

# RECLAMATION

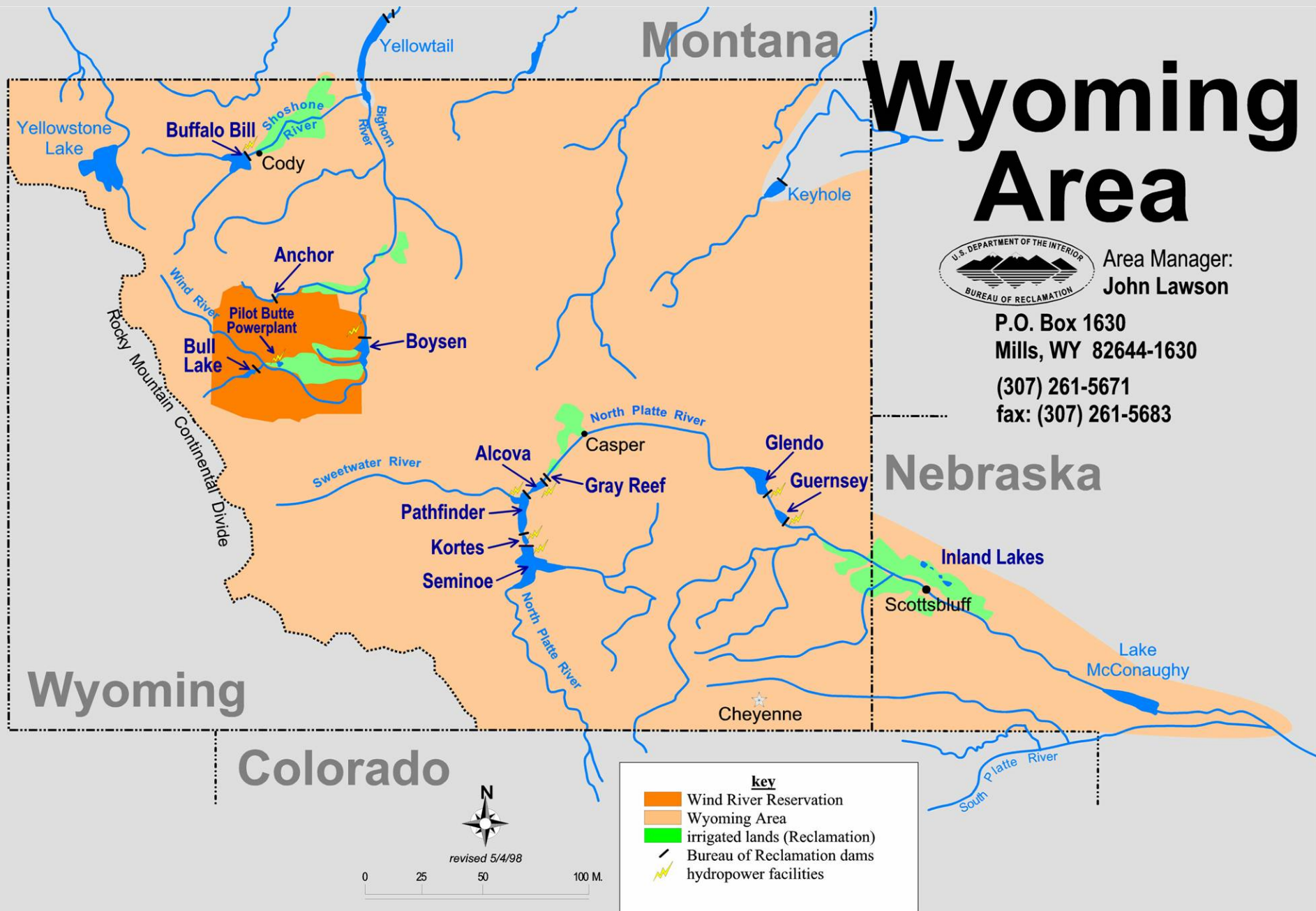
*Managing Water in the West*

## Boysen/Buffalo Bill Reservoir Operations

**John H. Lawson**  
**Area Manager**  
**Wyoming Area Office**



**June 8, 2007**



## BIGHORN WATER SUPPLY FORECAST

The June 1, 2007, water supply forecast indicates below average April - July runoff can be expected as shown below. The water supply forecasts are based on the snowpack at the Snotel stations displayed on page five of this report, along with precipitation and soil moisture data.

(1000 acre-feet)

| Forecast<br>Points                  | June 1, 2007 Forecast<br>of April-July Runoff <sup>3</sup> |          |                                    | 30 Yr.<br>April-July<br>Runoff<br>Avg. <sup>2</sup> | Most<br>Probable<br>% of Avg. | Comparative Actual<br>April - July Runoff |                |                |                |
|-------------------------------------|------------------------------------------------------------|----------|------------------------------------|-----------------------------------------------------|-------------------------------|-------------------------------------------|----------------|----------------|----------------|
|                                     | Reasonable<br>Minimum <sup>1</sup>                         | Expected | Reasonable<br>Maximum <sup>1</sup> |                                                     |                               | W. Yr.<br>2006                            | W. Yr.<br>2005 | W. Yr.<br>2004 | W. Yr.<br>2003 |
| Bull Lake<br>Reservoir              | 90                                                         | 100      | 120                                | 138.8                                               | 72                            | 121                                       | 155            | 117            | 110            |
| Wind River above<br>Bull Lake Creek | 175                                                        | 200      | 250                                | 401.6                                               | 50                            | 282                                       | 387            | 294            | 302            |
| Boysen<br>Reservoir                 | 175                                                        | 225      | 300                                | 551.3                                               | 41                            | 201                                       | 589            | 321            | 262            |
| Buffalo Bill<br>Reservoir           | 360                                                        | 410      | 500                                | 640.1                                               | 64                            | 546                                       | 513            | 387            | 668            |

<sup>1</sup> The probability is estimated to be 9 chances in 10 that the actual volume will fall between the reasonable minimum and reasonable maximum.

<sup>2</sup> Average is based on the 1977-2006 period.

<sup>3</sup> Actual Inflows are as Follows:

|                                  | April (kaf) | May (kaf) |
|----------------------------------|-------------|-----------|
| Bull Lake                        | 2.8         | 36.1      |
| Wind River above Bull Lake Creek | 17.5        | 70.7      |
| Boysen                           | 31.4        | 85.9      |
| Buffalo Bill                     | 40.9        | 177.1     |

