

RECLAMATION

Managing Water in the West

Colorado-Big Thompson Project Green Mountain Reservoir Operations Water Year 2010

Presented by

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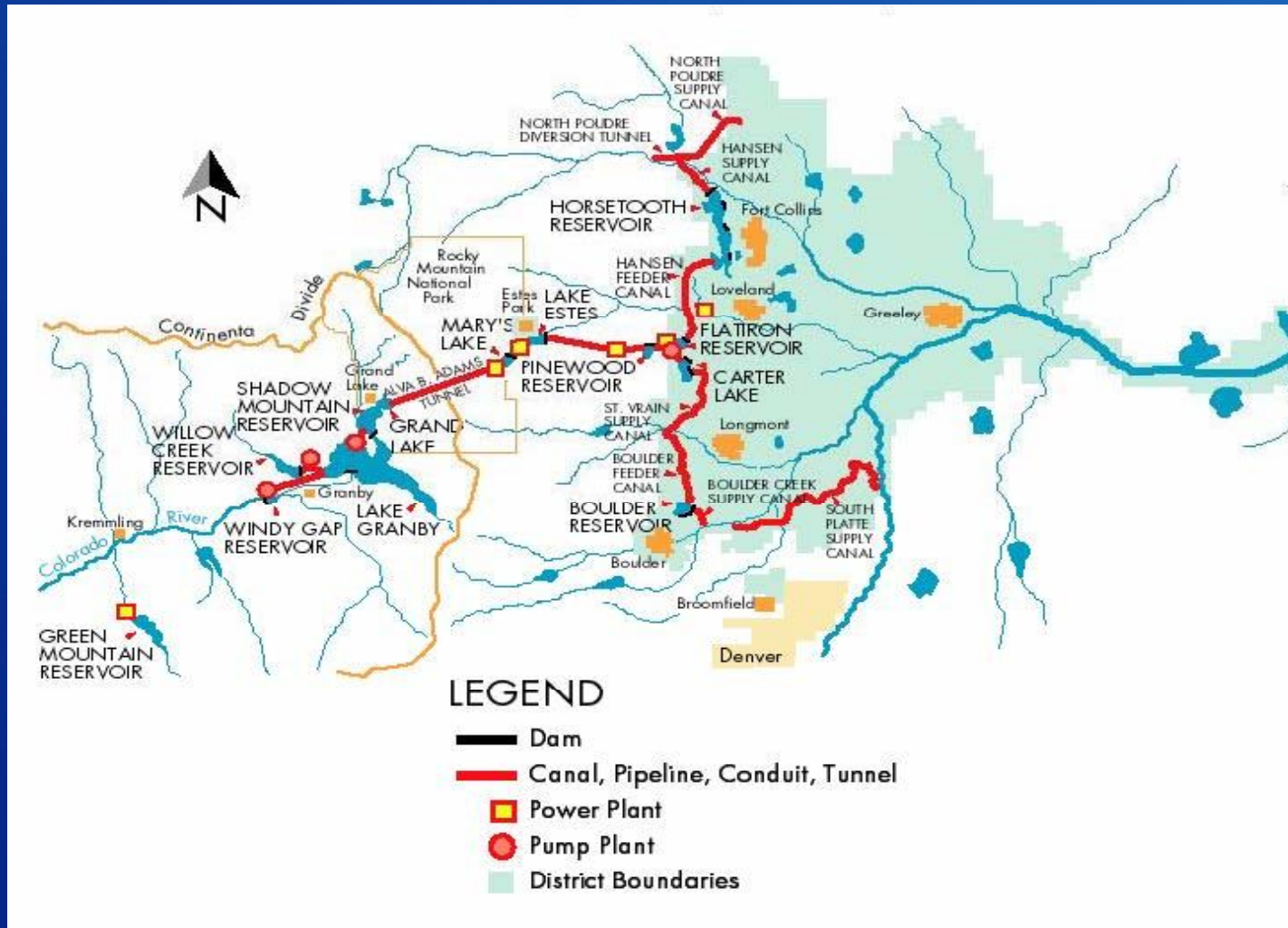
Water Resources Engineer

