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**Streamflow Forecast Summary: March 1, 2002**  
**(averages based on 1981-2010 reference period)**

|                                            |                    | Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast |              |              |       |              |              |                   |
|--------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------|--------------|--------------|-------|--------------|--------------|-------------------|
| <b>KOOTENAI RIVER BASIN<br/>in MONTANA</b> | Forecast<br>Period | 90%<br>(KAF)                                                                                            | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
| Tobacco R nr Eureka                        | APR-JUL            |                                                                                                         |              | 110          | 81%   |              |              | 136               |
|                                            | APR-SEP            |                                                                                                         |              | 120          | 80%   |              |              | 150               |
| Libby Reservoir Inflow <sup>1</sup>        | APR-JUL            |                                                                                                         |              | 5350         | 95%   |              |              | 5638              |
|                                            | APR-SEP            |                                                                                                         |              | 6290         | 95%   |              |              | 6638              |
| Fisher R nr Libby                          | APR-JUL            |                                                                                                         |              | 156          | 68%   |              |              | 230               |
|                                            | APR-SEP            |                                                                                                         |              | 170          | 69%   |              |              | 245               |
| Yaak R nr Troy                             | APR-JUL            |                                                                                                         |              | 395          | 90%   |              |              | 440               |
|                                            | APR-SEP            |                                                                                                         |              | 415          | 90%   |              |              | 460               |
| Kootenai R at Leonia <sup>1,2</sup>        | APR-JUL            |                                                                                                         |              | 6730         | 96%   |              |              | 7035              |
|                                            | APR-SEP            |                                                                                                         |              | 7760         | 96%   |              |              | 8125              |

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 |              |              |       |              |              |                   |
|----------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------|--------------|--------------|-------|--------------|--------------|-------------------|
| <b>FLATHEAD RIVER BASIN</b>                  | Forecast<br>Period | 90%<br>(KAF)                                                                                            | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
| NF Flathead R nr Columbia Falls              | APR-JUL            |                                                                                                         |              | 1480         | 91%   |              |              | 1630              |
|                                              | APR-SEP            |                                                                                                         |              | 1640         | 91%   |              |              | 1800              |
| MF Flathead R nr West Glacier                | APR-JUL            |                                                                                                         |              | 1420         | 89%   |              |              | 1590              |
|                                              | APR-SEP            |                                                                                                         |              | 1550         | 89%   |              |              | 1740              |
| Sf Flathead R nr Hungry Horse                |                    |                                                                                                         |              |              |       |              |              |                   |
| Hungry Horse Reservoir Inflow <sup>1,2</sup> | APR-JUL            |                                                                                                         |              | 1800         | 90%   |              |              | 1995              |
|                                              | APR-SEP            |                                                                                                         |              | 1910         | 90%   |              |              | 2124              |
| Flathead R at Columbia Falls <sup>2</sup>    | APR-JUL            |                                                                                                         |              | 4830         | 90%   |              |              | 5355              |
|                                              | APR-SEP            |                                                                                                         |              | 5260         | 90%   |              |              | 5825              |
| Ashley Ck nr Marion <sup>2</sup>             | APR-JUL            |                                                                                                         |              | 4.44         | 63%   |              |              | 7                 |
| Swan R nr Bigfork                            | APR-JUL            |                                                                                                         |              | 510          | 90%   |              |              | 565               |
|                                              | APR-SEP            |                                                                                                         |              | 585          | 91%   |              |              | 645               |
| Flathead Lake Inflow <sup>1,2</sup>          | APR-JUL            |                                                                                                         |              | 5620         | 91%   |              |              | 6200              |
|                                              | APR-SEP            |                                                                                                         |              | 6100         | 91%   |              |              | 6713              |
| Mill Ck ab Bassoo ck nr Niarada              |                    |                                                                                                         |              |              |       |              |              |                   |
| South Crow Ck nr Ronan                       |                    |                                                                                                         |              |              |       |              |              |                   |
| Mission Ck nr St. Ignatius                   |                    |                                                                                                         |              |              |       |              |              |                   |
| SF Jocko R nr Arlee                          |                    |                                                                                                         |              |              |       |              |              |                   |
| NF Jocko R bl Tabor Feeder Canal             |                    |                                                                                                         |              |              |       |              |              |                   |

