65 58-61 57 or Less 78+ 78+ 74-77 70-73 | | 7931. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 45 or Less 78+ 70-77 70-73 66-69 62-65 58-61 57 or Less 78+ 78+ 70-73 66-69 | 6691. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 78+ 74-77 70-73 66-69 62-65 58-61 57 or Less 78+ 74-77 70-73 | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 78+ 74-77 70-73 66-69 62-65 58-61 57 or Less 78+ 74-77 70-73 66-69 | | | | | | JUNE | Э | | | | | | |
| 78+ 74-77 70-73 66-69 62-65 58-61 57 or Less 78+ 70-73 70-73 66-69 | | | | | | | | | | | в | | |
| 74-77 70-73 66-69 62-65 58-61 57 or Less 78+ 74-77 70-73 66-69 | 957. | 1185. | 1759. | 2407. | 3145. | 3984. | 5378. | 6655. | 6436. | 6755. | 7621. | 8806. | 9116. |
| 70-73 66-69 62-65 58-61 57 or Less 78+ 74-77 70-73 66-69 | 957. | 1413. | 2151. | 3017. | 3984. | 5087. | 6910. | 7047. | 7375. | 8350. | 9116. | 9116. | 9116. |
| 66–69 62–65 58–61 57 or Less 78+ 74–77 70–73 66–63 | 957. | 1650. | 2607. | 3710. | 4968. | 6381. | 7530. | 7794. | 8824. | 9116. | 9116. | 9116. | 9116. |
| 62–65 58–61 57 or Less 78+ 70–73 66–69 | 1185. | 2215. | 3409. | 4795. | 6372. | 7986. | 8186. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 58-61 57 or Less 78+ 70-73 66-69 | 1650. | 2935. | 4458. | 6244. | 8277. | 8514. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 57 or Less 78+ 74-77 70-73 66-69 | 2270. | 3938. | 5971. | 8378. | 8915. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 78+ 74-77 70-73 66-69 | 3154. | 5479. | 8332. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 78+ 74-77 70-73 66-63 | | | | | | JULY – AUGUST | UGUST | | | | | | |
| 78+ 74-77 70-73 66-69 | | | | | | | | | | | В | | |
| 74-77 70-73 66-69 | 957. | 957. | 1158. | 1550. | 1996. | 2480. | 3300. | 4558. | 5160. | 5032. | 5324. | 5962. | 6828. |
| 70-73 66-69 | 957. | 957. | 1486. | 2051. | 2689. | 3400. | 4576. | 6053. | 5916. | 6336. | 7165. | 8323. | 9116. |
| 69-69 | 957. | 1149. | 1841. | 2625. | 3482. | 4458. | 6053. | 6627. | 7101. | 8122. | 9116. | 9116. | 9116. |
| | 957. | 1677. | 2571. | 3583. | 4731. | 6007. | 7411. | 7940. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 62-65 | 1276. | 2315. | 3491. | 4850. | 6372. | 7949. | 8423. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 58-61 | 1860. | 3218. | 4831. | 6700. | 8423. | 8925. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| 57 or Less | 2671. | 4576. | 6883. | 8852. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |

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| | 2601 or more | | | 7949. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | | ŧ | 7329. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
|-------------|---------------------|-----------|---|-------|-------|-------|-------|-------|-------|------------|---------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | | | | -i | 6. | 6. | 6. | 6. | 6. | 6. | | | д. | .6 | 6. | 6. | 6. | 6. | 4. | 6. | 6. | 6. |
| | 2341-2600 | | | 6591. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | | | 6007. | 8979. | 9116. | 9116. | 9116. | 9116. | 9114. | 9116. | 9116. | 9116. |
| | 2081-2340 | | В | 5561. | 7858. | 9116. | 9116. | 9116. | 9116. | 9116. | æ | | 4950. | 7366. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| | 1821-2080 | | | 4895. | 6591. | 8843. | 9116. | 9116. | 9116. | 9116. | | | 4412. | 6117. | 8469. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| | 1561-1820 | | | 4877. | 5834. | 7393. | 9116. | 9116. | 9116. | 9116. | | ļ | 4421. | 5451. | 7056. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| | 1301-1560 | | | 5160. | 5752. | 6582. | 8077. | 9116. | 9116. | 9116. | | | 3610. | 5451. | 6317. | 7794. | 9116. | 9116. | 9116. | 9116. | 9116. | 9116. |
| | 1041-1300 | BER | | 4011. | 5679. | 6646. | 7293. | 8414. | 9116. | 9116. | ER | | 2097. | 4339. | 6436. | 7074. | 8186. | 9116. | 9116. | 9116. | 9116. | 9116. |
| | 911-1040 | SEPTEMBER | | 2908. | 3984. | 5233. | 6965. | 7803. | 8852. | 9116. | OCTOBER | | 957. | 3254. | 5096. | 6864. | 7648. | 8660. | 9116. | 9116. | 9116. | 9116. |
| | 781-910 | | | 2142. | 2981. | 3947. | 5333. | 7156. | 8277. | 9116. | | | 957. | 2480. | 3774. | 5196. | 7047. | 8141. | 9116. | 9116. | 9116. | 9116. |
| | 651-780 | | | 1459. | 2088. | 2789. | 3883. | 5278. | 7320. | 8697. | | | 957. | 1531. | 2598. | 3710. | 5141. | 7202. | 8560. | 9116. | 9116. | 9116. |
| | 521-650 | | | 957. | 1285. | 1769. | 2598. | 3628. | 5096. | 7320. | | | 957. | 957. | 1531. | 2407. | 3455. | 4941. | 7183. | 8952. | 9116. | 9116. |
| | 391-520 | | | 957. | 957. | 957. | 1468. | 2206. | 3200. | 4667. | | | 957. | 957. | 957. | 1249. | 2024. | 3027. | 4494. | 6837. | 9116. | 9116. |
| - | 390 or less | | | 957. | 957. | 957. | 957. | 966. | 1623. | 2489. | | | 957. | 957. | 957. | 957. | 957. | 1431. | 2315. | 3628. | 5816. | 9116. |
| Flow cfs | Temp ^v F | | | 78+ | 74–77 | 70-73 | 69-99 | 62-65 | 58-61 | 57 or Less | | | 78+ | 74–77 | 70-73 | 69-99 | 62-65 | 58-61 | 54-57 | 50-53 | 46-49 | 45 or Less |

DEPARTMENT OF NATURAL RESOURCES

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NR 212.00

| | 6211 or more | | 4 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | ŧ | 17551 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 |
|---|---------------------------|----|---|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------------|------|---|----------|----------|----------|----------|----------|----------|------------|---------------|---|---------|----------|----------|----------|----------|----------|------------|
| | | | | 18152 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | | | 18152 18 | 18152 18 | 18152 18 | 18152 18 | 18152 18 | 18152 18 | 18152 18 | | | 16784 1 | 18152 18 | 18152 18 | 18152 18 | 18152 18 | 18152 18 | 18152 18 |
| | 5823- 6210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5435- 5822 | | | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 16103 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 |
| | 5047- 5434 | | | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 15137 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 |
| | 4659- 5046 | | | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 14101 | 17182 | 18152 | 18152 | 18152 | 18152 | 18152 |
| | 4271– 4658 | | в | 16472 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | в | 16827 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | ſ | в | 12894 | 15932 | 18152 | 18152 | 18152 | 18152 | 18152 |
| | 3883- 4270 | | | 14967 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 15407 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 11658 | 14740 | 17778 | 18152 | 18152 | 18152 | 18152 |
| | 3495- 3882 | | | 13064 | 16614 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 13817 | 16756 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 10238 | 13305 | 16344 | 18152 | 18152 | 18152 | 18152 |
| | 3107- 3494 | | | 10962 | 14512 | 18020 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 11985 | 15009 | 18091 | 18152 | 18152 | 18152 | 18152 | | | 8605 | 11644 | 14697 | 18152 | 18152 | 18152 | 18152 |
| n F BOD5 0 305.9) Dam (cfs) | 2719- 3106 | | | 8733 | 12169 | 15677 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 10011 | 12993 | 16046 | 18152 | 18152 | 18152 | 18152 | UST | | 6873 | 9784 | 12808 | 16571 | 18152 | 18152 | 18152 |
| TABLE 7-m LBS PER DAY OF BOD5 (river mile 313.1 to 305.9) Flow at Tomahawk Dam (cfs) | 2331- 2718 | AY | | 6433 | 9642 | 13021 | 16884 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | JUNE | | 8122 | 10749 | 13689 | 17310 | 18152 | 18152 | 18152 | JULY - AUGUST | | 5155 | 7810 | 10693 | 14370 | 18152 | 18152 | 18152 |
| LBS P (river 1 Flow at] | 1943- 2330 | | | 4374 | 7100 | 10139 | 13760 | 17778 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | 1 | 6376 | 8563 | 11119 | 14484 | 18152 | 18152 | 18152 | Dſ | | 4217 | 5836 | 8406 | 11814 | 15606 | 18152 | 18152 |
| | 1555- 1942 | | | 3280 | 4927 | 7356 | 10423 | 14030 | 18152 | 18152 | 18152 | 18152 | 18152 | 18152 | | | 5481 | 6773 | 8591 | 11445 | 14839 | 18152 | 18152 | | | 3735 | 5084 | 6617 | 9131 | 12510 | 16586 | 18152 |
| | 1361– 1554 | | | 3039 | 4374 | 5921 | | 'n | 4910 | 18152 | 8152 | 8152 | | | | | 4757 | 5907 | 7228 | 9173 | 12056 | 15776 | 18152 | | | 3252 | 4459 | 5836 | 7853 | 10096 | 13703 | 18152 |
| | 1167– 1360 | | | 2868 | 4004 | 5382 | 7143 | 9244 | 12539 1 | 16912 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | | | 4303 | 5382 | 6603 | 8307 | 10281 | 13476 | 17750 | | | 2868 | 3990 | 5254 | 7043 | 9102 | 11672 | 15805 |
| | 973- 1166 | | | 2712 | 3649 | 4729 | 6262 | 8051 | 10267 1 | 13959 1 | 18152 1 | 18152 1 | 18152 1 | 18152 1 | | | 3763 | 4743 | 5822 | 7341 | 9102 | 11303 | 14924 | | | 2400 | 3436 | 4544 | 6134 | 7938 | 10210 | 13234 |
| | 779- 972 | | | 2599 | 3323 | 4189 | 5382 | 6816 | 8733 1 | 11161 1 | 15279 1 | 18152 1 | 18152 1 | 18152 1 | | | 3010 | 4004 | 4970 | 6291 | 9677 | 6696 | 12255 | | | 2400 | 2797 | 3791 | 5169 | 6702 | 8634 | 11161 |
| | 585- 778 | | | 2400 | 2982 | 3664 | 4572 | 5652 | 7057 | 9017 1 | 11758 1: | 16231 1 | 18152 1 | 18152 1 | | | 2400 | 2897 | 3919 | 5140 | 6376 | 7895 | 9983 | | | 2400 | 2400 | 2911 | 4132 | 5410 | 6930 | 8960 |
| | 584 or less | | | 2400 2 | 2400 2 | 2883 3 | 3834 4 | 4658 5 | 5581 7 | 6844 9 | 8761 11 | 11687 16 | 16273 18 | 18152 18 | | | 2400 | 2400 | 2400 | 3635 | 4871 | 6063 | 7498 | | | 2400 | 2400 | 2400 | 2883 | 4061 | 5240 | 6646 |
| | Flow cfs Temp °F 59 | | | 78+ 2 | 74-77 2 | 70–73 2 | 66-69 3 | 62-65 4 | 58-61 5 | 54-57 6 | 50-53 8 | 46–49 11 | 42-45 16 | 41 or Less 18 | | | 78+ | 74–77 | 70–73 | 66–69 | 62-65 | 58-61 | 57 or Less | | | 78+ | 74-77 | 70–73 | 6969 | 62-65 | 58-61 | 57 or Less |

