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Streamflow Forecast Summary: April 1, 2019
(averages based on 1981-2010 reference period)

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

| KOOTENAI RIVER BASIN in MONTANA | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|--|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| Tobacco R nr Eureka | APR-JUL | 54 | 76 | 90 | 71% | 105 | 127 | 126 |
| | APR-SEP | 60 | 85 | 101 | 72% | 118 | 142 | 140 |
| Libby Reservoir Inflow ¹ | APR-JUL | 2890 | 3650 | 4000 | 75% | 4350 | 5110 | 5340 |
| | APR-SEP | 3510 | 4330 | 4700 | 75% | 5070 | 5890 | 6250 |
| Fisher R nr Libby | | | | | | | | |
| Yaak R nr Troy | APR-JUL | 205 | 270 | 310 | 74% | 355 | 415 | 420 |
| | APR-SEP | 215 | 285 | 330 | 75% | 375 | 440 | 440 |
| Kootenai R at Leonia ^{1,2} | APR-JUL | 3700 | 4580 | 4980 | 75% | 5380 | 6260 | 6600 |
| | APR-SEP | 4420 | 5350 | 5780 | 76% | 6200 | 7140 | 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

Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

| FLATHEAD RIVER BASIN | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|--|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| NF Flathead R nr Columbia Falls | APR-JUL | 940 | 1080 | 1180 | 77% | 1280 | 1420 | 1540 |
| | APR-SEP | 1050 | 1200 | 1310 | 77% | 1420 | 1570 | 1700 |
| MF Flathead R nr West Glacier | APR-JUL | 955 | 1090 | 1190 | 79% | 1280 | 1420 | 1500 |
| | APR-SEP | 1040 | 1190 | 1290 | 79% | 1390 | 1540 | 1630 |
| Sf Flathead R nr Hungry Horse | APR-JUL | 735 | 865 | 955 | 79% | 1040 | 1170 | 1210 |
| | APR-SEP | 780 | 920 | 1010 | 78% | 1110 | 1240 | 1290 |
| Hungry Horse Reservoir Inflow ^{1,2} | APR-JUL | 1060 | 1350 | 1480 | 80% | 1610 | 1900 | 1860 |
| | APR-SEP | 1120 | 1430 | 1570 | 79% | 1710 | 2020 | 1980 |
| Flathead R at Columbia Falls ² | APR-JUL | 3150 | 3610 | 3910 | 78% | 4220 | 4680 | 5020 |
| | APR-SEP | 3420 | 3920 | 4250 | 78% | 4590 | 5080 | 5450 |
| Ashley Ck nr Marion ² | | | | | | | | |
| Swan R nr Bigfork | APR-JUL | 305 | 365 | 405 | 78% | 445 | 505 | 520 |
| | APR-SEP | 345 | 415 | 460 | 77% | 505 | 575 | 595 |
| Flathead Lake Inflow ^{1,2} | APR-JUL | 3290 | 4140 | 4530 | 78% | 4920 | 5770 | 5810 |
| | APR-SEP | 3440 | 4420 | 4860 | 78% | 5300 | 6280 | 6270 |
| Mill Ck ab Bassoo ck nr Niarada | APR-JUL | 1.7 | 2.4 | 3 | 75% | 3.6 | 4.7 | 4 |
| | APR-SEP | 1.86 | 2.6 | 3.2 | 73% | 3.8 | 4.9 | 4.4 |
| South Crow Ck nr Ronan | APR-JUL | 6.6 | 8.2 | 9.3 | 92% | 10.4 | 12 | 10.1 |
| | APR-SEP | 7.5 | 9.4 | 10.7 | 92% | 12 | 13.9 | 11.6 |
| Mission Ck nr St. Ignatius | APR-JUL | 19.6 | 23 | 25 | 100% | 27 | 30 | 25 |
| | APR-SEP | 22 | 26 | 29 | 97% | 32 | 36 | 30 |
| SF Jocko R nr Arlee | APR-JUL | 19.8 | 25 | 29 | 88% | 33 | 38 | 33 |
| | APR-SEP | 23 | 29 | 33 | 89% | 37 | 43 | 37 |

