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**Streamflow Forecast Summary: January 1, 2015**
**(averages based on 1981-2010 reference period)**

| KOOTENAI RIVER BASIN in MONTANA | Forecast Period | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast<br>90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|---|---|---|---|---|---|---|---|---|
| Tobacco R nr Eureka | | | | | | | | |
| | APR-JUL | 62 | 85 | 101 | 80% | 117 | 140 | 126 |
| | APR-SEP | 70 | 95 | 113 | 81% | 130 | 155 | 140 |
| Libby Reservoir Inflow[1] | | | | | | | | |
| | APR-JUL | 4010 | 4850 | 5230 | 98% | 5610 | 6450 | 5340 |
| | APR-SEP | 4780 | 5630 | 6010 | 96% | 6400 | 7240 | 6250 |
| Fisher R nr Libby | | | | | | | | |
| | APR-JUL | 87 | 140 | 176 | 86% | 210 | 265 | 205 |
| | APR-SEP | 96 | 151 | 188 | 85% | 225 | 280 | 220 |
| Yaak R nr Troy | | | | | | | | |
| | APR-JUL | 170 | 260 | 325 | 77% | 385 | 480 | 420 |
| | APR-SEP | 184 | 280 | 340 | 77% | 405 | 500 | 440 |
| Kootenai R at Leonia[1,2] | | | | | | | | |
| | APR-JUL | 4900 | 5960 | 6440 | 98% | 6920 | 7980 | 6600 |
| | APR-SEP | 5700 | 6770 | 7260 | 96% | 7750 | 8820 | 7590 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| FLATHEAD RIVER BASIN | Forecast Period | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast<br>90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|---|---|---|---|---|---|---|---|---|
| NF Flathead R nr Columbia Falls | | | | | | | | |
| | APR-JUL | 1250 | 1460 | 1600 | 104% | 1750 | 1960 | 1540 |
| | APR-SEP | 1390 | 1620 | 1770 | 104% | 1920 | 2150 | 1700 |
| MF Flathead R nr West Glacier | | | | | | | | |
| | APR-JUL | 1230 | 1460 | 1610 | 107% | 1760 | 1980 | 1500 |
| | APR-SEP | 1350 | 1590 | 1750 | 107% | 1910 | 2140 | 1630 |
| Sf Flathead R nr Hungry Horse | | | | | | | | |
| | APR-JUL | 1070 | 1250 | 1380 | 117% | 1500 | 1680 | 1180 |
| | APR-SEP | 1140 | 1330 | 1460 | 116% | 1590 | 1780 | 1260 |
| Hungry Horse Reservoir Inflow[1,2] | | | | | | | | |
| | APR-JUL | 1610 | 2010 | 2200 | 118% | 2380 | 2780 | 1860 |
| | APR-SEP | 1720 | 2130 | 2320 | 117% | 2510 | 2920 | 1980 |
| Flathead R at Columbia Falls[2] | | | | | | | | |
| | APR-JUL | 4370 | 5050 | 5510 | 110% | 5980 | 6660 | 5020 |
| | APR-SEP | 4770 | 5480 | 5970 | 110% | 6450 | 7160 | 5450 |
| Ashley Ck nr Marion[2] | | | | | | | | |
| | MAR | 0.27 | 0.76 | 1.09 | 92% | 1.42 | 1.91 | 1.19 |
| | APR-JUL | 4.3 | 5.9 | 7 | 108% | 8.1 | 9.7 | 6.5 |
| Swan R nr Bigfork | | | | | | | | |
| | APR-JUL | 480 | 560 | 615 | 118% | 665 | 745 | 520 |
| | APR-SEP | 550 | 635 | 695 | 117% | 755 | 845 | 595 |
| Flathead Lake Inflow[1,2] | | | | | | | | |
