

RECLAMATION

Managing Water in the West

Grand Coulee and Lake Roosevelt Operations

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U.S. Department of the Interior
Bureau of Reclamation

Grand Coulee Purposes/Obligations

- Flood Risk Management
- Power Generation
- Environmental Stewardship
- Irrigation, M&I
- Recreation
- Navigation

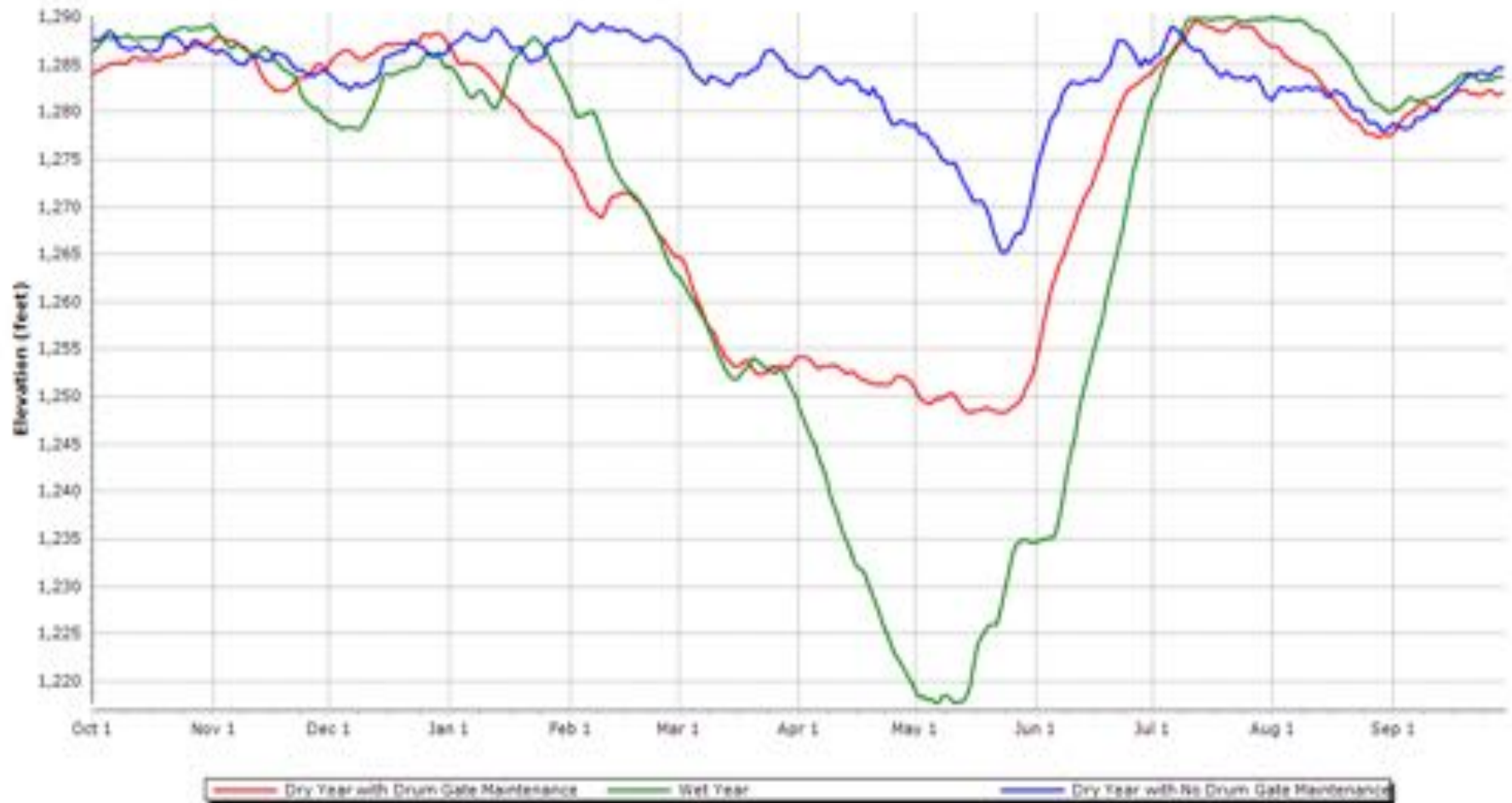


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Project Operations

- **Review General Operations by season at Grand Coulee Dam.**
- **Not an exhaustive list, this will only cover the general requirements.**

Lake Roosevelt Elevations



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Grand Coulee, Fall Operations August through September