NR 212.00

WISCONSIN ADMINISTRATIVE CODE

DEPARTMENT OF NATURAL RESOURCES

105

NR 212.00

| | | | | | | | (riv. | (river mile 265.0 to 260.0) | .0 to 260.0 | • | | | | | | | | |
|---------------------------|-------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| FLOW (cfs) TEMP ° F | 0 To 980 | 981 To 1220 | 1221 To 1470 | 1471 To 1730 | 1731 To 1990 | 1991 To 2260 | 2261 To 2540 | 2541 To 2830 | 2831 To 3130 | 3131 To 3430 | 3431 To 3780 | 3781 To 4230 | 4231 To 4730 | 4731 To 5250 | 5251 To 5780 | 5781 To 6340 | 6341 To 6910 | 6911 Or More |
| Previous Day Aver- age | , | A | | В | | | | | M/ | MAY – JUNE | C M | | | | | | | |
| 78 OR more | 1314 | 1275 | 1321 | 1422 | 1494 | 1541 | 1624 | 1729 | 1862 | 2002 | 2179 | 2406 | 2709 | 3051 | 3415 | 3822 | 4103 | 4597 |
| 74 TO 77 | 1213 | 1228 | 1339 | 1462 | 1617 | 1610 | 1736 | 1898 | 2078 | 2287 | 2507 | 2806 | 3195 | 3620 | 4103 | 4456 | 5097 | 5811 |
| 70 TO 73 | 1152 | 1213 | 1350 | 1476 | 1552 | 1700 | 1880 | 2089 | 2147 | 2585 | 2864 | 3235 | 3728 | 4103 | 4716 | 5433 | 6236 | 6982 |
| 69 TO 69 | 1170 | 1253 | 1412 | 1534 | 1696 | 1905 | 2143 | 2413 | 2712 | 3029 | 3372 | 3840 | 4244 | 7961 | 5757 | 6640 | 7616 | 7706 |
| 62 TO 65 | 1195 | 1394 | 1534 | 1721 | 1959 | 2240 | 2557 | 2907 | 3278 | 3685 | 4103 | 4525 | 5353 | 6279 | 7317 | 7706 | 7706 | 7706 |
| 58 TO 61 | 1350 | 1538 | 1761 | 2046 | 2384 | 2773 | 3195 | 3656 | 4103 | 4492 | 5105 | 5944 | 7065 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 54 TO 57 | 1541 | 1804 | 2165 | 2590 | 3069 | 3599 | 4103 | 4622 | 5339 | 6131 | 7000 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 50 TO 53 | 1844 | 2291 | 2838 | 3454 | 4103 | 4708 | 5577 | 6546 | 7605 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 46 TO 49 | 2413 | 3123 | 3959 | 4658 | 5721 | 6928 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 42 TO 45 | 3404 | 4298 | 5598 | 7112 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 41 OR less | 4921 | 6787 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| Previous Day Aver- age | | 4 | | B | | | | | JULY | Y – AUGUST | ST C | | | | | | | |
| 78 OR more | 1426 | 1415 | 1498 | 161 | 1696 | 1732 | 1822 | 1930 | 2067 | 2215 | 2381 | 2611 | 2910 | 3242 | 3606 | 4017 | 4254 | 4784 |
| 74 TO 77 | 1332 | 1383 | 1509 | 1617 | 1685 | 1790 | 1927 | 2089 | 2269 | 2474 | 2698 | 2986 | 3375 | 3808 | 4103 | 4643 | 5274 | 5977 |
| 70 TO 73 | 1278 | 1365 | 1516 | 1617 | 1721 | 1876 | 2060 | 2273 | 2503 | 2763 | 3040 | 3408 | 3908 | 4244 | 4885 | 5595 | 6387 | 7259 |
| 66 TO 69 | 1289 | 1397 | 1566 | 1689 | 1858 | 2064 | 2309 | 2579 | 2871 | 3191 | 3530 | 4009 | 4406 | 5115 | 5908 | 6776 | 7706 | 7706 |
| 62 TO 65 | 1314 | 1534 | 1675 | 1869 | 2111 | 2392 | 2712 | 3058 | 3429 | 3847 | 4103 | 4679 | 5508 | 6423 | 7447 | 7706 | 7706 | 7706 |
| 58 TO 61 | 1476 | 1671 | 1898 | 2193 | 2536 | 2921 | 3346 | 3815 | 4103 | 4651 | 5260 | 6092 | 7209 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 54 TO 57 | 1664 | 1941 | 2305 | 2737 | 3220 | 3757 | 4128 | 4784 | 5497 | 6290 | 7155 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 50 TO 53 | 1974 | 2435 | 2986 | 3606 | 4103 | 4874 | 5750 | 6719 | 7605 | 7706 | 7706 | 7706 | 7706 | 7706 | 9017 | 7706 | 7706 | 7706 |
| 46 TO 49 | 2557 | 3278 | 4103 | 4834 | 5905 | 7115 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 42 TO 45 | 3573 | 4103 | 5804 | 7328 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 41 OR less | 5133 | 7025 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |

NR 212.00

LBS PER DAY OF BOD5 PUBLICLY OWNED TABLE 8-m

WISCONSIN ADMINISTRATIVE CODE

106

| 1 | 0 | 7 | |
|---|---|---|--|
| | | | |

DEPARTMENT OF NATURAL RESOURCES

| 1471 1731 1991 2261 241 2831 To To To To To To To B 1062 1062 1062 11062 11062 11062 11330 13130 1062 1062 1062 1062 1167 1343 1545 1768 201 1062 1062 1167 1343 1545 1768 201 11185 1376 1595 1851 2132 244 11185 1376 1595 1851 2132 244 11185 1376 1595 1851 2132 244 2334 2831 3368 3977 4402 512 3206 3912 4467 5346 6322 770 4338 5458 6672 7706 7706 770 7706 7706 7706 7706 770 770 1062 1062 1062 | 1221 1471 To To | | I | | | | | | | Ï | | | |
|--|--------------------|------|------|--------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| A B 1174 1293 144 1062 1062 1062 1062 1062 1052 <th>1730</th> <th></th> <th></th> <th></th> <th>3131 To 3430</th> <th>3431 To 3780</th> <th>3781 To 4230</th> <th>4231 To 4730</th> <th>4731 To 5250</th> <th>5251 To 5780</th> <th>5781 To 6340</th> <th>6341 50 6910</th> <th>6911 Or More</th> | 1730 | | | | 3131 To 3430 | 3431 To 3780 | 3781 To 4230 | 4231 To 4730 | 4731 To 5250 | 5251 To 5780 | 5781 To 6340 | 6341 50 6910 | 6911 Or More |
| | • | | | | SEPTEMBER | ER C | | | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1062 1062 | 1062 | 1174 | | 148 1610 | 0 1786 | 2083 | 2370 | 2723 | 3109 | 3516 | 3977 | 4294 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 1062 1062 | 1195 | 1350 | | 725 1938 | 8 2183 | 2503 | 2896 | 3336 | 3829 | 4168 | 4827 | 5555 |
| | 1062 1062 | 1343 | 1545 | | 017 2287 | 7 2575 | 2964 | 3465 | 4031 | 4452 | 5195 | 6016 | 6921 |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | 1076 1185 | 1595 | 1851 | | 46 2777 | 7 3127 | 3588 | 4103 | 4737 | 5551 | 6452 | 7447 | 7706 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 1203 1419 | 1966 | 2298 | |)44 3454 | 4 3912 | 4305 | 5151 | 6092 | 7144 | 7706 | 7706 | 7706 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1466 1772 | 2528 | 2964 | | 948 4276 | 6 4896 | 5746 | 6888 | 7706 | 7706 | 7706 | 7706 | 7706 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 1891 2334 | 3368 | 3977 | | 123 5926 | 6 6802 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 2572 3206 | 4467 | 5346 | | 393 7706 | 6 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 3663 4388 | 6672 | 7706 | | 7706 7706 | 6 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 4535 6413 7706 7706 7706 7706 7706 7706 A B B 1062 1062 1062 1138 1275 1062 1062 1062 1062 1062 1062 1379 1566 1062 1062 1062 1062 1062 1062 1379 1566 1062 1062 1062 1062 1062 1206 1319 1880 1062 1062 1062 1062 1062 1206 1310 1880 1062 1062 1062 1062 1205 1303 1559 1855 2186 2312 1062 1062 1062 1338 1667 2020 2420 2853 3314 3818 1061 1401 1783 2226 2719 3256 3750 4276 4993 1084 2464 3098 3790 4341 5213 6186 7406 1984 2453 3534 6528 7706 7706 7706 | 5292 6812 | 7706 | 7706 | | 7706 7706 | 6 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| A B 1062 1062 1062 1062 1062 1338 1275 1062 1062 1062 1062 1062 1379 1566 1062 1062 1062 1062 1062 1379 1566 1062 1062 1062 1062 1062 1379 1566 1062 1062 1062 1062 1062 1062 1379 1566 1062 1062 1062 1062 1249 1473 1721 2006 2312 1062 1062 1062 1262 1249 1473 1721 2006 2312 1062 1102 1338 1559 1855 2186 2543 2925 1091 1401 1783 2226 2719 3256 3750 4276 4993 1984 2333 3545 4528 5324 6528 7706 7706 7706 <td>7706 7706</td> <td>7706</td> <td>7706</td> <td></td> <td>706 7706</td> <td>6 7706</td> <td>7706</td> <td>7706</td> <td>7706</td> <td>7706</td> <td>7706</td> <td>7706</td> <td>7706</td> | 7706 7706 | 7706 | 7706 | | 706 7706 | 6 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 1062 1062 1062 1062 1062 1062 1062 1062 1062 1138 1062 1062 1062 1062 1062 1062 1379 1062 1062 1062 1062 1062 1062 1379 1062 1062 1062 1062 1062 1203 1408 1631 1062 1062 1062 1062 1249 1473 1721 2006 1062 1062 1062 1338 1667 2020 2420 2853 3314 1062 1102 1338 1667 2020 2420 2853 3314 1091 1401 1783 2226 2719 3256 3750 4276 1984 2723 3545 4528 5324 6528 7706 7706 | œ | | | | OCTOBER | с Ж | | | | | | | |
| 1062 1062 1062 1062 1062 1062 1062 1062 1062 1138 1062 1062 1062 1062 1062 1062 1379 1062 1062 1062 1062 1062 1062 1379 1062 1062 1062 1062 1249 1473 1721 2006 1062 1062 1062 1331 1559 1855 2186 2543 1062 1102 1338 1667 2020 2420 2853 3314 1091 1401 1783 2226 2719 3256 3750 4276 1984 2723 3545 4528 5324 6528 7706 7706 | | | | | | | | | | | | | ŧ |
| 1062 1062 1062 1062 1062 1062 1062 1062 1062 1062 1206 1379 1062 1062 1062 1062 1062 1203 1408 1631 1062 1062 1062 1062 1249 1473 1721 2006 1062 1062 1303 1559 1855 2186 2543 1062 1102 1338 1667 2020 2420 2853 3314 1091 1401 1783 2226 2719 3256 3750 4276 1419 1898 2464 3098 3790 4341 5213 6186 1984 2723 3545 4528 5324 6528 7706 7706 | 1062 1062 | 1062 | 1062 | | 275 1448 | 8 1621 | 1866 | 2190 | 2550 | 2925 | 3332 | 3775 | 4103 |
| 1062 1062 1062 1062 1062 1062 1062 1062 1062 1062 1062 1063 1631 1062 1062 1062 1062 1062 1249 1473 1721 2006 1062 1062 1087 1303 1559 1855 2186 2543 1062 1102 1358 1667 2020 2420 2853 3314 1091 1401 1783 2226 2719 3256 3750 4276 1419 1898 2464 3098 3790 4341 5213 6186 1984 2723 3545 4528 5324 6528 7706 7706 | 1062 1062 | 1062 | 1206 | | 566 1779 | 9 2128 | 2334 | 2737 | 3177 | 3653 | 4103 | 4618 | 5342 |
| 1062 1062 1062 1062 1062 1062 1062 1062 1062 1062 1062 1062 1062 1063 1559 1855 2186 2543 1062 1102 1338 1667 2020 2420 2853 3314 1061 1401 1783 2226 2719 3256 3750 4276 1419 1898 2464 3098 3790 4341 5213 6186 1984 2723 3545 4528 5324 6528 7706 7706 | 1062 1062 | 1203 | 1408 | | 380 2143 | 3 2428 | 2820 | 3318 | 3865 | 4283 | 5011 | 5825 | 6722 |
| 1062 1062 1087 1303 1559 1855 2186 2543 1062 1102 1358 1667 2020 2420 2853 3314 1061 1401 1783 2226 2719 3256 3750 4276 1419 1898 2464 3098 3790 4341 5213 6186 1984 2723 3545 4528 5324 6528 7706 7706 | 1062 1062 | 1473 | 1721 | | 312 2644 | 4 2997 | 3454 | 4092 | 4579 | 5386 | 6279 | 7270 | 7706 |
| 1062 1102 1358 1667 2020 2420 2853 3314 1091 1401 1783 2226 2719 3256 3750 4276 1419 1898 2464 3098 3790 4341 5213 6186 1984 2723 3545 4528 5324 6528 7706 7706 | 1087 1303 | 1855 | 2186 | | 925 3332 | 2 3775 | 4168 | 5004 | 5937 | 6985 | 7706 | <i>7706</i> | 7706 |
| 1091 1401 1783 2226 2719 3256 3750 4276 1419 1898 2464 3098 3790 4341 5213 6186 1984 2723 3545 4528 5324 6528 7706 7706 | 1358 1667 | 2420 | 2853 | | 318 4146 | 6 4759 | 5602 | 6737 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 1419 1898 2464 3098 3790 4341 5213 6186 1984 2723 3545 4528 5324 6528 7706 7706 | 1783 2226 | 3256 | 3750 | | 93 5789 | 9 6658 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 1984 2723 3545 4528 5324 6528 7706 7706 | 2464 3098 | 4341 | 5213 | | 245 7706 | 6 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| | 3 3545 4528 5324 | 6528 | 7706 | 7706 7 | 7706 7706 | 6 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |
| 42 TO 45 2950 4089 5148 6658 7706 7706 7706 7706 7706 | 5148 6658 | 7706 | 7706 | | 7706 7706 | 6 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | <i>7706</i> | 7706 |
| 41 OR less 4388 6250 7706 7706 7706 7706 7706 7706 7706 | 7706 7706 | 7706 | 7706 | | 7706 | 6 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 | 7706 |

