

# GMA 8 Model Run Results

North Texas GCD Board Meeting

February 10, 2026



# Current Model Runs for this Cycle

Run 4.1 – Projected Production

Run 4.2 – Base line run of the current estimate annual production from 2024.

Run 4.3 – Modification of Run 4.1

Run 4.5 – Uses production from 4.3 but flat lined production after 2040.

Run 4.6 – Model run of the District desired production from the pervious four runs.



# Future Model Runs

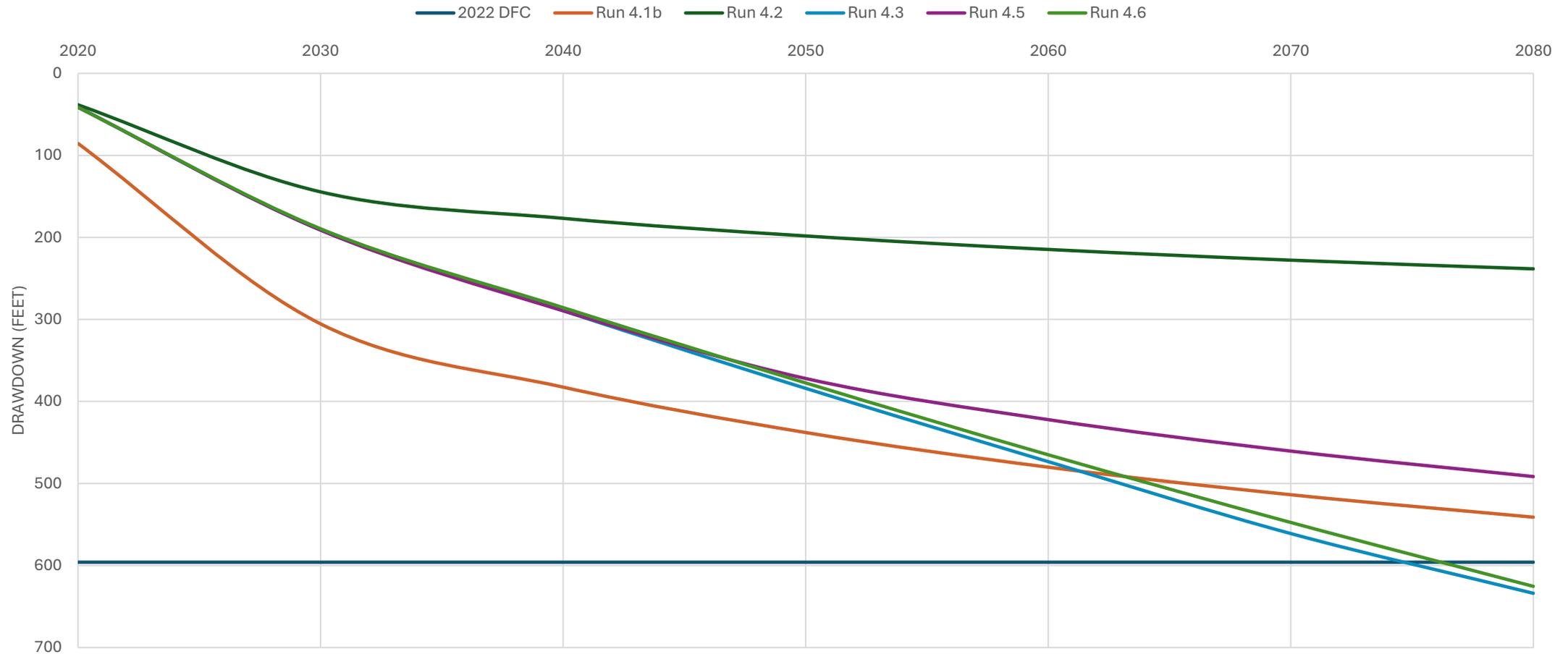
Run 4.7 – Modify the production of Williamson County in Run 4.6

Run 4.8 – Final DFC Run

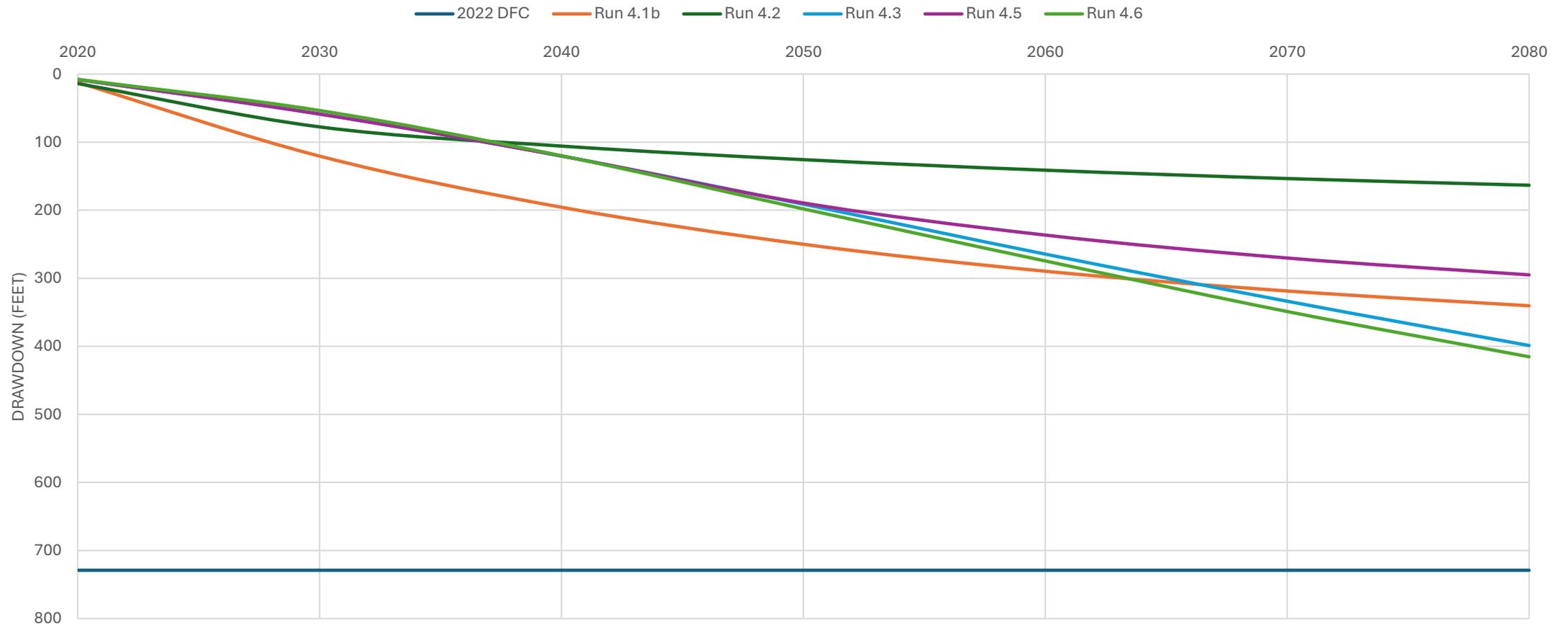
# Results for Collin County



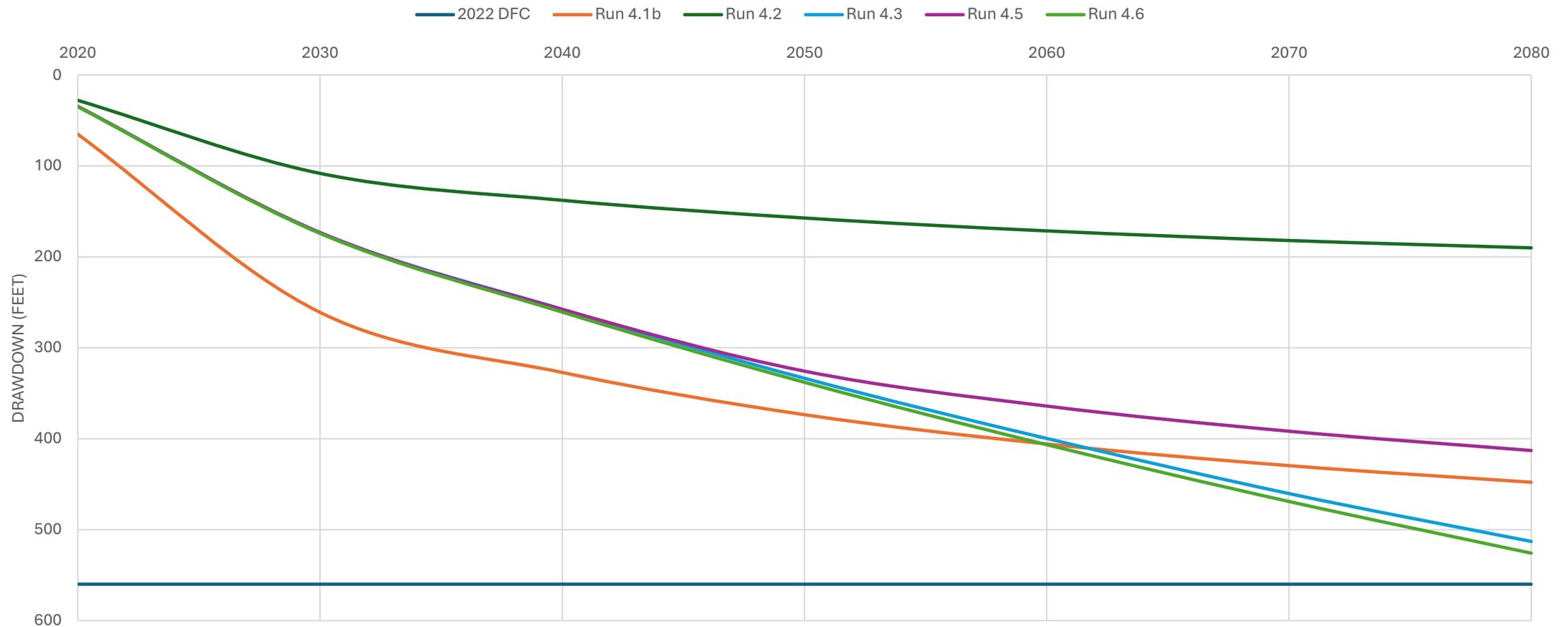
# Desired Future Conditions (in feet), Collin County, Antlers