| | APR-JUL | 4620 | 5830 | 6380 | 110% | 6930 | 8140 | 5810 |
| | APR-SEP | 5020 | 6300 | 6880 | 110% | 7470 | 8750 | 6270 |
| Mill Ck ab Bassoo ck nr Niarada | | | | | | | | |
| | APR-JUL | 2.3 | 3.6 | 4.5 | 113% | 5.4 | 6.7 | 4 |
| | APR-SEP | 2.5 | 3.9 | 4.8 | 109% | 5.8 | 7.1 | 4.4 |
| South Crow Ck nr Ronan | | | | | | | | |
| | APR-JUL | 8.9 | 10.4 | 11.4 | 113% | 12.4 | 13.9 | 10.1 |
| | APR-SEP | 10.3 | 11.9 | 13.1 | 113% | 14.2 | 15.8 | 11.6 |
| Mission Ck nr St. Ignatius | | | | | | | | |
| | APR-JUL | 23 | 25 | 27 | 108% | 29 | 31 | 25 |
| | APR-SEP | 28 | 31 | 33 | 110% | 35 | 38 | 30 |
| SF Jocko R nr Arlee | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | APR-JUL | 32 | 37 | 41 | 124% | 45 | 51 | 33 |
| | APR-SEP | 36 | 42 | 46 | 124% | 50 | 56 | 37 |
| NF Jocko R bl Tabor Feeder Canal | | | | | | | | |
| | APR-JUL | 29 | 33 | 36 | 116% | 38 | 42 | 31 |
| | APR-SEP | 31 | 35 | 38 | 115% | 41 | 44 | 33 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **UPPER CLARK FORK RIVER BASIN** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Little Blackfoot nr Garrison | | | | | | | | |
| | APR-JUL | 47 | 71 | 87 | 124% | 103 | 127 | 70 |
| | APR-SEP | 52 | 77 | 95 | 123% | 112 | 137 | 77 |
| Flint Ck nr Southern Cross | | | | | | | | |
| | APR-JUL | 10.6 | 14.7 | 17.5 | 141% | 20 | 24 | 12.4 |
| | APR-SEP | 12.1 | 17.3 | 21 | 144% | 24 | 29 | 14.6 |
| Flint Ck bl Boulder Ck | | | | | | | | |
| | APR-JUL | 45 | 61 | 72 | 138% | 83 | 99 | 52 |
| | APR-SEP | 58 | 77 | 90 | 136% | 103 | 122 | 66 |
| Lower Willow Ck Reservoir Inflow[2] | | | | | | | | |
| | APR-MAY | 7 | 9.7 | 11.5 | 158% | 13.4 | 16.1 | 7.3 |
| | APR-JUL | 8.8 | 13.4 | 16.5 | 156% | 19.7 | 24 | 10.6 |
| MF Rock Ck nr Philipsburg | | | | | | | | |
| | APR-JUL | 52 | 63 | 71 | 122% | 79 | 90 | 58 |
| | APR-SEP | 59 | 71 | 79 | 122% | 88 | 100 | 65 |
| Rock Ck nr Clinton | | | | | | | | |
| | APR-JUL | 215 | 275 | 315 | 126% | 360 | 420 | 250 |
| | APR-SEP | 245 | 310 | 355 | 127% | 400 | 465 | 280 |
| Clark Fork R ab Milltown | | | | | | | | |
| | APR-JUL | 405 | 575 | 690 | 130% | 805 | 970 | 530 |
| | APR-SEP | 485 | 670 | 795 | 129% | 920 | 1100 | 615 |
| Nevada Ck nr Helmville | | | | | | | | |
| | APR-MAY | 4.8 | 8 | 10.3 | 123% | 12.5 | 15.8 | 8.4 |
| | APR-JUL | 8.5 | 13.9 | 17.5 | 123% | 21 | 26 | 14.2 |
| Blackfoot R nr Bonner | | | | | | | | |
| | APR-JUL | 525 | 700 | 820 | 114% | 940 | 1120 | 720 |
| | APR-SEP | 590 | 780 | 910 | 114% | 1040 | 1230 | 800 |
| Clark Fork R ab Missoula | | | | | | | | |
| | APR-JUL | 1020 | 1320 | 1530 | 122% | 1730 | 2040 | 1250 |