NF Jocko R bl Tabor Feeder Canal

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- 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

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| Forecast Exceedance Probabilities for Risk Assessment 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 | | | | | | | | |
| Flint Ck nr Southern Cross | | | | | | | | |
| | APR-JUL | 6.1 | 9.8 | 12.3 | 99% | 14.8 | 18.5 | 12.4 |
| | APR-SEP | 6.8 | 11.3 | 14.4 | 99% | 17.4 | 22 | 14.6 |
| Flint Ck bl Boulder Ck | | | | | | | | |
| | APR-JUL | 30 | 44 | 53 | 102% | 62 | 76 | 52 |
| | APR-SEP | 39 | 55 | 66 | 100% | 77 | 93 | 66 |
| Lower Willow Ck Reservoir Inflow ² | | | | | | | | |
| | APR-JUL | 7.8 | 10.9 | 13 | 124% | 15.1 | 18.2 | 10.5 |
| | APR-SEP | 8.6 | 11.8 | 14 | 124% | 16.2 | 19.4 | 11.3 |
| MF Rock Ck nr Philipsburg | | | | | | | | |
| | APR-JUL | 36 | 46 | 52 | 90% | 58 | 68 | 58 |
| | APR-SEP | 42 | 52 | 59 | 91% | 66 | 76 | 65 |
| Rock Ck nr Clinton | | | | | | | | |
| | APR-JUL | 172 | 220 | 250 | 100% | 280 | 330 | 250 |
| | APR-SEP | 191 | 240 | 275 | 98% | 310 | 360 | 280 |
| Clark Fork R ab Milltown | | | | | | | | |
| | APR-JUL | 320 | 450 | 540 | 102% | 630 | 760 | 530 |
| | APR-SEP | 375 | 520 | 615 | 100% | 715 | 860 | 615 |
| Nevada Ck nr Helmville | | | | | | | | |
| | APR-JUL | 3.5 | 9.2 | 13 | 92% | 16.8 | 22 | 14.2 |
| | APR-SEP | 4.4 | 10.4 | 14.5 | 93% | 18.6 | 25 | 15.6 |
| Blackfoot R nr Bonner | | | | | | | | |
| | APR-JUL | 470 | 600 | 685 | 95% | 770 | 900 | 720 |
| | APR-SEP | 535 | 675 | 765 | 96% | 855 | 995 | 800 |
| Clark Fork R ab Missoula | | | | | | | | |
| | APR-JUL | 805 | 1060 | 1220 | 98% | 1390 | 1640 | 1250 |
| | APR-SEP | 925 | 1200 | 1380 | 97% | 1560 | 1830 | 1420 |

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| Forecast Exceedance Probabilities for Risk Assessment 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 | 74 | 96 | 112 | 88% | 128 | 150 | 128 |
| | APR-SEP | 83 | 107 | 123 | 88% | 139 | 163 | 139 |
| Bitterroot R Nr Darby | | | | | | | | |
| | APR-JUL | 300 | 365 | 410 | 93% | 455 | 520 | 440 |
| | APR-SEP | 325 | 395 | 440 | 93% | 485 | 555 | 475 |
| Como Reservoir Inflow ² | | | | | | | | |
| | APR-JUL | 59 | 66 | 70 | 92% | 74 | 81 | 76 |
| | APR-SEP | 60 | 67 | 72 | 91% | 77 | 84 | 79 |
| Bitterroot R nr Missoula | | | | | | | | |
| | APR-JUL | 845 | 975 | 1060 | 92% | 1150 | 1280 | 1150 |
| | APR-SEP | 930 | 1070 | 1160 | 93% | 1260 | 1400 | 1250 |