Eastern Colorado Area Office



U.S. Department of the Interior
Bureau of Reclamation

Colorado-Big Thompson Project



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Green Mountain Reservoir

- Used to replace for out-of-priority depletions by the C-BT Project
- Provide storage for West Slope beneficiaries
- Some of the unused water is available for endangered fish

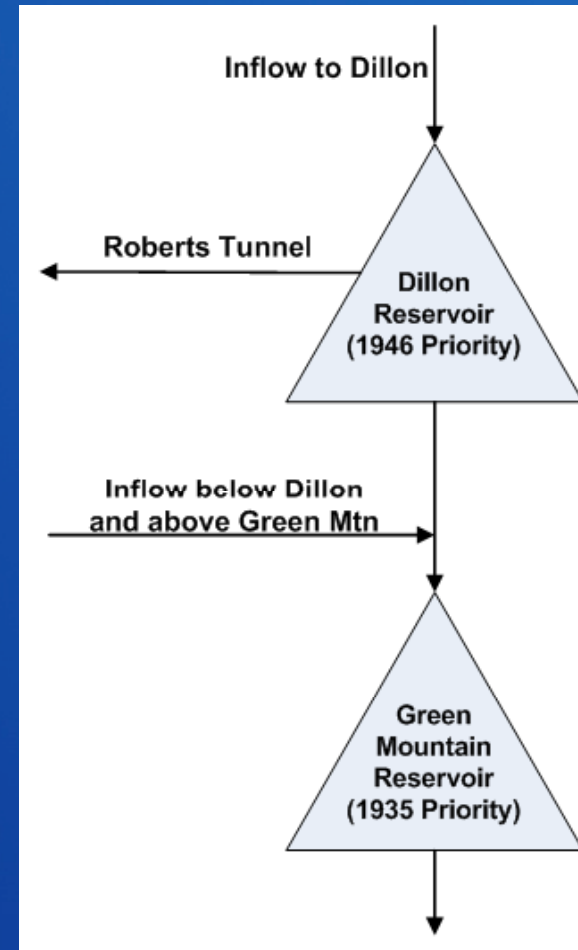


*Green Mountain Reservoir
in late summer 2003*

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Substitution Year

- Allow Denver Water to divert/store out-of-priority
- Try to fill Green Mountain with the flow that originates downstream from Dillon
- If Green Mountain doesn't fill, it becomes a Substitution Year
- Substitution is from William's Fork or Wolford Reservoirs