# SNOW WATER EQUIVALENT AS PERCENT OF AVERAGE

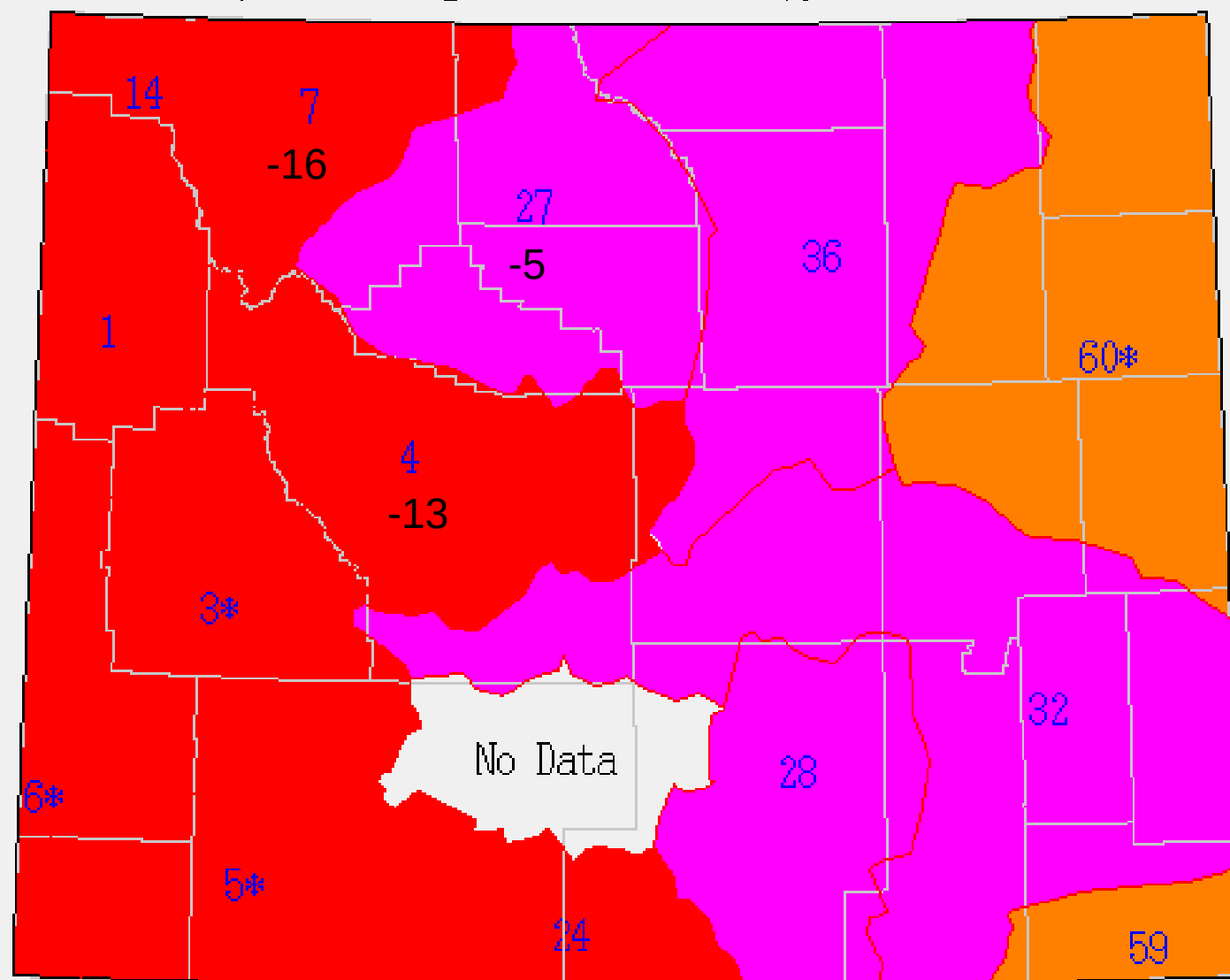
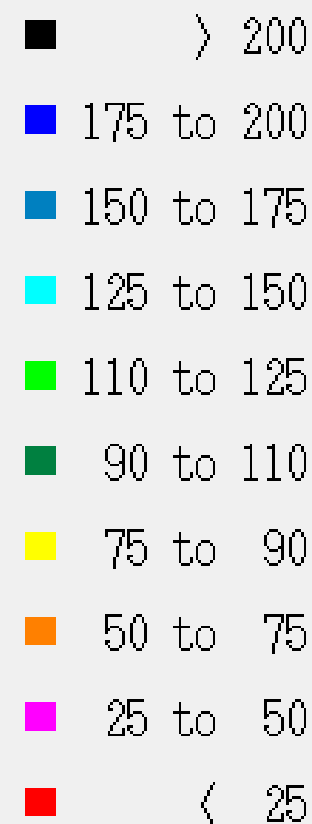
| DRAINAGE BASIN         | 5/21/2007 | 5/14/2007 | 5/7/2007 | 5/21/2006 | 5/14/2006 |
|------------------------|-----------|-----------|----------|-----------|-----------|
| SNAKE RIVER            | 14        | 30        | 49       | 68        | 91        |
| UPPER YELLOWSTONE      | 32        | 45        | 64       | 79        | 98        |
| WIND RIVER             | 17        | 38        | 65       | 32        | 53        |
| BIGHORN BASIN          | 32        | 49        | 73       | 38        | 61        |
| SHOSHONE               | 23        | 35        | 58       | 41        | 62        |
| POWDER – TONGUE        | 39        | 74        | 100      | 15        | 52        |
| BELLE FOURCHE          | 0         | 0         | 2        | 0         | 0         |
| UPPER NORTH PLATTE     | 40        | 49        | 57       | 63        | 76        |
| LOWER NORTH PLATTE     | 41        | 58        | 74       | 45        | 70        |
| LITTLE SNAKE RIVER     | 35        | 47        | 57       | 84        | 76        |
| UPPER GREEN RIVER      | 16        | 28        | 49       | 47        | 73        |
| LOWER GREEN RIVER      | 21        | 33        | 50       | 65        | 79        |
| UPPER BEAR RIVER       | 3         | 11        | 35       | 55        | 89        |
| Weighted State Average | 28        | 44        | 63       | 44        | 66        |