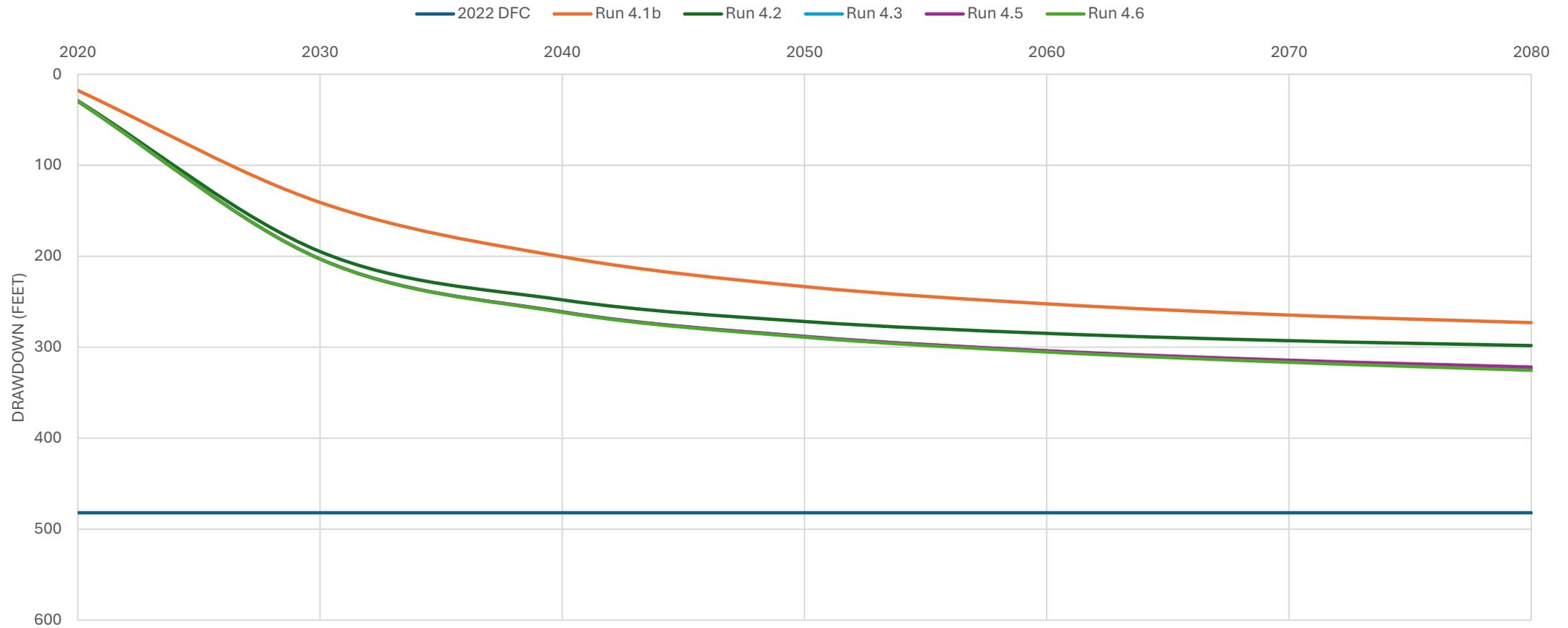
# Desired Future Conditions (in feet), Collin County, Paluxy



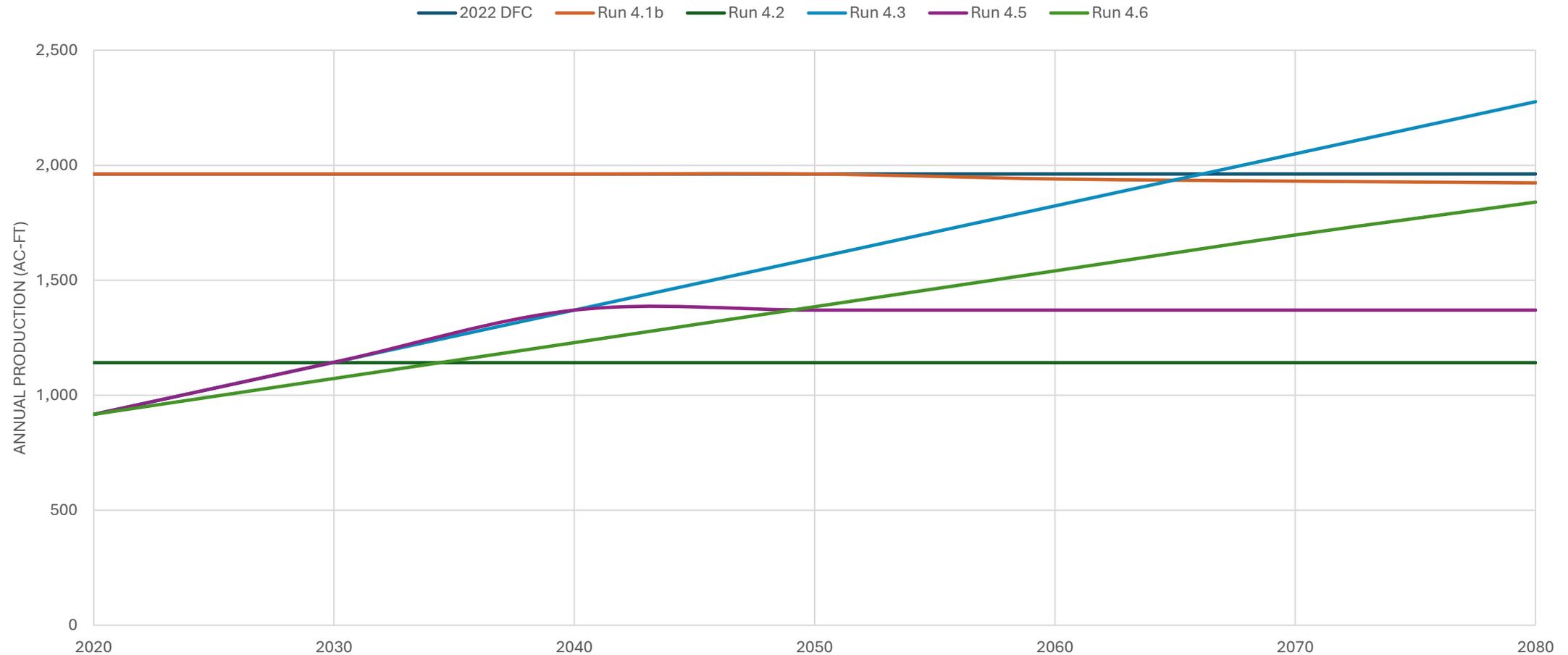
# Desired Future Conditions (in feet), Collin County, Twin Mountains



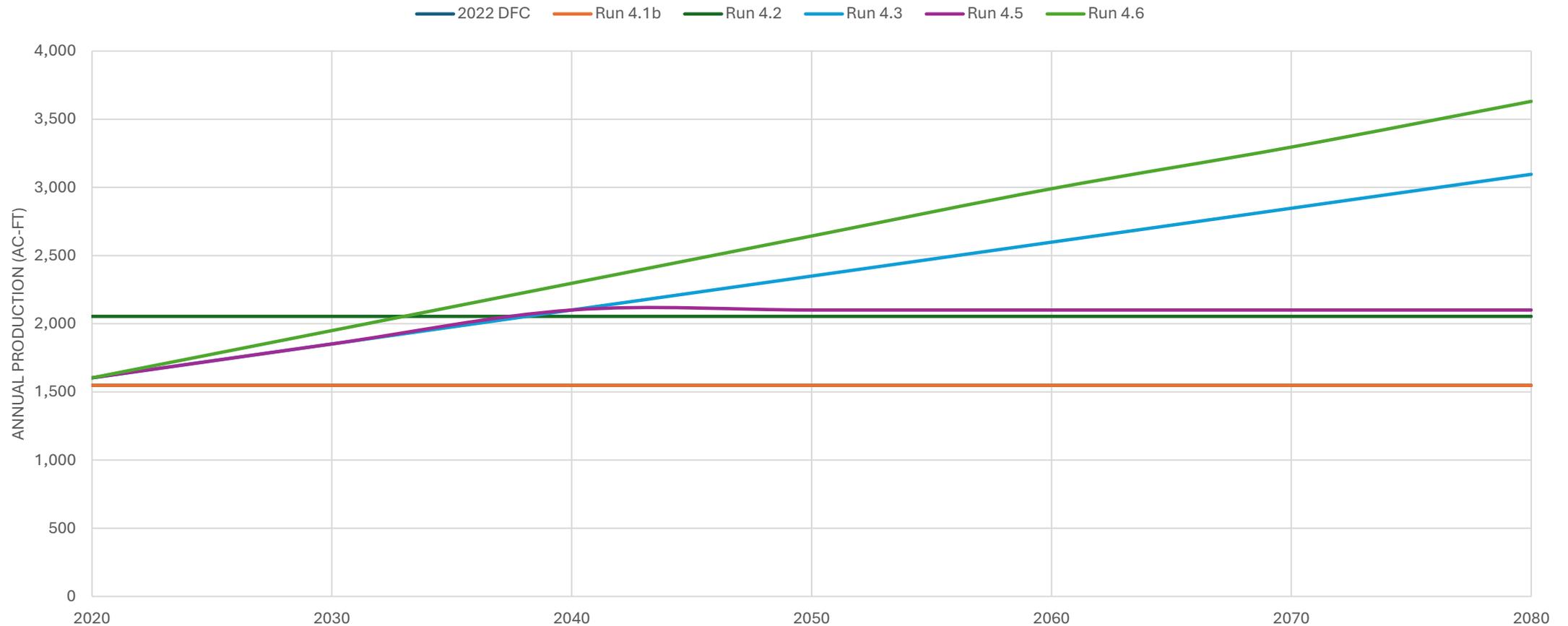
# Desired Future Conditions (in feet), Collin County, Woodbine



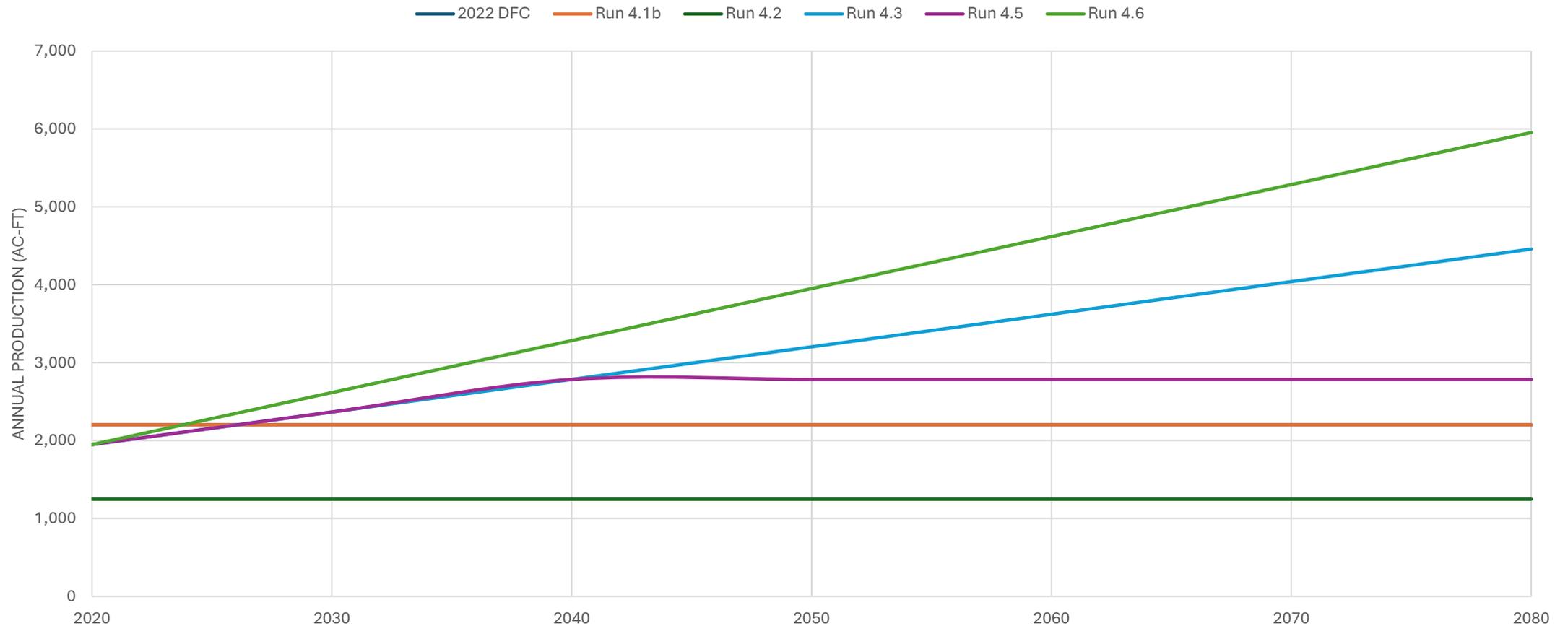
# Production (in Acre-Feet), Collin County, Antlers