| | APR-SEP | 1180 | 1500 | 1720 | 121% | 1940 | 2260 | 1420 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **BITTERROOT RIVER BASIN** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| WF Bitterroot R Nr Conner[2] | | | | | | | | |
| | APR-JUL | 81 | 119 | 144 | 113% | 170 | 210 | 128 |
| | APR-SEP | 87 | 129 | 157 | 113% | 186 | 225 | 139 |
| Bitterroot R Nr Darby | | | | | | | | |
| | APR-JUL | 265 | 380 | 455 | 111% | 535 | 645 | 410 |
| | APR-SEP | 325 | 440 | 520 | 111% | 595 | 710 | 470 |
| Como Reservoir Inflow[2] | | | | | | | | |
| | APR-JUL | 66 | 78 | 86 | 113% | 93 | 105 | 76 |
| | APR-SEP | 70 | 82 | 90 | 114% | 98 | 110 | 79 |
| Bitterroot R nr Missoula | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | APR-JUL | 855 | 1130 | 1320 | 115% | 1510 | 1790 | 1150 |
| | APR-SEP | 945 | 1240 | 1440 | 115% | 1640 | 1930 | 1250 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LOWER CLARK FORK RIVER BASIN** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Clark Fork R bl Missoula | | | | | | | | |
| | APR-JUL | 1940 | 2460 | 2820 | 118% | 3180 | 3710 | 2400 |
| | APR-SEP | 2200 | 2760 | 3140 | 118% | 3510 | 4070 | 2670 |
| Clark Fork R at St. Regis[1] | | | | | | | | |
| | APR-JUL | 2310 | 3280 | 3720 | 118% | 4160 | 5130 | 3160 |
| | APR-SEP | 2660 | 3680 | 4140 | 118% | 4600 | 5610 | 3510 |
| Clark Fork R nr Plains[1,2] | | | | | | | | |
| | APR-JUL | 7500 | 9500 | 10400 | 113% | 11300 | 13300 | 9200 |
| | APR-SEP | 8340 | 10400 | 11400 | 113% | 12400 | 14500 | 10100 |
| Thompson nr Tompson Falls | | | | | | | | |
| | APR-JUL | 103 | 150 | 182 | 101% | 215 | 260 | 181 |
| | APR-SEP | 121 | 171 | 205 | 100% | 240 | 290 | 205 |
| Prospect Ck at Thompson Falls | | | | | | | | |
| | APR-JUL | 67 | 91 | 107 | 105% | 123 | 147 | 102 |
| | APR-SEP | 74 | 98 | 115 | 105% | 131 | 156 | 110 |
| Clark Fork R at Whitehorse Rapids[1,2] | | | | | | | | |
| | APR-JUL | 8470 | 10700 | 11800 | 112% | 12800 | 15000 | 10500 |
| | APR-SEP | 9450 | 11800 | 12900 | 112% | 14000 | 16400 | 11500 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **JEFFERSON RIVER BASIN** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Lima Reservoir Inflow[2] | | | | | | | | |
| | APR-JUL | 29 | 50 | 65 | 79% | 80 | 101 | 82 |
| | APR-SEP | 28 | 52 | 69 | 78% | 86 | 110 | 89 |
| Clark Canyon Inflow[2] | | | | | | | | |
| | APR-JUL | -15 | 39 | 79 | 78% | 119 | 178 | 101 |
| | APR-SEP | -4 | 52 | 96 | 80% | 140 | 205 | 120 |
| Beaverhead R at Barretts[2] | | | | | | | | |
| | APR-JUL | 25 | 59 | 110 | 85% | 161 | 235 | 129 |
| | APR-SEP | 35 | 74 | 134 | 86% | 193 | 280 | 156 |
| Ruby R Reservoir Inflow[2] | | | | | | | | |
| | APR-JUL | 26 | 46 | 59 | 77% | 72 | 92 | 77 |