- 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

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

| UPPER CLARK FORK<br>RIVER BASIN               | Forecast<br>Period | 90%<br>(KAF) | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
|-----------------------------------------------|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| Little Blackfoot nr Garrison                  | APR-JUL            |              |              | 34           | 45%   |              |              | 76                |
|                                               | APR-SEP            |              |              | 39           | 46%   |              |              | 84                |
| Flint Ck nr Southern Cross                    | APR-JUL            |              |              | 7.5          | 54%   |              |              | 14                |
|                                               | APR-SEP            |              |              | 8.5          | 53%   |              |              | 16                |
| Flint Ck bl Boulder Ck                        | APR-JUL            |              |              | 28.5         | 51%   |              |              | 56                |
|                                               | APR-SEP            |              |              | 38           | 54%   |              |              | 71                |
| Lower Willow Ck Reservoir Inflow <sup>2</sup> | APR-JUL            |              |              | 7.4          | 59%   |              |              | 12.5              |
|                                               | APR-SEP            |              |              | 8.2          | 61%   |              |              | 13.5              |
| MF Rock Ck nr Philipsburg                     | APR-JUL            |              |              | 37.5         | 59%   |              |              | 64                |
|                                               | APR-SEP            |              |              | 43           | 60%   |              |              | 72                |
| Rock Ck nr Clinton                            | APR-JUL            |              |              | 155          | 57%   |              |              | 270               |
|                                               | APR-SEP            |              |              | 182          | 60%   |              |              | 305               |
| Clark Fork R ab Milltown                      | APR-JUL            |              |              | 440          | 73%   |              |              | 605               |
|                                               | APR-SEP            |              |              | 510          | 72%   |              |              | 705               |
| Nevada Ck nr Helmville                        | APR-JUL            |              |              | 9.1          | 54%   |              |              | 17                |
|                                               | APR-SEP            |              |              | 10.2         | 54%   |              |              | 18.9              |
| Blackfoot R nr Bonner                         | APR-JUL            |              |              | 690          | 86%   |              |              | 805               |
|                                               | APR-SEP            |              |              | 765          | 86%   |              |              | 892               |
| Clark Fork R ab Missoula                      | APR-JUL            |              |              | 1130         | 80%   |              |              | 1415              |
|                                               | APR-SEP            |              |              | 1280         | 80%   |              |              | 1595              |

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| Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast |
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| BITTERROOT RIVER<br>BASIN              | Forecast<br>Period | 90%<br>(KAF) | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
|----------------------------------------|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| WF Bitterroot R Nr Conner <sup>2</sup> | APR-JUL            |              |              | 110          | 77%   |              |              | 143               |
|                                        | APR-SEP            |              |              | 120          | 76%   |              |              | 157               |
| Bitterroot R Nr Darby                  | APR-JUL            |              |              | 375          | 82%   |              |              | 460               |
|                                        | APR-SEP            |              |              | 420          | 82%   |              |              | 514               |
| Como Reservoir Inflow <sup>2</sup>     | APR-JUL            |              |              | 73.5         | 94%   |              |              | 78                |
|                                        | APR-SEP            |              |              | 78           | 95%   |              |              | 82                |
| Bitterroot R nr Missoula               | APR-JUL            |              |              | 1030         | 82%   |              |              | 1250              |
|                                        | APR-SEP            |              |              | 1130         | 83%   |              |              | 1364              |

