

Lake Powell Inflows and Releases

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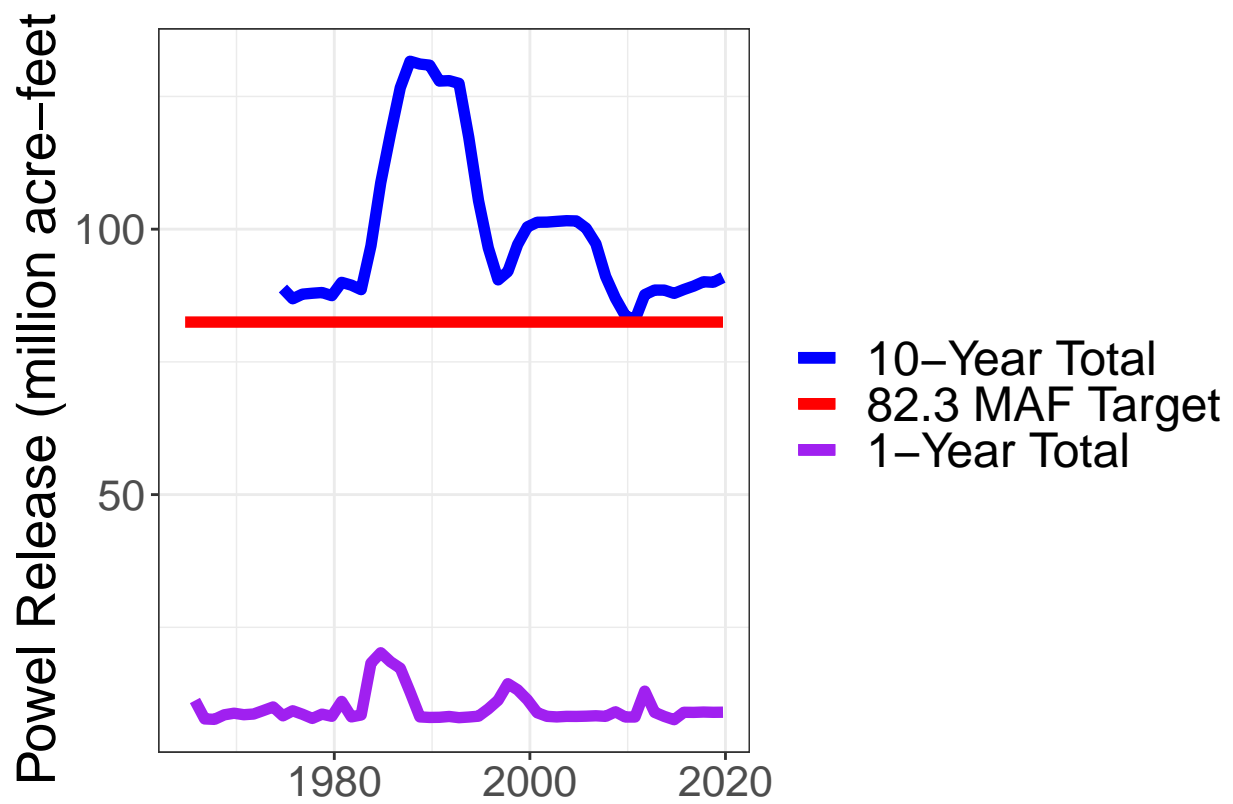
Overview

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 in comparison to Compact Article 3d 10-year requirements, inflows, and releases. The document also shows histograms of Powell inflows and releases.