| | APR-SEP | 34 | 56 | 72 | 79% | 87 | 110 | 91 |
| Big Hole R at Wisdom | | | | | | | | |
| | APR-JUL | 46 | 97 | 132 | 129% | 167 | 220 | 102 |
| | APR-SEP | 49 | 103 | 140 | 130% | 177 | 230 | 108 |
| Big Hole R nr Melrose | | | | | | | | |
| | APR-JUL | 445 | 595 | 700 | 136% | 805 | 955 | 515 |
| | APR-SEP | 475 | 640 | 750 | 134% | 865 | 1030 | 560 |
| Jefferson R nr Twin Bridges[2] | | | | | | | | |
| | APR-JUL | 380 | 630 | 800 | 116% | 970 | 1220 | 690 |
| | APR-SEP | 395 | 675 | 865 | 118% | 1050 | 1330 | 730 |
| Boulder R nr Boulder | | | | | | | | |
| | APR-JUL | 50 | 68 | 80 | 116% | 92 | 110 | 69 |
| | APR-SEP | 54 | 73 | 86 | 116% | 99 | 118 | 74 |
| Willow Ck Reservoir Inflow[2] | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | APR-JUL | 4.6 | 11.6 | 16.4 | 98% | 21 | 28 | 16.8 |
| | APR-SEP | 7.3 | 14.9 | 20 | 104% | 25 | 33 | 19.3 |
| Jefferson R nr Three Forks[2] | | | | | | | | |
| | APR-JUL | 315 | 590 | 775 | 105% | 960 | 1240 | 740 |
| | APR-SEP | 335 | 640 | 845 | 106% | 1050 | 1360 | 800 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **MADISON RIVER BASIN** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Hebgen Reservoir Inflow[2] | | | | | | | | |
| | APR-JUL | 245 | 295 | 330 | 89% | 365 | 415 | 370 |
| | APR-SEP | 320 | 380 | 425 | 90% | 465 | 525 | 470 |
| Ennis Reservoir Inflow[2] | | | | | | | | |
| | APR-JUL | 390 | 480 | 545 | 87% | 610 | 700 | 625 |
| | APR-SEP | 505 | 615 | 690 | 89% | 760 | 870 | 775 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **GALLATIN RIVER BASIN** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Gallatin R nr Gateway | | | | | | | | |
| | APR-JUL | 260 | 325 | 370 | 93% | 415 | 480 | 400 |
| | APR-SEP | 305 | 380 | 430 | 91% | 480 | 555 | 470 |
| Hyalite Reservoir Inflow[2] | | | | | | | | |
| | APR-JUL | 15.9 | 18.3 | 20 | 100% | 22 | 24 | 20 |
| | APR-SEP | 18.4 | 21 | 23 | 100% | 25 | 27 | 23 |
| Gallatin R at Logan | | | | | | | | |
| | APR-JUL | 235 | 345 | 420 | 95% | 495 | 605 | 440 |
| | APR-SEP | 280 | 400 | 485 | 96% | 570 | 690 | 505 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **SMITH-JUDITH-MUSSELSHELL** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Sheep Ck nr White Sulphur Springs | | | | | | | | |
| | APR-JUL | 13 | 16.4 | 18.8 | 121% | 21 | 25 | 15.5 |
| | APR-SEP | 15.5 | 19.4 | 22 | 120% | 25 | 29 | 18.4 |
| Smith R bl Eagle Ck[2] | | | | | | | | |
| | APR-JUL | 73 | 106 | 128 | 121% | 150 | 183 | 106 |
| | APR-SEP | 82 | 120 | 145 | 125% | 171 | 210 | 116 |
| NF Musselshell R nr Delpine | | | | | | | | |
| | APR-JUL | 1.17 | 2.8 | 3.9 | 115% | 5.1 | 6.7 | 3.4 |