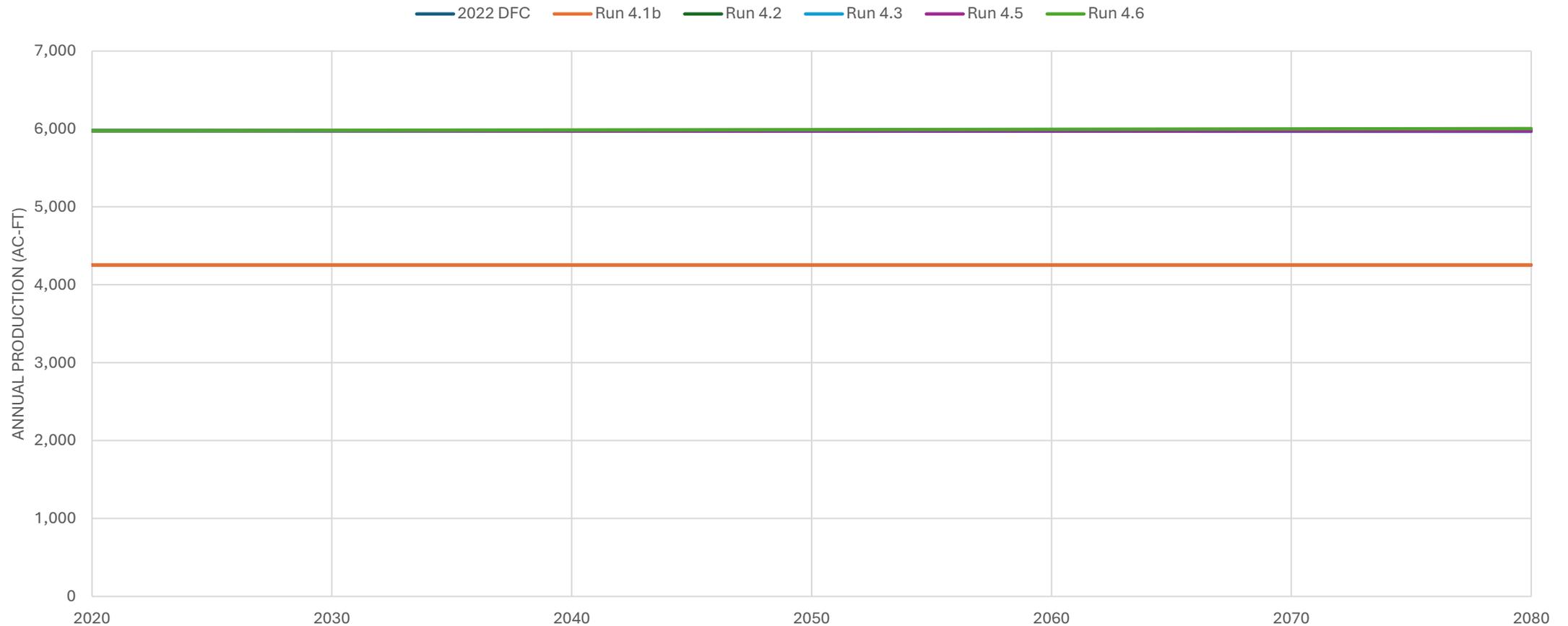
# Production (in Acre-Feet), Collin County, Paluxy



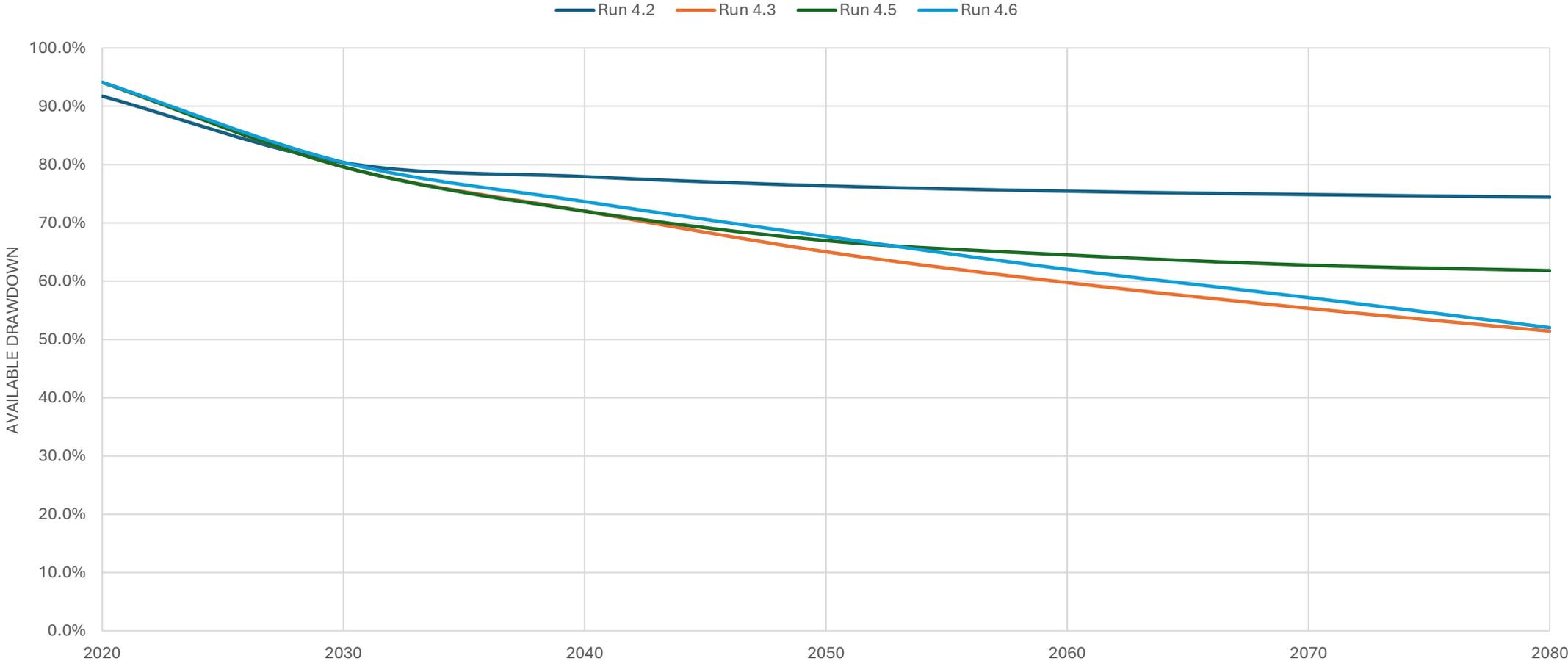
# Production (in Acre-Feet), Collin County, Twin Mountains



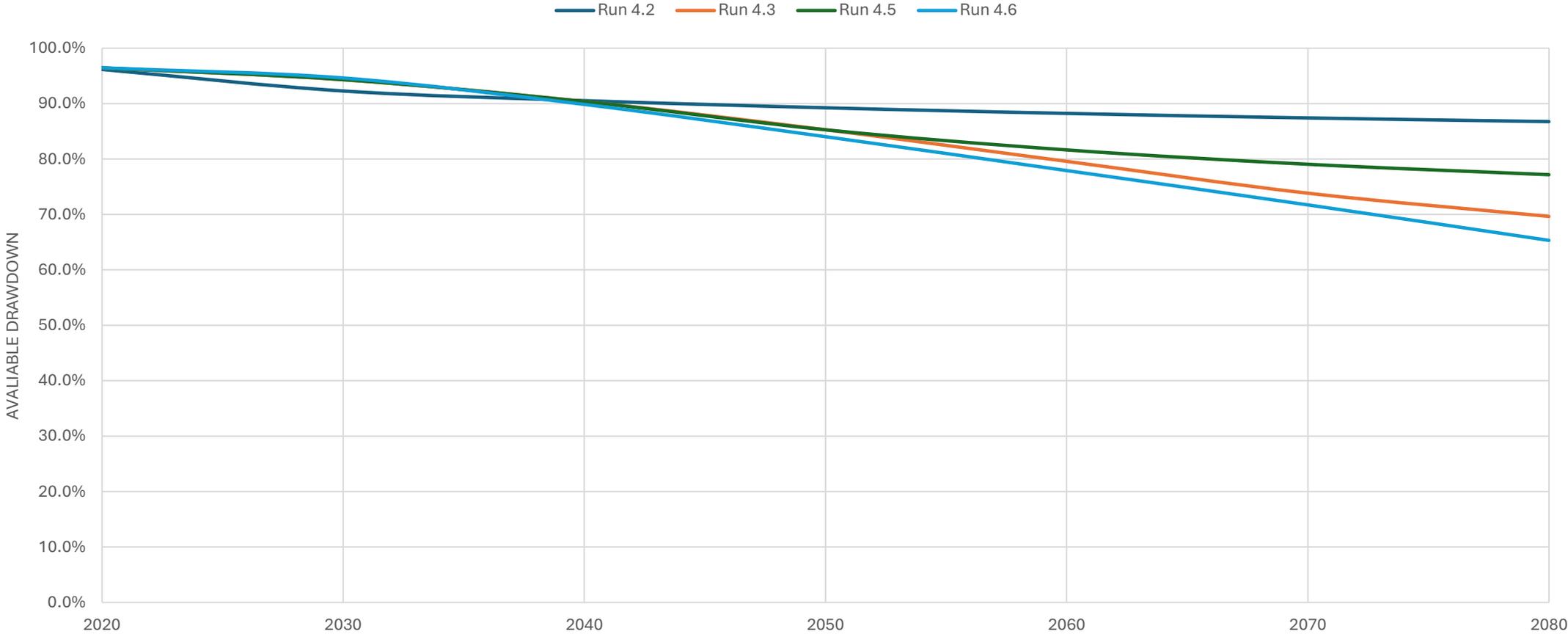
# Production (in Acre-Feet), Collin County, Woodbine



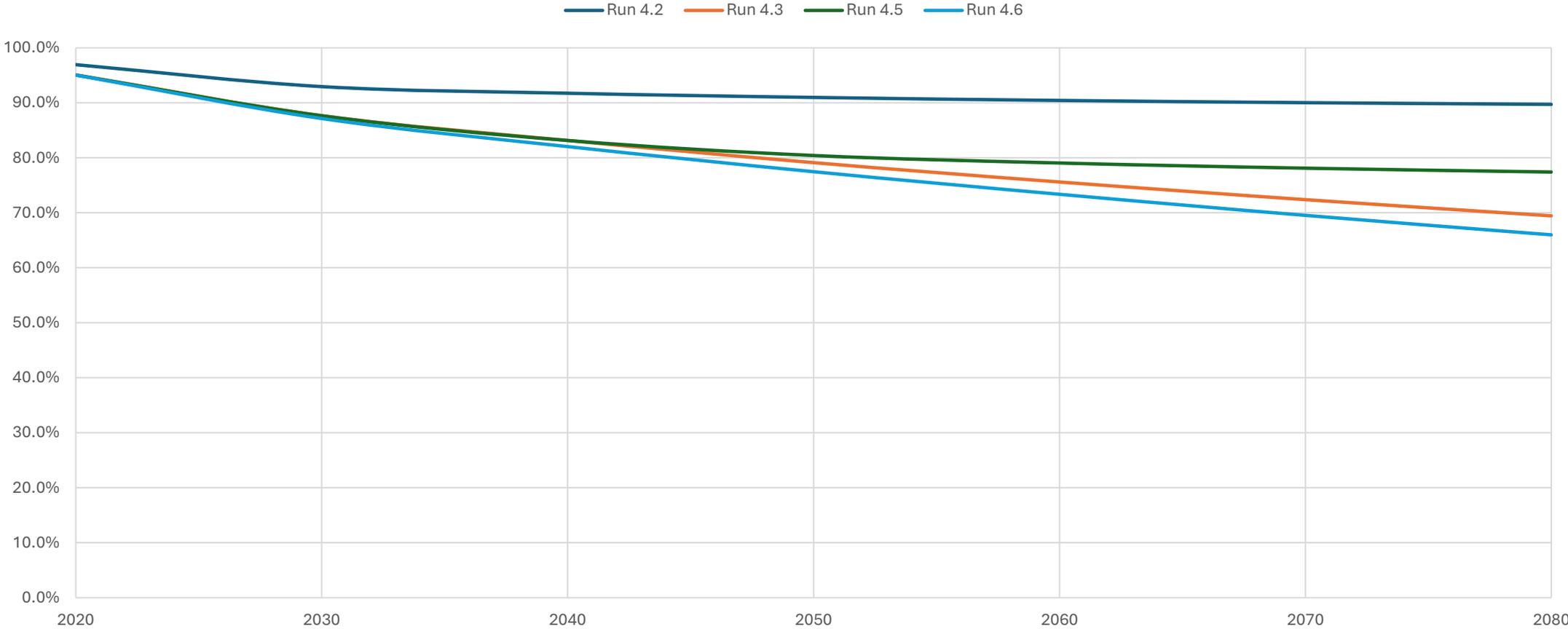
# Available Drawdown in Production Wells, Collin County, Antlers



