Lake Powell Inflows and Releases

David E. Rosenberg

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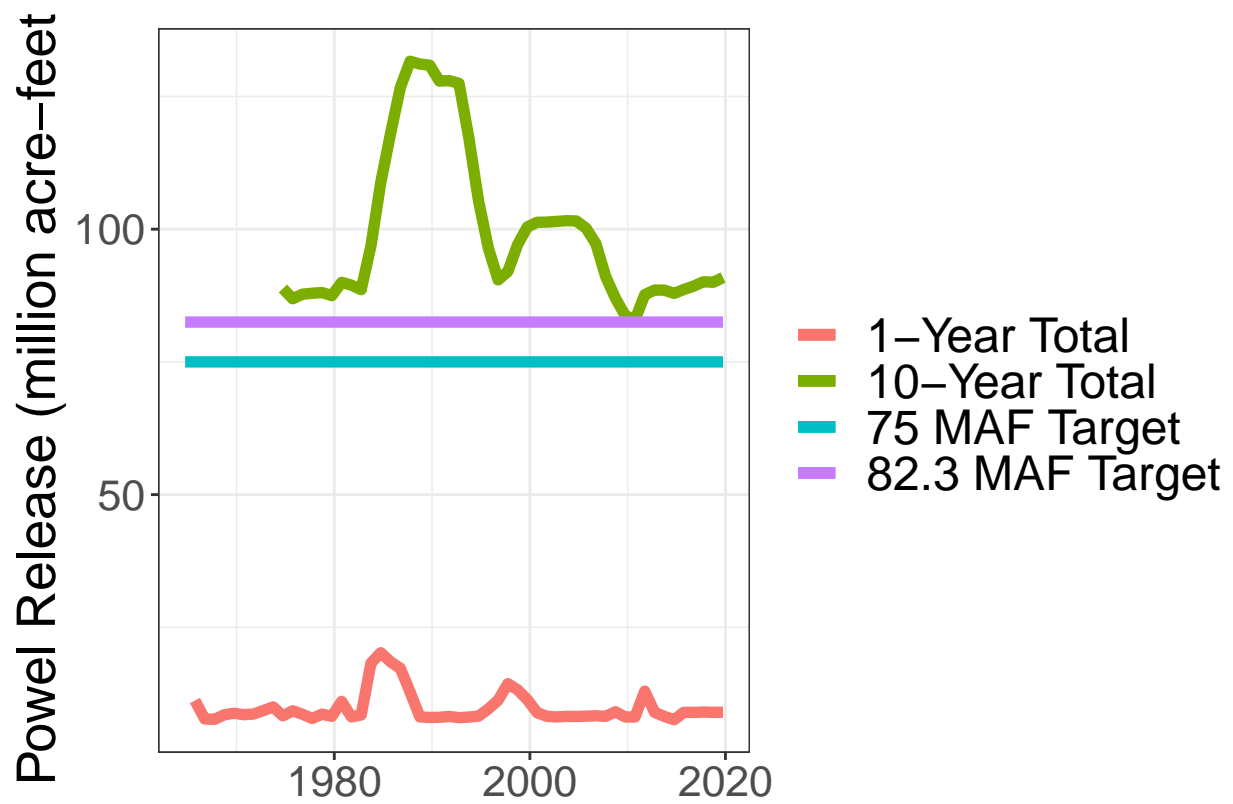
Overview