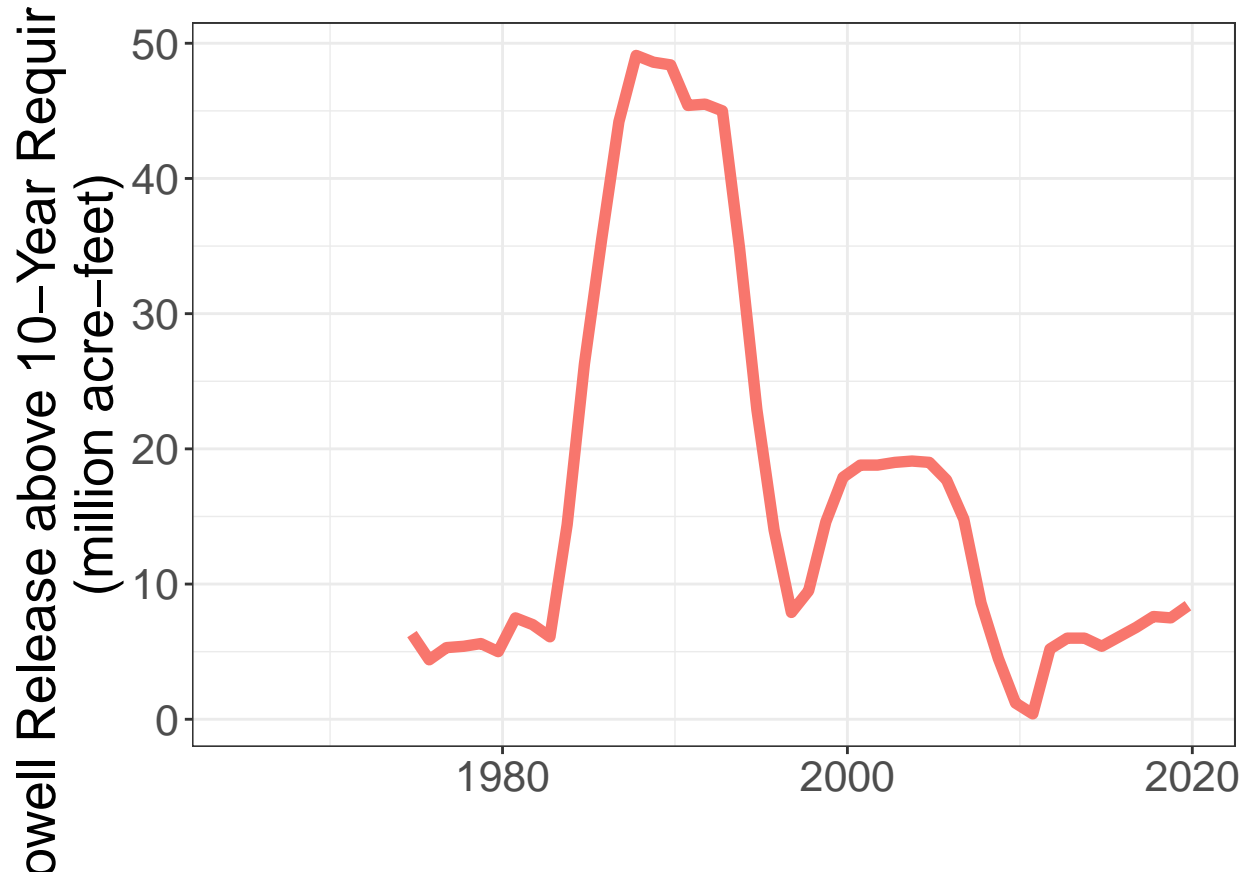
Requested Citation

David E. Rosenberg (2021), “Lake Powell Inflows and Releases.” Utah State University. Logan, Utah. <https://github.com/dzeke/ColoradoRiverFutures/tree/master/Powell10year>.