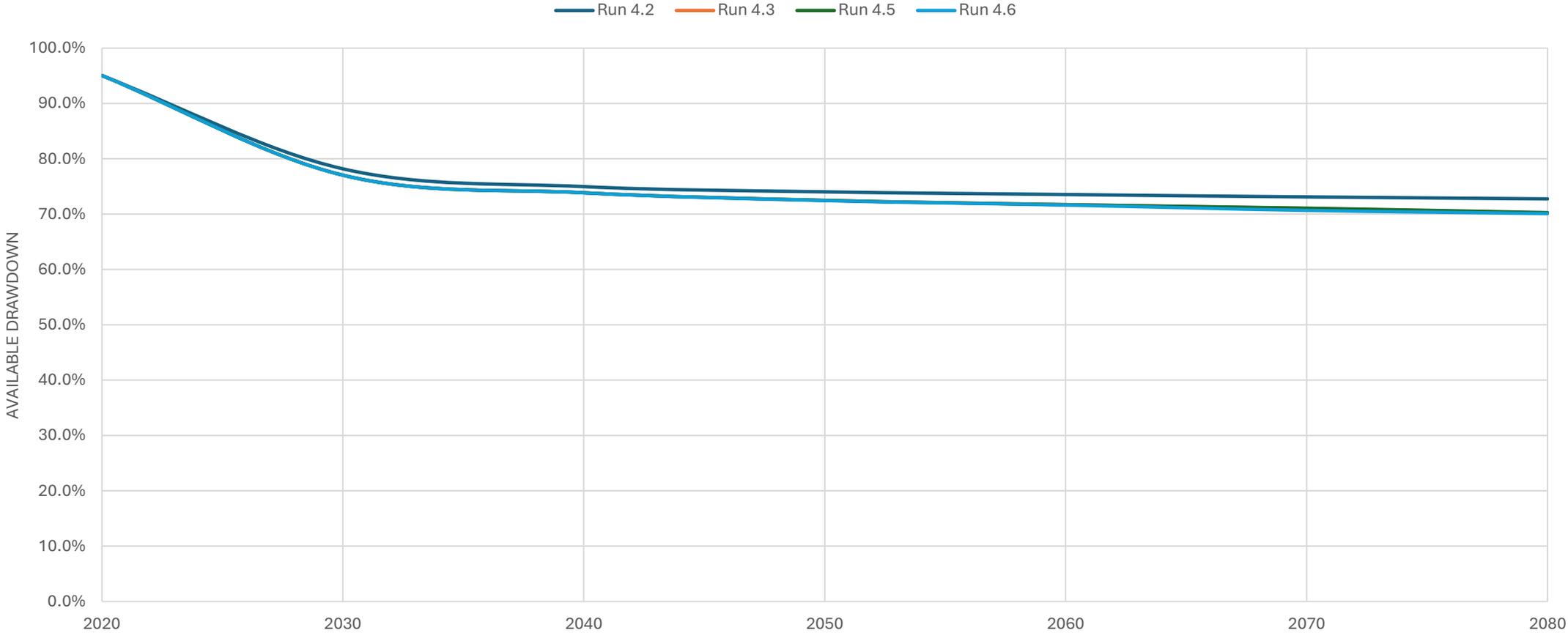
# Available Drawdown in Production Wells, Collin County, Paluxy



# Available Drawdown in Production Wells, Collin County, Twin Mountains



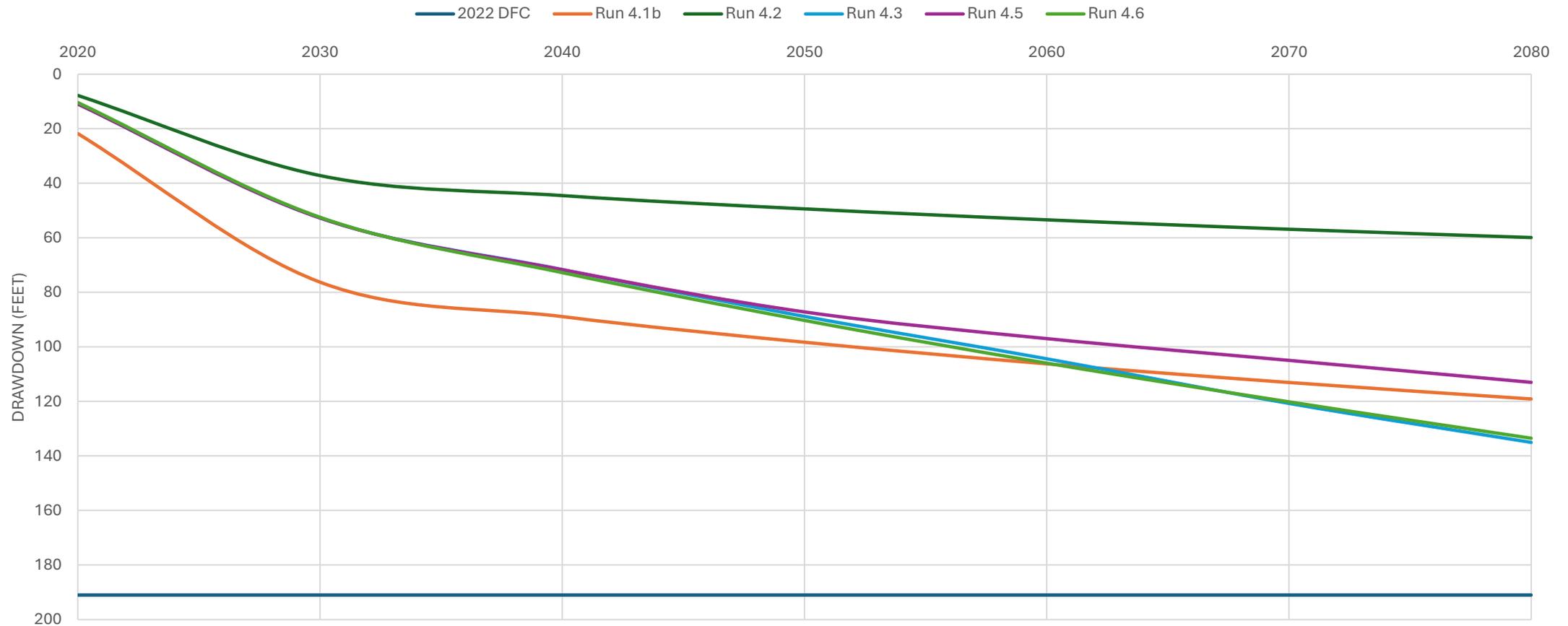
# Available Drawdown in Production Wells, Collin County, Woodbine