This is an R Markdown document. This document reads monthly USBR data on Lake Powell Inflows and Releases (https://www.usbr.gov/rsvrWater/HistoricalApp.htm). The code aggregates data to yearly (water year starting Oct 1) and decadal values and then plots 10-year releases incomparison to Compact Article 3d 10-year requirements, inflows, and releaes. The document alsow shows histograms of Powell inflows and realeases.
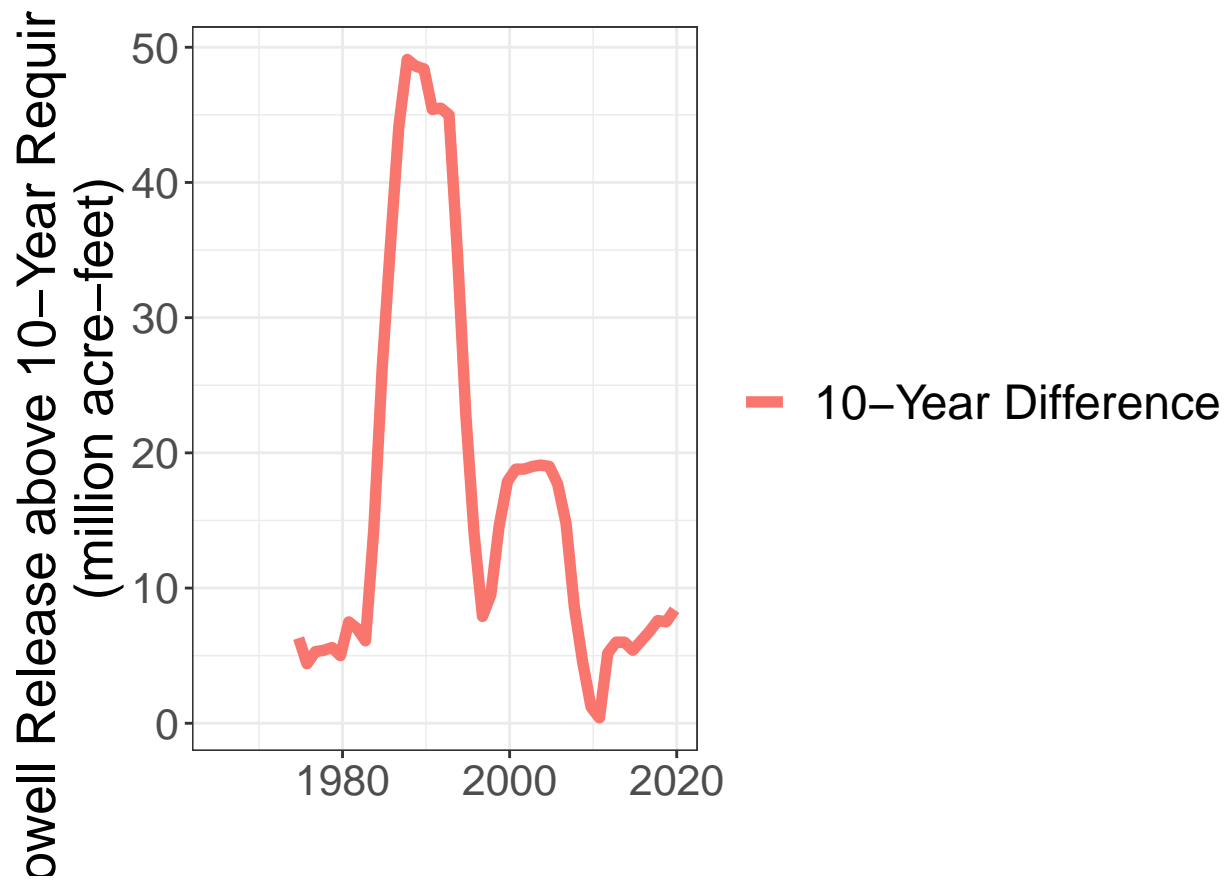
Requested Citation

