

# RECLAMATION

*Managing Water in the West*

January 1, 2009

Dear Customer:

Attached are the monthly water supply outlook and projected reservoir and river operating plans as prepared on January 1, 2009. Due to the low inflows during 2008 fall and winter inflows are anticipated to remain below average. If you have any questions or concerns, please call me at (406) 247-7334.

Chuck Heinje  
Reservoir and River Operations



U. S. Department of the Interior  
Bureau of Reclamation  
Montana Area Office  
River and Reservoir Operations

# CLARK CANYON RESERVOIR OPERATIONS

## Water Supply Forecasts and Reservoir Operations January 1, 2009

| Reservoir               | Elevation | Storage(kaf) | % Average | % Full |
|-------------------------|-----------|--------------|-----------|--------|
| Lima Reservoir:         | 6571.25   | 33,004       | 93        | 39     |
| Clark Canyon Reservoir: | 5529.13   | 97,201       | 71        | 56     |

### Actual Inflows (1,000 Acre-Feet):

| <u>Month</u>     | <u>Inflow</u> | <u>Percent of Normal</u> |
|------------------|---------------|--------------------------|
| April-July, 2007 | 40.2          | 36                       |
| April-July, 2008 | 52.9          | 47                       |
| August           | 11.0          | 57                       |
| September        | 14.9          | 74                       |
| October          | 15.0          | 65                       |
| November         | 12.5          | 56                       |
| December         | 11.5          | 60                       |

### January 1 Forecast of April-July Inflow (1,000 Acre-Feet):

| <u>Agency</u> | <u>Inflow</u> | <u>Percent of Normal</u> |
|---------------|---------------|--------------------------|
| USBR          | 47.6          | 43                       |
| NRCS          | 75.0          | 66                       |
| Corps         | 102.9         | 94                       |
| Average       | 75.2          | 67                       |

### SNOTEL DATA: January 1, 2009

| BASIN<br>Data Site Name       | ELEV.<br>(Ft) | SNOW WATER EQUIVALENT |         |       | TOTAL PRECIPITATION |         |       |
|-------------------------------|---------------|-----------------------|---------|-------|---------------------|---------|-------|
|                               |               | Current               | Average | % Avg | Current             | Average | % Avg |
| -----                         |               |                       |         |       |                     |         |       |
| JEFFERSON RIVER BASIN         |               |                       |         |       |                     |         |       |
| ALBRO LAKE                    | 8300          | 10.9                  | 9.6     | 114   | 12.7                | 10.8    | 118   |
| BARKER LAKES                  | 8250          | 9.1                   | 6.7     | 136   | 11.5                | 8.1     | 142   |
| BASIN CREEK                   | 7180          | 4.2                   | 3.7     | 114   | 7.2                 | 4.4     | 164   |
| BEAGLE SPRINGS                | 8850          | 5.3                   | 3.7     | 143   | 7.3                 | 5.3     | 138   |
| BLOODY DICK                   | 7600          | 5.3                   | 5.6     | 95    | 8.3                 | 8.0     | 104   |
| CALVERT CREEK                 | 6430          | 3.1                   | 3.9     | 79    | 5.9                 | 5.3     | 111   |
| CLOVER MEADOW                 | 8600          | 7.8                   | 8.1     | 96    | 8.9                 | 8.5     | 105   |
| DARKHORSE LAKE                | 8600          | 15.4                  | 13.9    | 111   | 15.1                | 15.2    | 99    |
| DIVIDE                        | 7800          | 4.7                   | 4.8     | 98    | 6.9                 | 5.6     | 123   |
| FROHNER MEADOW                | 6480          | 3.0                   | 3.4     | 88    | 7.6                 | 5.7     | 133   |
| LAKEVIEW RIDGE                | 7400          | 5.2                   | 5.1     | 102   | 10.0                | 7.0     | 143   |
| LEMHI RIDGE                   | 8100          | 5.6                   | 4.7     | 119   | 7.6                 | 6.8     | 112   |
| LOWER TWIN                    | 7900          | 9.3                   | 8.8     | 106   | 12.9                | 10.5    | 123   |
| MOOSE CREEK                   | 6200          | 6.4                   | 7.8     | 82    | 10.9                | 9.6     | 114   |
| MULE CREEK                    | 8300          | 8.0                   | 6.9     | 116   | 9.5                 | 7.9     | 120   |
| ROCKER PEAK                   | 8000          | 8.8                   | 6.4     | 138   | 10.8                | 7.1     | 152   |
| SADDLE MTN.                   | 7940          | 10.3                  | 11.7    | 88    | 11.5                | 12.8    | 90    |
| SHORT CREEK                   | 7000          | 2.1                   | 2.9     | 72    | 4.5                 | 3.9     | 115   |
| WHITE ELEPHANT                | 7710          | 11.2                  | 11.8    | 95    | 13.8                | 13.9    | 99    |
|                               |               |                       |         | ----- |                     |         | ----- |
| Basin wide percent of average |               |                       |         | 105   |                     |         | 117   |