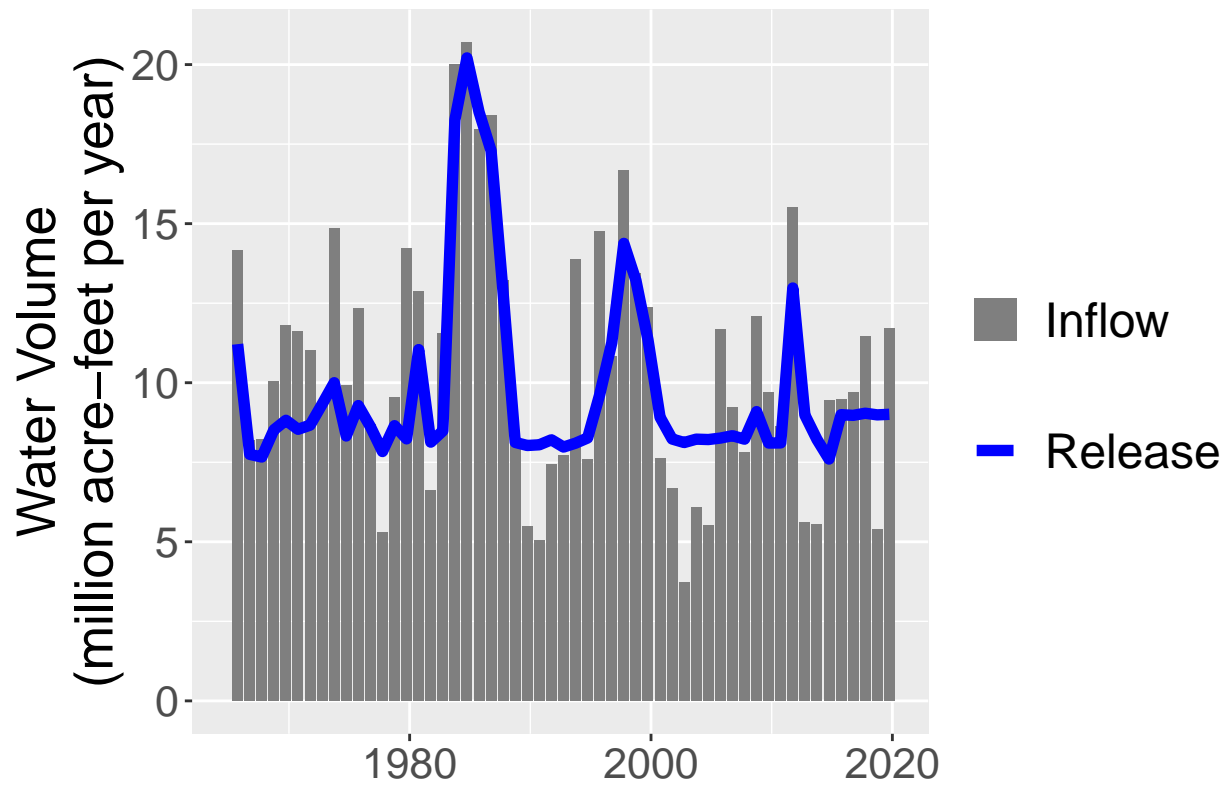
10-Year Powell Release in relation to Compact Article IIIId Requirements



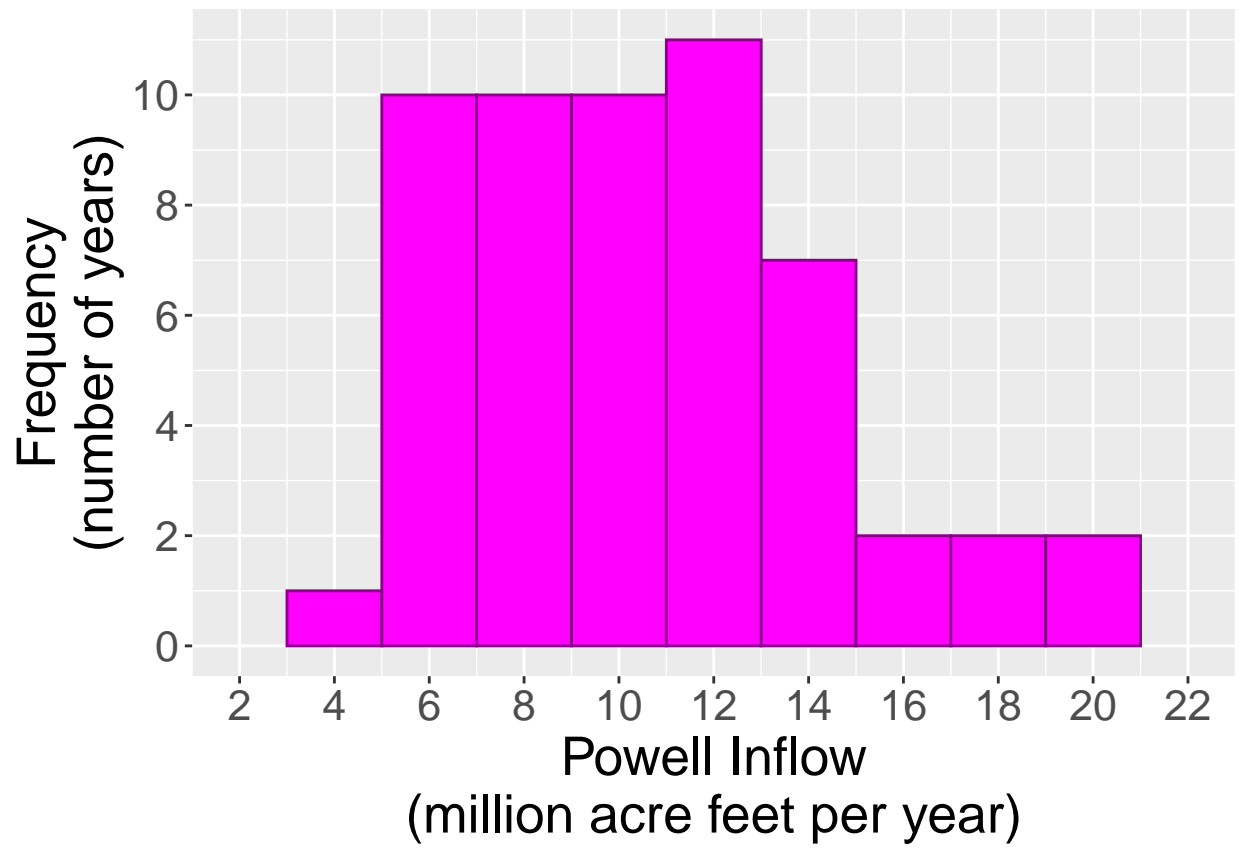
10-Year Difference between Release and 82.3 MAF Target



