

1971-1995 data corrections

In addition to extending the natural flows to 2003 we recomputed flows from 1971-1995. The differences with previously released natural flows date 9/7/04 result from:

Upper Basin differences:

- 1a. In reach 09072500 non-mainstem Willow Creek reservoir has been added.
- 1b. In reach 09072500 non-mainstem Williams Fork reservoir had bad data. The data were corrected.
2. In reach 09095500 the WQIP now removes 1 ac-ft of water a month. Previously this object had been off. (We may shut this off again in future updates)
- 3a. In reach 09127800 Crystal had the wrong pool elevation from January 1971 - February 1977 and showed 970 ac-ft which has been changed to zero. This has caused a change in storage when the reservoir begins operating in March 1977.
- 3b. In reach 09127800 non-mainstem SilverJack reservoir has been added.
- 4a. In reach 09152500 non-mainstem Paonia reservoir data has changed with new data pull from HDB.
- 4b. In reach 09152500 non-mainstem Fruitgrowers reservoir has been added.
5. In reach 09180000 the WQIP now removes 1 ac-ft of water a month.
6. In reach 09180500 non-mainstem Vega reservoir data has changed with new data pull from HDB.
7. In reach 09234500 non-mainstem Meeks Cabin reservoir has been added.
8. In reach 09302000 non-mainstem Moon Lake reservoir has been added.
- 9a. In reach 09315000 the WQIP now removes 1 ac-ft of water a month.
- 9b. In reach 09315000 during the time steps 7/81, 8/85, and 7/94 the aggregate diversion object AgUsesBtwnGreendaleAndOuray was shorted incorrectly in previous models.
- 9c. In reach 09315000 we added data for non-mainstem reservoir Stienaker. Previously this was excluded.
- 10a. In reach 09328500 non-mainstem Joes Valley reservoir has changed with new data from HDB.
- 10b. In reach 09328500 the WQIP now removes 1 ac-ft of water a month.
11. In reach 09355500 mainstem Navajo reservoirs pool elevation precision changed. There is only slight value change.
12. In reach 09379500 non-mainstem Jackson Gulch reservoir has changed with new data from HDB.
13. Various non-mainstem reservoirs also had missing data filled in which changed certain months.

There are also some consumptive uses and losses changes;

14. We found we had been double accounting New Mexico's Beeline reservoir in M&I 1986-1995. This was removed from the previous value.
15. Beeline was added to the 1985 minor reservoir number, previously it was not accounted.

16. These changes had cascading effects in some distribution from 1971-1985 and there are changes in New Mexico M&I distributions but not in the New Mexico total M&I from 1971-1984.
17. Additional changes have only affected monthly distributions and annual totals have not changed on an Upper Basin basis.

Lower Basin differences:

18. The values from 1906-1970 were replaced by the data set available in the Reclamation report title "CRSS Colorado River Simulation System Hydrologic Flow and Salt Data Base for the Lower Colorado Region, Lees Ferry to Imperial Dam" dated March 1992.
19. Additional changes from 1971-1995 occurred and their source shall be documented in the near future