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| Forecast Exceedance Probabilities for Risk Assessment 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 | 1690 | 2040 | 2280 | 95% | 2520 | 2870 | 2400 |
| | APR-SEP | 1890 | 2280 | 2540 | 95% | 2800 | 3190 | 2670 |
| Clark Fork R at St. Regis ¹ | APR-JUL | 2050 | 2700 | 3000 | 95% | 3300 | 3950 | 3160 |
| | APR-SEP | 2310 | 3020 | 3340 | 95% | 3660 | 4370 | 3510 |
| Clark Fork R nr Plains ^{1,2} | APR-JUL | 5530 | 7000 | 7670 | 83% | 8340 | 9810 | 9200 |
| | APR-SEP | 5990 | 7650 | 8400 | 83% | 9150 | 10800 | 10100 |
| Thompson nr Thompson Falls | | | | | | | | |
| Prospect Ck at Thompson Falls | APR-JUL | 44 | 56 | 64 | 63% | 73 | 85 | 102 |
| | APR-SEP | 62 | 74 | 82 | 75% | 90 | 102 | 110 |
| Clark Fork R at Whitehorse Rapids ^{1,2} | | | | | | | | |

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| Forecast Exceedance Probabilities for Risk Assessment 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 | 60 | 75 | 86 | 115% | 97 | 112 | 75 |
| | APR-SEP | 66 | 82 | 94 | 118% | 106 | 122 | 80 |
| Clark Canyon Inflow ² | APR-JUL | 47 | 75 | 94 | 93% | 113 | 141 | 101 |
| | APR-SEP | 62 | 95 | 117 | 98% | 139 | 172 | 120 |
| Beaverhead R at Barretts ² | APR-JUL | 68 | 101 | 123 | 95% | 145 | 178 | 129 |
| | APR-SEP | 90 | 127 | 152 | 97% | 177 | 215 | 156 |
| Ruby R Reservoir Inflow ² | APR-JUL | 56 | 69 | 78 | 101% | 87 | 100 | 77 |
| | APR-SEP | 68 | 83 | 93 | 102% | 103 | 118 | 91 |
| Big Hole R at Wisdom | APR-JUL | 21 | 62 | 89 | 87% | 116 | 157 | 102 |
| | APR-SEP | 22 | 66 | 95 | 88% | 124 | 168 | 108 |
| Big Hole R nr Melrose | APR-JUL | 290 | 395 | 465 | 90% | 535 | 640 | 515 |
| | APR-SEP | 315 | 430 | 505 | 90% | 580 | 695 | 560 |
| Jefferson R nr Twin Bridges ² | APR-JUL | 275 | 465 | 595 | 86% | 725 | 915 | 690 |
| | APR-SEP | 305 | 505 | 645 | 88% | 785 | 985 | 730 |
| Boulder R nr Boulder | APR-JUL | 55 | 72 | 84 | 122% | 96 | 113 | 69 |
| | APR-SEP | 58 | 77 | 90 | 122% | 103 | 122 | 74 |
| Willow Ck Reservoir Inflow ² | APR-JUL | 7.1 | 13 | 17 | 101% | 21 | 27 | 16.8 |
| Jefferson R nr Three Forks ² | APR-JUL | 400 | 585 | 715 | 97% | 845 | 1030 | 740 |
| | APR-SEP | 405 | 620 | 765 | 96% | 910 | 1120 | 800 |

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| Forecast Exceedance Probabilities for Risk Assessment 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 | 320 | 360 | 390 | 105% | 420 | 460 | 370 |
| | APR-SEP | 405 | 455 | 490 | 104% | 525 | 575 | 470 |
| Ennis Reservoir Inflow ² | APR-JUL | 520 | 595 | 650 | 104% | 705 | 780 | 625 |
| | APR-SEP | 645 | 740 | 800 | 103% | 865 | 960 | 775 |