CCRAOP V1.07 Run: 09-Jan-2009 14:20

Based on Most Probable Inflow Forecast Allotments CCWSC=3.5 af/acre, and EB= 2.7 af/acre

CLARK CANYON RESERVOIR MONTHLY OPERATIONS

| Clark Canyon Reservoir |      | Initial Cont<br>Elev |         | 97.2 kaf<br>5529.13 ft |         | Maximum Cont<br>Elev |         | 310.1 kaf<br>5569.57 ft |         | Minimum Cont<br>Elev |         | 10.0 kaf<br>5489.22 ft |         | Total |
|------------------------|------|----------------------|---------|------------------------|---------|----------------------|---------|-------------------------|---------|----------------------|---------|------------------------|---------|-------|
|                        | 2009 | Jan                  | Feb     | Mar                    | Apr     | May                  | Jun     | Jul                     | Aug     | Sep                  | Oct     | Nov                    | Dec     |       |
| Monthly Inflow         | kaf  | 12.6                 | 13.0    | 15.8                   | 16.0    | 15.7                 | 23.9    | 19.6                    | 14.5    | 14.9                 | 16.2    | 17.3                   | 16.0    | 195.5 |
| Canyon Ditch Dmd       | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 2.1                  | 3.2     | 3.6                     | 2.9     | 0.6                  | 0.0     | 0.0                    | 0.0     | 12.4  |
| Dillon Dmd             | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 0.7                  | 1.4     | 1.8                     | 1.5     | 0.3                  | 0.0     | 0.0                    | 0.0     | 5.7   |
| West Side Canal Dmd    | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 3.3                  | 3.9     | 5.3                     | 4.2     | 0.9                  | 0.0     | 0.0                    | 0.0     | 17.6  |
| COOP-Pt. Rocks Dmd     | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 1.0                  | 1.2     | 1.7                     | 1.5     | 0.3                  | 0.0     | 0.0                    | 0.0     | 5.7   |
| Other Dmd              | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 6.7                  | 10.7    | 12.9                    | 12.0    | 2.2                  | 0.0     | 0.0                    | 0.0     | 44.5  |
| CCWSCO Total Dmd       | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 13.8                 | 20.4    | 25.3                    | 22.1    | 4.3                  | 0.0     | 0.0                    | 0.0     | 85.9  |
| Dmd. sat by rtn fl     | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 5.1                  | 6.7     | 9.9                     | 12.4    | 0.6                  | 0.0     | 0.0                    | 0.0     | 34.7  |
| CCWSCO rel. req.       | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 8.7                  | 13.7    | 15.4                    | 9.7     | 3.7                  | 0.0     | 0.0                    | 0.0     | 51.2  |
| CCWSCO Deliv           | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 8.7                  | 13.7    | 15.4                    | 9.7     | 3.7                  | 0.0     | 0.0                    | 0.0     | 51.2  |
| CCWSCO Short           | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 1.3                  | 1.9     | 2.2                     | 1.4     | 0.5                  | 0.0     | 0.0                    | 0.0     | 7.3   |
| Senior Users Dmd       | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 2.4                  | 6.7     | 6.0                     | 8.9     | 4.4                  | 0.0     | 0.0                    | 0.0     | 28.4  |
| Dmd. sat by rtn fl     | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 0.9                  | 2.2     | 2.3                     | 5.0     | 0.7                  | 0.0     | 0.0                    | 0.0     | 11.1  |