Lake Roosevelt Elevations - August through September



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Grand Coulee, Fall Operations October through December

Lake Roosevelt Elevations - October through December



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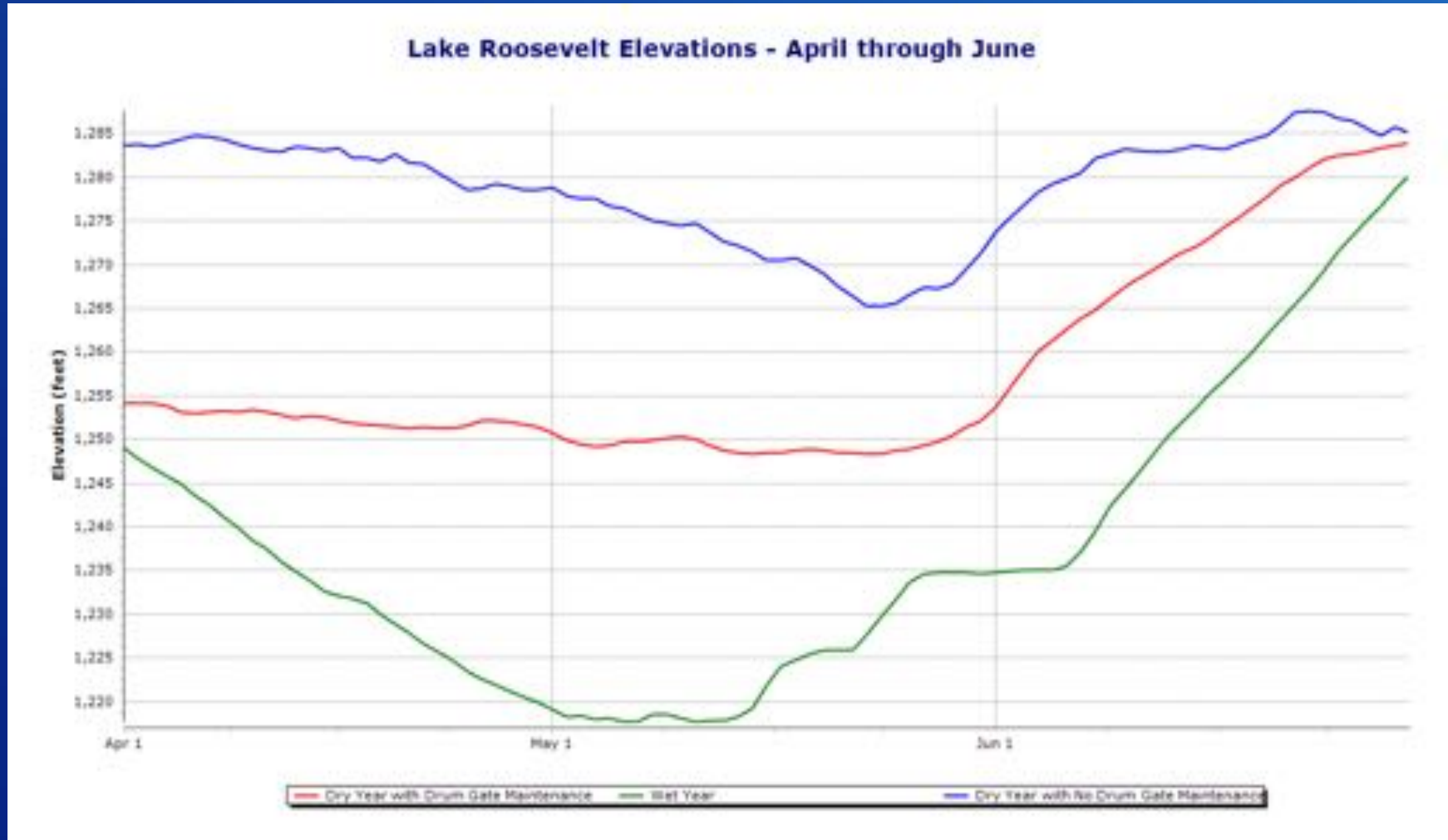
Grand Coulee, Winter Operations January through March