\* red = down

\* blue = up

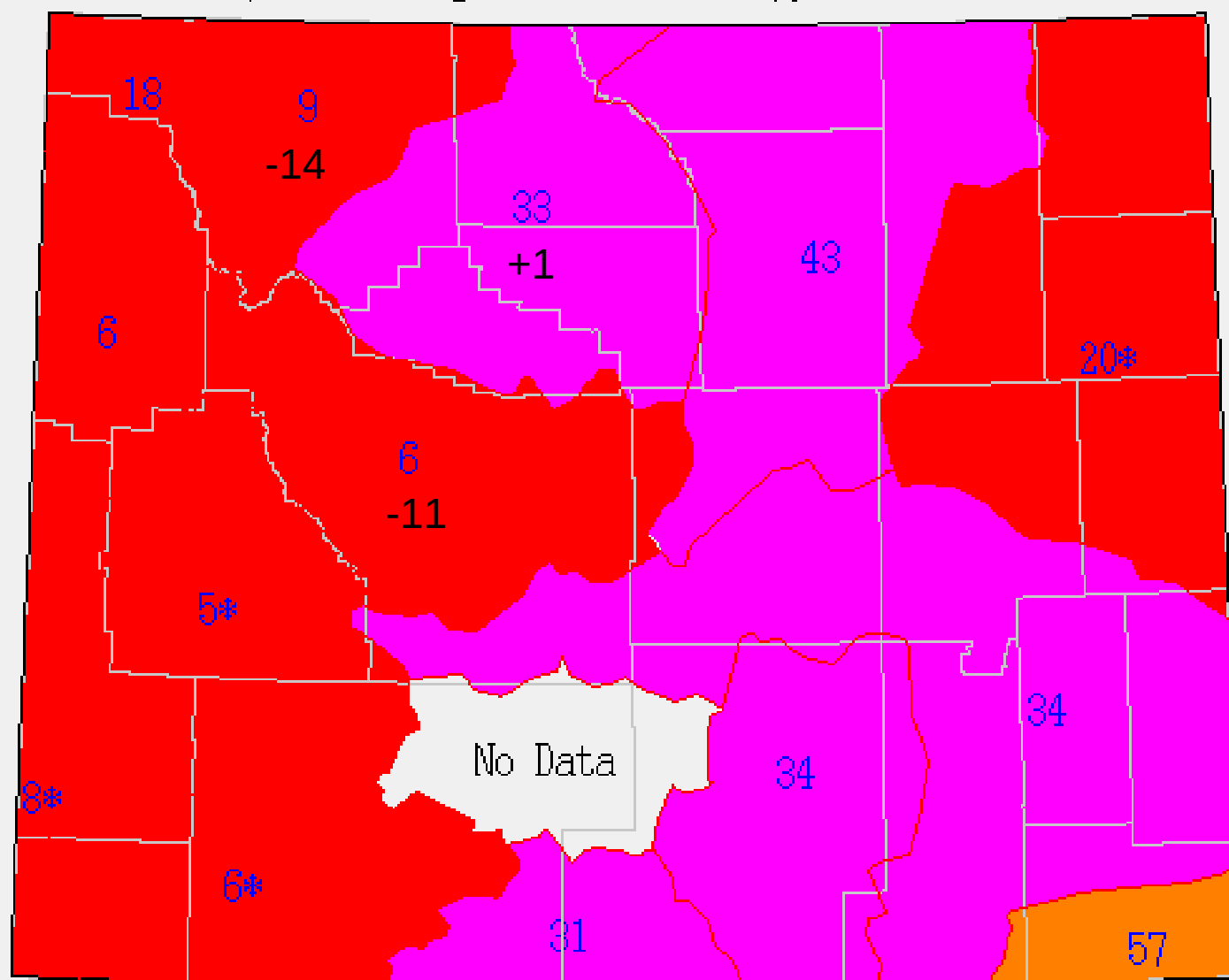
\* green = even

SWE % of Average as of Wednesday, 06 June 2007

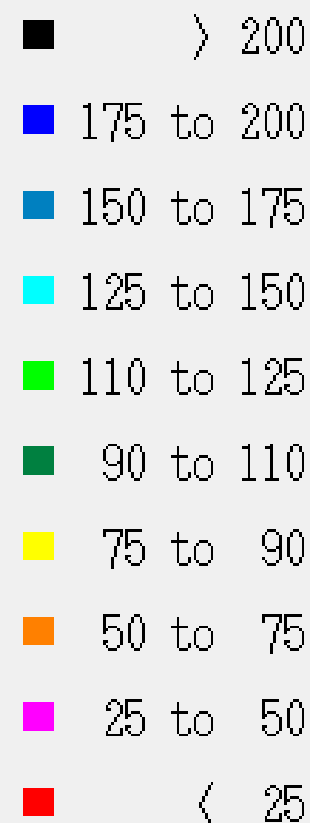
Percent  
of Average

\* = Data may not provide a valid measure of conditions

SWE % of Average as of Thursday, 07 June 2007

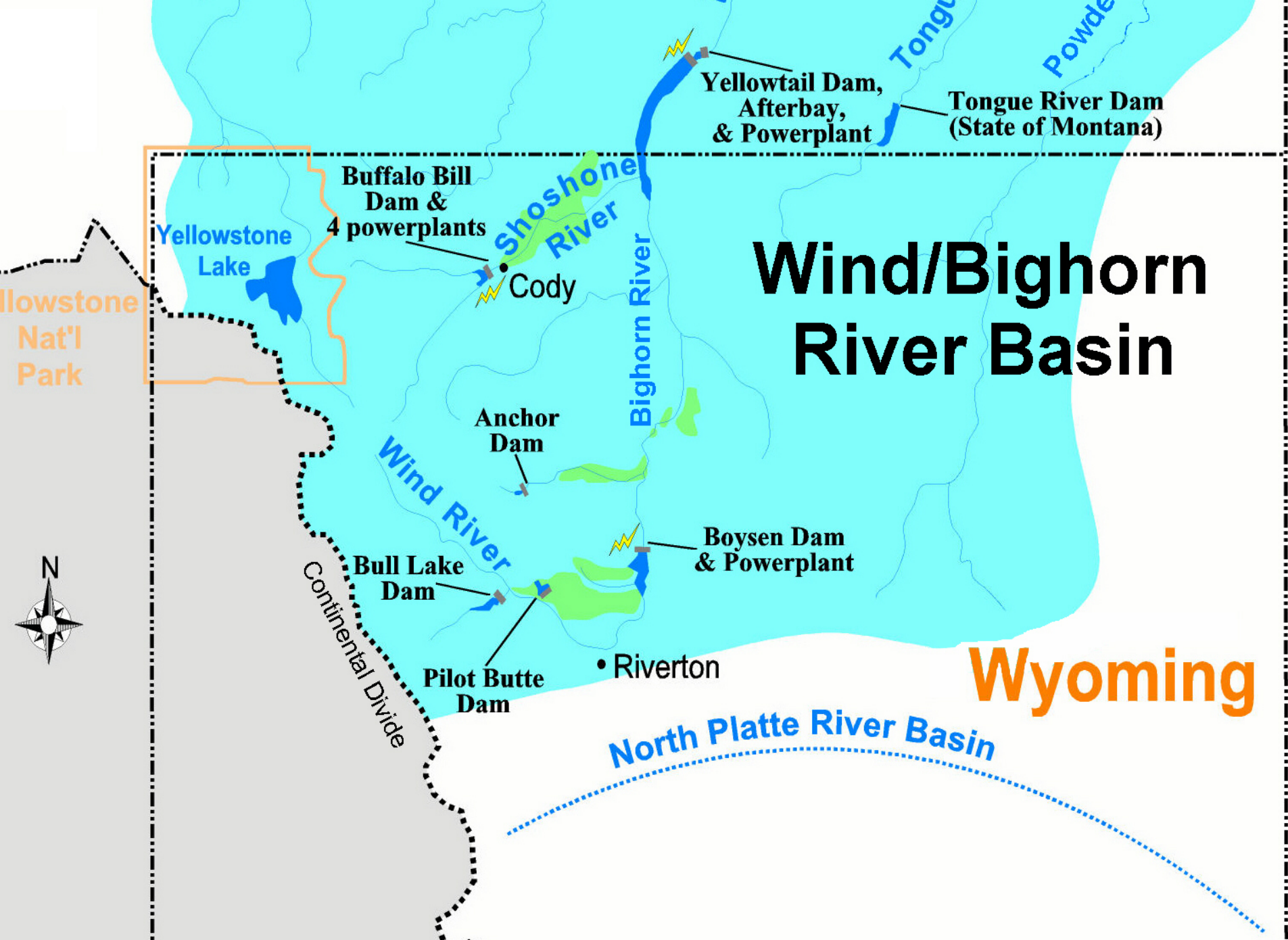


Percent  
of Average



\* = Data may not provide a valid measure of conditions







Bull Lake Dam & Reservoir

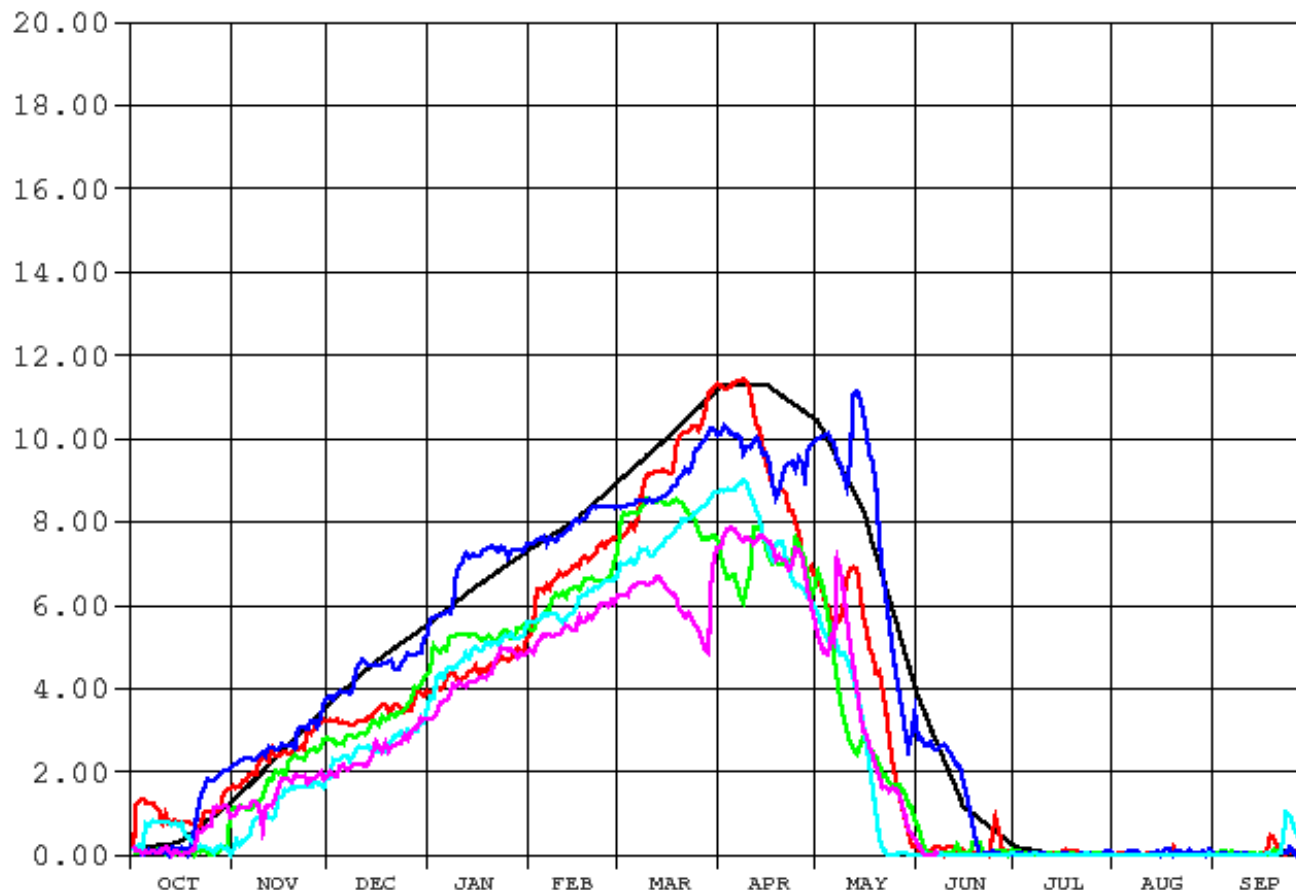


# Basin above Bull Lake Snow Water Equivalent

Archive Data From 1-OCT Through 30-SEP

Plotted 06/07/2007 11:00

Units: INCHES



BLR Bull Lake Reservoir near Lenore, WY  
 SE\_AVG Snow Water Equivalent Average (inches)  
 SE Snow Water Equivalent (inches)