| Senior rel. req.       | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 1.5                  | 4.5     | 3.7                     | 3.9     | 3.7                  | 0.0     | 0.0                    | 0.0     | 17.3  |
| Senior Users Deliv     | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 1.5                  | 4.5     | 3.7                     | 3.9     | 3.7                  | 0.0     | 0.0                    | 0.0     | 17.3  |
| Senior Users Short     | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | -0.6                 | -2.0    | -1.6                    | -1.7    | -1.5                 | 0.0     | 0.0                    | 0.0     | -7.4  |
| E.B. Dmd               | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 12.8                 | 16.2    | 21.8                    | 9.2     | 1.3                  | 0.0     | 0.0                    | 0.0     | 61.3  |
| E.B. Div @ Bar.        | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 25.6                 | 32.4    | 43.6                    | 18.4    | 2.6                  | 0.0     | 0.0                    | 0.0     | 122.6 |
| East Bench Short       | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | -10.9                | -13.8   | -18.5                   | -7.9    | -1.2                 | 0.0     | 0.0                    | 0.0     | -52.3 |
| Gordon Spring Gain     | cfs  | 25                   | 25      | 25                     | 25      | 25                   | 25      | 25                      | 25      | 25                   | 25      | 25                     | 25      |       |
| Min Release at Dam     | cfs  | 35                   | 35      | 35                     | 35      | 100                  | 100     | 100                     | 100     | 100                  | 50      | 50                     | 50      |       |
| Total Irr Sto Dmd      | kaf  | 0.0                  | 0.0     | 0.0                    | 0.0     | 35.8                 | 50.6    | 62.7                    | 32.0    | 10.0                 | 0.0     | 0.0                    | 0.0     | 191.1 |
| Total Dam Release      | cfs  | 36                   | 34      | 36                     | 35      | 558                  | 825     | 995                     | 496     | 143                  | 50      | 50                     | 50      |       |
| Total Dam Release      | kaf  | 2.2                  | 1.9     | 2.2                    | 2.1     | 34.3                 | 49.1    | 61.2                    | 30.5    | 8.5                  | 3.1     | 3.0                    | 3.1     | 201.2 |
| River flow bl dam      | cfs  | 60                   | 59      | 60                     | 61      | 582                  | 850     | 1020                    | 520     | 168                  | 75      | 76                     | 75      |       |
| Excess Release         | cfs  | 0                    | 0       | 0                      | 0       | 0                    | 0       | 0                       | 0       | 0                    | 0       | 0                      | 0       |       |
| Excess 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     | 0.0   |
| End-Month Content      | kaf  | 107.6                | 118.7   | 132.3                  | 146.2   | 127.6                | 102.4   | 60.8                    | 44.8    | 51.2                 | 64.3    | 78.6                   | 91.5    |       |
| End-Month Elevation    | ft   | 5531.78              | 5534.44 | 5537.51                | 5540.46 | 5536.47              | 5530.48 | 5518.04                 | 5511.68 | 5514.38              | 5519.27 | 5523.88                | 5527.60 |       |
| Net Change Content     | kaf  | 10.4                 | 11.1    | 13.6                   | 13.9    | -18.6                | -25.2   | -41.6                   | -16.0   | 6.4                  | 13.1    | 14.3                   | 12.9    | -5.7  |