David E. Rosenberg (2021), "Lake Powell Inflows and Releases." Utah State University. Logan, Utah. https://github.com/dzeke/ColoradoRiverFutures/tree/master/Powell10year.
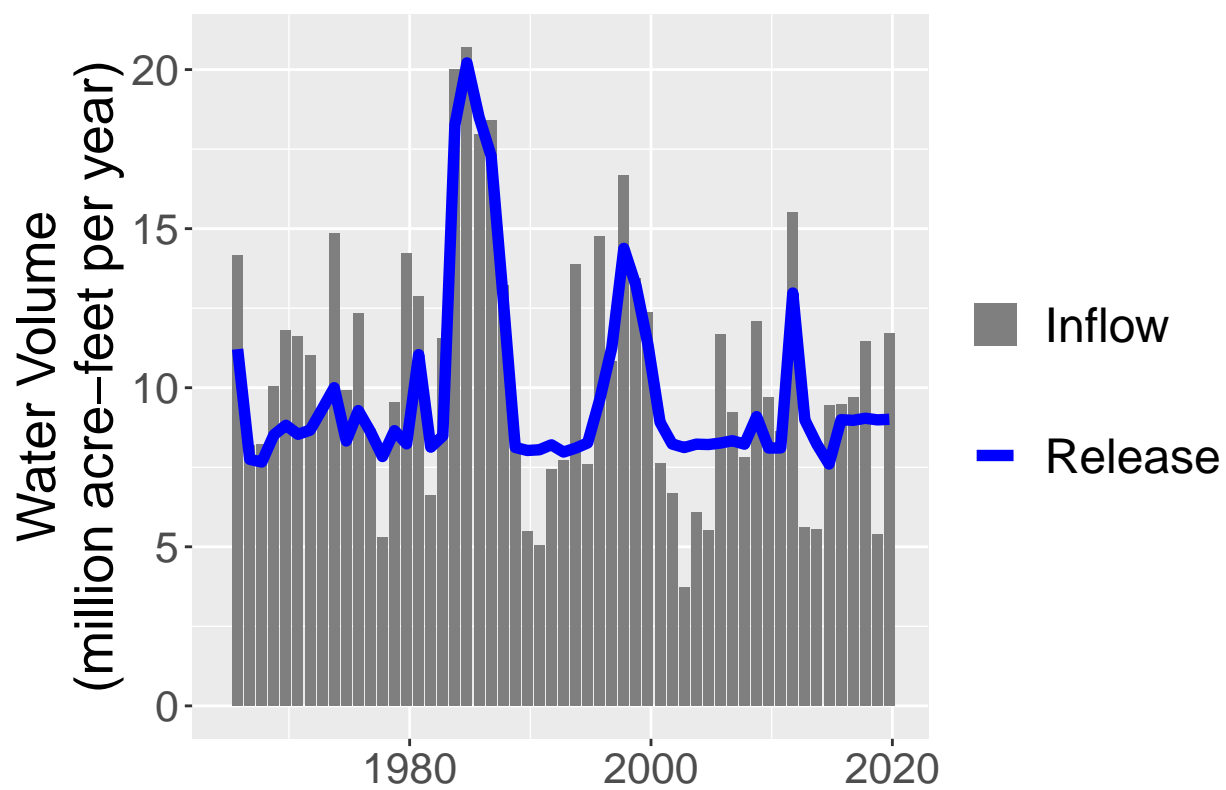
10-Year Powell Release in relation to Compact Article IIId Requirements
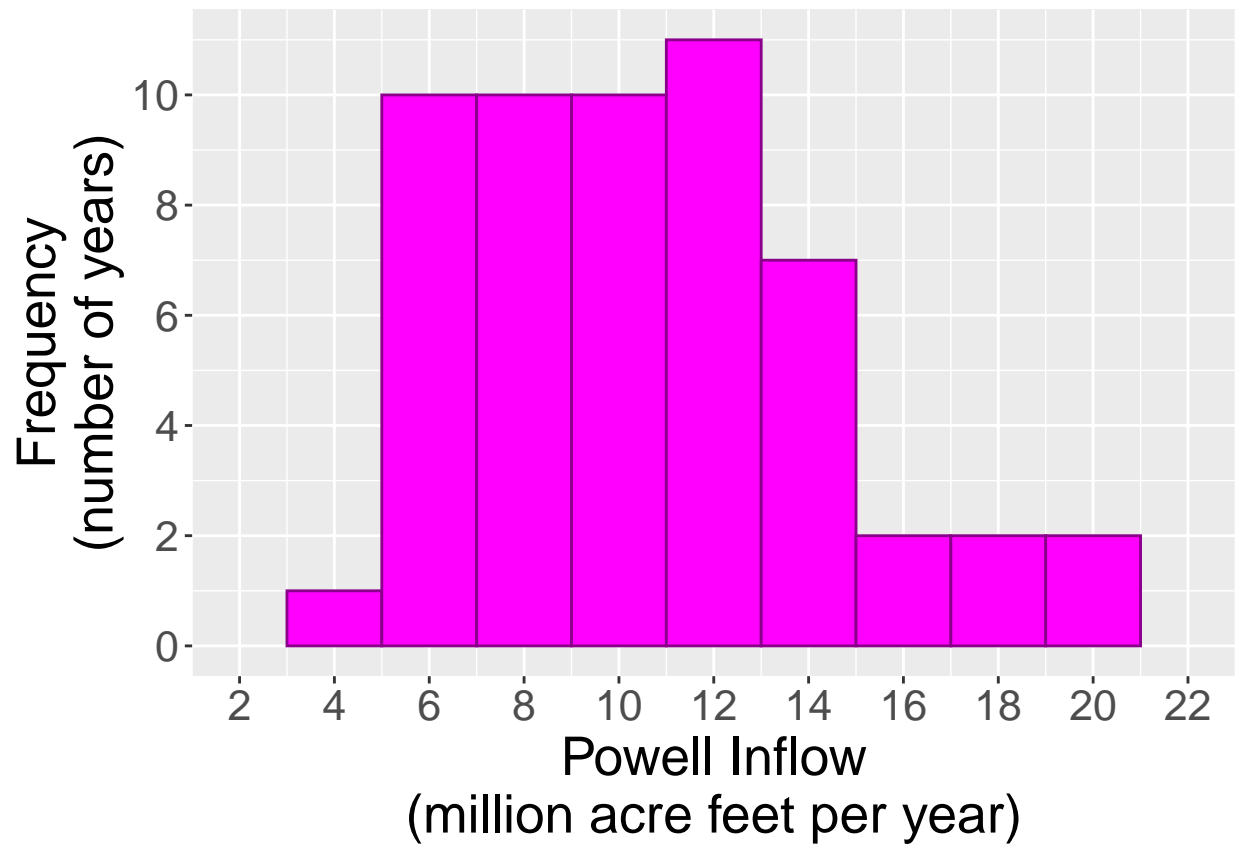