2007  
 2003 2004 2005  
 2006 2007

| Water Year                | April-July Inflow (acre-feet) |
|---------------------------|-------------------------------|
| 2003                      | 110,200                       |
| 2004                      | 117,300                       |
| 2005                      | 154,700                       |
| 2006                      | 120,800                       |
| 2007                      | Forecast 100,000              |
| Avg 138,800<br>72% of Avg |                               |

Forecasted Min  
 90,000  
 60% of Avg

# Bull Lake Forecasted April-July Inflow (acre-feet)

| Water Year | January | February | March   | April   | May     | June    | Actual Inflow |
|------------|---------|----------|---------|---------|---------|---------|---------------|
| 2000       | 100,000 | 115,000  | 125,000 | 120,000 | 100,000 | 100,000 | 115,200       |
| 2001       | 115,000 | 100,000  | 100,000 | 90,000  | 90,000  | 90,000  | 85,800        |
| 2002       | 110,000 | 100,000  | 100,000 | 100,000 | 100,000 | 90,000  | 98,600        |
| 2003       | 100,000 | 100,000  | 110,000 | 130,000 | 110,000 | 110,000 | 110,200       |
| 2004       | 120,000 | 110,000  | 110,000 | 100,000 | 110,000 | 100,000 | 117,300       |
| 2005       | 150,000 | 150,000  | 135,000 | 135,000 | 140,000 | 160,000 | 154,700       |
| 2006       | 115,000 | 130,000  | 130,000 | 130,000 | 110,000 | 90,000  | 120,500       |
| 2007       | 115,000 | 115,000  | 115,000 | 110,000 | 100,000 | 100,000 | ?????         |





Boysen Dam, Reservoir, & Powerplant

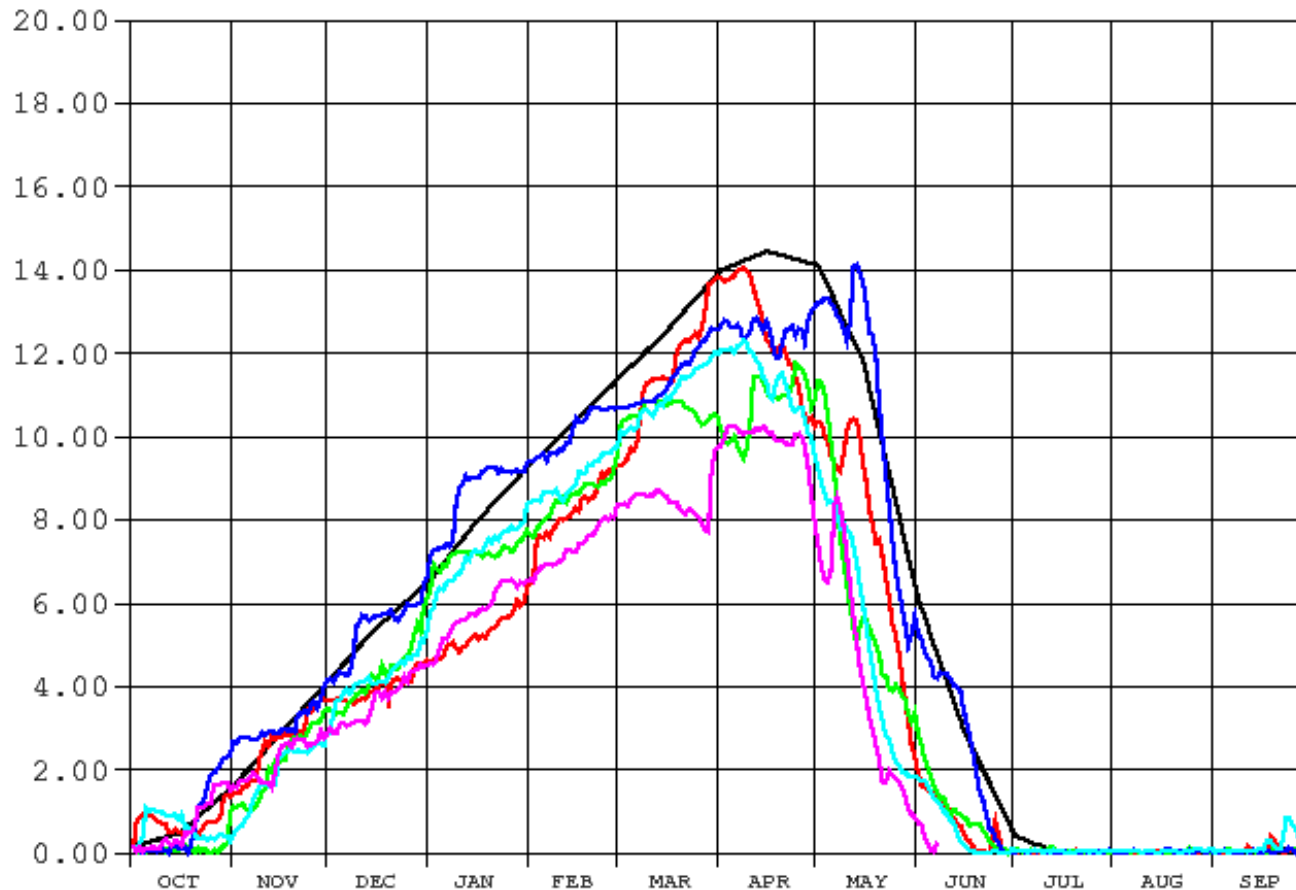


# Basin above Boysen Reservoir

## Snow Water Equivalent

Archive Data From 1-OCT Through 30-SEP  
Plotted 06/07/2007 11:02

Units: INCHES



BOYR Boysen Reservoir, Wind River near Thermopolis, WY  
SE\_AVG Snow Water Equivalent Average (inches)  
SE Snow Water Equivalent (inches)

2007  
2003 2004 2005  
2006 2007

| Water Year                | April-July Inflow (acre-feet) |
|---------------------------|-------------------------------|
| 2003                      | 262,300                       |
| 2004                      | 320,700                       |
| 2005                      | 589,300                       |
| 2006                      | 200,500                       |
| 2007                      | Forecast<br>225,000           |
| Avg 551,300<br>41% of Avg |                               |

Forecasted Min  
175,000  
32% of Avg



# Boysen Reservoir Forecasted April-July Inflow (acre-feet)

| Water Year | January | February | March   | April   | May     | June    | Actual Inflow |
|------------|---------|----------|---------|---------|---------|---------|---------------|
| 2000       | 460,000 | 490,000  | 500,000 | 450,000 | 300,000 | 300,000 | 278,400       |
| 2001       | 420,000 | 330,000  | 330,000 | 200,000 | 200,000 | 170,000 | 118,000       |
| 2002       | 375,000 | 375,000  | 325,000 | 325,000 | 300,000 | 210,00  | 159,200       |
| 2003       | 250,000 | 250,000  | 340,000 | 450,000 | 250,000 | 240,000 | 262,300       |
| 2004       | 440,000 | 350,000  | 400,000 | 200,000 | 250,000 | 250,000 | 320,700       |
| 2005       | 525,000 | 510,000  | 400,000 | 400,000 | 420,000 | 575,000 | 589,300       |
| 2006       | 400,000 | 500,000  | 500,000 | 450,000 | 350,000 | 300,000 | 200,500       |
| 2007       | 350,000 | 350,000  | 350,000 | 300,000 | 250,000 | 225,000 | ???           |