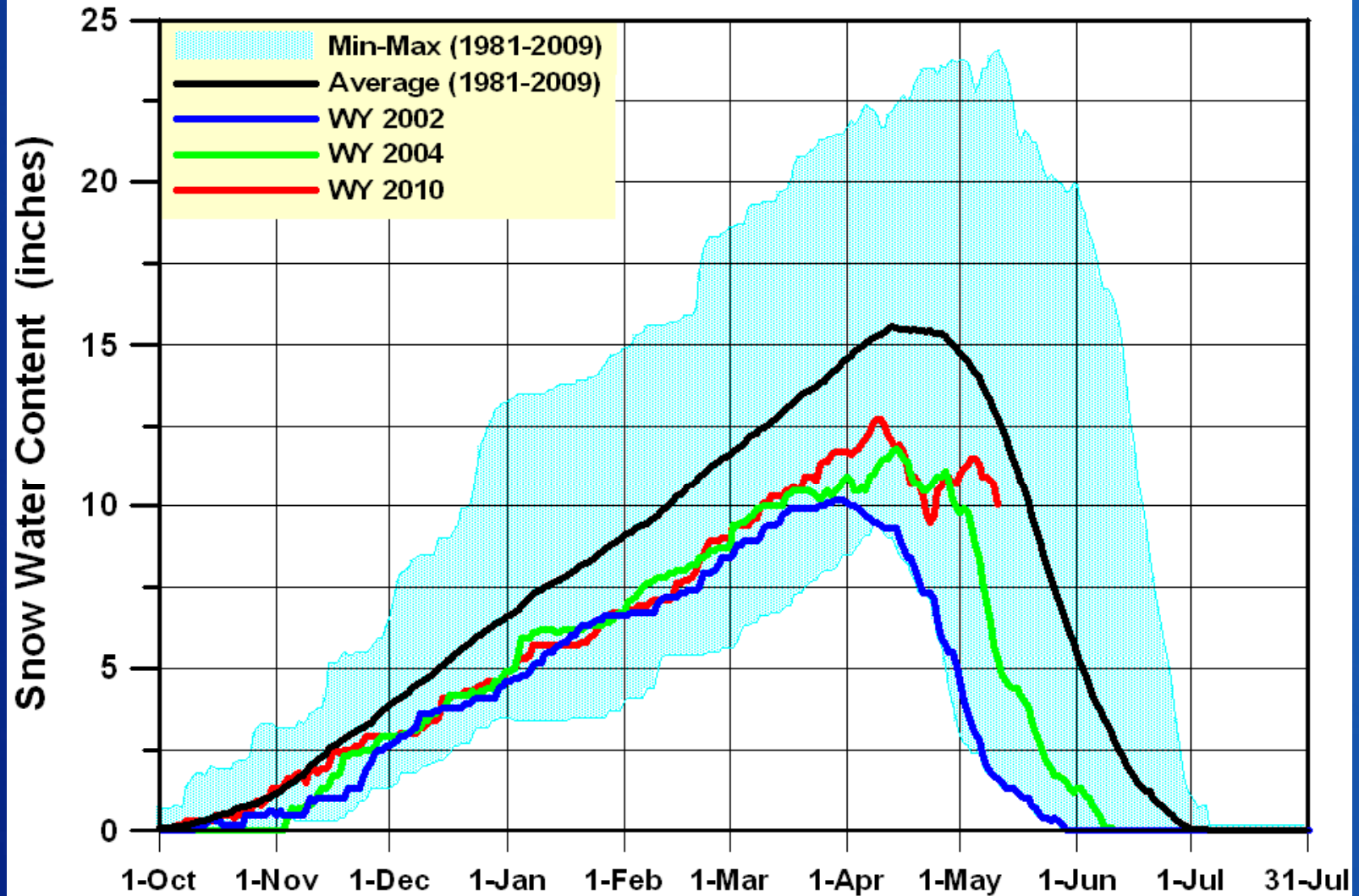
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Coordinated Reservoir Operations (CROS)

- Augment the peak flow in the 15-Mile Reach of the Colorado River to improve habitat conditions for 4 endangered fish species
- Reservoir owner/operators voluntarily bypass inflow during the peak (late May/early June)
- Two conditions necessary:
 - Operators must be fairly certain their reservoir will fill
 - Must be able to achieve a peak in the range of 12,900 cfs to 23,000 cfs (current forecast is 12,000 cfs)