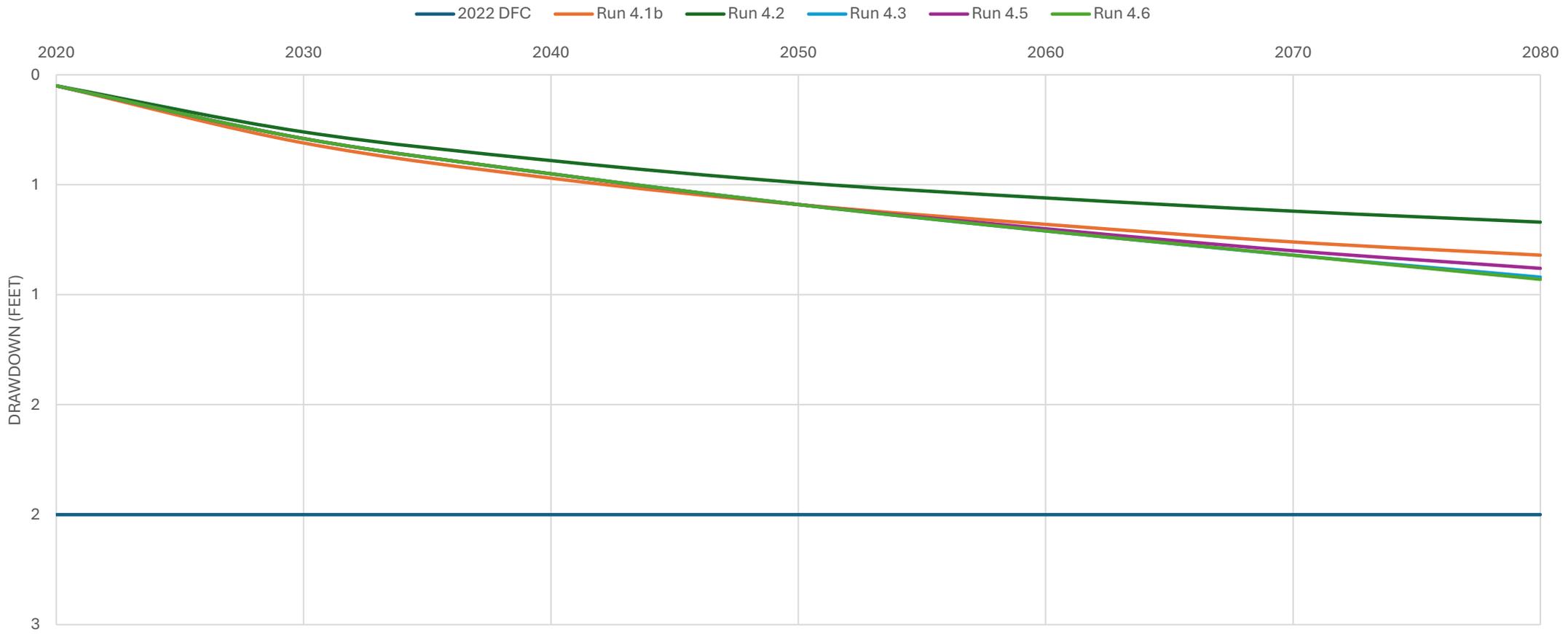
# Results for Cooke County



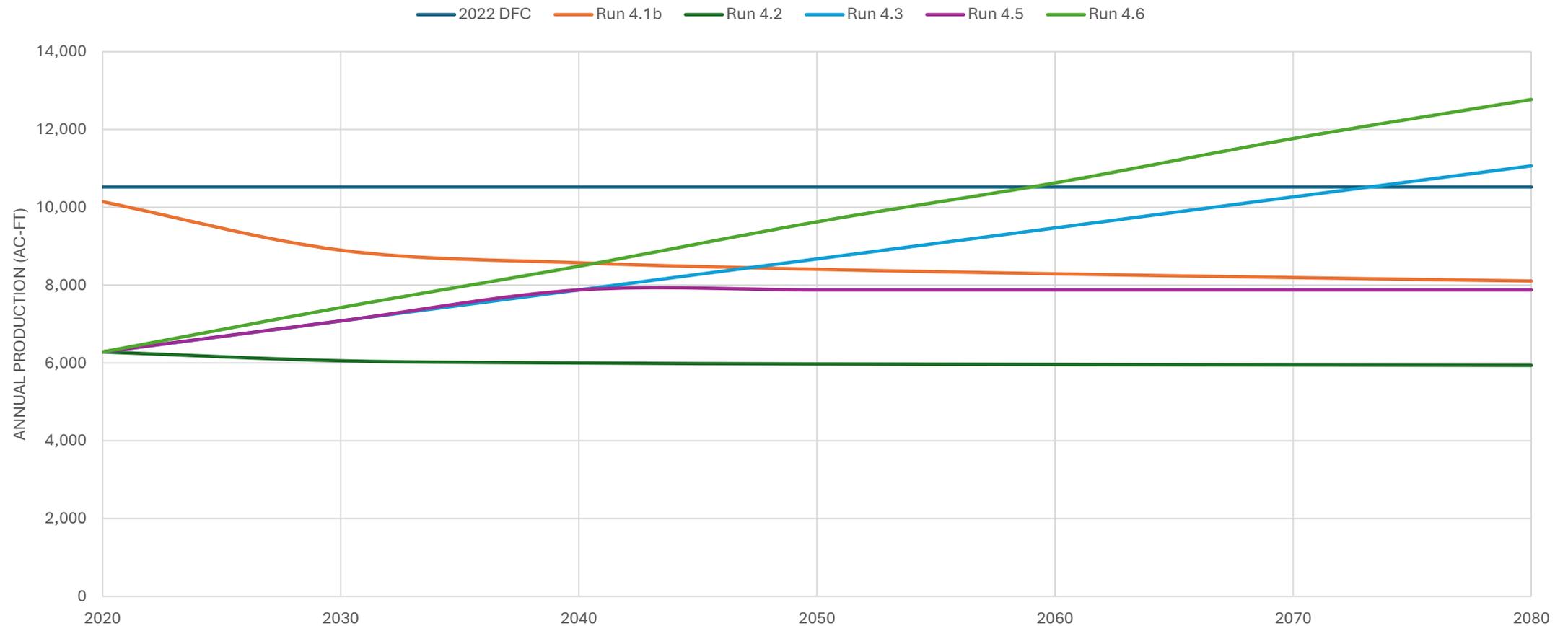
# Desired Future Conditions (in feet), Cooke County, Antlers



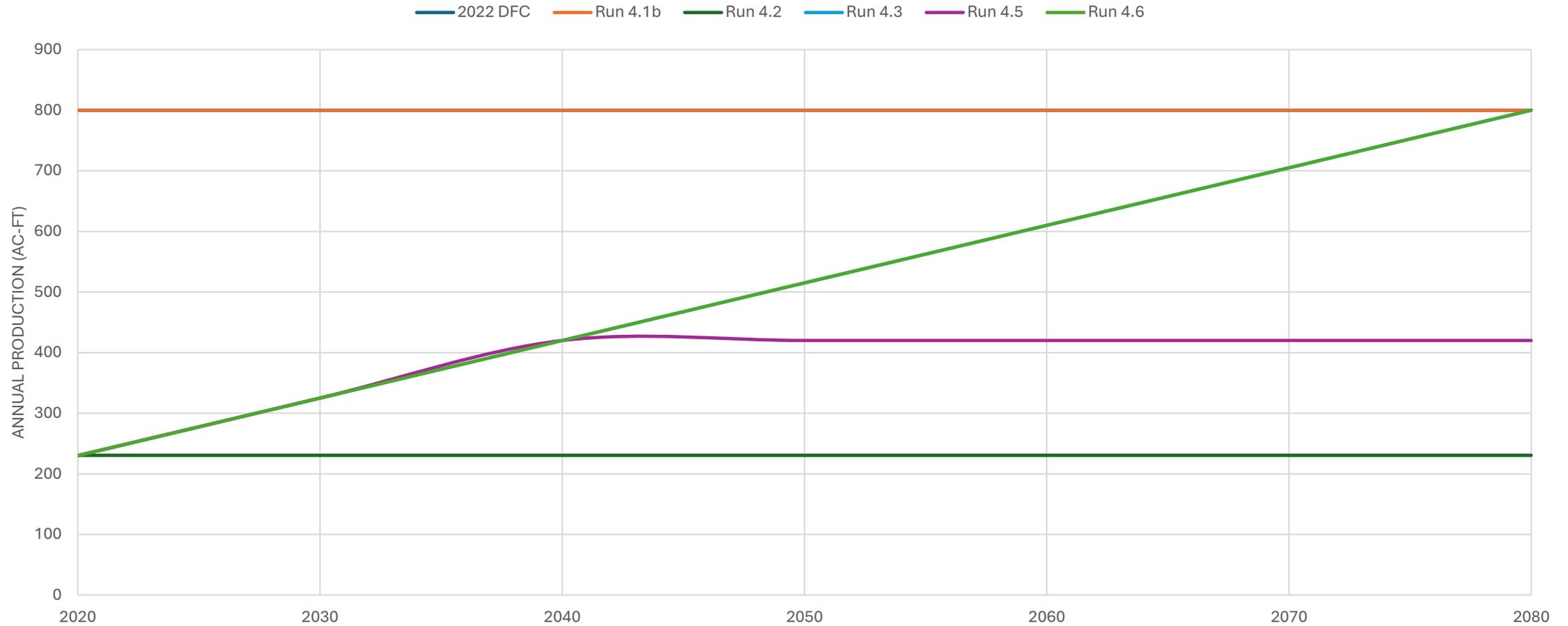
# Desired Future Conditions (in feet), Cooke County, Woodbine



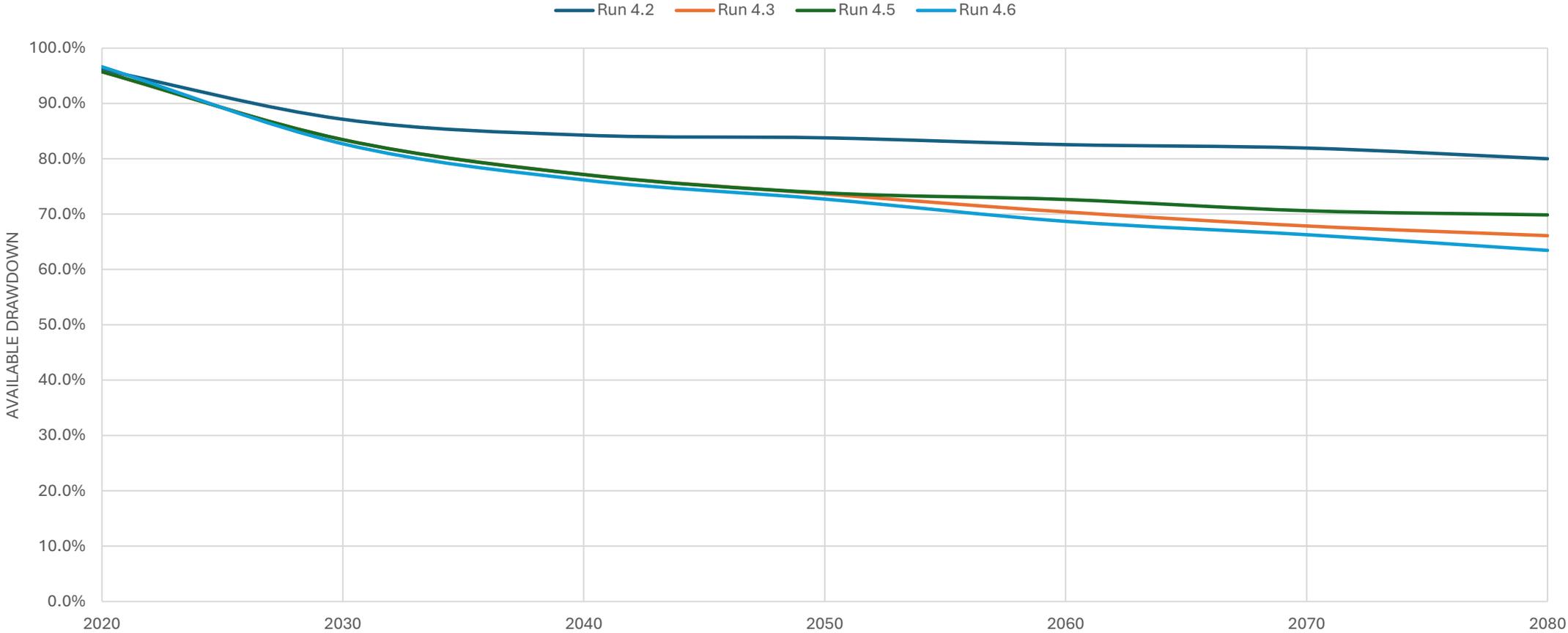
# Production (in Acre-Feet), Cooke County, Antlers



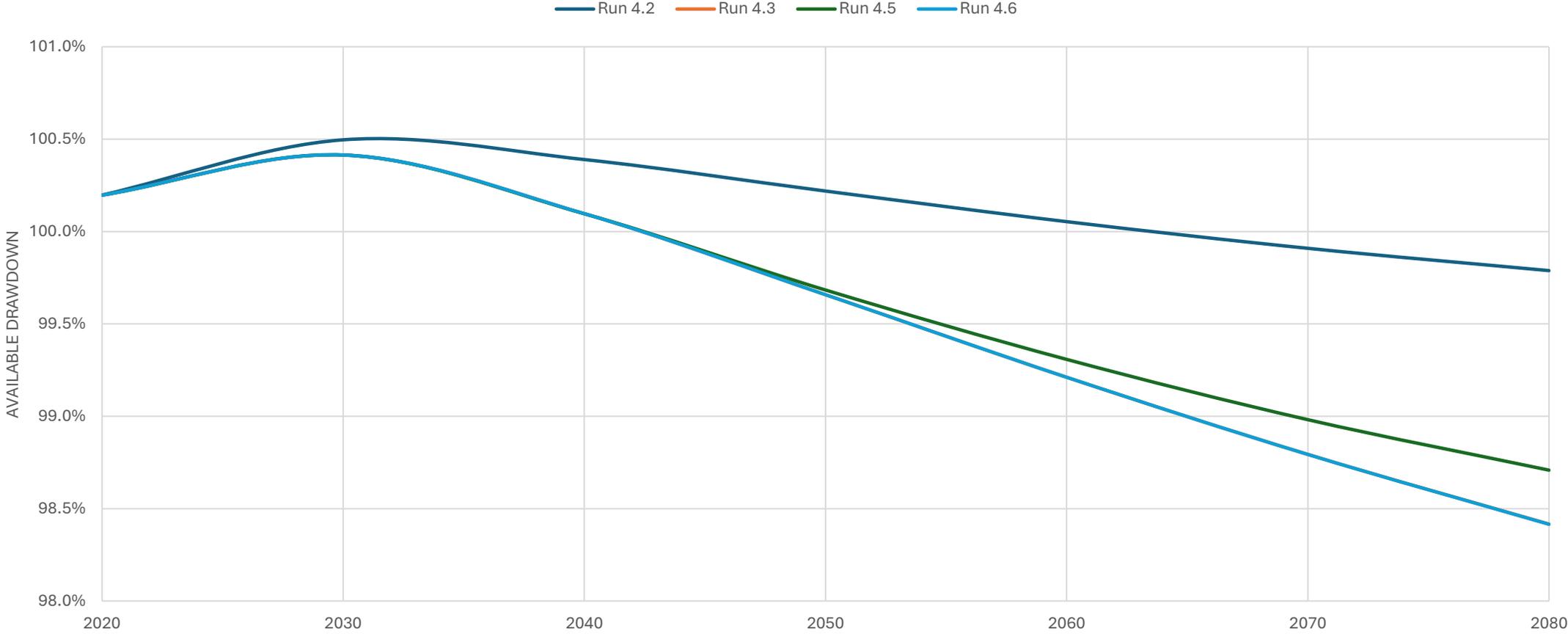
# Production (in Acre-Feet), Cooke County, Woodbine