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| Forecast Exceedance Probabilities for Risk Assessment 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 | 330 | 380 | 415 | 104% | 450 | 500 | 400 |
| | APR-SEP | 385 | 440 | 480 | 102% | 520 | 575 | 470 |
| Hyalite Reservoir Inflow ² | APR-JUL | 16.9 | 18.9 | 20 | 100% | 22 | 24 | 20 |
| | APR-SEP | 19.6 | 22 | 23 | 100% | 25 | 27 | 23 |
| Gallatin R at Logan | APR-JUL | 300 | 395 | 455 | 103% | 520 | 615 | 440 |
| | APR-SEP | 330 | 440 | 510 | 101% | 580 | 690 | 505 |

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| |
|---|
| Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast |
|---|

| SMITH-JUDITH-MUSSELHELL | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|---|-----------------|-----------|-----------|-----------|-------|-----------|-----------|----------------|
| Sheep Ck nr White Sulphur Springs | APR-JUL | 10.4 | 13.6 | 15.8 | 102% | 18 | 21 | 15.5 |
| | APR-SEP | 12.1 | 16 | 18.7 | 102% | 21 | 25 | 18.4 |
| Smith R bl Eagle Ck ² | APR-JUL | 55 | 86 | 107 | 101% | 128 | 159 | 106 |
| | APR-SEP | 54 | 91 | 117 | 101% | 143 | 180 | 116 |
| NF Musselshell R nr Delpine | APR-JUL | 17.8 | 34 | 45 | 129% | 56 | 72 | 35 |
| | APR-SEP | 19.4 | 37 | 49 | 129% | 61 | 79 | 38 |
| Musselshell R at Harlowton ² | APR-JUL | 25 | 46 | 60 | 105% | 74 | 95 | 57 |
| | APR-SEP | 22 | 46 | 62 | 105% | 78 | 102 | 59 |
| Musselshell R nr Roundup ² | APR-JUL | -36 | 27 | 69 | 103% | 111 | 173 | 67 |
| | APR-SEP | -35 | 27 | 69 | 105% | 111 | 173 | 66 |

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Forecast Exceedance Probabilities for Risk Assessment
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 | 205 | 255 | 285 | 72% | 320 | 365 | 395 |
| | APR-SEP | 230 | 285 | 320 | 73% | 355 | 410 | 440 |
| Two Medicine R nr Browning ² | APR-JUL | 96 | 118 | 134 | 73% | 150 | 172 | 183 |
| | APR-SEP | 104 | 128 | 145 | 75% | 162 | 186 | 194 |
| Badger Ck nr Browning | APR-JUL | 41 | 56 | 66 | 75% | 76 | 91 | 88 |
| | APR-SEP | 48 | 65 | 76 | 74% | 88 | 105 | 103 |
| Swift Reservoir Inflow ² | APR-JUL | 22 | 33 | 41 | 72% | 49 | 60 | 57 |
| | APR-SEP | 28 | 41 | 50 | 75% | 59 | 72 | 67 |
| Dupuyer Ck nr Valier | APR-JUL | 1.67 | 5.1 | 7.4 | 67% | 9.7 | 13.1 | 11.1 |
| | APR-SEP | 2.2 | 6 | 8.5 | 67% | 11 | 14.8 | 12.7 |
| Cut Bank Ck nr Browning | APR-JUL | 36 | 47 | 55 | 80% | 63 | 74 | 69 |
| | APR-SEP | 38 | 51 | 59 | 79% | 67 | 80 | 75 |
| Marias R nr Shelby ² | APR-JUL | 116 | 193 | 245 | 68% | 295 | 375 | 360 |
| | APR-SEP | 115 | 197 | 255 | 68% | 310 | 390 | 375 |
| Teton R nr Dutton | APR-JUL | 1 | 5.4 | 23 | 55% | 41 | 67 | 42 |
| | APR-SEP | 1 | 7.9 | 27 | 56% | 46 | 74 | 48 |