Lake Roosevelt Elevations - January through March



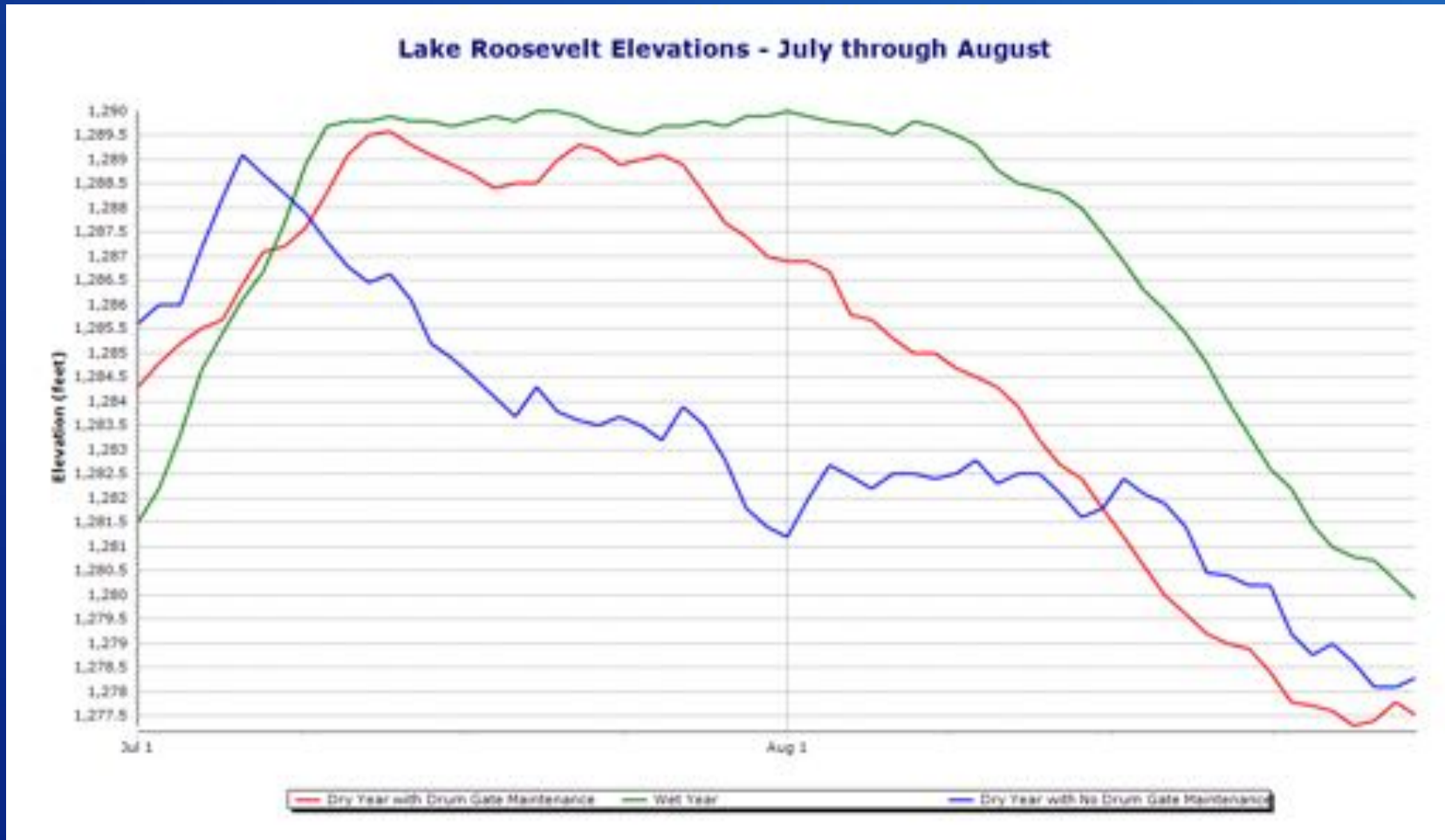
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Grand Coulee, Spring Operations April through June



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Grand Coulee, Summer Operations July through August



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Grand Coulee, General Operation Considerations Year Round

- **Grand Coulee discharges can fluctuate significantly to meet regional power needs.**
- **Drawdown of Lake Roosevelt limited to 1.5 feet per rolling 24 hours. This limitation may be exceeded with special permission and additional monitoring in certain elevation bands on a case-by-case basis.**

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Future Considerations

- **LRISRP – When fully implemented will draft an additional foot from Lake Roosevelt in most years; in drought years up to 1.8 additional feet. Will need to refill this additional draft in September.**
- **Odessa Subarea– an additional 6 feet of draft by end of August from Banks Lake to supply irrigation, refill from Lake Roosevelt restricted to October to avoid impacts to Columbia River flows.**

Other Future Considerations

There will be impact from these programs in future but don't know the full impact at this time.

- **Future FCRPS Biological Opinions.**
- **Projected impacts to hydrologic regime from a changing climate.**