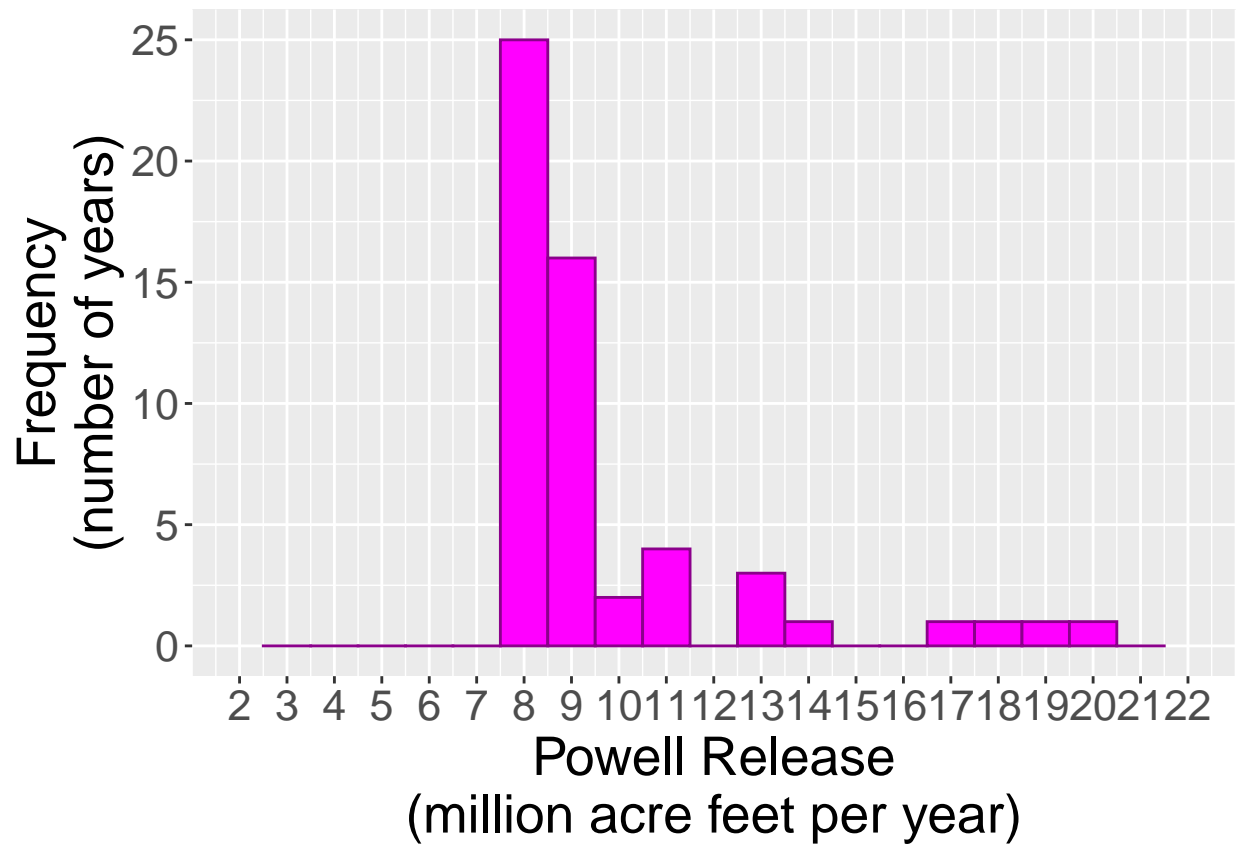
Powell Annual Regulated Inflow and Release