| | APR-SEP | 1.45 | 3.3 | 4.6 | 115% | 5.9 | 7.8 | 4 |
| SF Musselshell R ab Martinsdale | | | | | | | | |
| | APR-JUL | 1 | 22 | 37 | 106% | 52 | 74 | 35 |
| | APR-SEP | 1 | 23 | 39 | 103% | 55 | 78 | 38 |
| Musselshell R at Harlowton[2] | | | | | | | | |
| | APR-JUL | 2.8 | 40 | 66 | 116% | 91 | 128 | 57 |
| | APR-SEP | 0.73 | 41 | 68 | 115% | 95 | 135 | 59 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Musselshell R nr Roundup[2] | | | | | | | | |
| | APR-JUL | -23 | 24 | 79 | 118% | 135 | 215 | 67 |
| | APR-SEP | -26 | 23 | 79 | 120% | 135 | 215 | 66 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **SUN-TETON-MARIAS** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Gibson Reservoir Inflow | | | | | | | | |
| | APR-JUL | 305 | 375 | 425 | 108% | 475 | 545 | 395 |
| | APR-SEP | 345 | 420 | 470 | 107% | 520 | 595 | 440 |
| Two Medicine R nr Browning[2] | | | | | | | | |
| | APR-JUL | 135 | 165 | 185 | 101% | 205 | 235 | 183 |
| | APR-SEP | 145 | 175 | 195 | 101% | 215 | 245 | 194 |
| Badger Ck nr Browning | | | | | | | | |
| | APR-JUL | 56 | 76 | 90 | 102% | 104 | 124 | 88 |
| | APR-SEP | 68 | 89 | 104 | 101% | 119 | 140 | 103 |
| Swift Reservoir Inflow[2] | | | | | | | | |
| | APR-JUL | 36 | 48 | 57 | 100% | 66 | 78 | 57 |
| | APR-SEP | 44 | 58 | 67 | 100% | 76 | 90 | 67 |
| Dupuyer Ck nr Valier | | | | | | | | |
| | APR-JUL | 1.5 | 6.8 | 11.7 | 105% | 16.6 | 24 | 11.1 |
| | APR-SEP | 1.8 | 7.5 | 12.9 | 102% | 18.3 | 26 | 12.7 |
| Cut Bank Ck nr Browning | | | | | | | | |
| | APR-JUL | 44 | 60 | 71 | 103% | 82 | 98 | 69 |
| | APR-SEP | 49 | 66 | 78 | 104% | 90 | 107 | 75 |
| Marias R nr Shelby[2] | | | | | | | | |
| | APR-JUL | 181 | 300 | 380 | 110% | 460 | 580 | 345 |
| | APR-SEP | 185 | 305 | 390 | 108% | 475 | 595 | 360 |
| Teton R nr Dutton | | | | | | | | |
| | APR-JUL | 2 | 26 | 45 | 107% | 64 | 92 | 42 |
| | APR-SEP | 2.4 | 32 | 52 | 108% | 72 | 102 | 48 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ST. MARY & MILK BASINS** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Lake Sherburne Inflow | | | | | | | | |
| | APR-JUL | 70 | 82 | 90 | 93% | 98 | 110 | 97 |
| | APR-SEP | 84 | 96 | 105 | 94% | 113 | 125 | 112 |
| St. Mary R nr Babb[2] | | | | | | | | |
| | APR-JUL | 255 | 300 | 335 | 91% | 370 | 420 | 370 |
| | APR-SEP | 305 | 355 | 390 | 92% | 425 | 475 | 425 |
| St. Mary R at Intl Boundary[2] | | | | | | | | |
| | APR-JUL | 270 | 340 | 385 | 89% | 435 | 505 | 435 |
| | APR-SEP | 330 | 400 | 450 | 89% | 500 | 570 | 505 |
| Milk R at Western Crossing of Intl Bndry, AB | | | | | | | | |
| | MAR-SEP | 20 | 27 | 35 | 107% | 46 | 61 | 32.77 |
| Milk R at Eastern Crossing of Intl Bndry | | | | | | | | |