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

| LOWER CLARK FORK<br>RIVER BASIN                  | Forecast<br>Period | 90%<br>(KAF) | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
|--------------------------------------------------|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| Clark Fork R bl Missoula                         | APR-JUL            |              |              | 2170         | 82%   |              |              | 2660              |
|                                                  | APR-SEP            |              |              | 2400         | 81%   |              |              | 2962              |
| Clark Fork R at St. Regis <sup>1</sup>           | APR-JUL            |              |              | 3060         | 87%   |              |              | 3520              |
|                                                  | APR-SEP            |              |              | 3400         | 87%   |              |              | 3907              |
| Clark Fork R nr Plains <sup>1,2</sup>            | APR-JUL            |              |              | 8970         | 89%   |              |              | 10100             |
|                                                  | APR-SEP            |              |              | 9850         | 89%   |              |              | 11060             |
| Thompson nr Thompson Falls                       | APR-JUL            |              |              | 150          | 73%   |              |              | 205               |
|                                                  | APR-SEP            |              |              | 172          | 75%   |              |              | 230               |
| Prospect Ck at Thompson Falls                    | APR-JUL            |              |              | 90           | 78%   |              |              | 116               |
|                                                  | APR-SEP            |              |              | 97           | 78%   |              |              | 124               |
| Clark Fork R at Whitehorse Rapids <sup>1,2</sup> | APR-JUL            |              |              | 10000        | 88%   |              |              | 11400             |

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

| JEFFERSON RIVER<br>BASIN                 | Forecast<br>Period | 90%<br>(KAF) | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
|------------------------------------------|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| Lima Reservoir Inflow <sup>2</sup>       | APR-JUL            |              |              | 77           | 80%   |              |              | 96                |
|                                          | APR-SEP            |              |              | 84           | 81%   |              |              | 104               |
| Clark Canyon Inflow <sup>2</sup>         | APR-JUL            |              |              | 95           | 73%   |              |              | 131               |
|                                          | APR-SEP            |              |              | 115          | 74%   |              |              | 156               |
| Beaverhead R at Barretts <sup>2</sup>    | APR-JUL            |              |              | 128          | 76%   |              |              | 168               |
|                                          | APR-SEP            |              |              | 155          | 78%   |              |              | 200               |
| Ruby R Reservoir Inflow <sup>2</sup>     | APR-JUL            |              |              | 50           | 60%   |              |              | 84                |
|                                          | APR-SEP            |              |              | 61           | 60%   |              |              | 101               |
| Big Hole R at Wisdom                     | APR-JUL            |              |              | 65           | 59%   |              |              | 110               |
|                                          | APR-SEP            |              |              | 70           | 60%   |              |              | 117               |
| Big Hole R nr Melrose                    | APR-JUL            |              |              | 330          | 54%   |              |              | 610               |
|                                          | APR-SEP            |              |              | 365          | 55%   |              |              | 660               |
| Jefferson R nr Twin Bridges <sup>2</sup> |                    |              |              |              |       |              |              |                   |
| Boulder R nr Boulder                     | APR-JUL            |              |              | 43.5         | 56%   |              |              | 78                |
|                                          | APR-SEP            |              |              | 47           | 55%   |              |              | 85                |
| Willow Ck Reservoir Inflow <sup>2</sup>  | APR-JUL            |              |              | 9.5          | 53%   |              |              | 17.9              |
|                                          | APR-SEP            |              |              | 10.5         | 53%   |              |              | 20                |
| Jefferson R nr Three Forks <sup>2</sup>  | APR-JUL            |              |              | 390          | 50%   |              |              | 780               |

APR-SEP

435

51%

860

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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

| <b>MADISON RIVER BASIN</b>           | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|--------------------------------------|-----------------|-----------|-----------|-----------|-------|-----------|-----------|----------------|
| Hebgen Reservoir Inflow <sup>2</sup> | APR-JUL         |           |           | 305       | 78%   |           |           | 390            |
|                                      | APR-SEP         |           |           | 400       | 80%   |           |           | 500            |
| Ennis Reservoir Inflow <sup>2</sup>  | APR-JUL         |           |           | 540       | 79%   |           |           | 680            |
|                                      | APR-SEP         |           |           | 680       | 80%   |           |           | 850            |