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Forecast Exceedance Probabilities for Risk Assessment
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 | 63 | 74 | 81 | 84% | 88 | 98 | 97 |
| | APR-SEP | 74 | 86 | 94 | 84% | 103 | 115 | 112 |
| St. Mary R nr Babb ² | APR-JUL | 235 | 275 | 300 | 81% | 325 | 365 | 370 |
| | APR-SEP | 270 | 320 | 350 | 82% | 380 | 425 | 425 |
| St. Mary R at Intl Boundary ² | APR-JUL | 250 | 310 | 345 | 79% | 385 | 445 | 435 |
| | APR-SEP | 300 | 365 | 410 | 81% | 450 | 515 | 505 |
| Milk R at Western Crossing of Intl Bndry, AB | | | | | | | | |
| Milk R at Eastern Crossing of Intl Bndry | | | | | | | | |

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Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

| MISSOURI MAINSTEM BASIN | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|-----------------------------------|-----------------|-----------|-----------|-----------|-------|-----------|-----------|----------------|
| Missouri R at Toston ² | APR-JUL | 1270 | 1590 | 1810 | 101% | 2030 | 2350 | 1790 |
| | APR-SEP | 1420 | 1800 | 2070 | 100% | 2330 | 2710 | 2070 |

Dearborn R nr Craig

Missouri R at Fort Benton²

| | | | | | | | |
|---------|------|------|------|-----|------|------|------|
| APR-JUL | 1570 | 2110 | 2480 | 95% | 2850 | 3400 | 2610 |
| APR-SEP | 1850 | 2500 | 2940 | 95% | 3380 | 4030 | 3110 |

Missouri R nr Virgelle²

| | | | | | | | |
|---------|------|------|------|-----|------|------|------|
| APR-JUL | 1750 | 2340 | 2750 | 92% | 3150 | 3750 | 3000 |
| APR-SEP | 2020 | 2740 | 3220 | 91% | 3710 | 4420 | 3520 |

Missouri R nr Landusky²

| | | | | | | | |
|---------|------|------|------|-----|------|------|------|
| APR-JUL | 1830 | 2480 | 2920 | 92% | 3360 | 4010 | 3160 |
| APR-SEP | 2140 | 2910 | 3430 | 92% | 3950 | 4720 | 3720 |

Missouri R bl Fort Peck Dam²

| | | | | | | | |
|---------|------|------|------|-----|------|------|------|
| APR-JUL | 1920 | 2620 | 3090 | 95% | 3570 | 4270 | 3240 |
| APR-SEP | 2040 | 2930 | 3540 | 96% | 4150 | 5040 | 3700 |

Lake Sakakawea Inflow²

| | | | | | | | |
|---------|------|------|------|-----|-------|-------|------|
| APR-JUL | 5040 | 6790 | 7980 | 96% | 9170 | 10900 | 8310 |
| APR-SEP | 5440 | 7570 | 9030 | 96% | 10500 | 12600 | 9400 |

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3) Median value used in place of average