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Based on Minimum Probable Inflow Forecast; DMP Allotments: EB=2.0 AF/acre & CCWSC=3.0 AF/acre

CLARK CANYON RESERVOIR MONTHLY OPERATIONS

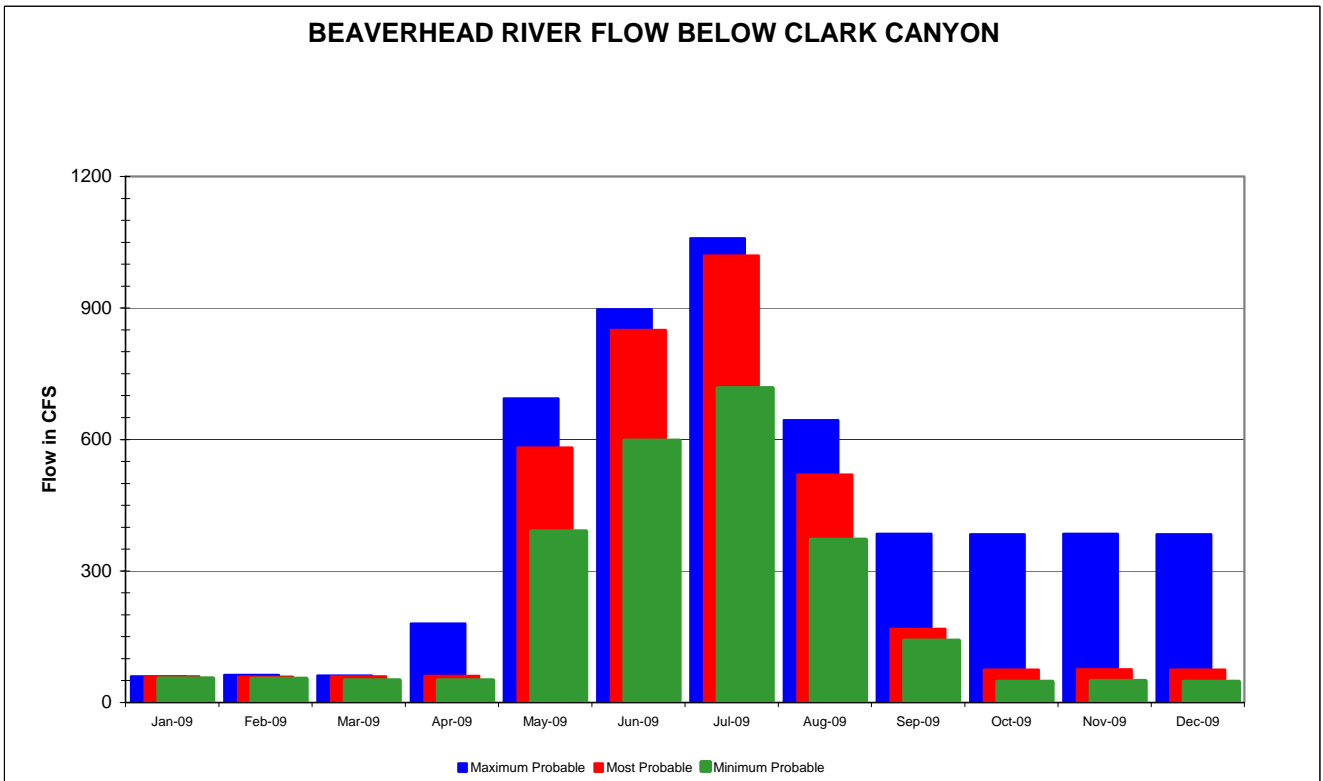
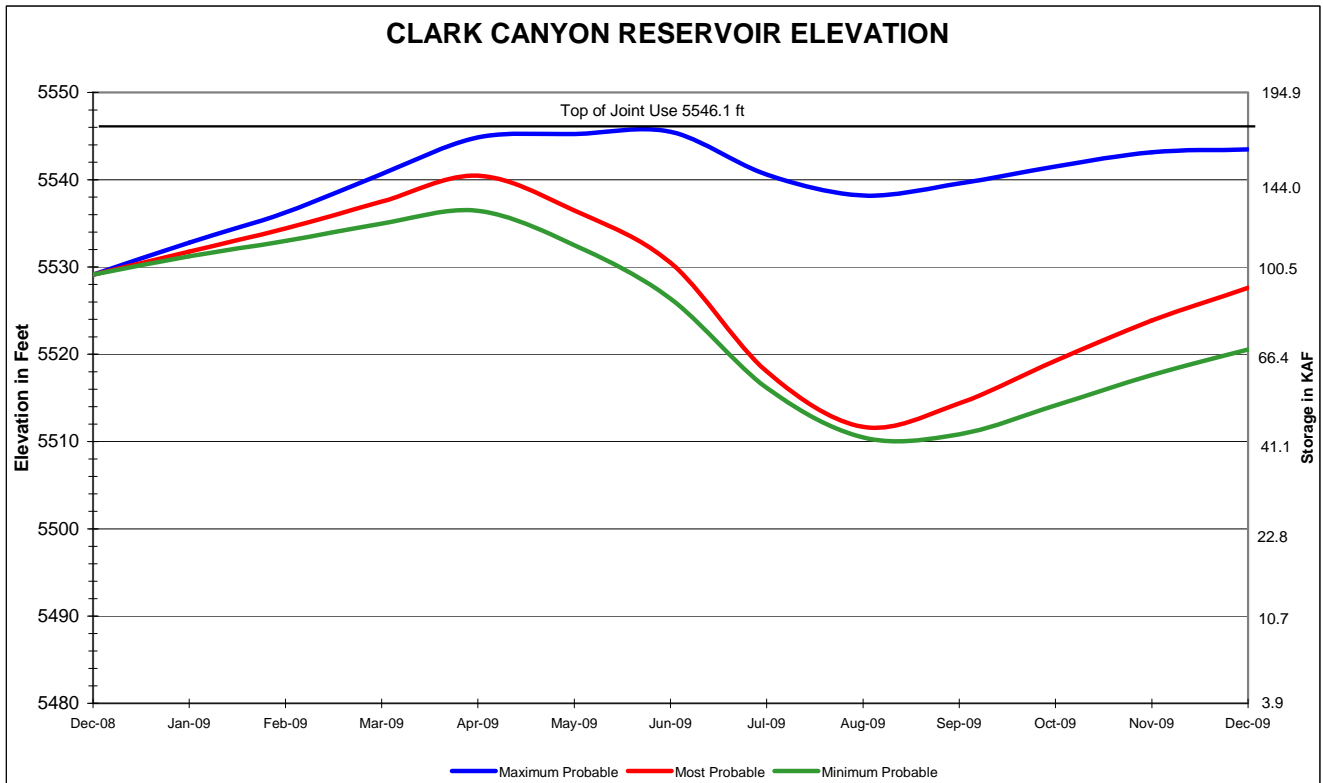
| Clark Canyon Reservoir |      | Initial Cont<br>Elev 5529.13 ft |         |         |         | 97.2 kaf<br>5529.13 ft |         |         |         | Maximum Cont<br>Elev 5569.57 ft |         |         |         | 310.1 kaf<br>5569.57 ft |  |  |  | Minimum Cont<br>Elev 5489.22 ft |  |  |  | 10.0 kaf<br>5489.22 ft |  |  |  | Total |
|------------------------|------|---------------------------------|---------|---------|---------|------------------------|---------|---------|---------|---------------------------------|---------|---------|---------|-------------------------|--|--|--|---------------------------------|--|--|--|------------------------|--|--|--|-------|
|                        | 2009 | Jan                             | Feb     | Mar     | Apr     | May                    | Jun     | Jul     | Aug     | Sep                             | Oct     | Nov     | Dec     |                         |  |  |  |                                 |  |  |  |                        |  |  |  |       |
| Monthly Inflow         | kaf  | 10.4                            | 9.0     | 10.7    | 8.6     | 6.2                    | 11.1    | 11.8    | 8.3     | 8.0                             | 9.4     | 10.8    | 10.1    |                         |  |  |  | 114.4                           |  |  |  |                        |  |  |  |       |
| Canyon Ditch Dmd       | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 1.8                    | 2.8     | 3.1     | 2.5     | 0.5                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 10.7                            |  |  |  |                        |  |  |  |       |
| Dillon Dmd             | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 0.6                    | 1.2     | 1.6     | 1.2     | 0.2                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 4.8                             |  |  |  |                        |  |  |  |       |
| West Side Canal Dmd    | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 2.9                    | 3.3     | 4.5     | 3.6     | 0.8                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 15.1                            |  |  |  |                        |  |  |  |       |
| COOP-Pt. Rocks Dmd     | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 0.9                    | 1.0     | 1.4     | 1.3     | 0.2                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 4.8                             |  |  |  |                        |  |  |  |       |
| Other Dmd              | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 5.6                    | 9.2     | 11.1    | 10.3    | 1.9                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 38.1                            |  |  |  |                        |  |  |  |       |
| CCWSCO Total Dmd       | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 11.8                   | 17.5    | 21.7    | 18.9    | 3.6                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 73.5                            |  |  |  |                        |  |  |  |       |