Histogram of Powell Regulated Inflows

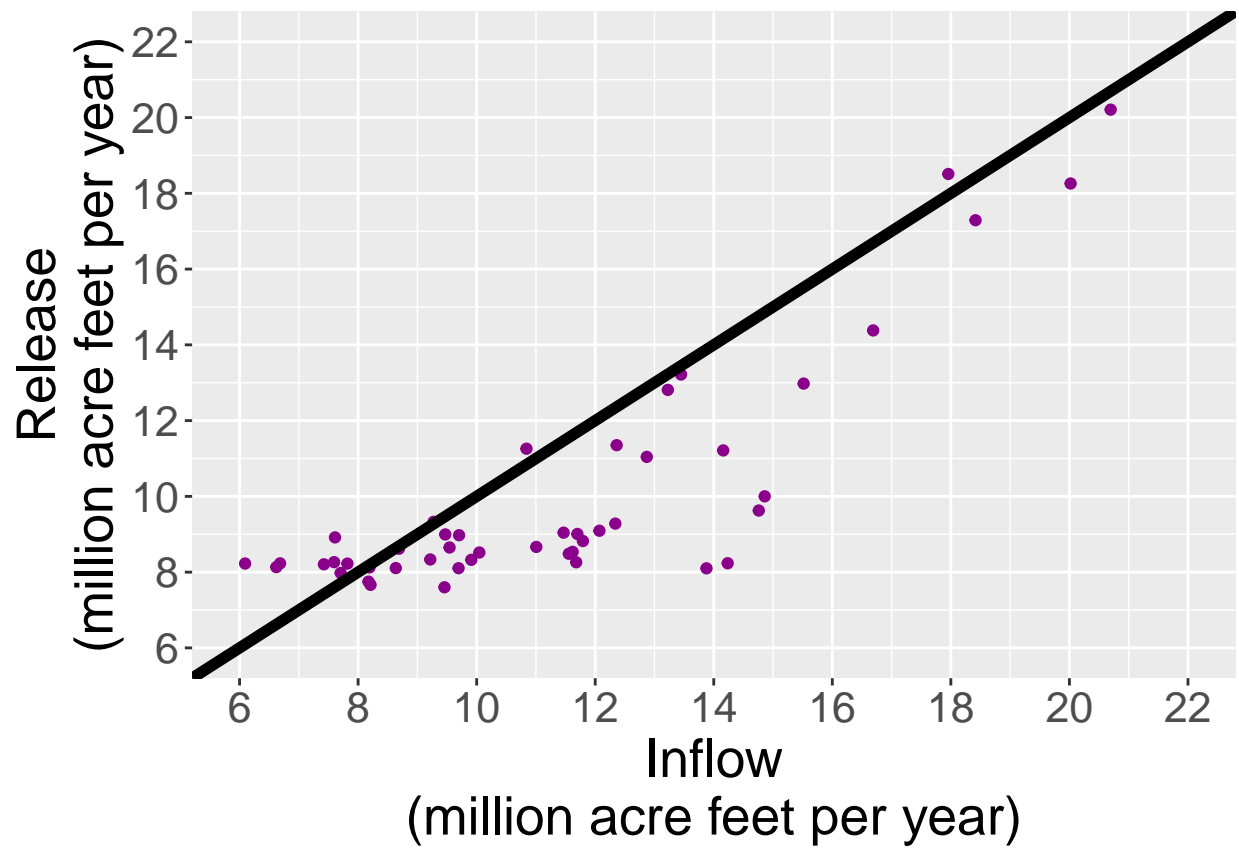


Histogram of Powell Releases



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## [1] "Number of Years of Powell releases = 56"
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Compare Powell Releases and Inflows



Powell Evaporation