| FLOW (cfs) | | | | | J | , , | | | | |
|------------|-------------|------------|------------|--------------------|------------|------------|------------|------------|-------------|--------------|
| TEMP°F | 200 Or Less | 201 To 260 | 261 To 300 | 301 To 340 | 341 To 400 | 401 To 530 | 531 To 610 | 611 To 800 | 801 To 1100 | 1101 Or More |
| | | | | MAY – JUNE | NE | | | | | |
| 78+ | 3151 | 3151 | 3367 | 3151 | 3351 | 3493 | 3685 | 3832 | 3881 | 3607 |
| 4-77 | 3220 | 3506 | 3820 | 3624 | 3930 | 4220 | 4281 | 4281 | 4281 | 4281 |
| 0-73 | 3542 | 3938 | 4281 | 4208 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 69-69 | 3946 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 62-65 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 2-61 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| | | | | JULY | | | | | | |
| 8+ | 3151 | 3151 | 3228 | 3151 | 3404 | 3685 | 4028 | 4281 | 4281 | 4281 |
| 74-77 | 3216 | 3559 | 3914 | 3840 | 4195 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 0-73 | 3689 | 4142 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 5-69 | 4167 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 2-65 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 2-61 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| | | | | AUGUST – SEPTEMBER | TEMBER | | | | | |
| 8+ | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 |
| 4-77 | 3151 | 3151 | 3391 | 3151 | 3408 | 3599 | 3857 | 4085 | 4281 | 4281 |
| 0-73 | 3244 | 3599 | 3979 | 3791 | 4159 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 69-99 | 3693 | 4187 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 2-65 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 2-61 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| | | | | OCTOBER | 3R | | | | | |
| 78+ | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 | 3151 |
| 4–77 | 3151 | 3151 | 3151 | 3151 | 3151 | 3306 | 3563 | 3799 | 4126 | 4281 |
| 70-73 | 3151 | 3395 | 3755 | 3530 | 3877 | 4216 | 4281 | 4281 | 4281 | 4281 |
| 69-99 | 3538 | 4008 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 62-65 | 4179 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |
| 32-61 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 | 4281 |

NR 212.00

WISCONSIN ADMINISTRATIVE CODE

| FLOW (cfs) | | | | à | | D | | | | |
|------------|-------------|------------|------------|--------------------|------------|------------|------------|------------|-------------|--------------|
| TEMP°F | 200 Or Less | 201 To 260 | 261 To 300 | 301 To 340 | 341 To 400 | 401 To 530 | 531 To 610 | 611 To 800 | 801 To 1100 | 1101 Or More |
| | | | | MAY – JUNE | NE | | | | | |
| 78+ | 1787 | 1814 | 1940 | 1787 | 1895 | 1972 | 2095 | 2185 | 2258 | 2042 |
| 74-77 | 1885 | 2037 | 2223 | 2088 | 2278 | 2463 | 2506 | 2506 | 2506 | 2506 |
| 70-73 | 2057 | 2293 | 2506 | 2458 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 69-99 | 2301 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 62-65 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 32-61 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| | | | | JULY | | | | | | |
| 78+ | 1787 | 1814 | 1880 | 1787 | 1947 | 2120 | 2333 | 2506 | 2506 | 2506 |
| 74-77 | 1895 | 2067 | 2275 | 2220 | 2451 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 70-73 | 2148 | 2418 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 65-69 | 2436 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 62-65 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 32-61 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| | | | | AUGUST – SEPTEMBER | TEMBER | | | | | |
| 78+ | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 |
| 74–77 | 1787 | 1787 | 1947 | 1787 | 1940 | 2035 | 2208 | 2363 | 2506 | 2506 |
| 70-73 | 1869 | 2082 | 2313 | 2186 | 2423 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 69-99 | 2140 | 2446 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 62-65 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 32-61 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| | | | | OCTOBER | ΩR | | | | | |
| 78+ | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 | 1787 |
| 74-77 | 1787 | 1787 | 1807 | 1787 | 1787 | 1822 | 1985 | 2153 | 2393 | 2506 |
| 70-73 | 1787 | 1952 | 2168 | 2012 | 2238 | 2461 | 2506 | 2506 | 2506 | 2506 |
| 66-69 | 2047 | 2333 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 62-65 | 2441 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |
| 32-61 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 | 2506 |

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DEPARTMENT OF NATURAL RESOURCES

NR 212.03

Chapter NR 212

WASTE LOAD ALLOCATED WATER QUALITY RELATED EFFLUENT LIMITATIONS

| Subchapter I NR 212.01 | I — General Purpose. | NR 212.40 | Determination of lower Fox river water quality related effluent limi- tations. |
|--|---|------------------------|---|
| | I — Effluent Limitations for Biochemical Oxygen Demand hrough Wasteload Allocations for Specific Stream Segments Applicability. | NR 212.60 NR 212.70 | Determination of upper Wisconsin river water quality related effluent limitations. Determination of Peshtigo river water quality related effluent limita- tions. |
| NR 212.03 NR 212.05 NR 212.06 NR 212.065 NR 212.07 NR 212.08 NR 212.09 NR 212.10 NR 212.11 | Definitions. General. Determination of the total maximum load. Modification of baseline loads. Allocation for reserve capacity. Allocation for margin of safety. Nonpoint source allocation. Point source allocations. | | III — Development of Total Maximum Daily Loads and Effluent Developed Through Wasteload Allocations Applicability. Definitions. TMDL development requirements for impaired waters. Developing TMDLs for nearshore and open waters of the Great Lakes. Developing TMDLs for Great Lakes systems tributaries and connecting channels. |
| NR 212.115 NR 212.12 NR 212.13 | Transferable wasteload allocation. Instream aeration. Flow reregulation. | NR 212.76 NR 212.77 | Establishing WQBELs for publicly and privately owned wastewater facilities or treatment works. Public Participation. |

Note: Corrections made under s. 13.93 (2m) (b) 7., Stats., Register, September, 1997, No. 501.

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Subchapter I — General

NR 212.01 Purpose. The purpose of this chapter is to establish the procedures, methodologies, and requirements to be used by the department for determining total maximum pollutant loadings and corresponding water quality related effluent limitations in accordance with ss. 283.13 (5), 283.31 (3) (d) 3., and 283.83 (1) (c), Stats. Such restrictions are established to attain and maintain the designated uses specified in the water quality standards appearing in chs. NR 102, 103, and 104.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; correction made under s. 13.92 (4) (b) 7, Stats., Register May 2011 No. 665; CR 15–085: am. Register August 2016 No. 728, eff. 9–1–16.

Subchapter II — Effluent Limitations for Biochemical Oxygen Demand Developed Through Wasteload Allocations for Specific Stream Segments

NR 212.02 Applicability. (1) The provisions of this subchapter are applicable to water quality related effluent limitations for biochemical oxygen demand developed through wasteload allocations for the Lower Fox River from milepoints 0–40.0, Upper Wisconsin River from milepoints 171.9–341.4, and Peshtigo River from milepoints 0–12, and established under s. 283.13 (5), Stats.

(2) Nothing in this subchapter shall in any way inhibit, override, preclude, or prevent the department from issuing any permit with toxic effluent limits even if such permit limitations would result in more stringent limitations than provided in this subchapter.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; CR 15–085: r. and recr. (1), am. (2) Register August 2016 No. 728, eff. 9–1–16.

NR 212.03 Definitions. In addition to the definitions and abbreviations in ss. NR 205.03 and 205.04, the following definitions are applicable to terms used in this subchapter:

(1) "Baseline load" means the reference load used in distributing all or part of the total maximum load among multiple point source dischargers to a water quality limited segment.

(2) "Categorical effluent limitation" means a point source effluent limitation for categories and classes of point sources other than publicly–owned treatment works achieved by application of the best practicable control technology currently available, the

best conventional pollutant control technology, or the best available technology economically achievable as required by s. 283.13 (2), Stats.; or means a point source effluent limitation for a publicly–owned treatment works achieved by application of sec-

ondary treatment as required by s. 283.13 (4), Stats. (3) "Conventional pollutant" means those pollutants identified in section 304 (a) (4) of the federal clean water act amendments of 1977. These pollutants are: biochemical oxygen demand (BOD), total suspended solids (TSS), pH, fecal coliform, and oil and grease.

(4) "Cost-effective analysis" means a systematic comparison of alternative means of meeting state water quality standards, effluent limitations or other treatment standards in order to identify the alternative which will minimize the total resources costs over the appropriate planning period. These resources costs include monetary costs and environmental as well as other nonmonetary costs.

(5) "Critical water quality conditions" means those water conditions upon which are based the most stringent water quality effluent limitations.

(5m) "Designated management agency" means any agency designated in an areawide water quality management plan having responsibility for implementing specific plan recommendations.

(6) "Effluent limitation" whenever used without qualification means any restriction including schedules of compliance, established by the department, on quantities, rates and concentrations of chemical, physical, biological, and other constituents which are discharged from point sources into waters of this state.

(7) "Flow reregulation" means any practice with respect to the available surface waters in a basin that would alter the stream flows from those which would occur under existing regimes.

(8) "Infiltration" means water other than waste water that enters a sewerage system, including sewer service connections, from the ground through such sources as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow.