| Dmd. sat by rtn fl     | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 3.7                    | 5.1     | 7.2     | 10.7    | 0.7                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 27.4                            |  |  |  |                        |  |  |  |       |
| CCWSCO rel. req.       | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 8.1                    | 12.4    | 14.5    | 8.2     | 2.9                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 46.1                            |  |  |  |                        |  |  |  |       |
| CCWSCO Deliv           | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 8.1                    | 12.4    | 14.5    | 8.2     | 2.9                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 46.1                            |  |  |  |                        |  |  |  |       |
| CCWSCO Short           | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 2.7                    | 4.2     | 4.9     | 2.7     | 1.1                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 15.6                            |  |  |  |                        |  |  |  |       |
| Senior Users Dmd       | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 2.4                    | 6.7     | 6.0     | 8.9     | 4.4                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 28.4                            |  |  |  |                        |  |  |  |       |
| Dmd. sat by rtn fl     | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 0.7                    | 1.9     | 2.0     | 5.0     | 0.8                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 10.4                            |  |  |  |                        |  |  |  |       |
| Senior rel. req.       | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 1.7                    | 4.8     | 4.0     | 3.9     | 3.6                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 18.0                            |  |  |  |                        |  |  |  |       |
| Senior Users Deliv     | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 1.7                    | 4.8     | 4.0     | 3.9     | 3.6                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 18.0                            |  |  |  |                        |  |  |  |       |
| Senior Users Short     | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | -0.7                   | -2.1    | -1.7    | -1.7    | -1.5                            | 0.0     | 0.0     | 0.0     |                         |  |  |  | -7.7                            |  |  |  |                        |  |  |  |       |
| E.B. Dmd               | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 9.5                    | 12.0    | 17.1    | 6.8     | 0.9                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 46.3                            |  |  |  |                        |  |  |  |       |
| E.B. Div @ Bar.        | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 17.3                   | 21.8    | 31.1    | 12.4    | 1.6                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 84.2                            |  |  |  |                        |  |  |  |       |
| East Bench Short       | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | -2.6                   | -3.2    | -4.6    | -1.9    | -0.2                            | 0.0     | 0.0     | 0.0     |                         |  |  |  | -12.5                           |  |  |  |                        |  |  |  |       |