| |
|---|
| Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast |
|---|

| UPPER YELLOWSTONE RIVER BASIN | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|--|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| Yellowstone R at Yellowstone Lake Outlet | APR-JUL | 500 | 565 | 610 | 106% | 655 | 720 | 575 |
| | APR-SEP | 660 | 745 | 810 | 105% | 870 | 960 | 770 |
| Yellowstone R at Corwin Springs | APR-JUL | 1400 | 1570 | 1690 | 106% | 1800 | 1970 | 1590 |
| | APR-SEP | 1660 | 1860 | 1990 | 106% | 2130 | 2320 | 1880 |
| Yellowstone R at Livingston | APR-JUL | 1570 | 1780 | 1930 | 107% | 2080 | 2290 | 1800 |
| | APR-SEP | 1850 | 2100 | 2280 | 107% | 2450 | 2700 | 2140 |
| Shields R nr Livingston | APR-JUL | 95 | 128 | 149 | 116% | 171 | 205 | 129 |
| | APR-SEP | 104 | 138 | 162 | 113% | 185 | 220 | 143 |
| Boulder R at Big Timber | APR-JUL | 215 | 260 | 290 | 104% | 315 | 360 | 280 |
| | APR-SEP | 230 | 275 | 310 | 103% | 345 | 390 | 300 |
| Mystic Lake Inflow ² | APR-JUL | 50 | 55 | 59 | 100% | 62 | 67 | 59 |
| | APR-SEP | 64 | 70 | 74 | 100% | 79 | 85 | 74 |
| Stillwater R nr Absarokee ² | APR-JUL | 335 | 400 | 445 | 100% | 490 | 555 | 445 |
| | APR-SEP | 390 | 465 | 520 | 100% | 570 | 650 | 520 |
| Clarks Fk Yellowstone R nr Belfry | APR-JUL | 415 | 470 | 510 | 100% | 545 | 600 | 510 |
| | APR-SEP | 445 | 505 | 550 | 100% | 595 | 655 | 550 |
| Cooney Reservoir Inflow | APR-JUL | 20 | 32 | 40 | 105% | 47 | 59 | 38 |
| | APR-SEP | 28 | 41 | 49 | 102% | 58 | 71 | 48 |
| Yellowstone R at Billings | APR-JUL | 2460 | 2970 | 3310 | 102% | 3650 | 4150 | 3230 |
| | APR-SEP | 2790 | 3390 | 3790 | 102% | 4200 | 4800 | 3730 |

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3) Median value used in place of average

| |
|---|
| Forecast Exceedance Probabilities for Risk Assessment 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 | 645 | 1020 | 1280 | 93% | 1540 | 1910 | 1380 |
| | APR-SEP | 625 | 1040 | 1330 | 91% | 1610 | 2030 | 1460 |
| Little Bighorn R nr Hardin | APR-JUL | 6.6 | 37 | 57 | 58% | 77 | 107 | 98 |
| | APR-SEP | 9.6 | 43 | 66 | 59% | 89 | 122 | 111 |
| Tongue R nr Dayton ² | APR-JUL | 29 | 45 | 56 | 65% | 67 | 83 | 86 |
| | APR-SEP | 36 | 54 | 66 | 67% | 78 | 96 | 98 |
| Big Goose Ck nr Sheridan | APR-JUL | 8.7 | 20 | 28 | 61% | 36 | 48 | 46 |
| | APR-SEP | 16.2 | 28 | 36 | 67% | 44 | 56 | 54 |
| Little Goose Ck nr Bighorn | APR-JUL | 10 | 17.2 | 22 | 71% | 27 | 34 | 31 |
| | APR-SEP | 16.2 | 24 | 29 | 74% | 35 | 43 | 39 |
| Tongue River Reservoir Inflow ² | APR-JUL | 2.8 | 62 | 103 | 53% | 143 | 205 | 193 |
| | APR-SEP | 14.8 | 78 | 121 | 56% | 163 | 225 | 215 |
| Yellowstone R at Miles City ² | APR-JUL | 3100 | 3990 | 4600 | 96% | 5210 | 6100 | 4780 |
| | APR-SEP | 3440 | 4500 | 5220 | 96% | 5940 | 7000 | 5450 |
| Powder R at Moorehead | APR-JUL | 1 | 79 | 136 | 77% | 194 | 280 | 177 |
| | APR-SEP | 7 | 92 | 150 | 77% | 210 | 295 | 196 |
| Powder R nr Locate | APR-JUL | 1 | 92 | 155 | 78% | 220 | 310 | 199 |
| | APR-SEP | 6.4 | 103 | 169 | 77% | 235 | 330 | 220 |
| Yellowstone R nr Sidney ² | APR-JUL | 2890 | 3920 | 4610 | 95% | 5300 | 6330 | 4830 |
| | APR-SEP | 3090 | 4310 | 5140 | 95% | 5970 | 7190 | 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