# Boysen Reservoir Inflow

| Water Year | Apr-Jul Inflow<br>(acre-feet) | Avg Apr-Jul Inflow<br>(acre-feet) | Annual Inflow<br>(acre-feet) | 30-yr Average Annual Inflow<br>(acre-feet) |
|------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------------|
| 2000       | 278,400                       | 551,300<br>(1977-2006 avg.)       | 626,000                      | 940,900<br>(1977-2006 avg.)                |
| 2001       | 118,000                       |                                   | 361,700                      |                                            |
| 2002       | 159,200                       |                                   | 383,800                      |                                            |
| 2003       | 262,300                       |                                   | 548,200                      |                                            |
| 2004       | 320,700                       |                                   | 627,800                      |                                            |
| 2005       | 589,300                       | 667,500<br>(1970-1999 avg.)       | 945,300                      | 1,094,100<br>(1970-1999 avg.)              |
| 2006       | 200,500                       |                                   | 500,700                      |                                            |
| 2007       | Exp. 225,000<br>Min. 175,000  |                                   | Exp. 480,000<br>Min. 430,000 |                                            |

# Boysen Reservoir Outflow

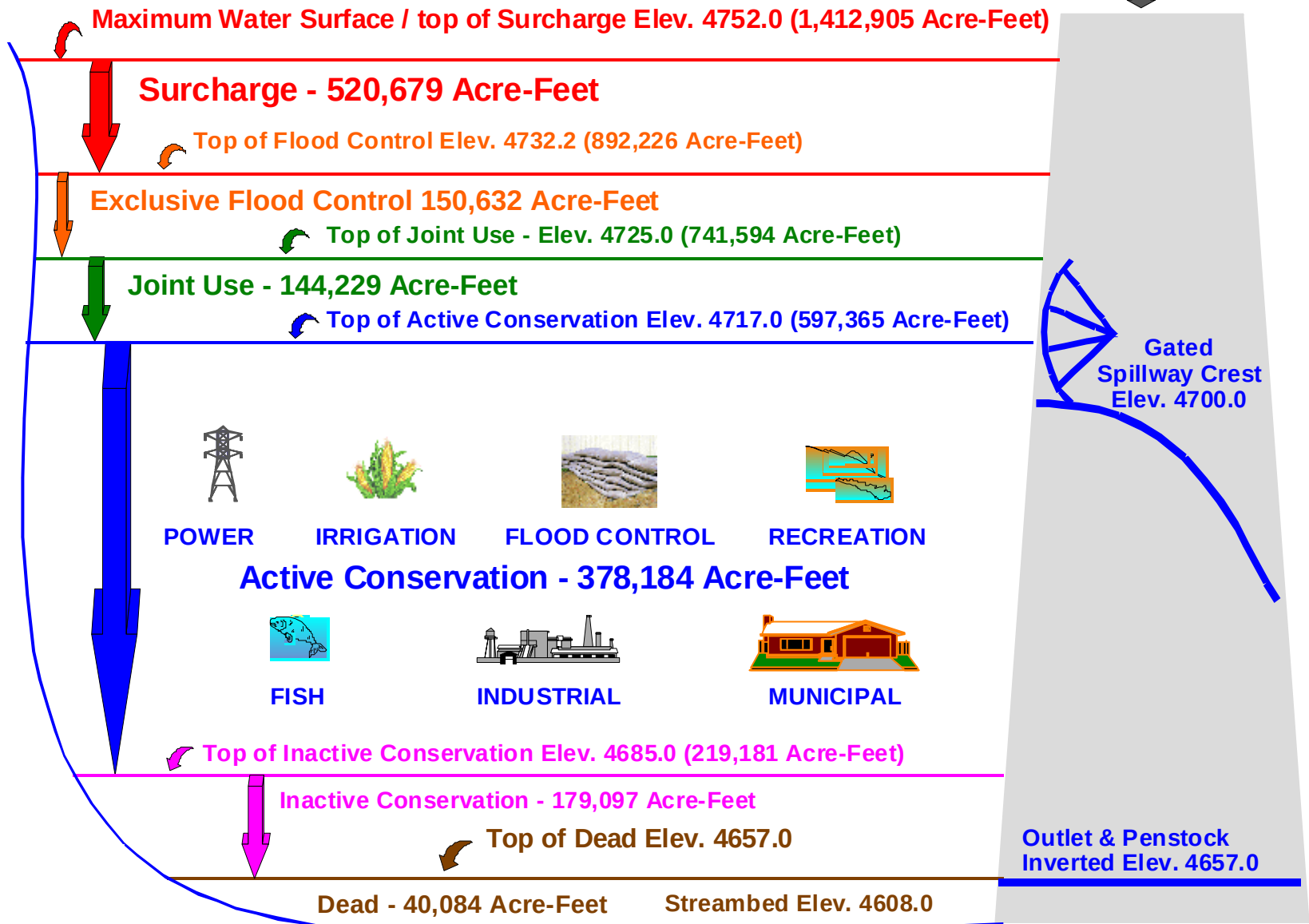
| Water Year | Outflow<br>(acre-feet)                        |                              |         | 30 Year Average <sup>1</sup> Outflow<br>(acre-feet) |         |         |
|------------|-----------------------------------------------|------------------------------|---------|-----------------------------------------------------|---------|---------|
|            | Oct-Mar                                       | Apr-Sep                      | Total   | Oct-Mar                                             | Apr-Sep | Annual  |
| 2000       | 338,200<br><small>(wr 1000 – 750 cfs)</small> | 380,200                      | 718,400 | 346,000                                             | 602,900 | 948,900 |
| 2001       | 247,800<br><small>(wr 700 cfs)</small>        | 352,100                      | 599,900 |                                                     |         |         |
| 2002       | 142,900<br><small>(wr 400 cfs)</small>        | 306,000                      | 448,900 |                                                     |         |         |
| 2003       | 109,200<br><small>(wr 300 cfs)</small>        | 326,000                      | 435,200 |                                                     |         |         |
| 2004       | 130,300<br><small>(wr 350 cfs)</small>        | 338,700                      | 469,000 |                                                     |         |         |
| 2005       | 145,500<br><small>(wr 400 cfs)</small>        | 682,800                      | 828,300 |                                                     |         |         |
| 2006       | 315,500<br><small>(wr 800 cfs)</small>        | 369,300                      | 684,800 |                                                     |         |         |
| 2007       | 181,600<br><small>(wr 500 cfs)</small>        | Exp. 353,000<br>Min. 353,000 | ???     |                                                     |         |         |

<sup>1</sup> 30-year averages 1977-2006    **wr** = winter release



# Boysen Reservoir Allocations

Dam Crest  
Elev. 4758.0



7/28/00

Note: Symbols represent typical reservoir uses.

Based on expected April-July inflow of 225 kaf and 2006 demand

| BOYSEN RESERVOIR MONTHLY OPERATIONS |     |              |         |            |         |              |         |            |         |              |         |            |         |
|-------------------------------------|-----|--------------|---------|------------|---------|--------------|---------|------------|---------|--------------|---------|------------|---------|
| Boysen Reservoir                    |     | Initial Cont |         | 483.0 kaf  |         | Maximum Cont |         | 892.2 kaf  |         | Minimum Cont |         | 219.2 kaf  |         |
|                                     |     | Elev         |         | 4709.29 ft |         | Elev         |         | 4732.20 ft |         | Elev         |         | 4685.00 ft |         |
| 2007                                |     | Jun          | Jul     | Aug        | Sep     | Oct          | Nov     | Dec        | Jan     | Feb          | Mar     | Apr        | May     |
| -----                               |     | -----        |         | -----      |         | -----        |         | -----      |         | -----        |         | -----      |         |
| Monthly Inflow                      | kaf | 68.0         | 39.7    | 26.3       | 30.9    | 40.0         | 51.3    | 39.8       | 36.6    | 38.4         | 50.0    | 49.4       | 152.1   |
| Monthly Inflow                      | cfs | 1143         | 646     | 428        | 519     | 651          | 862     | 647        | 595     | 668          | 813     | 830        | 2474    |
|                                     |     |              |         |            |         |              |         |            |         |              |         |            |         |
| Turbine Release                     | kaf | 69.6         | 73.2    | 66.4       | 45.5    | 30.7         | 23.8    | 24.6       | 24.6    | 23.0         | 24.6    | 44.6       | 65.8    |
| Bypass/Spill/Waste                  | kaf | 0.0          | 0.0     | 0.0        | 0.0     | 0.0          | 0.0     | 0.0        | 0.0     | 0.0          | 0.0     | 0.0        | 0.0     |
| Total Release                       | kaf | 69.6         | 73.2    | 66.4       | 45.5    | 30.7         | 23.8    | 24.6       | 24.6    | 23.0         | 24.6    | 44.6       | 65.8    |
| Total Release                       | cfs | 1170         | 1190    | 1080       | 765     | 499          | 400     | 400        | 400     | 400          | 400     | 750        | 1070    |
| End-Month Content                   | kaf | 481.4        | 447.9   | 407.8      | 393.2   | 402.5        | 430.0   | 445.2      | 457.2   | 472.6        | 498.0   | 502.8      | 589.1   |
| End-Month Elevation                 | ft  | 4709.17      | 4706.64 | 4703.40    | 4702.17 | 4702.96      | 4705.22 | 4706.43    | 4707.35 | 4708.52      | 4710.38 | 4710.72    | 4716.49 |