| | MAR-SEP | 44 | 63 | 84 | 103% | 105 | 155 | 81.6 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

| MISSOURI MAINSTEM BASIN | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|---|---|---|---|---|---|---|---|---|
| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
| Missouri R at Toston[2] | | | | | | | | |
| | APR-JUL | 965 | 1420 | 1730 | 97% | 2040 | 2500 | 1790 |
| | APR-SEP | 1120 | 1650 | 2010 | 97% | 2370 | 2900 | 2070 |
| Dearborn R nr Craig | | | | | | | | |
| | APR-JUL | 48 | 75 | 92 | 103% | 110 | 137 | 89 |
| | APR-SEP | 54 | 81 | 100 | 105% | 119 | 146 | 95 |
| Missouri R at Fort Benton[2] | | | | | | | | |
| | APR-JUL | 1570 | 2170 | 2570 | 98% | 2970 | 3560 | 2610 |
| | APR-SEP | 1900 | 2600 | 3070 | 99% | 3540 | 4240 | 3110 |
| Missouri R nr Virgelle[2] | | | | | | | | |
| | APR-JUL | 1860 | 2520 | 2970 | 99% | 3420 | 4080 | 3000 |
| | APR-SEP | 2170 | 2950 | 3480 | 99% | 4000 | 4780 | 3520 |
| Missouri R nr Landusky[2] | | | | | | | | |
| | APR-JUL | 2010 | 2700 | 3160 | 100% | 3630 | 4320 | 3160 |
| | APR-SEP | 2350 | 3160 | 3710 | 100% | 4270 | 5080 | 3720 |
| Missouri R bl Fort Peck Dam[2] | | | | | | | | |
| | APR-JUL | 2080 | 2780 | 3260 | 101% | 3730 | 4440 | 3240 |
| | APR-SEP | 2170 | 3080 | 3700 | 100% | 4310 | 5220 | 3700 |
| Lake Sakakawea Inflow[2] | | | | | | | | |
| | APR-JUL | 5920 | 7530 | 8630 | 104% | 9730 | 11300 | 8310 |
| | APR-SEP | 6370 | 8380 | 9750 | 104% | 11100 | 13100 | 9400 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| UPPER YELLOWSTONE RIVER BASIN | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|---|---|---|---|---|---|---|---|---|
| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
| Yellowstone R at Yellowstone Lake Outlet | | | | | | | | |
| | APR-JUL | 430 | 515 | 570 | 99% | 625 | 710 | 575 |
| | APR-SEP | 570 | 675 | 750 | 97% | 825 | 930 | 770 |
| Yellowstone R at Corwin Springs | | | | | | | | |
| | APR-JUL | 1360 | 1560 | 1700 | 107% | 1840 | 2040 | 1590 |
| | APR-SEP | 1600 | 1840 | 2000 | 106% | 2160 | 2400 | 1880 |
| Yellowstone R at Livingston | | | | | | | | |
| | APR-JUL | 1540 | 1780 | 1940 | 108% | 2100 | 2340 | 1800 |
| | APR-SEP | 1820 | 2100 | 2290 | 107% | 2470 | 2750 | 2140 |
| Shields R nr Livingston | | | | | | | | |
| | APR-JUL | 25 | 85 | 126 | 98% | 167 | 225 | 129 |
| | APR-SEP | 26 | 92 | 137 | 96% | 182 | 250 | 143 |
| Boulder R at Big Timber | | | | | | | | |
| | APR-JUL | 196 | 245 | 275 | 98% | 305 | 355 | 280 |
| | APR-SEP | 205 | 260 | 295 | 98% | 330 | 385 | 300 |
| Mystic Lake Inflow[2] | | | | | | | | |
| | APR-JUL | 51 | 57 | 61 | 103% | 65 | 71 | 59 |