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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

| <b>GALLATIN RIVER BASIN</b>           | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|---------------------------------------|-----------------|-----------|-----------|-----------|-------|-----------|-----------|----------------|
| Gallatin R nr Gateway                 | APR-JUL         |           |           | 320       | 73%   |           |           | 440            |
|                                       | APR-SEP         |           |           | 380       | 74%   |           |           | 515            |
| Hyalite Reservoir Inflow <sup>2</sup> | APR-JUL         |           |           | 16.7      | 76%   |           |           | 22             |
|                                       | APR-SEP         |           |           | 19        | 76%   |           |           | 25             |
| Gallatin R at Logan                   | APR-JUL         |           |           | 310       | 63%   |           |           | 495            |
|                                       | APR-SEP         |           |           | 370       | 65%   |           |           | 570            |

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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

| <b>SMITH-JUDITH-MUSSELSHELL</b>         | 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        | 58%   |           |           | 17.1           |
|                                         | APR-SEP         |           |           | 12.3      | 62%   |           |           | 20             |
| Smith R bl Eagle Ck <sup>2</sup>        | APR-JUL         |           |           | 100       | 57%   |           |           | 175            |
|                                         | APR-SEP         |           |           | 120       | 57%   |           |           | 210            |
| NF Musselshell R nr Delpine             | APR-JUL         |           |           | 2.9       | 58%   |           |           | 5              |
|                                         | APR-SEP         |           |           | 3.45      | 69%   |           |           | 5              |
| SF Musselshell R ab Martinsdale         | APR-JUL         |           |           | 30        | 58%   |           |           | 52             |
|                                         | APR-SEP         |           |           | 32.5      | 58%   |           |           | 56             |
| Musselshell R at Harlowton <sup>2</sup> | APR-JUL         |           |           | 37.5      | 49%   |           |           | 77             |
|                                         | APR-SEP         |           |           | 38.5      | 48%   |           |           | 81             |
| Musselshell R nr Roundup <sup>2</sup>   | APR-JUL         |           |           | 28        | 28%   |           |           | 99             |

APR-SEP

29

28%

102

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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

| <b>SUN-TETON-MARIAS</b>                 | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|-----------------------------------------|-----------------|-----------|-----------|-----------|-------|-----------|-----------|----------------|
| Gibson Reservoir Inflow                 | APR-JUL         |           |           | 280       | 61%   |           |           | 460            |
|                                         | APR-SEP         |           |           | 320       | 63%   |           |           | 505            |
| Two Medicine R nr Browning <sup>2</sup> | APR-JUL         |           |           | 170       | 83%   |           |           | 205            |
|                                         | APR-SEP         |           |           | 180       | 84%   |           |           | 215            |
| Badger Ck nr Browning                   | APR-JUL         |           |           | 84        | 85%   |           |           | 99             |
|                                         | APR-SEP         |           |           | 99        | 86%   |           |           | 115            |
| Swift Reservoir Inflow <sup>2</sup>     | APR-JUL         |           |           | 50        | 78%   |           |           | 64             |
|                                         | APR-SEP         |           |           | 61        | 79%   |           |           | 77             |
| Dupuyer Ck nr Valier                    | APR-JUL         |           |           | 11.1      | 79%   |           |           | 14             |
|                                         | APR-SEP         |           |           | 12.6      | 80%   |           |           | 15.7           |
| Cut Bank Ck nr Browning                 |                 |           |           |           |       |           |           |                |
| Marias R nr Shelby <sup>2</sup>         | APR-JUL         |           |           | 305       | 73%   |           |           | 415            |
|                                         | APR-SEP         |           |           | 320       | 73%   |           |           | 440            |
| Teton R nr Dutton                       | APR-JUL         |           |           | 30        | 59%   |           |           | 51             |
|                                         | APR-SEP         |           |           | 31        | 53%   |           |           | 59             |