| Gordon Spring Gain     | cfs  | 20                              | 20      | 15      | 15      | 15                     | 15      | 15      | 15      | 20                              | 20      | 20      | 20      |                         |  |  |  |                                 |  |  |  |                        |  |  |  |       |
| Min Release at Dam     | cfs  | 35                              | 35      | 35      | 35      | 33                     | 33      | 33      | 33      | 33                              | 28      | 28      | 28      |                         |  |  |  |                                 |  |  |  |                        |  |  |  |       |
| Total Irr Sto Dmd      | kaf  | 0.0                             | 0.0     | 0.0     | 0.0     | 27.1                   | 39.0    | 49.6    | 24.5    | 8.1                             | 0.0     | 0.0     | 0.0     |                         |  |  |  | 148.3                           |  |  |  |                        |  |  |  |       |
| Total Dam Release      | cfs  | 36                              | 34      | 36      | 35      | 426                    | 640     | 792     | 384     | 116                             | 28      | 29      | 28      |                         |  |  |  |                                 |  |  |  |                        |  |  |  |       |
| Total Dam Release      | kaf  | 2.2                             | 1.9     | 2.2     | 2.1     | 26.2                   | 38.1    | 48.7    | 23.6    | 6.9                             | 1.7     | 1.7     | 1.7     |                         |  |  |  | 157.0                           |  |  |  |                        |  |  |  |       |
| River flow bl dam      | cfs  | 55                              | 54      | 50      | 50      | 441                    | 655     | 807     | 398     | 136                             | 47      | 49      | 47      |                         |  |  |  |                                 |  |  |  |                        |  |  |  |       |
| Excess Release         | cfs  | 0                               | 0       | 0       | 0       | 0                      | 0       | 0       | 0       | 0                               | 0       | 0       | 0       |                         |  |  |  |                                 |  |  |  |                        |  |  |  |       |
| Excess 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     |                         |  |  |  | 0.0                             |  |  |  |                        |  |  |  |       |
| End-Month Content      | kaf  | 105.4                           | 112.5   | 121.0   | 127.5   | 107.5                  | 80.5    | 43.6    | 28.3    | 29.4                            | 37.1    | 46.2    | 54.6    |                         |  |  |  |                                 |  |  |  |                        |  |  |  |       |
| End-Month Elevation    | ft   | 5531.23                         | 5532.98 | 5534.98 | 5536.45 | 5531.76                | 5524.45 | 5511.15 | 5503.39 | 5504.02                         | 5508.09 | 5512.29 | 5515.73 |                         |  |  |  |                                 |  |  |  |                        |  |  |  |       |
| Net Change Content     | kaf  | 8.2                             | 7.1     | 8.5     | 6.5     | -20.0                  | -27.0   | -36.9   | -15.3   | 1.1                             | 7.7     | 9.1     | 8.4     |                         |  |  |  | -42.6                           |  |  |  |                        |  |  |  |       |