| | APR-SEP | 65 | 73 | 78 | 105% | 83 | 91 | 74 |
| Stillwater R nr Absarokee[2] | | | | | | | | |
| | APR-JUL | 350 | 415 | 455 | 102% | 500 | 565 | 445 |
| | APR-SEP | 415 | 490 | 540 | 104% | 590 | 665 | 520 |
| Clarks Fk Yellowstone R nr Belfry | | | | | | | | |
| | APR-JUL | 460 | 525 | 570 | 112% | 615 | 680 | 510 |
| | APR-SEP | 495 | 565 | 615 | 112% | 665 | 735 | 550 |
| Cooney Reservoir Inflow | | | | | | | | |
| | APR-JUL | 13.4 | 26 | 35 | 92% | 44 | 57 | 38 |
| | APR-SEP | 20 | 34 | 44 | 92% | 54 | 68 | 48 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Yellowstone R at Billings | | | | | | | | |
| | APR-JUL | 2640 | 3140 | 3470 | 107% | 3810 | 4310 | 3230 |
| | APR-SEP | 3030 | 3620 | 4020 | 108% | 4420 | 5020 | 3730 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

| | | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **LOWER YELLOWSTONE RIVER BASIN (Wyoming)** | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
| Bighorn R nr St. Xavier[2] | | | | | | | | |
| | APR-JUL | 825 | 1160 | 1400 | 101% | 1630 | 1970 | 1380 |
| | APR-SEP | 835 | 1220 | 1480 | 101% | 1740 | 2130 | 1460 |
| Little Bighorn R nr Hardin | | | | | | | | |
| | APR-JUL | 36 | 67 | 88 | 90% | 109 | 140 | 98 |
| | APR-SEP | 43 | 77 | 100 | 90% | 123 | 157 | 111 |
| Tongue R nr Dayton[2] | | | | | | | | |
| | APR-JUL | 45 | 66 | 80 | 93% | 93 | 114 | 86 |
| | APR-SEP | 54 | 76 | 91 | 93% | 106 | 128 | 98 |
| Big Goose Ck nr Sheridan | | | | | | | | |
| | APR-JUL | 24 | 36 | 44 | 96% | 52 | 64 | 46 |
| | APR-SEP | 31 | 44 | 52 | 96% | 60 | 73 | 54 |
| Little Goose Ck nr Bighorn | | | | | | | | |
| | APR-JUL | 17 | 25 | 30 | 97% | 35 | 43 | 31 |
| | APR-SEP | 24 | 32 | 38 | 97% | 44 | 52 | 39 |
| Tongue River Reservoir Inflow[2] | | | | | | | | |
| | APR-JUL | 65 | 132 | 178 | 92% | 225 | 290 | 193 |
| | APR-SEP | 81 | 151 | 199 | 93% | 245 | 315 | 215 |
| Yellowstone R at Miles City[2] | | | | | | | | |
| | APR-JUL | 3600 | 4450 | 5020 | 105% | 5600 | 6450 | 4780 |
| | APR-SEP | 4060 | 5060 | 5730 | 105% | 6410 | 7410 | 5450 |
| Powder R at Moorehead | | | | | | | | |
| | APR-JUL | 73 | 142 | 189 | 107% | 235 | 305 | 177 |
| | APR-SEP | 88 | 160 | 210 | 107% | 260 | 330 | 196 |
| Powder R nr Locate | | | | | | | | |
| | APR-JUL | 74 | 157 | 215 | 108% | 270 | 355 | 199 |
| | APR-SEP | 86 | 176 | 235 | 107% | 300 | 390 | 220 |
| Yellowstone R nr Sidney[2] | | | | | | | | |
| | APR-JUL | 3490 | 4450 | 5110 | 106% | 5770 | 6740 | 4830 |
| | APR-SEP | 3830 | 4970 | 5750 | 106% | 6520 | 7670 | 5430 |

1) 90% and 10% exceedance probabilities are actually 95% and 5%
2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average