# Available Drawdown in Production Wells, Cooke County, Antlers



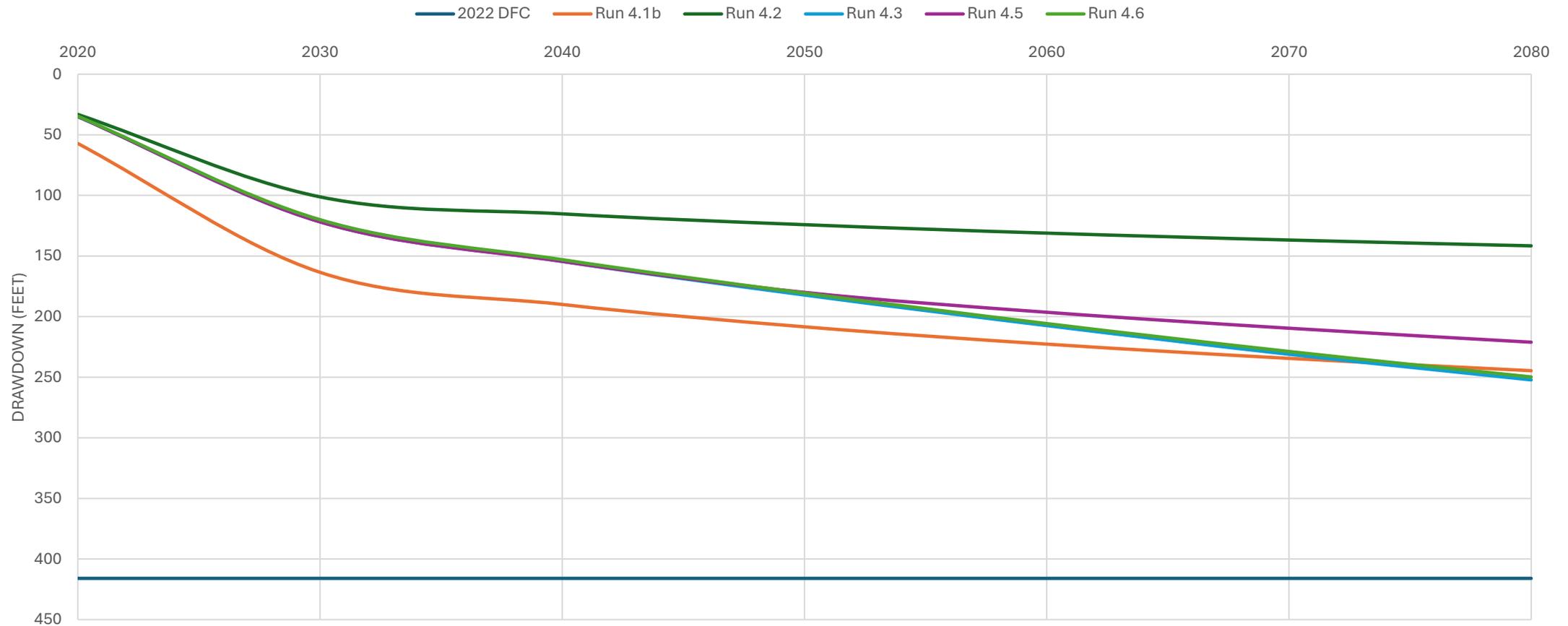
# Available Drawdown in Production Wells, Cooke County, Woodbine



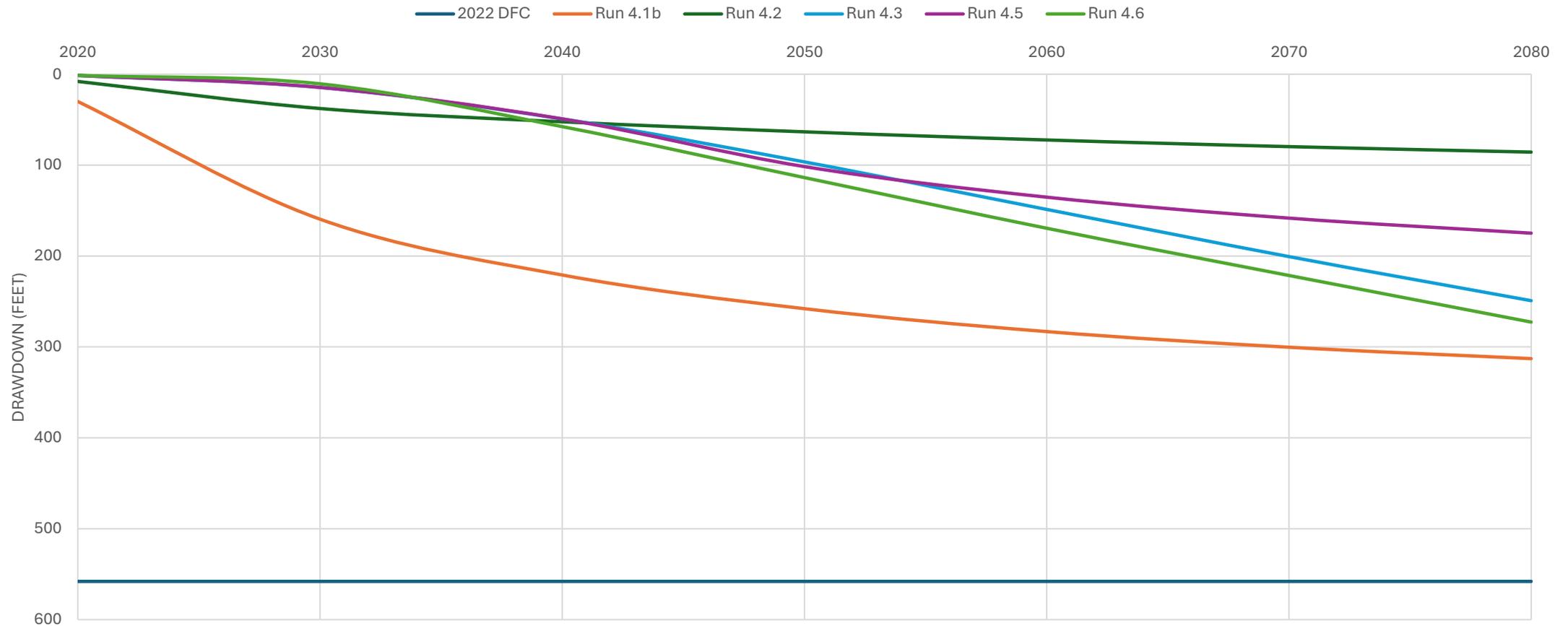
# Results for Denton County



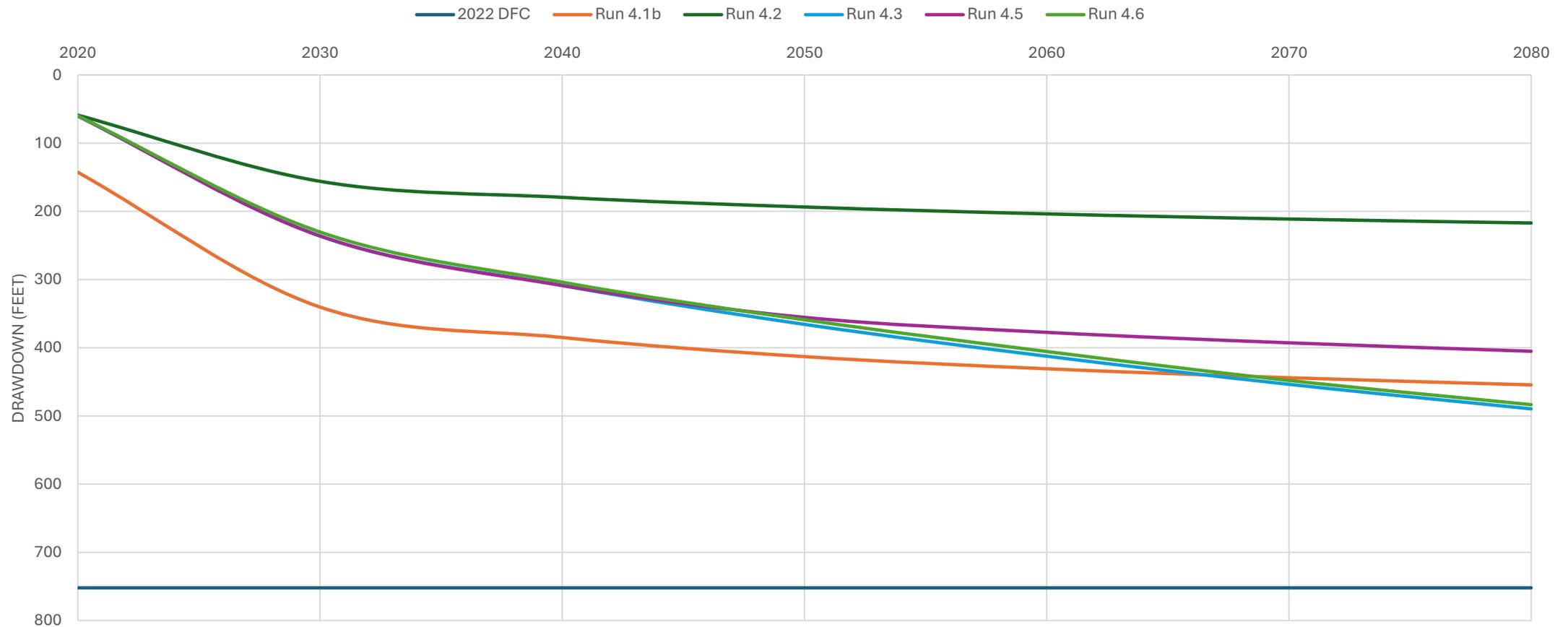
# Desired Future Conditions (in feet), Denton County, Antlers



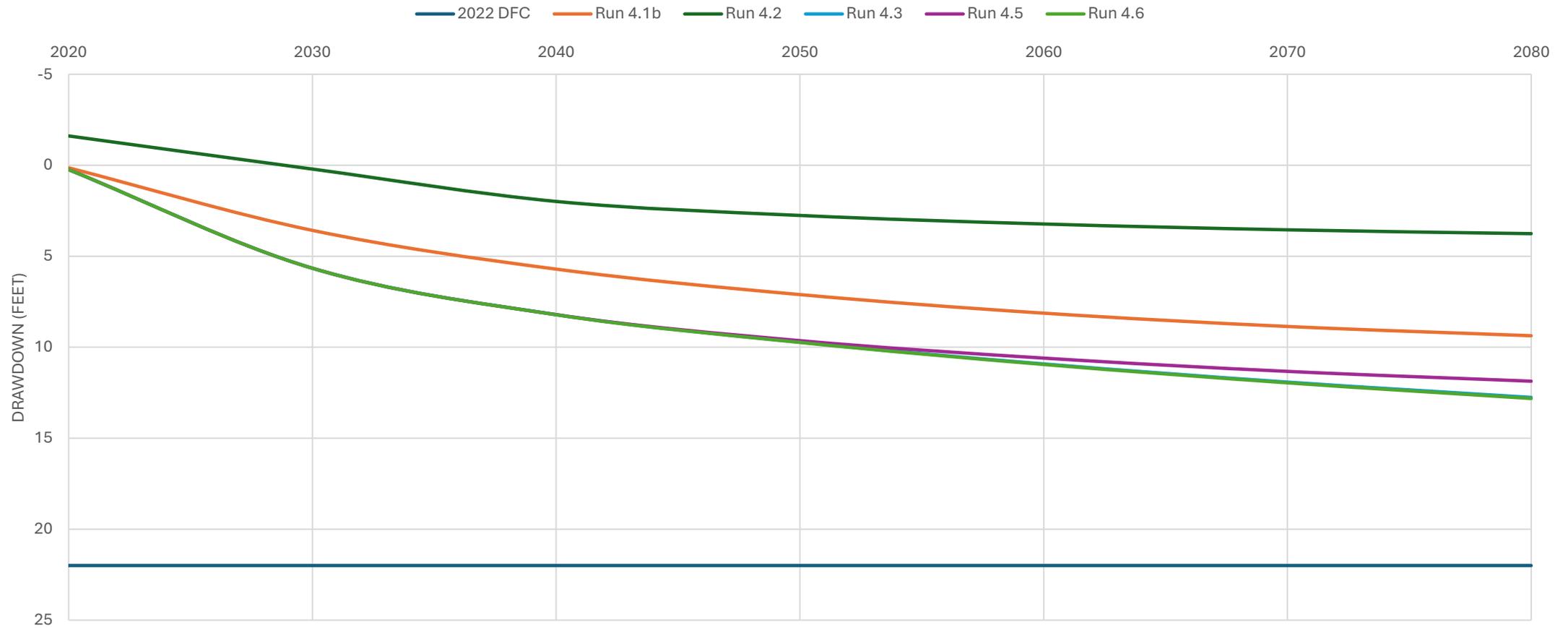
# Desired Future Conditions (in feet), Denton County, Paluxy