(9) "Inflow" means water other than waste water that enters a sewerage system, including sewer service connections, from sources such as roof leaders, cellar drains, yard drains, area drains, foundation drains, drains from springs and swampy areas, manhole covers, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm waters, surface runoff,

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street wash waters, or drainage. Inflow does not include, and is distinguished from, infiltration.

(10) "Instream aeration" means techniques which increase the dissolved oxygen content of a receiving water. Those techniques include, but are not limited to, mechanical aeration devices, diffuser systems, and turbine venting.

(11) "Margin of safety" means a portion of the total maximum load which accounts for the uncertainties concerning the relationship between effluent limitations and water quality or provide a greater assurance that the water quality standards will be met. This portion of the total maximum load is not available for allocation to point sources.

(12) "New point source", for the purposes of this subchapter, means a point source which commenced operation after January 1, 1980.

(13) "Nonpoint source" means a source of pollution resulting from a land management activity which contributes to runoff, seepage or percolation; and which is not defined as a point source.

(14) "Nonpoint source allocation" means that portion of the total maximum load distributed or apportioned to nonpoint sources and unavailable for allocation to point sources.

(14e) "Off-machine production" means that quantity of paper or paperboard taken from a paper machine for further processing, conversion or sale exclusive of coating material applied after the paper machine.

(14q) "Projected population change" means an increment of projected population change for a sewer service area pursuant to the appropriate areawide water quality management plan.

(15) "Point source allocation" means that portion of the total maximum load distributed or apportioned to point sources.

(16) "Publicly–owned point source" means any point source which is owned by a municipality.

(17) "Public sector growth" means an increase in waste water discharge from any person except industrial establishments, whose waste water is treated by a publicly–owned point source.

(18) "Reserve capacity" means that portion of the total maximum load reserved for allocation to new or expanding point sources.

(19) "Residential growth" means an increase in population.

(20) "Stream segment" means a portion of a stream including natural and artificial flowages.

(21) "Total maximum load" means the maximum quantity of a pollutant or pollutants that can be discharged into a water quality limited segment over a specified period of time to maintain the applicable water quality standards. The total maximum load is the sum of the point source allocation, the nonpoint source allocation, the reserve capacity and the margin of safety.

(22) "Wasteload allocation" means the allocation resulting from the process of distributing or apportioning the total maximum load to each individual point source discharge.

(23) "Water quality limited segment" means any area or portion of a stream which will not meet the established water quality standard with application of only categorical effluent limitations to all point sources.

(24) "Water quality related effluent limitation" means a point source effluent limitation designed to meet applicable water quality standards and which is more restrictive than the categorical effluent limitations. For the purposes of this subchapter, water quality related effluent limitations refer to those determined as a result of a wasteload allocation.

(25) "Water quality standards" means administrative rules adopted as chs. NR 102, 103 and 104, under authority of s. 281.15, Stats.

(26) "WPDES permit" means a Wisconsin pollutant discharge elimination system permit for the discharge of pollutants issued by the department under ch. 283, Stats.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; cr. (5m), (14e) and (14q), Register, May, 1986, No. 365, eff. 6–1–86; CR 15–085: am. (intro.), (3), (12), (22), (24) Register August 2016 No. 728, eff. 9–1–16.

NR 212.05 General. (1) Water quality related effluent limitations and total maximum loads shall be established whenever categorical effluent limits required under s. 283.13, Stats., are less stringent than necessary to achieve the designated water quality standard. Water quality related effluent limitations for point sources shall be specified in a WPDES permit.

(2) For the purposes of this chapter compliance with water quality related effluent limitations is recognized as compliance with s. 283.31 (4) (d), Stats.

(3) In no case shall the water quality related effluent limitations be less stringent than applicable categorical effluent limitations.

(4) Analysis of the samples shall be performed in accordance with ch. NR 219. Laboratory test results for 5–day biochemical oxygen demand and nutrients submitted to the department under this chapter shall be performed by a laboratory certified or registered under ch. NR 149.

Note: The requirement in this section to submit data from a certified or registered laboratory is effective on August 28, 1986.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; cr. (4), Register, April, 1986, No. 364, eff. 8–28–86.

NR 212.06 Determination of the total maximum load. (1) When required by s. NR 212.05, total maximum loads for stream segments shall be established based upon relevant water quality and quantity considerations including, but not limited to, streamflow, water temperature, pH, dissolved oxygen, suspended solids and hardness or other natural background conditions. The stream conditions to be used for calculating the total maximum load are specified in s. NR 102.03 (3). Variable loadings may be established for a given stream segment to reflect the varying capacity of a stream to assimilate wastes under differing conditions when necessary supporting data is available.

(2) Total maximum loads established in ss. NR 212.40 to 212.70 shall be reviewed at least once every 5 years and if necessary, recalculated by the department prior to permit reissuance, based on factors which shall include but not be limited to changes in stream conditions and advancements in stream modeling techniques, discharge characteristics, readjustment of modeling coefficients, utilization of new data, or baseline load revisions under s. NR 212.065.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; am. (2), Register, May, 1986, No. 365, eff. 6–1–86.

NR 212.065 Modification of baseline loads. (1) Baseline loads established in ss. NR 212.40 to 212.70 shall be reviewed at least once every 5 years and if necessary, revised by the department based on factors that shall include, but not be limited to population projections, modifications to categorical effluent limits, production curtailment or expansions, permit expiration and revocation, cessation of discharge or other issues. Any temporary reallocation under s. NR 212.11 (2) shall be considered as part of baseline load revisions at the 5 year update.

(2) In proposing revisions to total maximum daily loads or baseline loads in ss. NR 212.40 to 212.70 due to reallocation, the department staff shall consider increases in allocations only for circumstances when:

(a) A new discharger requires a wasteload allocation due to insufficient reserve capacity being available in the applicable stream segment; or

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(b) An existing discharger demonstrates to the satisfaction of the department that additional wasteload allocation is required due to a production expansion or municipal growth. The demonstration shall include an analysis of the discharger's current wastewater treatment facility's capability to adequately treat the increased influent. The demonstration shall also include an analysis that the discharger's wastewater treatment facility is adequately maintained and operated at optimal efficiency; or

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(c) An existing discharger demonstrates to the satisfaction of the department that additional wasteload allocation is required due to the inability of its wastewater treatment facility to attain existing wasteload allocations. The demonstration shall include an analysis that the discharger has installed appropriate treatment technology and that the current facility is maintained and operated at optimal efficiency.

(d) A reallocation of total maximum daily loads would result in establishment of a reserve capacity through procedures identified in ss. NR 212.40 through 212.70.

(e) Through use of a toxicity test approved by the department, the discharger applying for an increased total maximum daily load demonstrates that such increase will not result in a failure, as defined by the department, of the toxicity test.

History: Cr. Register, May, 1986, No. 365, eff. 6-1-86.

NR 212.07 Allocation for reserve capacity. The allocation for a reserve capacity for a particular stream segment shall be zero unless otherwise specified in ss. NR 212.40 to 212.70.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; am. Register, May, 1985, No. 353, eff. 6–1–85.

NR 212.08 Allocation for margin of safety. The allocation for a margin of safety shall be zero unless otherwise specified in ss. NR 212.40 to 212.70.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; am. Register, May, 1985, No. 353, eff. 6–1–85.

NR 212.09 Nonpoint source allocation. The allocation for nonpoint sources shall be zero unless otherwise specified in ss. NR 212.40 to 212.70.

Note: For those stream conditions where the allocation of water quality related effluent limitations is necessary, nonpoint source effects on stream segments will normally be accounted for in the water quality model or other technical analysis used to determine the total maximum load. In unforeseen circumstances requiring the specific allocation of a portion of the total maximum load for contributions from nonpoint sources, s. NR 212.09 can be used. Direct control of contributions from nonpoint sources will be implemented through land management control practices and will not normally be included in a waste load allocation.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; am. Register, May, 1985, No. 353, eff. 6–1–85.

NR 212.10 Point source allocations. (1) The water quality related effluent limitations for a point source discharge to a stream segment which is not impacted by any other point source shall be calculated by subtracting any allocations for reserve capacity, margin of safety or nonpoint sources from the total maximum loading.

(2) The procedures for determining water quality related effluent limitations for point source dischargers to a stream segment affected by more than one discharger are found in ss. NR 212.40 to 212.70.

(3) The department may permit point source water quality related effluent limitations to vary according to flow, temperature or other water quality conditions only when all of the following are met:

(a) The limitations shall result in the attainment of water quality standards; and

(b) During the term of the permit the discharger provides sufficient monitoring capability where such capability does not otherwise exist.

(4) Water quality related effluent limits shall be expressed as daily maximum loads. Consistent with techniques established under ss. NR 212.40 through 212.70 effluent limits may be

expressed as averages in conjunction with daily maximum limits if the permittee demonstrates that such limits would not increase the probability of water quality standards violations. The flow and temperature measurements of stream conditions for flow and temperature related permits may be based on averages in cases where averages better approximate actual river conditions.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; am. (2) and (4), Register, May, 1985, No. 353, eff. 6–1–85.

NR 212.11 Modifications and temporary reallocation of point source allocations. (1) When a discharger to a publicly–owned point source covered by this chapter applies to receive a separate WPDES permit or when a person with a WPDES permit applies to terminate its direct discharge in order to contribute to a publicly–owned point source covered by this chapter, permit modification procedures contained in ss. 283.37 and 283.53 (2), Stats., shall apply. Any reallocation pursuant to such action shall only affect the applicant and the publicly–owned point source to which it discharges.

(2) Procedures for temporary reallocation for individual stream segments are identified in ss. NR 212.40 through 212.70. Notwithstanding procedures identified in ss. NR 212.40 through 212.70, temporary reallocation of wasteload allocations may be allowed under the following conditions:

(a) Reallocations approved by the department shall be for at least one calendar year and shall expire at the end of the affected discharger's WPDES permit term;

(b) Reallocations shall account for differences in waste characteristics and location of discharge as determined by the department and may not adversely affect a downstream segment's wasteload allocation; and

(c) Reallocations may not affect baseline loads in affected stream segments but may result in an adjustment to total maximum daily loads identified in ss. NR 212.40 through 212.70.

(3) Reallocations may not be approved by the department until the discharger applying for a reallocation demonstrates through the use of a toxicity test approved by the department that such reallocation will not result in toxicity in the receiving water.

(4) Prior to department approval of a reallocation, all parties to the transfer shall waive all rights under s. 227.51, Stats., to retain any reallocation beyond the expiration date of the WPDES permit of the dischargers applying to receive a reallocation. The waiver shall be effectuated through incorporation into the WPDES permit of the affected discharger.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; r. and recr. Register, August, 1985, No. 356, eff. 9–1–85.

NR 212.115 Transferable wasteload allocation. (1) Transfers of wasteload allocations between point source dischargers may be allowed through the permit issuance or modification process under the following conditions:

(a) The discharger applying to receive a transfer secures a legally binding agreement approved by the department, that the WPDES permit allocations for one or more existing dischargers shall be reduced by an amount sufficient to prevent the total maximum load under ss. NR 212.40 to 212.70 from being exceeded;

(b) The department shall consider the differences in waste characteristics and location of the affected point sources to determine amounts by which the existing point source allocations are reduced; and

(c) Transfer agreements approved by the department shall be for at least one wasteload allocation season and may not extend beyond the term of the seller's discharge permit.

(d) Transfers may not be approved by the department until the discharger applying for an increased wasteload allocation demonstrates through the use of a toxicity test approved by the department that the transfer will not result in a failure, as defined by the department, of the toxicity test.

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(2) Prior to department approval of a transfer, the discharger applying for an increased wasteload allocation shall demonstrate to the satisfaction of the department that the increase is needed due to:

(a) New production by a new discharger,

(b) Increased production which cannot be accommodated by the current treatment facility, or

(c) The inability of the current waste treatment facility to meet current wasteload allocations despite optimal operation and maintenance of the treatment facility.