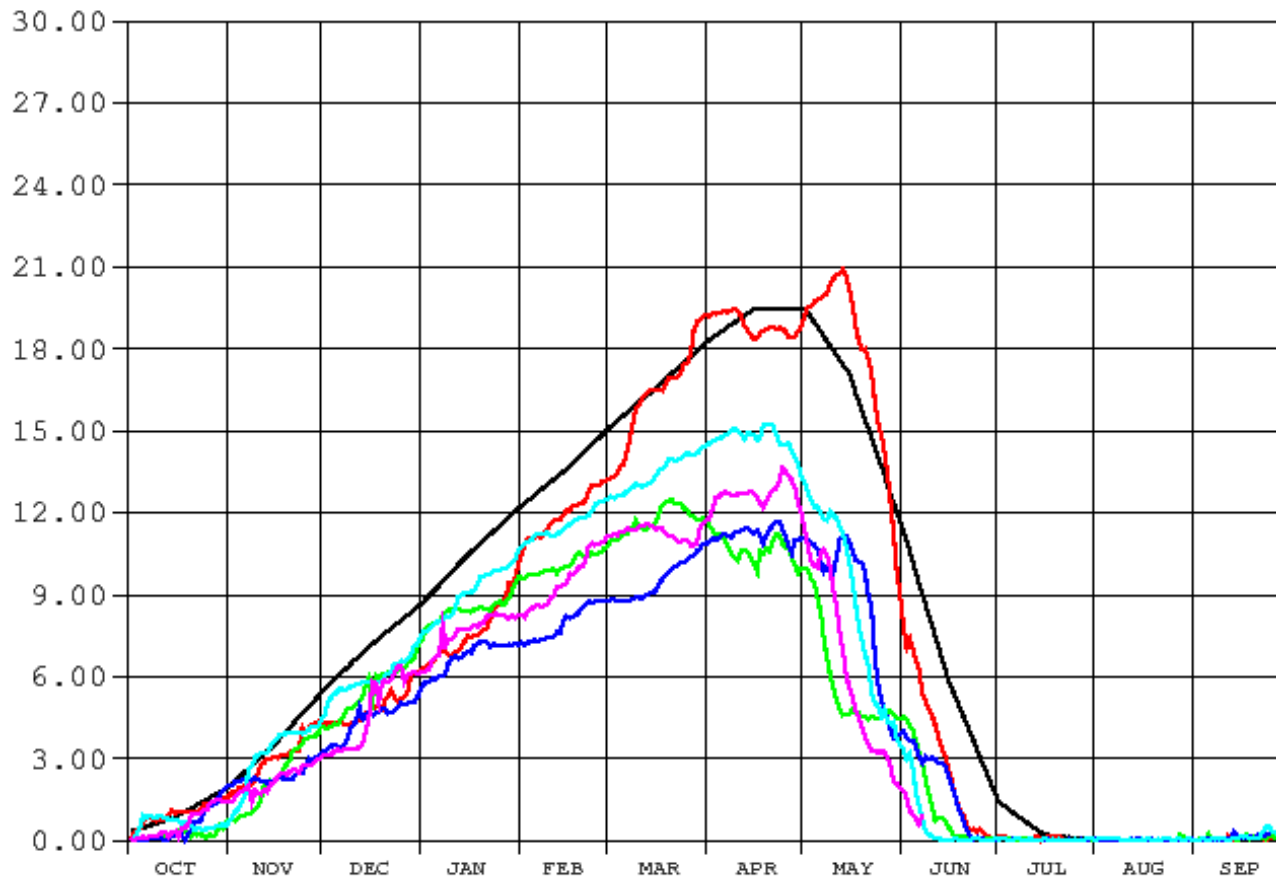
Buffalo Bill Dam, Visitor Center, & Shoshone Powerplant

# Basin above Buffalo Bill Reservoir

## Snow Water Equivalent

Archive Data From 1-OCT Through 30-SEP  
Plotted 06/07/2007 11:02

Units: INCHES



BBR Buffalo Bill Reservoir, Shoshone River near Cody, WY  
 SE\_AVG Snow Water Equivalent Average (inches)  
 SE Snow Water Equivalent (inches)

2007  
 2003 2004 2005  
 2006 2007

| Water Year                | April-July Inflow (acre-feet) |
|---------------------------|-------------------------------|
| 2003                      | 657,900                       |
| 2004                      | 387,000                       |
| 2005                      | 513,400                       |
| 2006                      | 545,900                       |
| 2007                      | Forecasted 410,000            |
| Avg 640,100<br>64% of Avg |                               |

Forecasted Min  
360,000  
56% of Avg



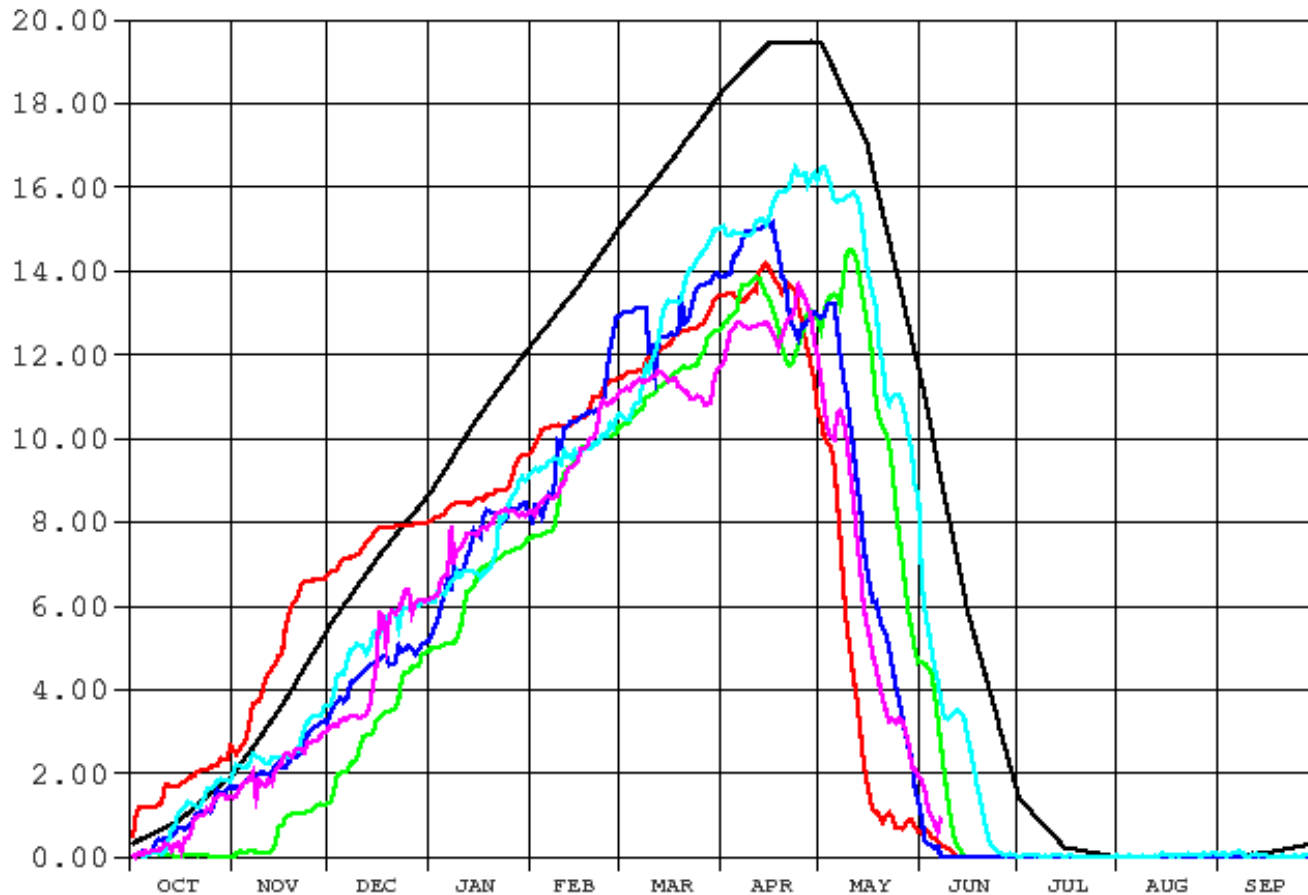
# Buffalo Bill Reservoir Forecasted April-July Inflow (acre-feet)