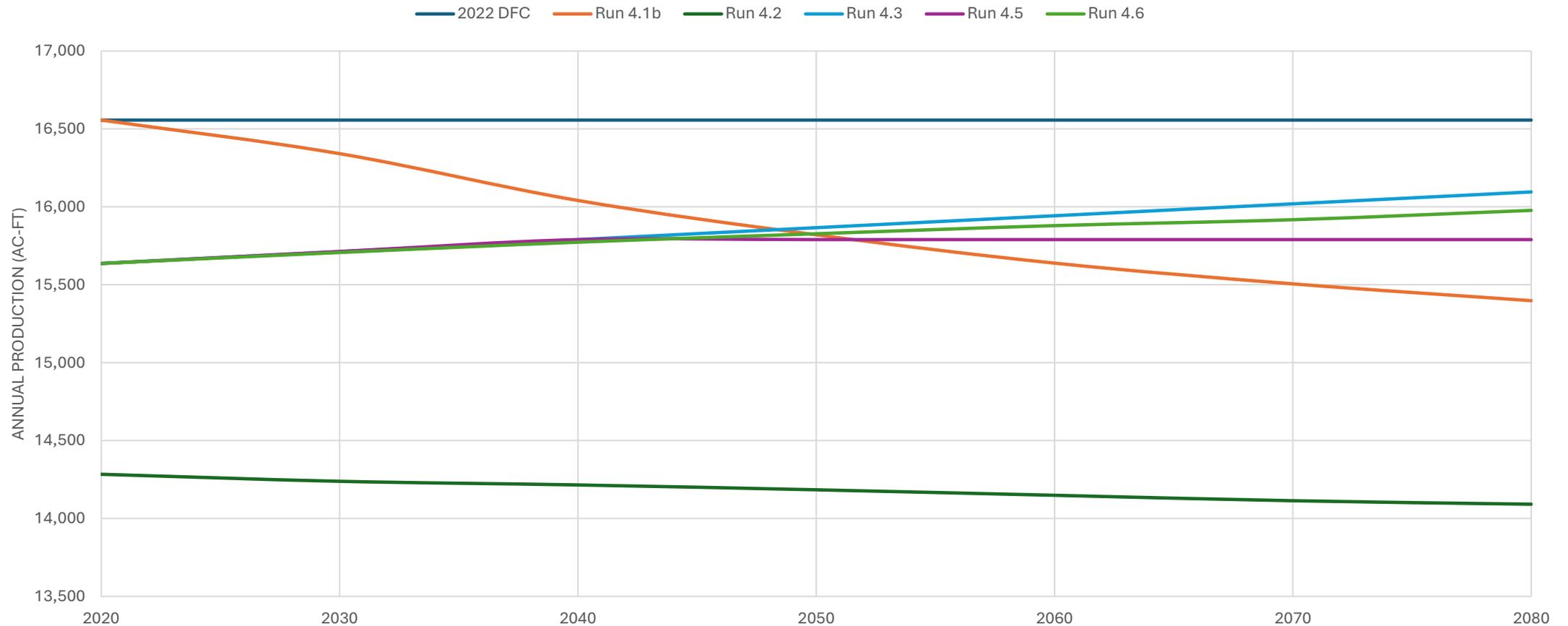
# Desired Future Conditions (in feet), Denton County, Twin Mountains



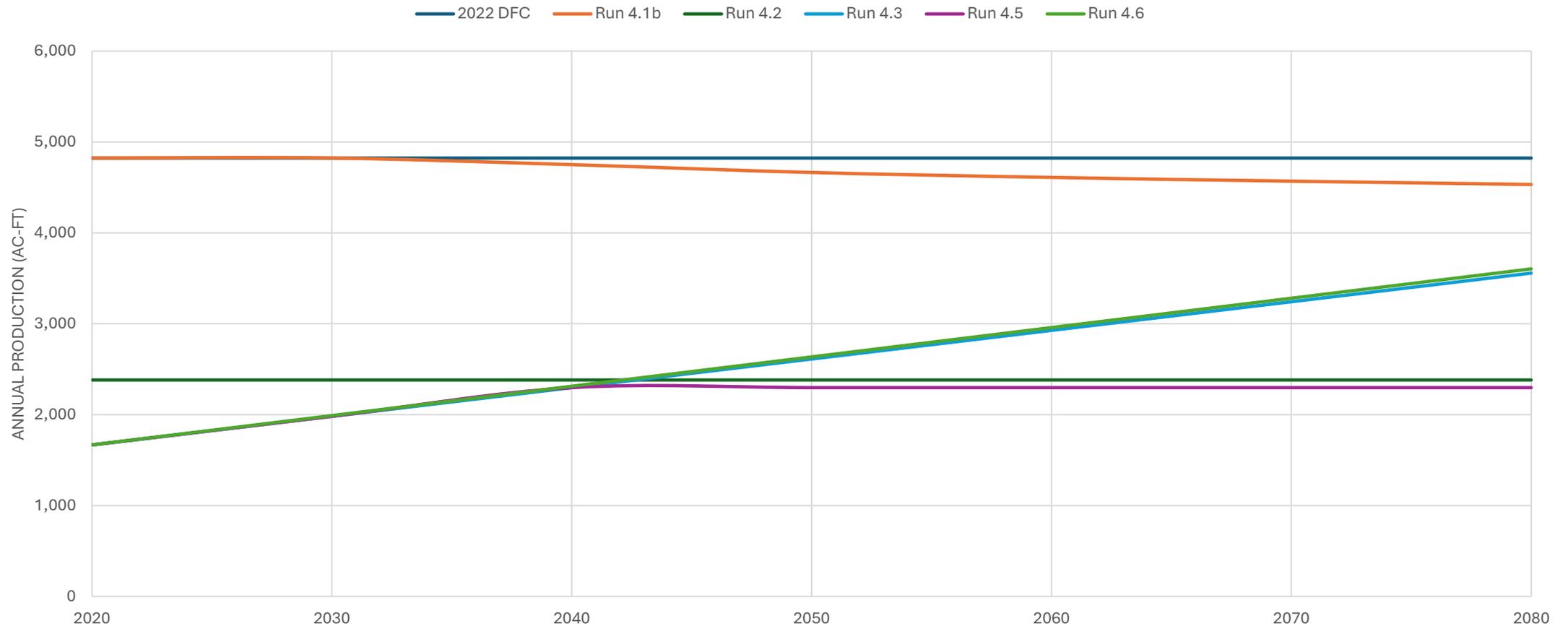
# Desired Future Conditions (in feet), Denton County, Woodbine



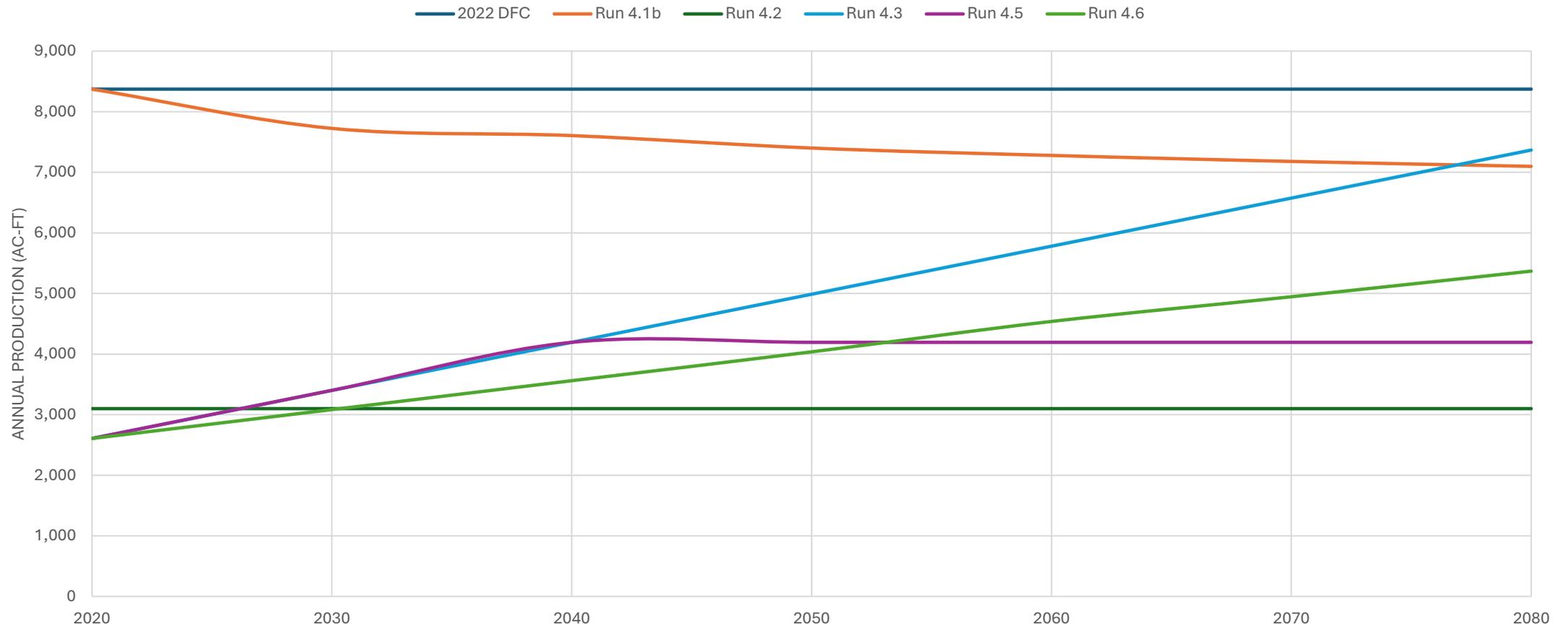
# Production (in Acre-Feet), Denton County, Antlers