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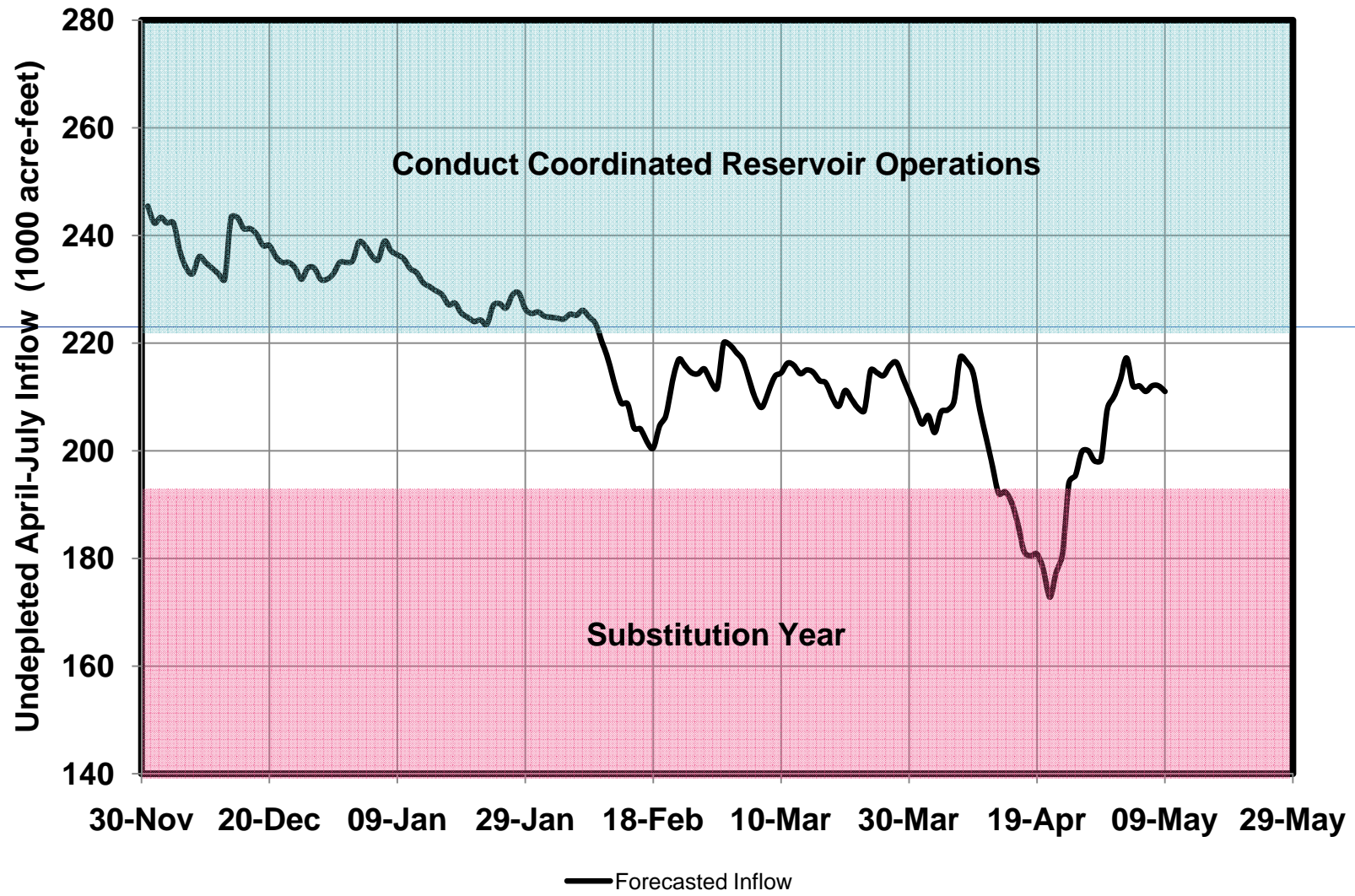
GREEN MOUNTAIN RESERVOIR WATERSHED SNOWPACK