(3) Prior to department approval of a transfer, all parties to the transfer shall waive all rights under s. 227.51, Stats., to retain any transfer beyond the expiration date of the WPDES permit of the dischargers applying to receive a transfer. The waiver shall be incorporated into both the legally binding agreement in sub. (1) (a) and the WPDES permit of all parties to the agreement.

History: Cr. Register, March, 1986, No. 363, eff. 4-1-86.

NR 212.12 Instream aeration. (1) Total maximum loads established under this chapter may be calculated based on the use of instream aeration techniques when WPDES permit applications meet both the following conditions:

(a) A cost–effectiveness analysis is submitted to the department which demonstrates that instream aeration is a satisfactory means of attaining water quality standards; and

(b) A demonstration is made to the satisfaction of the department that applicable water quality standards will be met and no environmental pollution as defined in s. 299.01 (4), Stats., will occur.

(2) Instream aeration may not be used to accommodate new or increased discharges of pollutants either from new point sources or from the expansion of existing point sources, except that instream aeration may be available on a temporary basis to accommodate increased pollution loads due to the growth of a municipality when:

(a) The use of aeration for this purpose is restricted to residential or public sector growth;

(b) Adequate operation and maintenance of the publiclyowned point source exists;

(c) Excessive infiltration and inflow have been removed from the collection systems;

(d) No bypasses occur that are not approved by the department; and

(e) The municipality has taken all reasonable steps to obtain federal and state financing for its point source.

(3) The use of instream aeration under sub. (2) shall be allowed for a period not to exceed 5 years, at which time the publicly–owned point source shall have sufficient treatment capability in place to meet the waste water treatment needs as required by an approved municipal waste water treatment facility plan developed under ch. NR 110.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; CR 15–085: am. (2) (d) Register August 2016 No. 728, eff. 9–1–16.

NR 212.13 Flow reregulation. (1) Total maximum loads established under this chapter may be calculated based on the use of flow reregulation techniques when WPDES permit applicants meet all of the following conditions:

(a) A cost–effectiveness analysis is submitted to the department which demonstrates that flow reregulation is a satisfactory means of attaining water quality standards.

(b) A technical analysis is presented to the satisfaction of the department which determines the critical water quality conditions for the affected stream segment as a function of the flow reregulation technique.

(c) Legally binding assurances are provided to the satisfaction of the department that the entity responsible for reregulating flows on the affected stream segment will undertake the agreed-upon flow reregulation activities.

(d) The flow reregulation does not interfere with the uses for which the impoundment was authorized.

(2) Flow reregulation may not be used to accommodate new discharges of pollutants either from new point sources or from the expansion of existing point sources.

(3) Flow reregulation may not be accomplished by the construction of new impoundments built for the primary purpose of increasing flows to accommodate pollution loadings.

(4) Flow reregulation may not be accomplished by flow augmentation practices which would increase the overall quantity of surface water in the basin. Prohibited practices include interbasin transfers or groundwater pumping.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81.

NR 212.40 Determination of lower Fox river water quality related effluent limitations. Effluent limitations for point sources discharging BOD₅ to the lower Fox river shall be calculated according to the procedures contained in this section. These limitations shall apply from May 1 to October 31 annually.

(1) (a) The total maximum daily BOD₅ loads which are available for allocation to point sources discharging to the lower Fox river between milepoints 40.0 and 32.4 are shown in Table 1–a.

(b) The total maximum daily BOD_5 loads which are available for allocation to point sources discharging to the lower Fox river between milepoints 32.4 and 19.2 are shown in Table 1–b.

(c) The total maximum daily BOD₅ loads which are available for allocation to point sources discharging to the lower Fox river between milepoints 7.2 and 0.0 are shown in Table 1–c. For the period June 1 through June 30 of each year, section A of the MAY– JUNE table shall be replaced with section A of the JULY– AUGUST table. The total maximum daily BOD₅ loads shown in Table 1–c have been determined in accord with ss. NR 102.02 and 102.03 to maintain the dissolved oxygen criteria except for natural conditions and the historically altered hydraulic characteristics.

(2) The department shall determine baseline loads for each point source subject to the wasteload allocation in accordance with all of the following:

(a) Publicly–owned point sources between milepoints 40.0 and 19.2. The baseline load expressed in pounds per day for each publicly–owned point source shall be calculated as follows:

Baseline Load = (Q) (8.34) (60)

| Where: Q = | The average daily flow for the publicly– owned point source during 1976 and 1977 expressed in million gallons per day, computed as: 12.09 million gallons per day for the publicly–owned point source located between milepoints 38.0 and 37.0 on the Menasha channel. |
|------------|--|
| | 1.40 million gallons per day for the publicly–owned point source located between milepoints 36.0 and 35.0.10.47 million gallons per day for the publicly–owned point source located |
| | between milepoints 30.0 and 25.0. 2.99 million gallons per day for the pub- licly-owned point source located |
| | between milepoints 23.0 and 22.0. |
| 8.34 = | Conversion factor (lbs./gal.). |
| 60 = | Concentration of BOD ₅ expressed in mil- ligrams per liter. |

(am) Publicly–owned point sources between milepoints 7.2 and 0.0. The baseline load expressed in pounds per day for each publicly–owned point source shall be calculated as follows:

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| Dasenne Loau = (Q) | (0.34)(00) |
|----------------------|---|
| Where: Q = | The average daily flow for the publicly– owned point source during 1979 expressed in millions of gallons per day, computed as: |
| | 3.96 million gallons per day for the pub- licly–owned point source located between milepoints 7.0 and 6.0. |
| | 19.03 million gallons per day for the pub- |
| | licly–owned point source located between milepoints 1.0 and 0.0. |
| 8.34 = | Conversion factor (lbs./gal.). |
| 60 = | Concentration of BOD ₅ expressed in mil- ligrams per liter. |

(b) Nonpublicly-owned point sources between milepoints 40.0 and 19.2. The baseline load expressed in pounds per day for each nonpublicly-owned point source shall be calculated as follows:

Baseline Load = (BPT) (Production) (0.85)

Baseline L and -(0)(8.34)(60)

| Where: BPT = | The final best practicable waste treatment effluent limitations for the point source as provided in ch. NR 284 or 220, when applicable, expressed in pounds of BOD5 per ton of production. |
|--------------|--|
| Production = | The maximum weekly off–machine pro- |
| | duction during 1973 expressed as tons per day. |
| 0.85 = | Adjustment factor to approximate daily average off-machine production. |

(c) Nonpublicly-owned point sources between milepoints 7.2 and 0.0. The baseline load expressed in pounds per day for each nonpublicly-owned point source shall be calculated as follows:

Baseline Load = (BPT) (Production)

| Where: BPT = | The final best practicable waste treatment effluent limitations for the point source as provided in ch. NR 284 or 220, when applicable, expressed in pounds of BOD5 per ten of preduction |
|--------------|---|
| | per ton of production. |
| Production = | 1977 average daily off-machine produc- |
| | tion. |

(d) Mini-cluster adjustment. The baseline load for nonpublicly-owned point sources between milepoints 0.8 and 0.5, and 0.4 and 0.0 shall be adjusted by subtracting 10% of the contractual maximum daily BOD₅ discharged to the publicly-owned point source located between milepoint 1.0 and 0.0. The 10% contractual maximum figure for both non-publicly-owned point sources shall be added to the baseline load for the publicly-owned point source located between milepoints 1.0 and 0.0.

(3) (a) Determine the reserve capacity adjustment. The reserve capacity for each publicly-owned point source located between milepoints 40.0 and 19.2 shall be calculated as follows:

Reserve Capacity = (P) (124) (8.34) (60)

| Where: P = | Projected population change for the area between the years 1977 and 2000 expressed in millions of persons. |
|------------|--|
| 124 = | Projected per-capita waste water flow expressed in gallons per day. |
| 8.34 = | Conversion factor (lbs./gal.). |
| 60 = | Concentration of BOD ₅ expressed in mil- ligrams per liter. |

(b) The reserve capacity for each publicly-owned point source located between milepoints 7.0 and 6.0 shall be calculated as follows:

Reserve Capacity = (P)(110)(8.34)(60)

| Where: P = | Projected population change for the area |
|------------|--|
| | between the years 1979 and 2000 |
| | expressed in millions of people. |
| 110 = | Projected per-capita wastewater flow expressed in gallons per day. |
| 8.34 = | |
| 0.54 = | Conversion factor (lbs./gal.). |
| 60 = | Concentration of BOD ₅ expressed in mil- |
| | ligrams per liter. |

(c) The reserve capacity for each publicly-owned point source located between milepoints 1.0 and 0.0 shall be calculated as follows:

Reserve Capacity = (P)(111)(8.34)(60)

| Where: P = | Projected population change for the area |
|------------|--|
| | between the years 1979 and 2000 |
| | expressed in millions of people. |
| 111 = | Projected per-capita wastewater flow expressed in gallons per day. |
| 8.34 = | Conversion factor (lbs./gal.). |
| 60 = | Concentration of BOD5 expressed in mil- |
| | ligrams per liter. |

(4) Determine the adjustments to the baseline loads.

(a) The adjusted baseline load for each publicly-owned point source shall be equal to the baseline load for the source calculated in sub. (2) (a) or (am) plus the reserve capacity for the same source calculated in sub. (3), plus the mini-cluster adjustment, if any, calculated in sub. (2) (d).

(b) The adjusted baseline load for each nonpublicly-owned point source shall be calculated as follows:

| Adjusted Baseline Load = (| (BL) – <u>(BL)</u> x (Total Reserve |
|----------------------------|-------------------------------------|
| | Capacity) |
| | Total BL |
| Where: BL = | The baseline load for the nonpub- |
| | licly-owned point source as deter- |
| | mined using the procedures in |
| | sub. (2) (b) and (c) |
| Total BL = | The sum of all the baseline loads |
| | for nonpublicly-owned point |
| | sources calculated in sub. (2) (b) |
| | and (c) within the applicable |
| | stream segment defined in sub. |
| | (1). |
| Total Reserve Capacity= | The sum of all the reserve capaci- |
| Total Reserve Capacity= | 1 |
| | ties for publicly-owned point |
| | sources calculated in sub. (3) |
| | within the applicable stream seg- |
| | ment defined in sub. (1). |

(c) The adjusted baseline load for publicly-owned and nonpublicly-owned point sources from milepoints 32.4 through 19.2 shall include an incremental addition as follows:

| Milepoint | BOD ₅ Increment (lb/day) |
|-------------|-------------------------------------|
| 32.4 - 30.0 | 591 |
| 30.0 - 28.0 | 1619 |
| 28.0 - 26.0 | 3085 |
| 26.0 - 23.0 | 1710 |
| 23.0 - 22.7 | 565 |
| 22.7 - 22.5 | 2629 |

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(d) The adjusted baseline load for nonpublicly–owned point source located between milepoint 0.8 and 0.5 shall be reduced by 2500 pounds of BOD₅ from the amount calculated in par. (b).

(5) Determine the allocation for each point source. The allocation for each point source shall be calculated as follows:

Point Source Allocation = (Adjusted Baseline Load)(T) C+D

Where: Adjusted

| Baseline Load = | The adjusted baseline load for the point source calculated in sub. (4) |
|-----------------|--|
| T = | The applicable total maximum daily BOD_5 load available for allocation as shown in sub. (1) |
| C = | The sum of all the adjusted baseline loads within the applicable stream segment as defined in sub. (1) for publicly–owned point sources calculated in sub. (4) (a). |
| D = | The sum of all the adjusted baseline loads within the applicable stream segment defined in sub. (1) for nonpublicly– owned point sources calculated in sub. (4) (b). |

(6) For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

(a) For a point source discharging into the lower Fox river from milepoints 40.0 through 19.2, the sum of the actual daily discharges for any 7-consecutive-day-period may not exceed the sum of the daily point source allocation values calculated under sub. (5) for the same 7-consecutive-day-period; and

(am) For a point source discharging into the lower Fox river from milepoints 7.2 through 0.0, the sum of the actual daily discharges for any 7-consecutive-day-period may not exceed the sum of the daily point source allocation values calculated under sub. (5) for the same 7-consecutive-day-period; and

(b) For any one day period;

1. For a point source discharging into the lower Fox river between milepoints 40.0 through 32.4, the actual discharge may not exceed 138% of the allocation for that day as calculated under sub. (5).