CCRAOP V1.07 Run: 09-Jan-2009 14:20  
 Based on Maximum Probable Inflow Forecast; With Full Allotments

CLARK CANYON RESERVOIR MONTHLY OPERATIONS

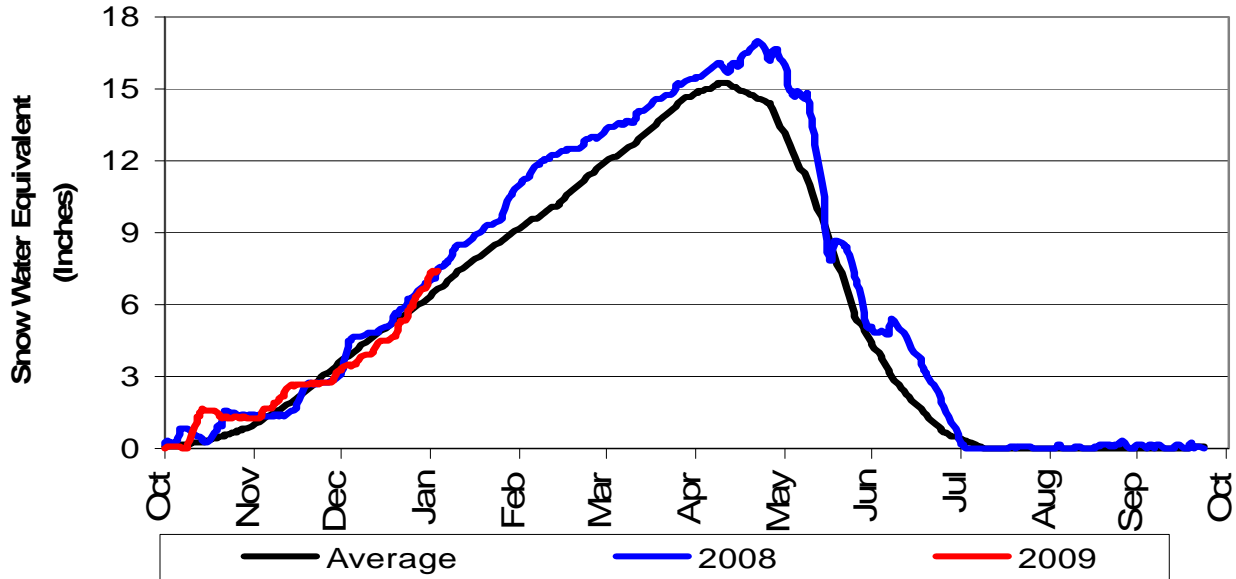
| Clark Canyon Reservoir |      | Initial Cont |         | 97.2 kaf   |         | Maximum Cont |         | 310.1 kaf  |         | Minimum Cont |         | 10.0 kaf   |         |       |
|------------------------|------|--------------|---------|------------|---------|--------------|---------|------------|---------|--------------|---------|------------|---------|-------|
|                        | 2009 | Jan          | Feb     | Mar        | Apr     | May          | Jun     | Jul        | Aug     | Sep          | Oct     | Nov        | Dec     | Total |
|                        |      |              | Elev    | 5529.13 ft |         |              | Elev    | 5569.57 ft |         |              | Elev    | 5489.22 ft |         |       |
| Monthly Inflow         | kaf  | 16.7         | 17.0    | 22.9       | 30.0    | 43.2         | 53.2    | 39.1       | 26.7    | 28.0         | 31.4    | 29.6       | 23.7    | 361.5 |
| Canyon Ditch Dmd       | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 2.4          | 3.7     | 4.1        | 3.3     | 0.7          | 0.0     | 0.0        | 0.0     | 14.2  |
| Dillon Dmd             | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 0.8          | 1.6     | 2.1        | 1.7     | 0.3          | 0.0     | 0.0        | 0.0     | 6.5   |
| West Side Canal Dmd    | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 3.8          | 4.4     | 6.0        | 4.8     | 1.0          | 0.0     | 0.0        | 0.0     | 20.0  |
| COOP-Pt. Rocks Dmd     | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 1.2          | 1.4     | 1.9        | 1.8     | 0.3          | 0.0     | 0.0        | 0.0     | 6.6   |
| Other Dmd              | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 7.6          | 12.2    | 14.7       | 13.7    | 2.5          | 0.0     | 0.0        | 0.0     | 50.7  |
| CCWSCO Total Dmd       | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 15.8         | 23.3    | 28.8       | 25.3    | 4.8          | 0.0     | 0.0        | 0.0     | 98.0  |
| Dmd. sat by rtn fl     | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 5.8          | 8.1     | 12.7       | 10.1    | 1.8          | 0.0     | 0.0        | 0.0     | 38.5  |
| CCWSCO rel. req.       | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 10.0         | 15.2    | 16.1       | 15.2    | 3.0          | 0.0     | 0.0        | 0.0     | 59.5  |
| CCWSCO Deliv           | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 10.0         | 15.2    | 16.1       | 15.2    | 3.0          | 0.0     | 0.0        | 0.0     | 59.5  |
| CCWSCO Short           | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 0.0          | 0.0     | 0.1        | 0.0     | 0.1          | 0.0     | 0.0        | 0.0     | 0.2   |
| Senior Users Dmd       | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 2.4          | 6.7     | 6.0        | 8.9     | 4.4          | 0.0     | 0.0        | 0.0     | 28.4  |
| Dmd. sat by rtn fl     | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 0.9          | 2.3     | 2.6        | 3.6     | 1.6          | 0.0     | 0.0        | 0.0     | 11.0  |