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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

| <b>ST. MARY &amp; MILK BASINS</b>            | Forecast Period | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Avg | 30% (KAF) | 10% (KAF) | 30yr Avg (KAF) |
|----------------------------------------------|-----------------|-----------|-----------|-----------|-------|-----------|-----------|----------------|
| Lake Sherburne Inflow                        |                 |           |           |           |       |           |           |                |
| St. Mary R nr Babb <sup>2</sup>              | APR-JUL         |           |           | 318       | 83%   |           |           | 385            |
|                                              | APR-SEP         |           |           | 375       | 83%   |           |           | 450            |
| St. Mary R at Intl Boundary <sup>2</sup>     | APR-JUL         |           |           | 365       | 84%   |           |           | 435            |
|                                              | APR-SEP         |           |           | 430       | 83%   |           |           | 515            |
| Milk R at Western Crossing of Intl Bndry, AB | MAR-JUL         |           |           | 17.8      | 43%   |           |           | 41             |
|                                              | MAR-SEP         |           |           | 19.1      | 44%   |           |           | 43             |
| Milk R at Eastern Crossing of Intl Bndry     | MAR-JUL         |           |           | 36.9      | 44%   |           |           | 83             |
|                                              | MAR-SEP         |           |           | 37.8      | 43%   |           |           | 88             |

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 3) Median value used in place of average

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

| MISSOURI MAINSTEM<br>BASIN               | Forecast<br>Period | 90%<br>(KAF) | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
|------------------------------------------|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| Missouri R at Toston <sup>2</sup>        | APR-JUL            |              |              | 1390         | 68%   |              |              | 2050              |
|                                          | APR-SEP            |              |              | 1630         | 68%   |              |              | 2390              |
| Dearborn R nr Craig                      | APR-JUL            |              |              | 81           | 67%   |              |              | 121               |
|                                          | APR-SEP            |              |              | 86           | 69%   |              |              | 125               |
| Missouri R at Fort Benton <sup>2</sup>   | APR-JUL            |              |              | 2130         | 71%   |              |              | 2990              |
|                                          | APR-SEP            |              |              | 2590         | 73%   |              |              | 3570              |
| Missouri R nr Virgelle <sup>2</sup>      | APR-JUL            |              |              | 2400         | 70%   |              |              | 3450              |
|                                          | APR-SEP            |              |              | 2880         | 71%   |              |              | 4060              |
| Missouri R nr Landusky <sup>2</sup>      | APR-JUL            |              |              | 2430         | 66%   |              |              | 3690              |
|                                          | APR-SEP            |              |              | 2940         | 68%   |              |              | 4350              |
| Missouri R bl Fort Peck Dam <sup>2</sup> | APR-JUL            |              |              | 2560         | 68%   |              |              | 3740              |
|                                          | APR-SEP            |              |              | 2940         | 68%   |              |              | 4330              |
| Lake Sakakawea Inflow <sup>2</sup>       | APR-JUL            |              |              | 6120         | 63%   |              |              | 9740              |
|                                          | APR-SEP            |              |              | 6960         | 62%   |              |              | 11200             |

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

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| Forecast Exceedance Probabilities for Risk Assessment<br>Chance that actual volume will exceed forecast |
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| UPPER YELLOWSTONE<br>RIVER BASIN         | Forecast<br>Period | 90%<br>(KAF) | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
|------------------------------------------|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| Yellowstone R at Yellowstone Lake Outlet | APR-JUL            |              |              | 445          | 75%   |              |              | 590               |
|                                          | APR-SEP            |              |              | 595          | 74%   |              |              | 805               |
| Yellowstone R at Corwin Springs          | APR-JUL            |              |              | 1160         | 70%   |              |              | 1650              |
|                                          | APR-SEP            |              |              | 1400         | 71%   |              |              | 1970              |
| Yellowstone R at Livingston              | APR-JUL            |              |              | 1325         | 70%   |              |              | 1900              |
|                                          | APR-SEP            |              |              | 1610         | 71%   |              |              | 2280              |
| Shields R nr Livingston                  | APR-JUL            |              |              | 80           | 55%   |              |              | 145               |
|                                          | APR-SEP            |              |              | 88           | 54%   |              |              | 162               |
| Boulder R at Big Timber                  | APR-JUL            |              |              | 195          | 68%   |              |              | 285               |
|                                          | APR-SEP            |              |              | 210          | 67%   |              |              | 315               |
| Mystic Lake Inflow <sup>2</sup>          | APR-JUL            |              |              | 40           | 68%   |              |              | 59                |
|                                          | APR-SEP            |              |              | 52           | 68%   |              |              | 76                |
| Stillwater R nr Absarokee <sup>2</sup>   | APR-JUL            |              |              | 295          | 60%   |              |              | 495               |
|                                          | APR-SEP            |              |              | 355          | 61%   |              |              | 585               |
| Clarks Fk Yellowstone R nr Belfry        | APR-JUL            |              |              | 340          | 63%   |              |              | 540               |
|                                          | APR-SEP            |              |              | 370          | 62%   |              |              | 595               |
| Cooney Reservoir Inflow                  | APR-JUL            |              |              | 25.5         | 54%   |              |              | 47                |
|                                          | APR-SEP            |              |              | 33           | 58%   |              |              | 57                |