2. For a point source discharging into the lower Fox river between milepoints 32.4 and 19.2, the actual discharge may not exceed 120.0% of the allocation for that day as calculated under sub. (5).

3. For a point source discharging into the lower Fox river between milepoints 7.2 and 0.0, the actual discharge may not exceed 134% of the allocation for that day as calculated under sub. (5).

(7) The flow and temperature conditions used to determine compliance with permit effluent limits shall be the representative measurements of the flow averaged over the previous 4 days and temperature of the previous day.

(8) REALLOCATION OF AVAILABLE WASTELOAD ALLOCATIONS. (a) Wasteload allocations may be reallocated under par. (c) when a wasteload allocated permit expires, is revoked or surrendered for the following purposes:

1. Provide for the wasteload needed due to the reactivation of a facility that had closed and made the wasteload available.

2. Provide the wasteload for new production increases by existing dischargers.

3. Provide the wasteload for production by a new discharger.

4. Provide for existing dischargers to raise their existing allocations in the appropriate stream segment towards categorical effluent limitation levels based upon a demonstration of need that the dischargers' treatment facility is incapable of meeting applicable wasteload allocations.

(b) Reallocations shall include an explicit reserve capacity for future new dischargers or future production increases by existing dischargers.

(c) The following procedures shall be used to reallocate available wasteloads:

1. Upon notification by the department of an available wasteload allocation pursuant to par. (a), the designated management agency shall publish a notice of wasteload availability.

2. A 6 month period shall be provided for persons to declare interest in available wasteload allocations.

3. Within 60 days of the end of the 6 month period the designated management agency shall conduct a public meeting regarding the proposed reallocation.

4. The designated management agency shall recommend a reallocation proposal to the department including an explicit reserve capacity.

5. The department shall notify the designated management agency of acceptance or rejection of the recommendation within 6 months.

History: Cr. Register, September, 1981, No. 309, eff. 10-1-81; cr. (8), Register, August, 1985, No. 356, eff. 9-1-85; am. (2) (a) and (b), (3), (5) and (6) (b) 1. and 2., cr. (4) (c), r. and recr. (8), Register, May, 1986, No. 365, eff. 6-1-86; cr. (1) (c), (2) (am), (c) and (d), (3) (b) and (c), (6) (am) and (b) 3., am. (4) (a) and (b), renum. (3) to be (3) (a), Register, March, 1987, No. 375, eff. 4-1-87; am. (1) (c) and (4) (a), Register, April, 1988, No. 388, eff. 5-1-88; cr. (4) (d), r. and recr. Table 1–C, Register, March, 1996, No. 483, eff. 4-1-96; CR 15–085: am. (2) (intro.), (b), (c) Register August 2016 No. 728, eff. 9-1-16.

NR 212.60 Determination of upper Wisconsin river water quality related effluent limitations. Effluent limitations for point sources discharging BOD₅ to the upper Wisconsin river shall be calculated according to the procedures contained in this section. These limitations shall apply from May 1 to October 31 annually.

(1) The department shall determine baseline loads for each point source subject to the wasteload allocation in accordance with all of the following:

(a) The baseline load for each publicly–owned point source located between milepoints 205.3 and 171.9 shall be calculated as follows:

Baseline Load = (Q) (8.34) (60) (C)

| Where Q = | The average daily flow for the publicly– owned point source during 1978 expressed in millions of gallons per day. |
|-----------|--|
| 8.34 = | Conversion factor (lbs./gal.). |
| 60 = | Concentration of BOD ₅ expressed in milligrams per liter. |
| C = | Reallocation conversion factor which has a value of 1.0 for the publicly–owned point source located between milepoints 205.3 and 199.4 and a value of 1.18 for the publicly–owned point sources located between milepoints 199.3 and 171.9. |

(b) The baseline load for each nonpublicly–owned point source located between milepoints 205.3 and 171.9 shall be calculated as follows:

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Baseline Load = (BPT) (Production)

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| Where BPT = | The final best practicable waste treatment effluent limitations for the point source as provided in ch. NR 284, expressed as pounds of BOD5 per ton of production. If ch. NR 284 does not apply, the best practi- cable waste treatment effluent limitations as determined under ch. NR 220 shall apply. |
|--------------|---|
| Production - | The annual average off-machine produc- |

Production = The annual average off-machine production during 1978 expressed as tons per day.

(c) The baseline load for each publicly–owned point source located between milepoints 235.4 and 271.1 shall be calculated as follows:

Baseline Load = (Q) (8.34) (C)

| Where Q = | 0.55 million gallons per day for publicly– owned point sources located between milepoints 240.0 and 250.0 |
|-----------|--|
| | 4.0 million gallons per day for publicly– owned point sources located between milepoints 250.0 and 260.0. |
| | 8.2 million gallons per day for publicly– owned point sources located between milepoints 260.0 and 265.0. 0.1 million gallons per day for publicly– |

0.1 million gallons per day for publicly– owned point sources located between milepoints 265.0 and 271.1.

8.34 = Conversion factor (lbs./gal.).

C = 45 milligrams per liter concentrations of BOD₅ for publicly–owned point sources located between milepoints 240.0 and 250.0, 250.0 and 260.0, and 265.0 and 271.1

60 milligrams per liter concentration of BOD_5 for publicly–owned point sources located between milepoints 260.0 and 265.0.

(d) The baseline load for each nonpublicly-owned point source with best practicable waste treatment effluent limitations of less than 500 pounds per day located between milepoints 271.1 and 240.0 shall be calculated as follows:

Baseline Load = (BPT) (Production)

| Where BPT = | The final best practicable waste treatment |
|--------------|--|
| | effluent limitations for the point source as |
| | provided in ch. NR 284, or 220, when |
| | applicable, expressed as pounds of BOD5 |
| | per ton of production. |
| Production = | The maximum weekly off-machine pro- duction during 1981 expressed as tons per |
| | day. |

(e) The baseline load for each nonpublicly–owned point source with best practicable waste treatment effluent limitations of BOD₅ equal to or exceeding 500 pounds per day located between milepoints 271.1 and 240.0 shall be calculated as follows:

Baseline Load = (BPT) (Production)

Where BPT = The final best practicable waste treatment effluent limitations for the point source as provided in ch. NR 284 or 220, when applicable, expressed as pounds of BOD5 per ton of production.

Production = The average weekly off-machine production expressed as tons per day from March to December 1973 for point sources located between milepoints 271.0 and 258.5 and the BPT permit limits for 1978 for point sources located between milepoints 258.4 and 258.2 and the average weekly off-machine production expressed as tons per day during 1974 for point sources located between milepoints 258.19 and 249.0 and the average weekly off-machine production expressed as tons per day during 1973 plus the woodroom allowance for sources located between milepoints 248.9 and 240.0

(f) The baseline load for each publicly–owned point source located between milepoints 341.4 and 305.9 shall be calculated as follows:

Baseline Load = (Q) (8.34) (30)

| Where Q = | The design flow for the publicly–owned |
|-----------|---|
| | point source located between milepoints |
| | 341.4 and 313.2 and the year 2000 flow |
| | projection for those located between |
| | milepoints 313.3 and 305.9 expressed in |
| | millions of gallons per day. |
| 8.34 = | Conversion factor (lbs/gal.). |
| 30 = | Concentration of BOD ₅ expressed in mil- ligrams per liter. |
| | Concentration of BOD5 expressed in mil- |

(g) The baseline load for each nonpublicly–owned point source located between milepoints 341.4 and 305.9 shall be calculated as follows:

Baseline Load = (BPT) (Production)

| Where BPT = | The final best practicable waste treatment effluent limitations for the point source as provided in ch. NR 284, expressed as pounds of BOD5 per ton of production. If ch. NR 284 does not apply, the best practi- cable waste treatment effluent limitations as determined under ch. NR 220 shall |
|--------------|---|
| Production = | apply. The annual average off–machine produc- tion during 1978 expressed as tons per day. |

(2) Determine the allocation for each point source.

(a) The allocation for each publicly–owned point source located between milepoints 205.3 and 171.9 shall be its baseline load as determined in sub. (1) (a).

(b) The allocation for each nonpublicly–owned point source located between milepoints 205.3 and 171.9 shall be calculated as follows:

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| Point Source Alloca | tion=BL (\underline{T}) |
|---------------------|---|
| | D |
| Where BL = | The baseline load for the individual point source calculated under sub. (1) (b) |
| Τ = | The total maximum daily BOD ₅ load available for allocation as shown in Table 1–m minus the sum of the point source allocations as determined in par. (a) |
| D = | The sum of the baseline loads for nonpub- licly–owned point sources calculated under sub. (1) (b). |
| | |

For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day-period may not exceed the sum of the daily point source allocation values calculated under the formula for the same 5-consecutive-day-period; and

2. For any one day period, the actual discharge for the point source may not exceed 120.5% of the allocation for that day as calculated under the formula.

(c) 1. The allocation for publicly–owned point source located between milepoint 240.0 and 250.0 shall be its baseline load as determined under sub. (1) (c).

2. The allocation for publicly–owned point sources located between milepoint 250.0 and 260.0 shall be determined as follows:

a. For the period January 1, 1986 through December 31, 1990, the allocation shall be determined as follows:

Point Source Allocation = (Q) (8.34) (45)

Where Q = 3.1 million gallons per day

8.34 = Conversion factor (lbs./gal.)

45 = 45 milligrams per liter concentration of BOD₅

b. For each 5–year period beginning January 1, 1991 through December 31, 2005, the allocation shall be redetermined on the basis of projected flows and the demonstrated treatment capability of the point source. The redetermination shall be made at the time of each 5–year reevaluation under s. NR 212.06 (2). No allocation may exceed the baseline load as determined in sub. (1) (c).

3. The allocation for the publicly–owned point sources located between milepoints 260.0 and 265.0 shall be a reduction in discharge to levels appearing in Table 8–m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

a. The sum of actual daily discharges for any 5-consecutiveday period may not exceed the sum of the daily point source allocation values calculated for the same 5-consecutive-day period.

b. For any one day period, the actual discharge for the point source may not exceed 108.5% of the allocation for that day calculated for those flow temperature regimes identified as Condition A in Table 8–m or 101.8% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 8–m or 113.0% of the allocation calculated for those flow/temperature regimes identified as Condition C in Table 8–m.

4. The allocation for publicly–owned point sources located between milepoints 265.0 and 271.1 shall be its baseline load as determined under sub. (1) (c).

(d) The allocation for each nonpublicly–owned point source located between milepoints 271.1 and 240.0 with best practicable waste treatment effluent limits of less than 500 pounds of BOD₅ per day shall be its baseline load as determined under sub. (1) (d).

(e) The allocation for each nonpublicly–owned point source located between milepoints 271.1 and 258.5 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD₅ per day shall be a reduction in its discharge to levels

appearing in Table 2–m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 2-m for the same 5-consecutive-day period.

2. For any one day period, the actual discharge for the point source may not exceed 101.8% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 2–m or 113.0% of the allocation calculated for those flow/temperature regimes identified as Condition C in Table 2–m. No percentage adjustment shall be made for conditions identified as Condition A in Table 2–m.

(f) The allocation for each nonpublicly–owned point source located between milepoints 258.4 and 258.2 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD₅ per day shall be a reduction in its discharge to levels appearing in Table 3–m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 3-m for the same 5-consecutive-day-period.