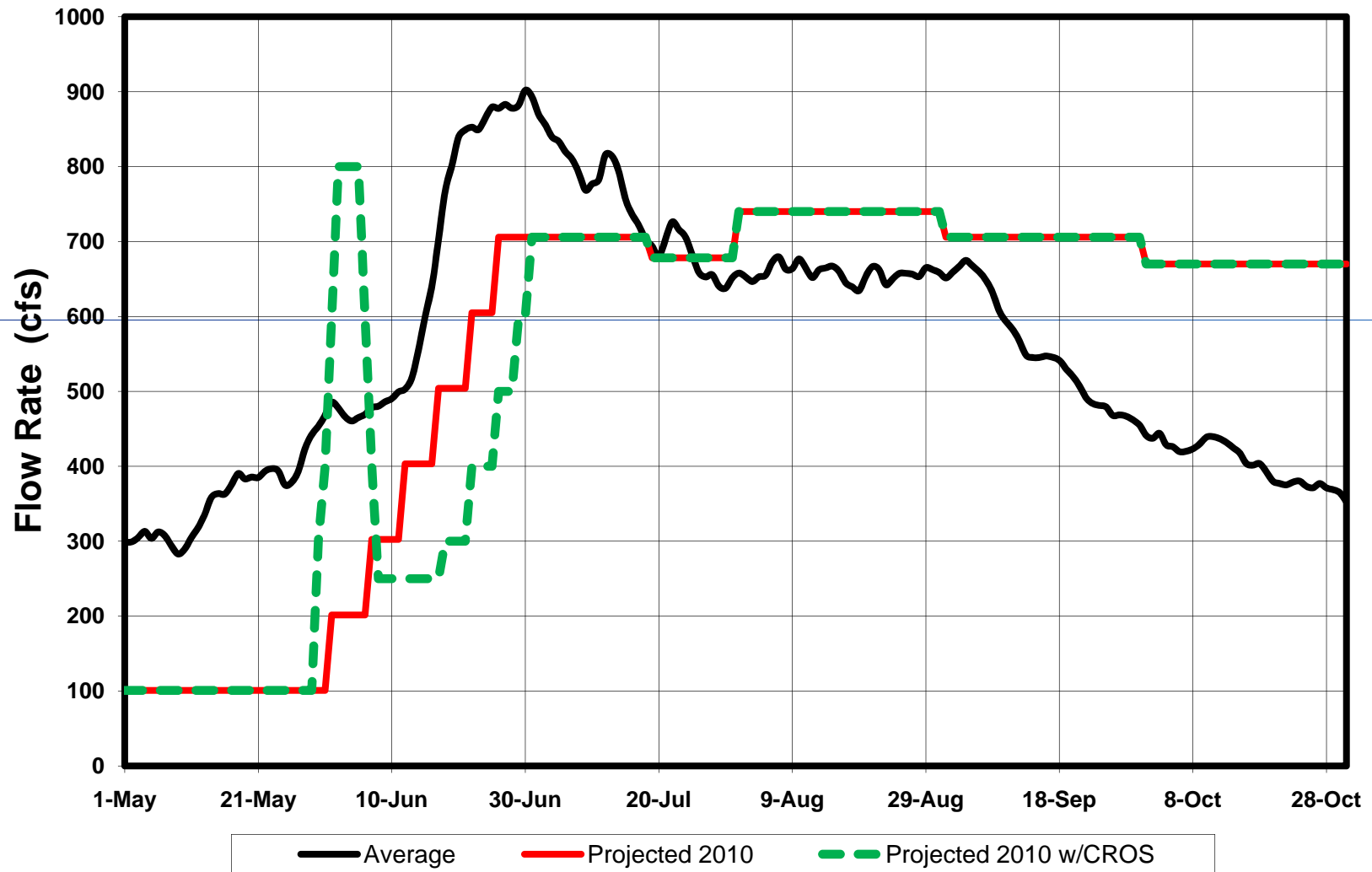
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GREEN MOUNTAIN RESERVOIR