| Water Year | January | February | March   | April   | May     | June    | Actual Inflow |
|------------|---------|----------|---------|---------|---------|---------|---------------|
| 2000       | 500,000 | 540,000  | 550,000 | 550,000 | 500,000 | 500,000 | 536,200       |
| 2001       | 500,000 | 430,000  | 400,000 | 375,000 | 400,000 | 360,000 | 374,800       |
| 2002       | 550,000 | 550,000  | 490,000 | 500,000 | 550,000 | 530,000 | 552,500       |
| 2003       | 500,000 | 550,000  | 550,000 | 650,000 | 560,000 | 540,000 | 667,900       |
| 2004       | 630,000 | 530,000  | 530,000 | 400,000 | 350,000 | 400,000 | 387,000       |
| 2005       | 500,000 | 450,000  | 425,000 | 400,000 | 400,000 | 485,000 | 513,400       |
| 2006       | 600,000 | 650,000  | 650,000 | 600,000 | 500,000 | 470,000 | 545,900       |
| 2007       | 500,000 | 500,000  | 525,000 | 425,000 | 425,000 | 410,000 | ???           |

# Basin above Buffalo Bill Reservoir SWE Comparison to Past Years

Archive Data From 1-OCT Through 30-SEP  
Plotted 06/07/2007 11:05

Units: INCHES



BBR Buffalo Bill Reservoir, Shoshone River near Cody, WY  
SE\_AVG Snow Water Equivalent Average (inches)  
SE Snow Water Equivalent (inches)

2007  
1987 1988 1994  
2002 2007

| Water Year  | April-July Inflow (acre-feet) |
|-------------|-------------------------------|
| 1987        | 447,000                       |
| 1988        | 394,000                       |
| 1994        | 413,000                       |
| 2002        | 375,000                       |
| 2007        | Forecast 410,000              |
| Avg 640,100 |                               |

# Buffalo Bill Reservoir Inflow

| Water Year                                     | Apr-Jul Inflow<br>(acre-feet) | Avg <sup>1</sup> Apr-Jul<br>Inflow<br>(acre-feet) | Annual Inflow<br>(acre-feet)    | Average <sup>1</sup><br>Annual Inflow<br>(acre-feet) |
|------------------------------------------------|-------------------------------|---------------------------------------------------|---------------------------------|------------------------------------------------------|
| 2000                                           | 536,200                       | <b>640,100</b><br>(1977-2006 avg.)                | 664,000                         | <b>819,100</b><br>(1977-2006 avg.)                   |
| 2001                                           | 374,800                       |                                                   | 507,100                         |                                                      |
| 2002                                           | 552,500                       |                                                   | 665,700                         |                                                      |
| 2003                                           | 667,900                       |                                                   | 782,700                         |                                                      |
| 2004                                           | 387,000                       | <b>716,600</b><br>(1970-1999 avg.)                | 561,400                         | <b>914,000</b><br>(1970-1999 avg.)                   |
| 2005                                           | 513,400                       |                                                   | 680,000                         |                                                      |
| 2006                                           | 545,900                       |                                                   | 701,600                         |                                                      |
| <b>2007</b><br>Expected 410,000<br>Min 360,000 |                               |                                                   | Expected 564,000<br>Min 514,000 |                                                      |

<sup>1</sup> 30-year average 1977-2006

# Buffalo Bill Reservoir Outflow

| Water Year | Outflow<br>(acre-feet)                          | Average <sup>1</sup> Outflow<br>(acre-feet) |
|------------|-------------------------------------------------|---------------------------------------------|
| 2000       | 774,500<br>(wr 350 cfs)                         | 814,600                                     |
| 2001       | 638,100<br>(wr 350 cfs)                         |                                             |
| 2002       | 573,600<br>(wr 100 cfs)                         |                                             |
| 2003       | 675,400<br>(wr 100 cfs)                         |                                             |
| 2004       | 587,800<br>(wr 100 cfs)                         |                                             |
| 2005       | 668,300<br>(wr 150 cfs)                         |                                             |
| 2006       | 710,200<br>(wr 200 cfs)                         |                                             |
| 2007       | Expected 610,000<br>Min 610,000<br>(wr 200 cfs) |                                             |

<sup>1</sup> 30-year average 1977-2006    wr = winter release



# Exhibit A: Buffalo Bill Reservoir Winter Release Criteria

Projected for 2008 150 cfs

## Previous Water Year Total Inflow is greater than 650,000 Acre-feet

2007 Annual Inflow 579,000 AF

< winter release set based on previous end-of-year reservoir content  
(Go to End-of-Year Reservoir Content Criteria Below, BOX #2)

Sept. 30, 2007 Res Content 391,700 AF

Sept. 30, 2007 State Account 179,000 AF

## Previous Water Year Total Inflow 650,000 Acre-feet or Less (Critical Low Flow Year)

< winter release set based on previous end-of-year State Account content  
(Go to State Account end-of year content, BOX #3)