2. For any one day period, the actual discharge for the point source may not exceed 108.5% of the allocation for that day calculated for those flow/temperature regimes identified as Condition A in Table 3–m or 101.8% of the allocation calculated for those flow/temperature regimes identified as Condition B in Table 3–m or 113.0% of the allocation calculated for those flow/temperature regimes identified as Condition C in Table 3–m.

(g) The allocation for each nonpublicly–owned point source located between milepoints 258.19 and 249.0 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD₅ per day shall be a reduction in its discharge to levels appearing in Table 4–m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of actual daily discharges for any 5-consecutiveday period may not exceed the sum of the daily point source allocation values calculated for the same 5-consecutive-day period.

2. For any one day period, the actual discharge for the point source may not exceed 108.5% of the allocation for that day for those flow/temperature regimes identified as Condition A in Table 4–m or 101.8% of the allocation calculated for those flow/temperature regimes identified as Condition B in Table 4–m or 113.0% of the allocation calculated for those flow/temperature regimes identified as Condition C in Table 4–m.

(h) The allocation for each nonpublicly–owned point source located between milepoints 248.9 and 240.0 with best practicable waste treatment effluent limits equal to or exceeding 500 pounds of BOD₅ per day shall be a reduction in its discharges to levels appearing in Table 5–m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 5-m for the same 5-consecutive-day period.

2. For any one day period, the actual discharge for the point source may not exceed 113.4% of the allocation for that day calculated for those flow/temperature regimes identified as Condition A in Table 5–m or 110.2% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 5–m or 113.0% of the allocation for that day calculated for

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those flow/temperature regimes identified as Condition C in Table 5–m.

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(i) The allocation for each publicly–owned point source located between milepoints 341.4 and 305.9 shall be its baseline load as determined under sub. (1) (f).

(j) The allocation for each nonpublicly-owned point source located between milepoints 341.4 and 313.2 with best practicable waste treatment limits equal to or exceeding 550 pounds of BOD₅ per day shall be a reduction in its discharge to levels appearing in Table 6-m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 6-m for the same 5-consecutive-day period.

2. For any one day period, the actual discharge for the point source may not exceed 106.5% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 6–m. No percentage adjustments shall be made for conditions identified as Condition A in Table 6–m.

(k) The allocation for each nonpublicly–owned point source located between milepoints 313.19 and 305.9 with best practicable waste treatment limits equal to or exceeding 550 pounds of BOD₅ per day shall be a reduction in its discharge to levels appearing in Table 7–m. For purposes of determining compliance with water quality related effluent limits, the following conditions shall be met:

1. The sum of the actual daily discharges for any 5-consecutive-day period may not exceed the sum of the daily point source allocation values calculated under Table 7-m for the same 5-consecutive-day period.

2. For any one day period, the actual discharge for the point source may not exceed 106.5% of the allocation for that day calculated for those flow/temperature regimes identified as Condition B in Table 7–m. No percentage adjustments shall be made for conditions identified as Condition A in Table 7–m.

(3) The flow and temperature conditions used to determine compliance with permit effluent limits shall be the representative measurements of the flow and temperature of the previous day.

(4) REALLOCATION OF AVAILABLE WASTELOAD ALLOCATIONS. (a) Wasteload allocations may be reallocated under par. (c) when a previously issued wasteload allocated permit expires, is revoked or is voluntarily surrendered. Such reallocation may be accomplished for the following purposes:

1. Provide for the wasteload needed due to the reactivation of a facility that had previously closed and caused the wasteload to become available.

2. Provide for new production increases by existing dischargers.

3. Provide for production by a new discharger.

4. Provide for existing dischargers to raise their existing allocation in the appropriate stream segment towards categorical effluent limitation levels based upon a demonstration of need that the discharger's treatment facility is incapable of meeting applicable wasteload allocations.

(b) Any reallocation shall include explicit reserve capacity for future new dischargers or future production increase by existing dischargers.

(c) Reallocations shall occur according to the following procedure:

1. Upon notification by the department of the availability of a wasteload pursuant to s. NR 212.60 (4) (a), the designated management agency shall publish a notice of wasteload availability.

2. A 6-month period shall be provided for persons to declare interest in available wasteload allocations.

3. Within 60 days of the end of the 6 month period the designated management agency shall conduct a public meeting regarding the proposed reallocation.

4. The designated management agency shall recommend a reallocation including an explicit reserve capacity to the department within 30 days of the public meeting.

5. The department shall notify the designated management agency of acceptance or rejection of the recommendation within 6 months.

History: Cr. Register, September, 1981, No. 309, eff. 10–1–81; emerg. r. and recr. (1) (c) and (2) (c), eff. 8–5–83; r. and recr. (1) (c) and (2) (c), Register, November, 1983, No. 335, eff. 12–1–83; am. (1) (a) and (f), (2) (b) 2., cr. (4), Register, May, 1986, No. 365, eff. 6–1–86; am. (1) (c) to (e), (2) (c) 1., 2.a. and 3., (d), (e) 2., (f) 2., (g), (h) (intro.) and 2., cr., tables 1–c and 8–m, r. and recr. tables 2–m, 3–m, 4–m and 5–m, Register, March, 1987, No. 375, eff. 4–1–87; am. table 1–c, Register, April, 1988, No. 388, eff. 5–1–88; CR 15–085: am. (1) (intro.), (b), (d), (e), (g) Register August 2016 No. 728, eff. 9–1–16.

NR 212.70 Determination of Peshtigo river water quality related effluent limitations. Effluent limitations for point sources discharging BOD₅ to the Peshtigo river shall be calculated according to the procedures contained in this section. These limitations shall apply from May 1 to October 31 annually.

(1) Determine baseline loads for each point source subject to the wasteload allocation.

(a) The baseline load for each publicly–owned point source located between milepoints 9.6 and 0.0 shall be calculated as follows:

| Baseline load = | (Q) (8.34) (60) + (BPT) (Production) |
|-----------------|---|
| Where Q = | The year 2000 flow projection of the domestic contribution of the influent to the treatment plant expressed in millions of gallons per day |
| 8.34 = | Conversion factor |
| 60 = | Concentration of BOD ₅ expressed in mil- ligrams per liter |
| BPT = | The final best practicable waste treatment effluent limitations for the industrial con- tribution of the influent to the treatment plant as provided in ch. NR 284 expressed as pounds of BOD5 per ton of production. If ch. NR 284 does not apply, the best practicable waste treatment effluent limi- tations as determined under ch. NR 220 shall apply. |
| Production = | The annual average off-machine produc- tion during January 1 to December 1, 1978 expressed as tons per day |

(b) The baseline load for each nonpublicly–owned point source located between milepoints 12.0 and 9.7 shall be calculated as follows:

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Baseline load = (BPT) (Production)

- Where BPT = The final best practicable waste treatment effluent limitations for the point source which is not discharged to a publicly-owned treatment system as provided in ch. NR 284 expressed as pounds of BOD5 per ton of production. If ch. NR 284 does not apply, the best practicable waste treatment effluent limitations as determined under ch. NR 220 shall apply.
 - Production = The annual average off-machine production during January 1 to December 1, 1978 expressed as tons per day.

(2) Determine the allocation for each point source.

(a) The allocation for each publicly-owned point source located between milepoints 9.6 and 0.0 shall be a reduction in its discharge to levels appearing in Table 1-p.

(b) The allocation for each nonpublicly–owned point source located between milepoints 12.0 and 9.6 shall be a reduction in its discharge to levels appearing in Table 2–p.

(3) The flow and temperature conditions used to determine compliance with permit effluent limits shall be the representative average measurements of the flow and temperature of the previous day.

History: Cr. Register, May, 1985, No. 353, eff. 6–1–85; CR 15–085: am. (1) (a), (b) Register August 2016 No. 728, eff. 9–1–16.

Subchapter III — Development of Total Maximum Daily Loads and Effluent Limitations Developed Through Wasteload Allocations

NR 212.71 Applicability. This subchapter establishes the procedures, methodologies, and requirements to be used for determining total maximum daily loads and water quality–based effluent limitations developed through wasteload allocations for pollutants except as provided in subch. II.

History: CR 15-085: cr. Register August 2016 No. 728, eff. 9-1-16.

NR 212.72 Definitions. In addition to the definitions and abbreviations in ss. NR 205.03 and 205.04 the following definitions are applicable to the terms of this subchapter:

(1) "EPA" means the United States environmental protection agency.

(2) "Impaired water" has the meaning given in s. NR 151.002 (16m).

(3) "Increased discharge" means any increase in the concentration or mass loading of a pollutant of concern that exceeds an effluent limitation that is in effect in a current permit.

(4) "Load allocation" means the nonpoint source allocation as defined in s. NR 212.03 (14).

(5) "Loading capacity" means the greatest amount of loading that a water can receive without violating water quality standards.

(6) "Margin of safety" means a required component of the TMDL that accounts for the uncertainty in the response of the waterbody to loading reductions.

(7) "Natural background load" means loads emanating from natural sources, including but not limited to forested and undeveloped lands and from natural processes such as weathering and dissolution, which would exist in the absence of measurable impacts from human activity or influence.

(8) "New discharge" means a point source that discharges the pollutant of concern that commenced operation after the TMDL was approved by EPA and was not given a wasteload allocation in the TMDL.

(9) "Pollutant of concern" means any pollutant discharged that has an applicable TBEL, a wasteload allocation from a TMDL or watershed analysis, or is identified as needing a WQBEL to meet water quality standards.

(10) "TBEL" means technology-based effluent limitation.

(11) "TMDL" means total maximum daily load and is the sum of the individual wasteload allocations for point sources, load allocations for nonpoint sources, natural background, and a margin of safety. TMDLs can be expressed in terms of mass per time, toxicity, or other appropriate measures that relate to a state water quality standard.

(12) "Wasteload allocation" refers to the point source allocation as defined in s. NR 212.03 (22).

(13) "WQBEL" means water quality-based effluent limitation.

History: CR 15-085: cr. Register August 2016 No. 728, eff. 9-1-16.

NR 212.73 TMDL development requirements for impaired waters. (1) PURPOSE. This section establishes the procedure, methodologies, and requirements to be used for developing TMDLs.

(2) PRIORITIZATION. The department shall create and maintain an impaired waters list of waters that fail to meet water quality standards and, therefore, require the development of TMDLs or alternative remediation plans. The impaired waters list shall include a priority ranking for the development of a TMDL for all listed waters. The priority ranking shall consider the severity of the pollution, the uses to be made of such waters, and whether implementing existing TBELs and WQBELs in permits are sufficient to achieve water quality standards. By April 1 of each evennumbered year, the Department shall submit to the EPA a prioritized ranking of waters on the impaired waters list targeted for TMDL development for a two-year period. Impaired waters addressed by alternative remediation plans may be assigned a low priority for TMDL development on the impaired waters list.

Note: The impaired waters listing and priority setting process is specified in the Wisconsin Consolidated Assessment and Listing Methodology (WisCALM).

Note: Examples of remediation plans include, but are not limited to, lake protection and restoration plans, remedial action plans, environmental accountability projects, area–wide water quality management plans, adaptive management plans, and nine key element watershed plans.

(3) TMDL DEVELOPMENT. (a) The department shall establish TMDLs for impaired waters in accordance with the prioritization in sub. (1). TMDLs shall be established at levels necessary to attain and maintain applicable numeric and narrative water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. TMDLs shall take into account critical conditions for stream flow, loading, and water quality parameters.

(b) TMDLs shall be established to ensure attainment of all designated uses and applicable numeric and narrative water quality standards for the pollutant of concern including applicable numeric and narrative criteria under chs. NR 102 and 105.

(c) TMDLs may be established using a pollutant-by-pollutant or biomonitoring approach. In many cases both techniques may be needed. Site specific information should be used whenever possible.