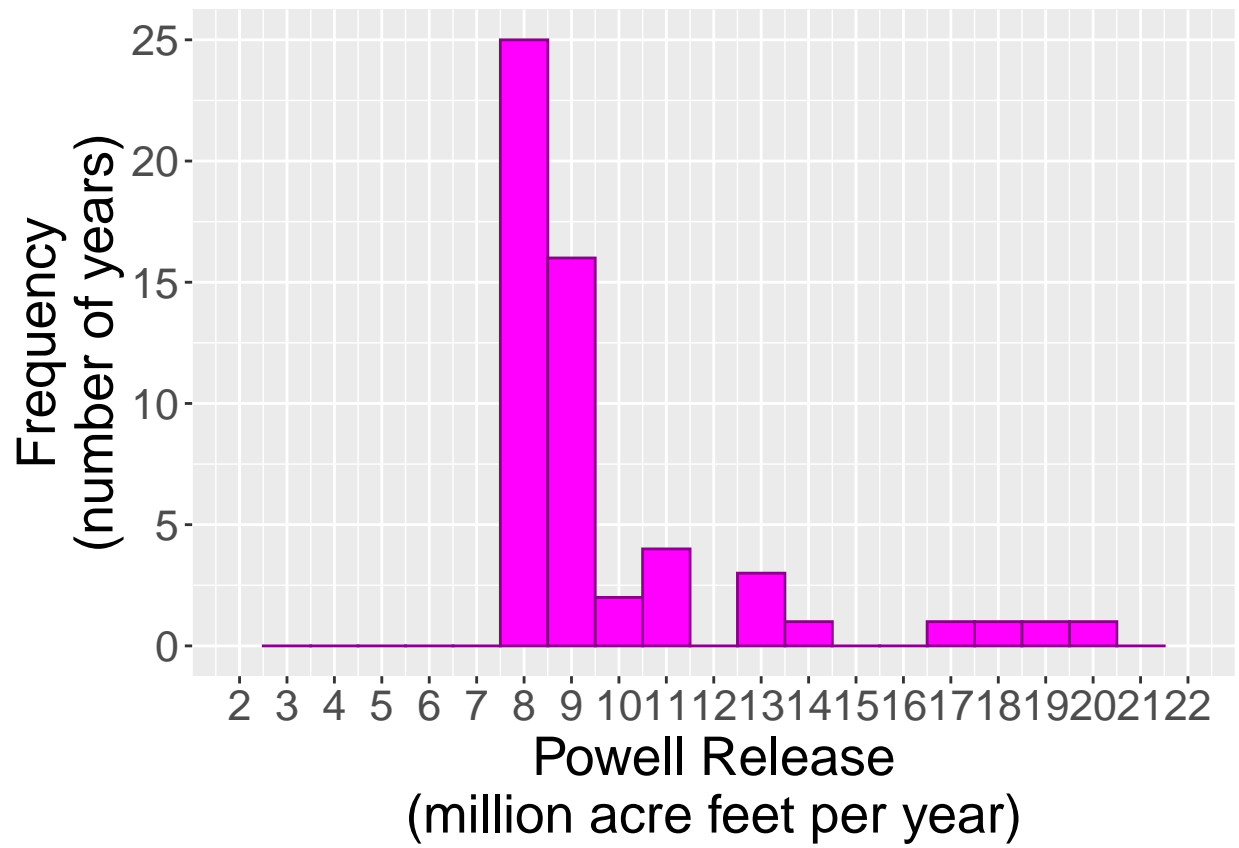**10-Year Difference between Release and 82.3 MAF Target**

Powell Annual Regulated Inflow and Release

Histogram of Powell Regulated Inflows

Histogram of Powell Releases


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## [1] "Number of Years of Powell releases = 56"
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Powell Evaporation