### BOX #2

#### Reservoir end-of-year Content:

Less than 375,000 AF

375,000 - 475,000 AF

Greater than 475,000 AF

#### Winter Release:

Go to BOX #3

Go to BOX #4

Go to BOX #5

### BOX #3

#### State Account end-of-year content:

Greater than 60,000 AF

60,000 AF or less

#### Winter Release:

150 cfs

100 cfs

### BOX #4

#### State Account end-of-year Content:

Greater than 95,000 AF

60,001 - 95,000 AF

60,000 AF or less

#### Winter Release:

200 cfs

150 cfs

100 cfs

### BOX #5

#### State Account end-of-year Content:

Greater than 150,000 AF

95,001 - 150,000 AF

60,001 - 95,000 AF

60,000 AF or less

#### Winter Release:

350 cfs

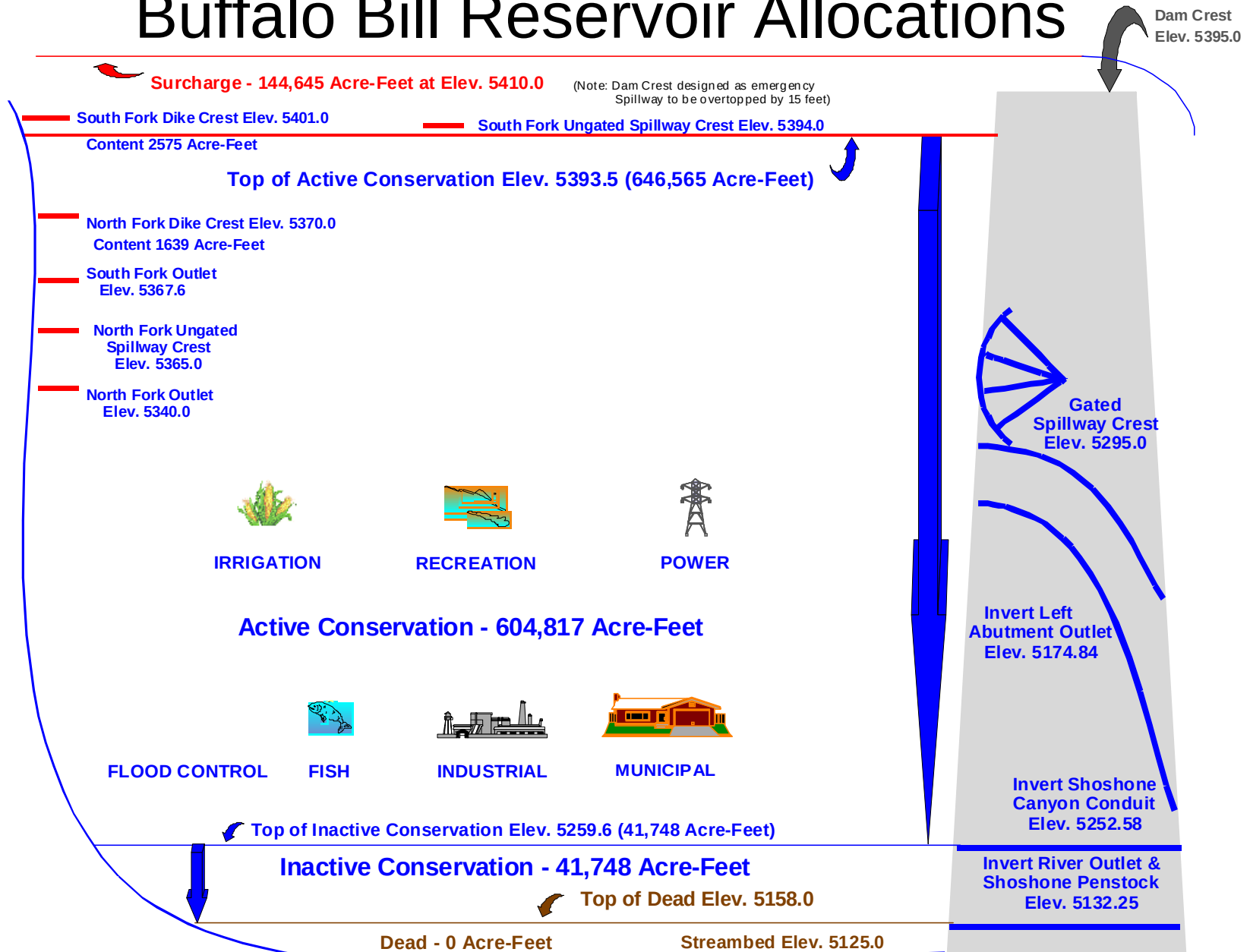
200 cfs

150 cfs

100 cfs

50 cfs of the winter release comes from the Shoshone Project Account.

# Buffalo Bill Reservoir Allocations



7/28/00

Note: Symbols represent typical reservoir uses.

# Buffalo Bill Reservoir Storage Accounts

Top of Active Conservation Elev. 5393.5 (646,565 Acre-Feet)

Dam Crest  
Elev. 5395.0

State  
Account  
189,965 Acre-Feet

Shoshone  
Project  
Account  
330,710 Acre- Feet

Polecat  
Bench  
Account  
69,081  
Acre-Feet

Private  
Account  
15,061  
Acre-Feet

Old Crest of  
Dam Elev.  
5370.0 ft.

Active Conservation -  
604,817 Acre-Feet

Gated  
Spillway Crest  
Elev. 5295.0

Invert Left  
Abutment Outlet  
Elev. 5174.84

Invert Shoshone  
Canyon Conduit  
Elev. 5252.58

Invert River Outlet &  
Shoshone Penstock  
Elev. 5132.25 ft.

Top of Inactive Conservation  
Elev. 5259.6 ft.

Inactive Conservation - 41,748 Acre-Feet

Top of Dead Elev. 5158.0

Dead - 0 Acre-Feet

Streambed Elev. 5125.0

Based on expected April - July inflow of 410 kaf

| Buffalo Bill Reservoir Monthly Operations |     |                   |         |                         |         |                   |         |                         |         |                   |         |                        |         |
|-------------------------------------------|-----|-------------------|---------|-------------------------|---------|-------------------|---------|-------------------------|---------|-------------------|---------|------------------------|---------|
| Buffalo Bill Reservoir                    |     | Initial Cont Elev |         | 559.1 kaf<br>5382.89 ft |         | Maximum Cont Elev |         | 643.1 kaf<br>5393.50 ft |         | Minimum Cont Elev |         | 41.8 kaf<br>5259.64 ft |         |
| 2007                                      |     | Jun               | Jul     | Aug                     | Sep     | Oct               | Nov     | Dec                     | Jan     | Feb               | Mar     | Apr                    | May     |
| Monthly Inflow                            | kaf | 141.1             | 50.9    | 25.7                    | 21.2    | 27.7              | 22.3    | 17.8                    | 15.6    | 13.6              | 16.4    | 34.7                   | 143.7   |
| Shoshone Release                          | kaf | 6.0               | 6.2     | 6.2                     | 6.0     | 9.2               | 8.9     | 9.2                     | 9.2     | 8.6               | 9.2     | 8.9                    | 6.2     |
| Non-Power Release                         | kaf | 0.0               | 0.0     | 0.0                     | 0.0     | 0.0               | 0.0     | 0.0                     | 0.0     | 0.0               | 0.0     | 0.0                    | 0.0     |
| Total Flow Below Dam                      | kaf | 6.0               | 6.2     | 6.2                     | 6.0     | 9.2               | 8.9     | 9.2                     | 9.2     | 8.6               | 9.2     | 8.9                    | 6.2     |
| Buffalo Bill Release                      | kaf | 48.6              | 51.0    | 52.3                    | 38.7    | 0.0               | 0.0     | 0.0                     | 0.0     | 0.0               | 0.0     | 6.5                    | 52.7    |
| Municipal Delivery                        | kaf | 0.3               | 0.3     | 0.3                     | 0.3     | 0.3               | 0.3     | 0.3                     | 0.3     | 0.3               | 0.3     | 0.3                    | 0.3     |
| Heart Mtn Release                         | kaf | 8.1               | 13.2    | 4.5                     | 5.3     | 9.2               | 0.0     | 0.0                     | 0.0     | 0.0               | 0.0     | 9.0                    | 6.0     |
| Heart Mtn Delivery                        | kaf | 42.0              | 48.0    | 41.0                    | 28.0    | 8.0               | 0.0     | 0.0                     | 0.0     | 0.0               | 0.0     | 7.0                    | 36.0    |
| Total Outflow                             | kaf | 105.0             | 118.7   | 104.3                   | 78.3    | 26.7              | 9.2     | 9.5                     | 9.5     | 8.9               | 9.5     | 31.7                   | 101.2   |
| Spill/Waste                               | kaf | 0.0               | 0.0     | 0.0                     | 0.0     | 0.0               | 0.0     | 0.0                     | 0.0     | 0.0               | 0.0     | 0.0                    | 0.0     |
| End-Month Targets                         | kaf | 634.2             | 643.1   |                         | 502.0   |                   |         |                         |         |                   |         |                        |         |
| End-Month Content                         | kaf | 595.2             | 527.4   | 448.8                   | 391.7   | 392.7             | 405.8   | 414.1                   | 420.2   | 424.9             | 431.8   | 434.8                  | 477.3   |
| Est Total Storage                         | kaf | 598.6             | 530.8   | 452.2                   | 395.1   | 396.1             | 409.2   | 417.5                   | 423.6   | 428.3             | 435.2   | 438.2                  | 480.7   |
| End-Month Elevation                       | ft  | 5387.58           | 5378.69 | 5367.87                 | 5359.35 | 5359.50           | 5361.52 | 5362.78                 | 5363.70 | 5364.41           | 5365.43 | 5365.86                | 5371.87 |
| Net Change Content                        | kaf | 36.1              | -67.8   | -78.6                   | -57.1   | 1.0               | 13.1    | 8.3                     | 6.1     | 4.7               | 6.9     | 3.0                    | 42.5    |
| Flow Below BB Pwr                         | kaf | 54.6              | 57.2    | 58.5                    | 44.7    | 9.2               | 8.9     | 9.2                     | 9.2     | 8.6               | 9.2     | 15.4                   | 58.9    |
| Flow Below BB Pwr                         | cfs | 918               | 930     | 951                     | 751     | 150               | 150     | 150                     | 150     | 150               | 150     | 259                    | 958     |
| Spring Inflow                             | kaf | 3.6               | 3.7     | 3.7                     | 3.6     | 3.7               | 3.6     | 3.7                     | 3.7     | 3.5               | 3.7     | 3.6                    | 3.7     |
| Passing Cody Gage                         | kaf | 66.3              | 74.1    | 66.7                    | 53.6    | 22.1              | 12.5    | 12.9                    | 12.9    | 12.1              | 12.9    | 28.0                   | 68.6    |
| Passing Cody Gage                         | cfs | 1114              | 1205    | 1085                    | 901     | 359               | 210     | 210                     | 210     | 210               | 210     | 471                    | 1116    |