Yellowstone R at Billings

|         |      |     |      |
|---------|------|-----|------|
| APR-JUL | 2500 | 71% | 3510 |
| APR-SEP | 2990 | 73% | 4120 |

- 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 |
|---------------------------------------------------------------------------------------------------------|

| <b>LOWER YELLOWSTONE<br/>RIVER BASIN (Wyoming)</b> | Forecast<br>Period | 90%<br>(KAF) | 70%<br>(KAF) | 50%<br>(KAF) | % Avg | 30%<br>(KAF) | 10%<br>(KAF) | 30yr Avg<br>(KAF) |
|----------------------------------------------------|--------------------|--------------|--------------|--------------|-------|--------------|--------------|-------------------|
| Bighorn R nr St. Xavier <sup>2</sup>               | APR-JUL            |              |              | 720          | 45%   |              |              | 1610              |
|                                                    | APR-SEP            |              |              | 890          | 51%   |              |              | 1760              |
| Little Bighorn R nr Hardin                         | APR-JUL            |              |              | 65           | 51%   |              |              | 128               |
|                                                    | APR-SEP            |              |              | 75           | 52%   |              |              | 144               |
| Tongue R nr Dayton <sup>2</sup>                    | APR-JUL            |              |              | 63           | 66%   |              |              | 96                |
|                                                    | APR-SEP            |              |              | 74           | 68%   |              |              | 109               |
| Big Goose Ck nr Sheridan                           |                    |              |              |              |       |              |              |                   |
| Little Goose Ck nr Bighorn                         |                    |              |              |              |       |              |              |                   |
| Tongue River Reservoir Inflow <sup>2</sup>         | APR-JUL            |              |              | 150          | 68%   |              |              | 220               |
|                                                    | APR-SEP            |              |              | 175          | 70%   |              |              | 250               |
| Yellowstone R at Miles City <sup>2</sup>           | APR-JUL            |              |              | 3200         | 60%   |              |              | 5360              |
|                                                    | APR-SEP            |              |              | 3730         | 60%   |              |              | 6210              |
| Powder R at Moorehead                              | MAR-JUL            |              |              | 125          | 52%   |              |              | 240               |
|                                                    | MAR-SEP            |              |              | 145          | 55%   |              |              | 265               |
|                                                    | APR-JUL            |              |              | 95           | 46%   |              |              | 205               |
|                                                    | APR-SEP            |              |              | 110          | 48%   |              |              | 230               |
| Powder R nr Locate                                 | MAR-JUL            |              |              | 145          | 47%   |              |              | 310               |
|                                                    | MAR-SEP            |              |              | 165          | 49%   |              |              | 335               |
|                                                    | APR-JUL            |              |              | 97           | 41%   |              |              | 235               |
|                                                    | APR-SEP            |              |              | 118          | 45%   |              |              | 260               |
| Yellowstone R nr Sidney <sup>2</sup>               | APR-JUL            |              |              | 3400         | 62%   |              |              | 5480              |
|                                                    | APR-SEP            |              |              | 3890         | 62%   |              |              | 6280              |

- 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