| Senior rel. req.       | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 1.5          | 4.4     | 3.4        | 5.3     | 2.8          | 0.0     | 0.0        | 0.0     | 17.4  |
| Senior Users Deliv     | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 1.5          | 4.4     | 3.4        | 5.3     | 2.8          | 0.0     | 0.0        | 0.0     | 17.4  |
| Senior Users Short     | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | -0.6         | -1.9    | -1.5       | -2.3    | -1.2         | 0.0     | 0.0        | 0.0     | -7.5  |
| E.B. Dmd               | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 14.7         | 18.6    | 25.1       | 10.5    | 1.4          | 0.0     | 0.0        | 0.0     | 70.3  |
| E.B. Div @ Bar.        | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 26.7         | 33.8    | 45.6       | 19.1    | 2.5          | 0.0     | 0.0        | 0.0     | 127.7 |
| East Bench Short       | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | -12.0        | -15.2   | -20.5      | -8.6    | -1.1         | 0.0     | 0.0        | 0.0     | -57.4 |
| Gordon Spring Gain     | cfs  | 25           | 25      | 25         | 25      | 25           | 25      | 25         | 25      | 25           | 25      | 25         | 25      |       |
| Min Release at Dam     | cfs  | 35           | 35      | 35         | 50      | 150          | 200     | 200        | 200     | 200          | 200     | 200        | 200     |       |
| Total Irr Sto Dmd      | kaf  | 0.0          | 0.0     | 0.0        | 0.0     | 38.2         | 53.4    | 65.1       | 39.6    | 8.3          | 0.0     | 0.0        | 0.0     | 204.6 |
| Total Dam Release      | cfs  | 36           | 38      | 37         | 155     | 670          | 872     | 1034       | 620     | 360          | 359     | 360        | 359     |       |
| Total Dam Release      | kaf  | 2.2          | 2.1     | 2.3        | 9.2     | 41.2         | 51.9    | 63.6       | 38.1    | 21.4         | 22.1    | 21.4       | 22.1    | 297.6 |
| River flow bl dam      | cfs  | 60           | 63      | 62         | 180     | 694          | 897     | 1059       | 644     | 385          | 384     | 385        | 384     |       |
| Excess Release         | cfs  | 0            | 4       | 2          | 104     | 49           | 0       | 0          | 0       | 160          | 159     | 160        | 159     |       |
| Excess Release         | kaf  | 0.0          | 0.2     | 0.1        | 6.2     | 3.0          | 0.0     | 0.0        | 0.0     | 9.5          | 9.8     | 9.5        | 9.8     | 48.1  |
| End-Month Content      | kaf  | 111.7        | 126.6   | 147.2      | 168.0   | 170.0        | 171.3   | 146.8      | 135.4   | 142.0        | 151.3   | 159.5      | 161.1   |       |
| End-Month Elevation    | ft   | 5532.78      | 5536.25 | 5540.67    | 5544.86 | 5545.25      | 5545.50 | 5540.59    | 5538.19 | 5539.59      | 5541.51 | 5543.17    | 5543.49 |       |
| Net Change Content     | kaf  | 14.5         | 14.9    | 20.6       | 20.8    | 2.0          | 1.3     | -24.5      | -11.4   | 6.6          | 9.3     | 8.2        | 1.6     | 63.9  |

# CLARK CANYON RESERVOIR



WATER YEAR 2009

# Clark Canyon Reservoir Snowpack



## April- July Runoffs from Comparable Years

1985 - 96.7 kaf  
 1999 - 148.7 kaf  
 2006 - 64 kaf  
 2008 - 52.9 kaf

Clark Canyon Reservoir

Legend: 1985 (Black), 1999 (Green), 2006 (Red), 2008 (Blue), 2009 (Yellow)