(d) TMDLs shall include wasteload allocations for point sources and load allocations for nonpoint sources such that the sum of the allocations is not greater than the loading capacity of the water for the pollutants addressed by the TMDL, minus the sum of natural background loads, the reserve capacity and, if specified, an explicit margin of safety. Allocations shall meet the following requirements:

1. Allocations shall be distributed to sources using a baseline loading condition that is defined in the TMDL.

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2. If allocations in the TMDL are expressed as a concentration, the TMDL shall also indicate the flows, including effluent flows, assumed in the analyses.

3. If multiple EPA–approved TMDLs are prepared for impaired waters, and the TMDLs include allocations for the same pollutant for one or more of the same sources, then the applicable allocations that are protective of both immediate and downstream segments shall be used for TMDL implementation, including permitting.

4. Pollutant degradation and transport may be considered when developing allocations.

5. Natural background loads may be accounted for in a TMDL through an allocation to a single category or through individual allocations to applicable sources of natural background loads.

6. Nonpoint sources may be accounted for in a TMDL through an allocation to a single category or through individual load allocations to various nonpoint sources.

7. Point source dischargers covered through individual permits shall be assigned individual waste load allocations. Point source dischargers covered through general permits may be accounted for through an allocation to a single category or through individual wasteload allocations.

(e) TMDLs shall include a margin of safety sufficient to account for technical uncertainties in establishing the TMDL and shall describe the manner in which the margin of safety is determined and incorporated into the TMDL. The margin of safety may be provided explicitly by leaving a portion of the loading capacity unallocated, implicitly by using conservative modeling assumptions to establish wasteload allocations and load allocations, or a combination thereof. If a portion of the loading capacity is left unallocated to provide a margin of safety, the amount left unallocated shall be documented. If conservative modeling assumptions are relied on to provide a margin of safety, the specific assumptions providing the margin of safety shall be described.

(f) A portion of the TMDL may be allocated to a reserve capacity to account for new or increased discharges, or other sources not allocated in the TMDL. When such reserve allocations are not included in a TMDL, any increased loadings of the pollutant for which the TMDL was developed that are due to a new or expanded discharge may not be allowed unless the TMDL is revised to include an allocation for the new or expanded discharge or the new or expanded discharge is offset by a reduction of the pollutant in the watershed covered by the TMDL.

(4) MONITORING DATA. Monitoring data shall be collected to support the development of the TMDL and track implementation of a TMDL. Monitoring data shall be used for all of the following:

(a) To demonstrate progress towards achieving water quality standards such as quantifying pollutant reductions made through implementation of the TMDL and evaluating the effectiveness of controls being used to implement the TMDL.

(b) To validate the assumptions and scientific analysis used to establish the TMDL or revise the TMDL, if necessary.

(5) REASONABLE ASSURANCE. A TMDL, implementation plan for a TMDL, or remediation plan shall provide reasonable assurances that water quality standards will be attained within a reasonable timeframe. Determining the reasonable period of time in which water quality standards will be met is a case–specific determination considering a number of factors including, but not limited to: receiving water characteristics including persistence, behavior, and ubiquity of pollutants of concern; the types of remedial activities necessary; and available regulatory and non– regulatory controls.

History: CR 15-085: cr. Register August 2016 No. 728, eff. 9-1-16.

NR 212.74 Developing TMDLs for nearshore and open waters of the Great Lakes. This section describes

requirements for deriving TMDLs for waters of the Great Lakes system as defined in s. NR 102.22 (5) and inland lakes within the Great Lakes system with no appreciable flow relative to their volumes. This section applies to TMDLs for all pollutants excluding the following: alkalinity, ammonia, bacteria, biochemical oxygen demand, chlorine, color, dissolved oxygen, dissolved solids, pH, phosphorus, salinity, temperature, total and suspended solids, turbidity, and whole effluent toxicity. In addition to the requirements specified in s. NR 212.73, TMDLs in this section shall also meet all of the following:

(1) TMDLs shall reflect, when appropriate and when sufficient data are available, contributions to the water column from sediments inside and outside of any applicable mixing zones. TMDLs shall be sufficiently stringent so as to prevent accumulation of the pollutant of concern in sediments to levels injurious to designated or existing uses, human health, wildlife, and aquatic life.

(2) TMDLs shall reflect, when appropriate and when sufficient data are available, discharges resulting from wet weather events.

(3) TMDLs shall reflect, when appropriate and when sufficient data are available, background concentrations of pollutants stemming from atmospheric deposition, sediment release or resuspension, or as a result of chemical reactions.

History: CR 15-085: cr. Register August 2016 No. 728, eff. 9-1-16.

NR 212.75 Developing TMDLs for Great Lakes systems tributaries and connecting channels. This section describes conditions for deriving TMDLs for tributaries and connecting channels of the Great Lakes system as defined in s. NR 102.12 (1) that exhibit appreciable flows relative to their volumes. This section applies to TMDLs for all pollutants excluding the following: alkalinity, ammonia, bacteria, biochemical oxygen demand, chlorine, color, dissolved oxygen, dissolved solids, pH, phosphorus, salinity, temperature, total and suspended solids, turbidity, and whole effluent toxicity. In addition to the requirements specified in s. NR 212.73, TMDLs in this section shall also meet all of the following:

(1) TMDLs shall reflect, when appropriate and when sufficient data are available, contributions to the water column from sediments inside and outside of any applicable mixing zones. TMDLs shall be sufficiently stringent so as to prevent accumulation of the pollutant of concern in sediments to levels injurious to designated or existing uses, human health, wildlife, and aquatic life.

(2) TMDLs shall reflect, when appropriate and when sufficient data are available, discharges resulting from wet weather events.

(3) TMDLs shall reflect, when appropriate and when sufficient data are available, background concentrations of pollutants stemming from atmospheric deposition, sediment release or resuspension, or as a result of chemical reactions.

(4) Design flows shall be used unless data exist to demonstrate that an alternative stream design flow is appropriate for stream–specific and pollutant–specific conditions. For purposes of calculating a TMDL, the stream design flows shall be all of the following:

(a) The 7-day, 10-year stream design flow (7Q10), or the 4-day, 3-year biologically-based stream design flow for chronic aquatic life criteria or values.

(b) The 1-day, 10-year stream design flow (1Q10), for acute aquatic life criteria or values.

(c) The harmonic mean flow for human health criteria or values.

(d) The 90-day, 10-year flow (90Q10) for wildlife criteria.

(e) TMDLs, calculated using dynamic modeling are not required to incorporate the stream design flows specified in pars. (a) to (d) of this procedure.

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NR 212.75

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(5) The loading capacity is initially calculated at the farthest downstream location for the impaired reach by multiplying the applicable criterion or target value by the flow condition described in sub. (4). The loading capacity is then compared to the loadings at sites within the basin to assure that applicable numeric criteria or values for a given pollutant are not exceeded at all applicable sites. The lowest load is then selected as the loading capacity to be consistent with the attainment of each applicable numeric criterion or value for a given pollutant.

History: CR 15-085: cr. Register August 2016 No. 728, eff. 9-1-16.

NR 212.76 Establishing WQBELs for publicly and privately owned wastewater facilities or treatment works. (1) WQBEL CALCULATION PROCEDURES. Calculation of WQBELs derived from TMDL wasteload allocations shall be derived consistent with the wasteload allocation and assumptions of an EPA-approved TMDL. The department shall use scientifically defensible methods to calculate these WQBELs. All of the following conditions shall apply when calculating WQBELs derived from TMDL wasteload allocations:

(a) WQBELs shall be expressed as mass limitations unless the pollutant cannot appropriately be expressed by mass or a mass limitation is infeasible because the mass of the pollutant cannot be related to a measure of operation.

(b) When establishing WQBELs in permits the department shall ensure that substances are not present in amounts that are acutely toxic to animals, plants, or aquatic life in all surface waters including those portions of the mixing zone normally habitable by aquatic life and effluent channels as required by s. NR 102.04 (1).

(c) When establishing WQBELs in permits the department shall ensure that substances are not exceeding applicable chronic toxicity criteria, wildlife criteria, taste and odor criteria, human threshold criteria, human cancer criteria, and secondary values, as specified in chs. NR 102 to 105, after dilution with an appropriate allowable quantity of receiving water flow unless the conditions specified in s. NR 102.05 (3) or the TMDL wasteload allocation require less dilution or no dilution be allowed. WQBELs may be more restrictive than the applicable water quality criteria in order to be consistent with the wasteload allocation and assumptions of an EPA–approved TMDL.

(2) WQBEL CALCULATION PROCEDURES IN GREAT LAKES BASIN. In addition to the requirements in sub. (1), WQBELs derived from TMDLs under ss. NR 212.74 and 212.75 shall also meet all of the following:

(a) WQBELs shall be sufficiently stringent to ensure that accumulation of the pollutant of concern cannot occur in sediments at levels injurious to designated or existing uses, human health, wildlife, or aquatic life.

(b) When establishing WQBELs in permits the department shall assume that the pollutant of concern does not degrade over time unless any the following conditions are met:

1. Scientifically valid field studies or other relevant information demonstrate that degradation of the pollutant is expected to occur under the full range of environmental conditions expected.

2. Scientifically valid field studies or other relevant information address other factors that affect the level of pollutants in the water column including suspension of sediments, chemical speciation, and biological and chemical transformation. (3) MIXING ZONES FOR BIOACCUMULATIVE CHEMICALS OF CON-CERN (BCCS). WQBELs derived from TMDL wasteload allocations for BCCs shall be consistent with and no less stringent than the mixing zone provisions under s. NR 106.06 (2).

(4) EXPRESSION OF LIMITS. WQBELs derived from TMDL wasteload allocations shall be expressed consistent with the provisions specified in s. NR 205.065 unless impracticable or an alternative expression of limitations is determined appropriate by the department and is consistent with the assumptions of the TMDL.

(5) COMPLIANCE SCHEDULES. When a permit is issued, reissued, or modified with new WQBELs based on a TMDL established using the procedures in this subchapter, the department may include a compliance schedule to achieve compliance with the TMDL based limitation if the permittee's treatment system is unable to immediately comply with the limitation. The compliance schedule shall meet all of the following conditions:

(a) The schedule of compliance will lead to compliance with the water quality based effluent limitation as soon as possible.

(b) The compliance schedule may not extend beyond the expiration date of the permit unless extended compliance schedules are authorized in ch. NR 217, other Wisconsin administrative code chapters, or a TMDL schedule in an approved areawide water quality management plan under ch. NR 121. Compliance schedules for toxic and organoleptic substances shall be consistent with the requirements of s. NR 106.117.

(c) Dates between interim compliance steps in the compliance schedule may not exceed one year.

(d) Development and implementation of an optimization plan or pollution minimization plan may be included as part of the compliance schedule as a means of complying with the effluent limitation.

(6) RELATIONSHIP OF WQBELS DERIVED FROM TMDL WASTE-LOAD ALLOCATIONS AND OTHER WQBELS. The department may include WQBELs derived from TMDL wasteload allocations in a permit in addition to, or in lieu of, other WQBELS.

History: CR 15-085: cr. Register August 2016 No. 728, eff. 9-1-16.

NR 212.77 Public Participation. (1) The department shall conduct an informational public hearing and provide an opportunity for the public to comment on a proposed TMDL before the TMDL is submitted to EPA for approval. The minimum time period for written comments shall be 30 days from the date of public notice of a TMDL. The department shall post notice of a proposed TMDL on the department's website.

(2) Once a TMDL is approved by EPA, the TMDL is automatically incorporated into all applicable areawide water quality management plans, lake management plans, or remedial action plans.

(3) The department may not impose a WQBEL based on a TMDL in a permit under s. NR 212.76 (6), until the TMDL has been approved by EPA.

(4) The department shall provide public notice and provide an opportunity for comment on a calculated WQBEL that is derived from the EPA–approved TMDL during the public notice and comment period on the permit as provided in ch. NR 203 and ch. 283, Stats.

History: CR 15-085: cr. Register August 2016 No. 728, eff. 9-1-16.