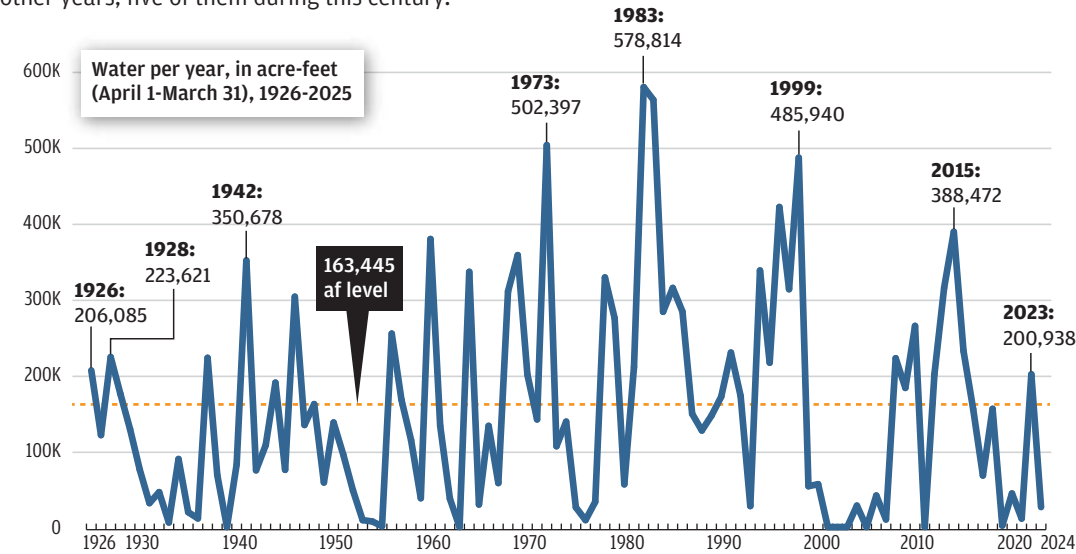


3 columns on the 5-column
grid by 4.4 inches tall

How full might a Perkins County Canal be?

A Telegraph analysis examines how much water might have flowed into a completed Perkins County Canal over the past 99 years had it been finished when the South Platte River Compact took effect in 1926. Given the conditions described below, two projected storage reservoirs in Keith County would have received enough water to fill them during 39 April 1-March 31 water years – but no water at all in seven other years, five of them during this century.



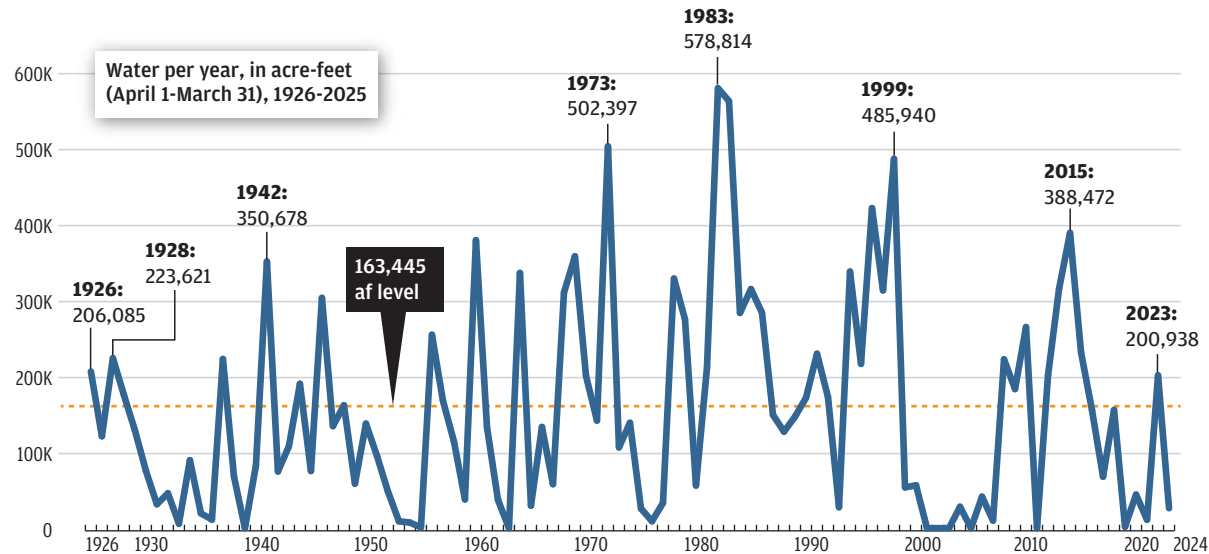
Assumptions:
Irrigation season (April 1-Oct. 15): Canal receives water only when daily flow exceeds 1,120 cfs, up to canal's 1,000-cfs capacity.
Nonirrigation season (Oct. 16-March 31): First 35,000 acre-feet of seasonal flow reserved to Colorado under compact; canal receives river flows after that through March 31, up to its 1,000-cfs capacity.

Sources: Telegraph analysis; Julesburg flow data, U.S. Geological Survey (1926-2018), Colorado Division of Water Resources (2018-present)
Lee Enterprises graphic

4 columns on the 6-column
grid by 4.4inches tall

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