Forecasted April-July Inflow - Water Year 2010

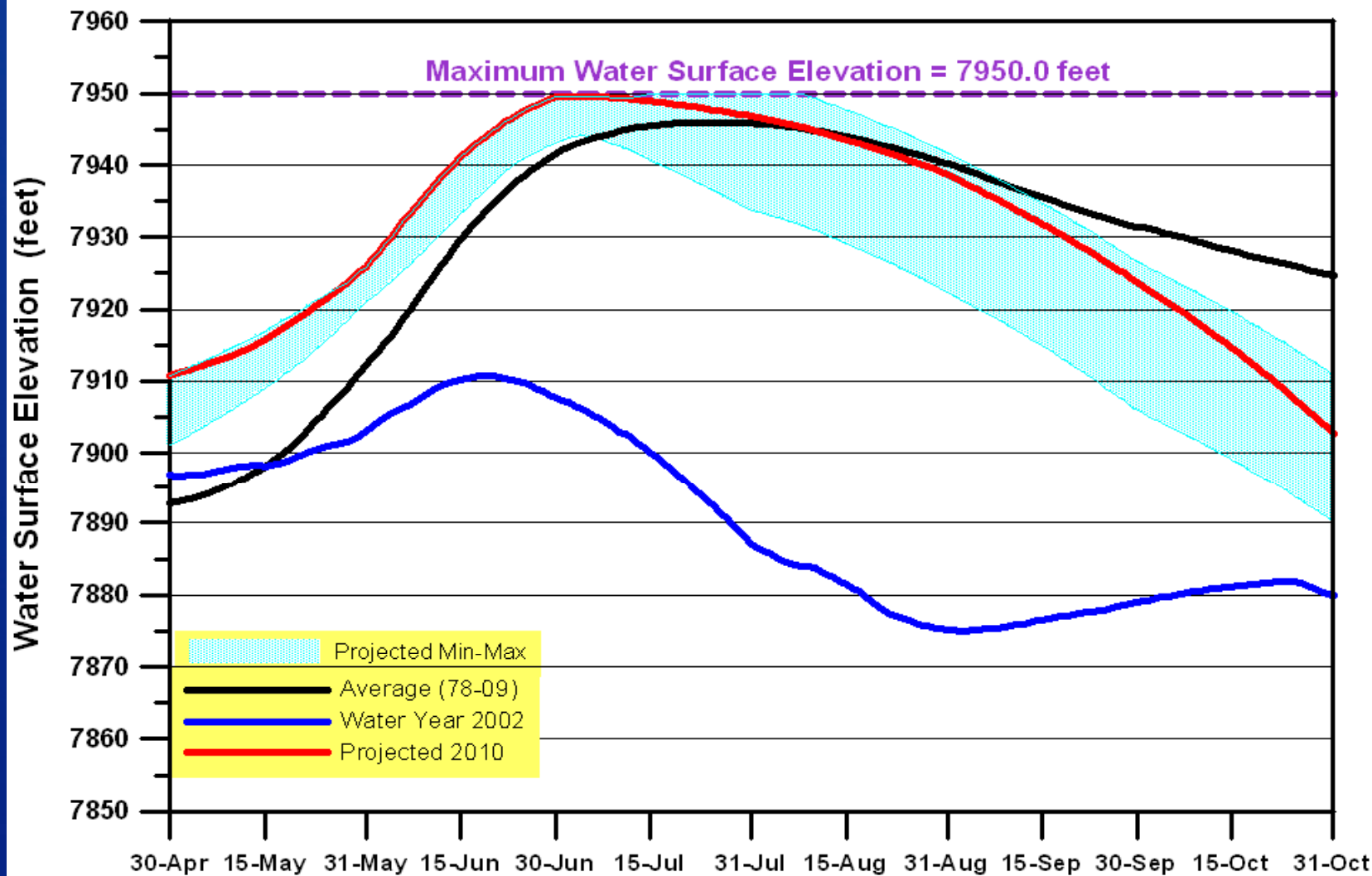


Green Mountain Reservoir Releases



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GREEN MOUNTAIN RESERVOIR WATER SURFACE ELEVATION



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Thank you.

Questions?



*Green Mountain Dam and Powerplant on
the Lower Blue*

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