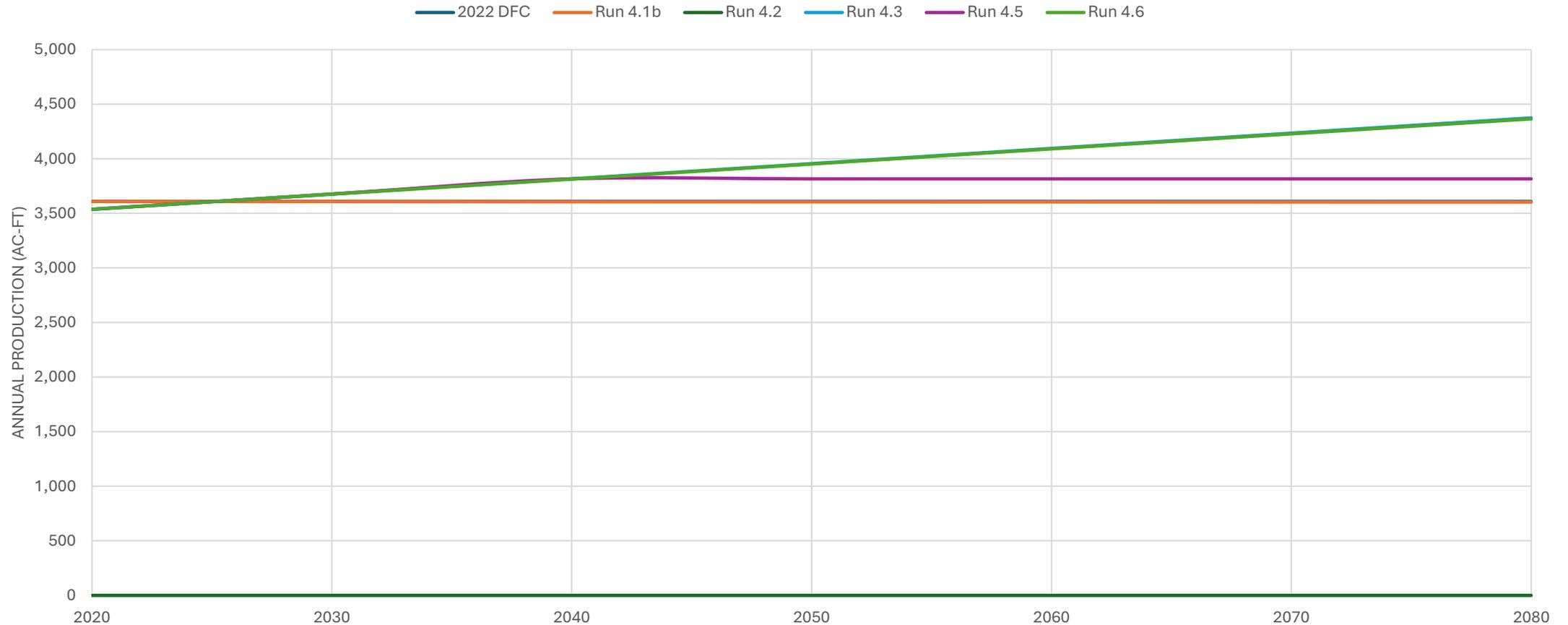
# Production (in Acre-Feet), Denton County, Paluxy



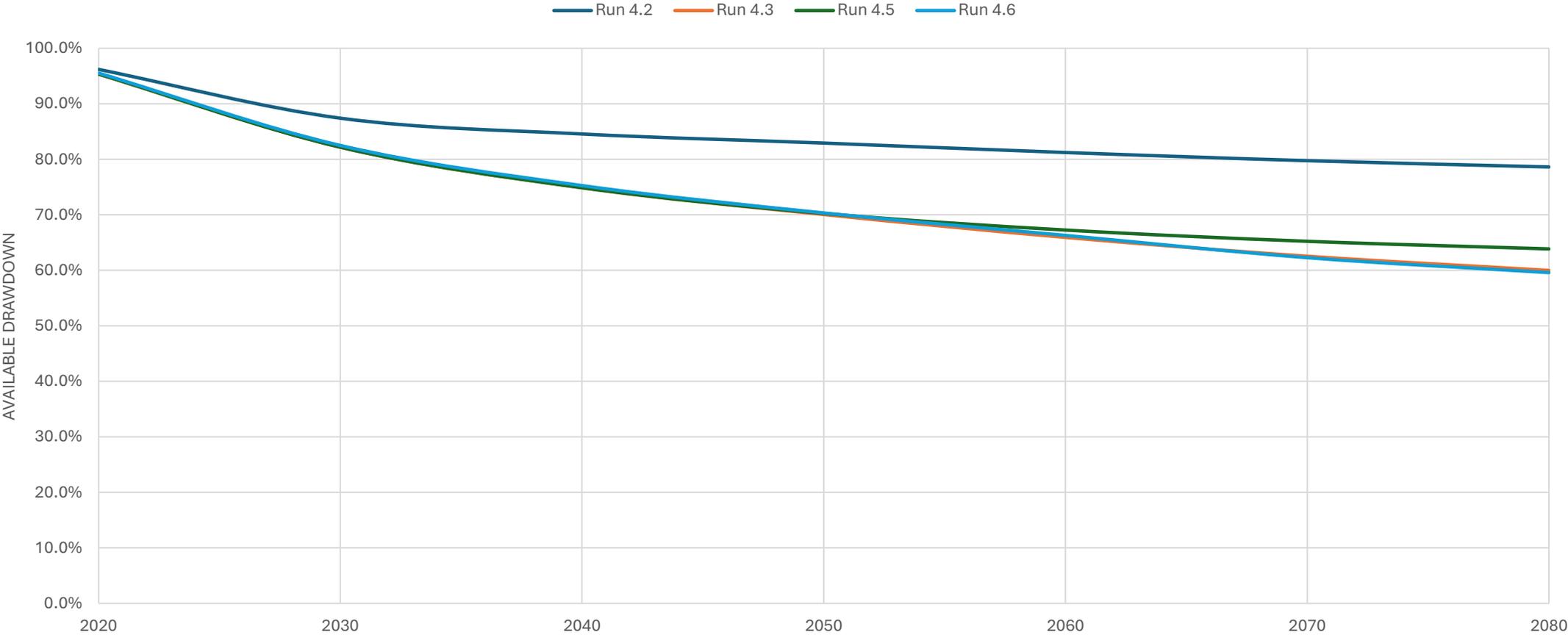
# Production (in Acre-Feet), Denton County, Twin Mountains



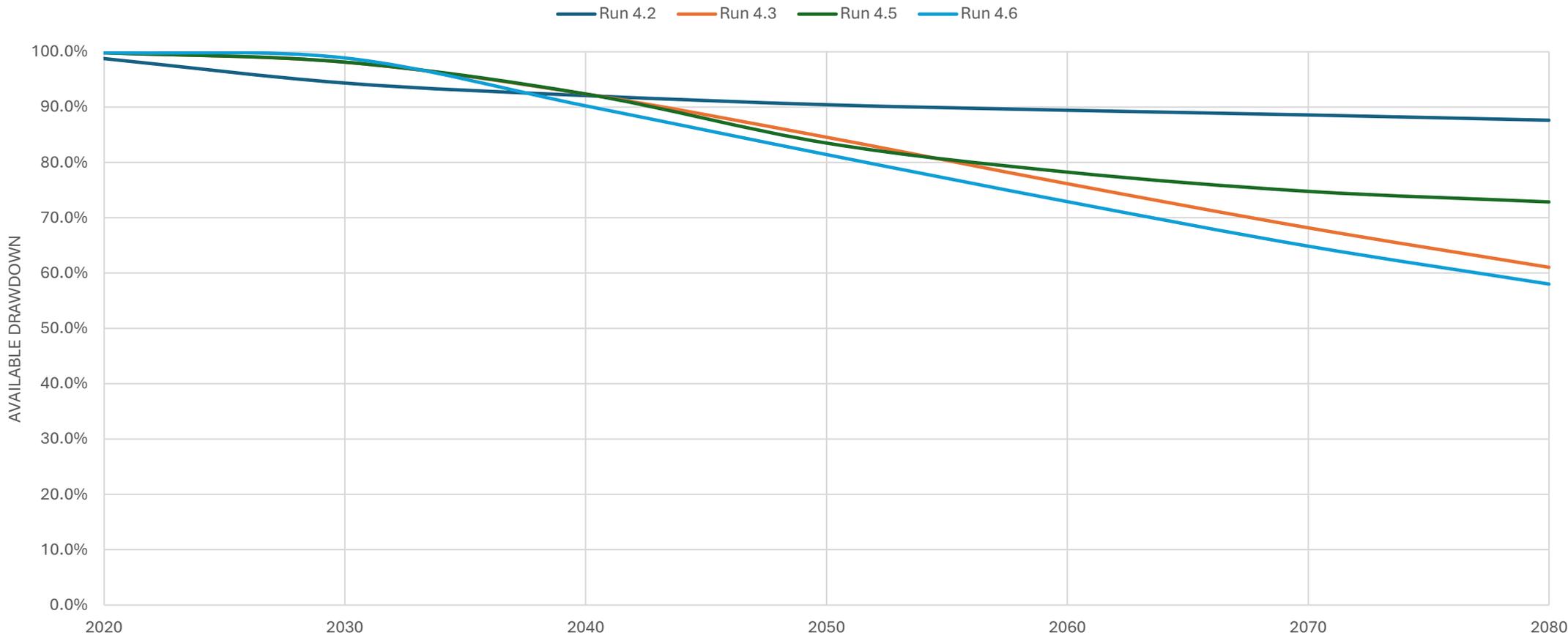
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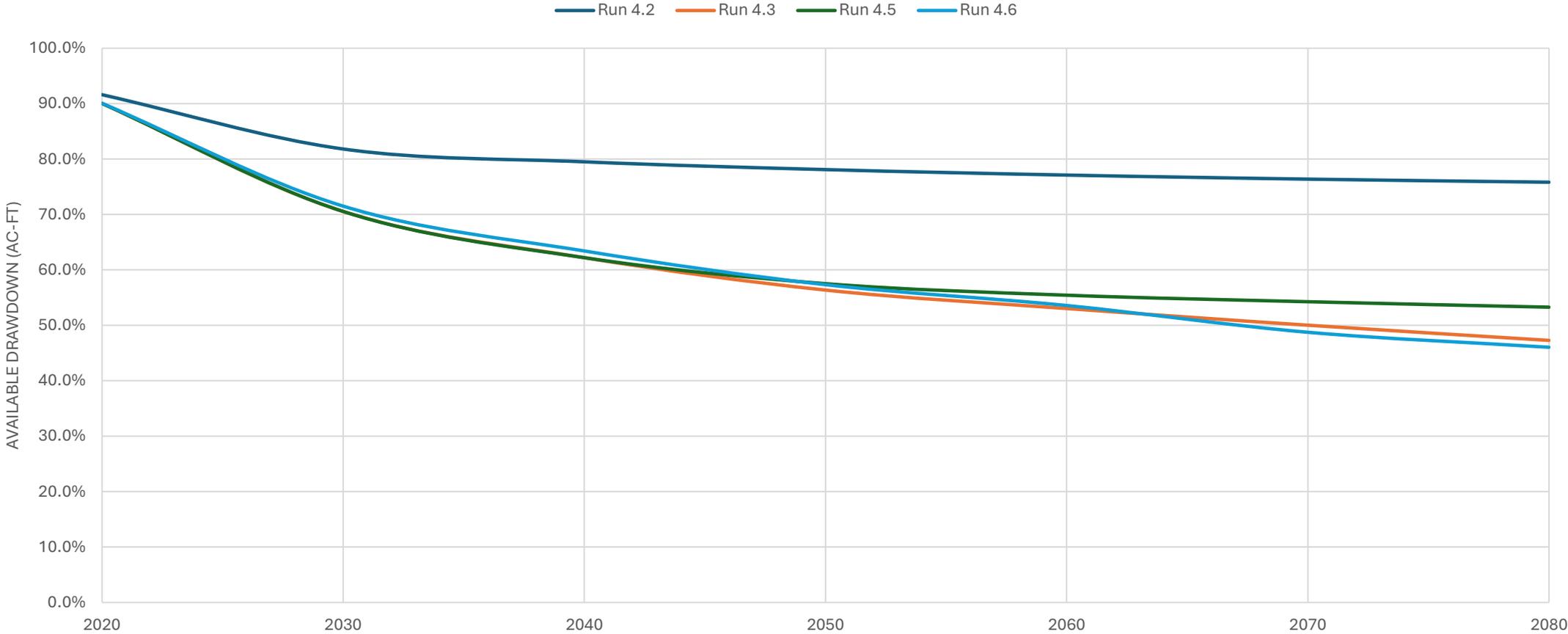
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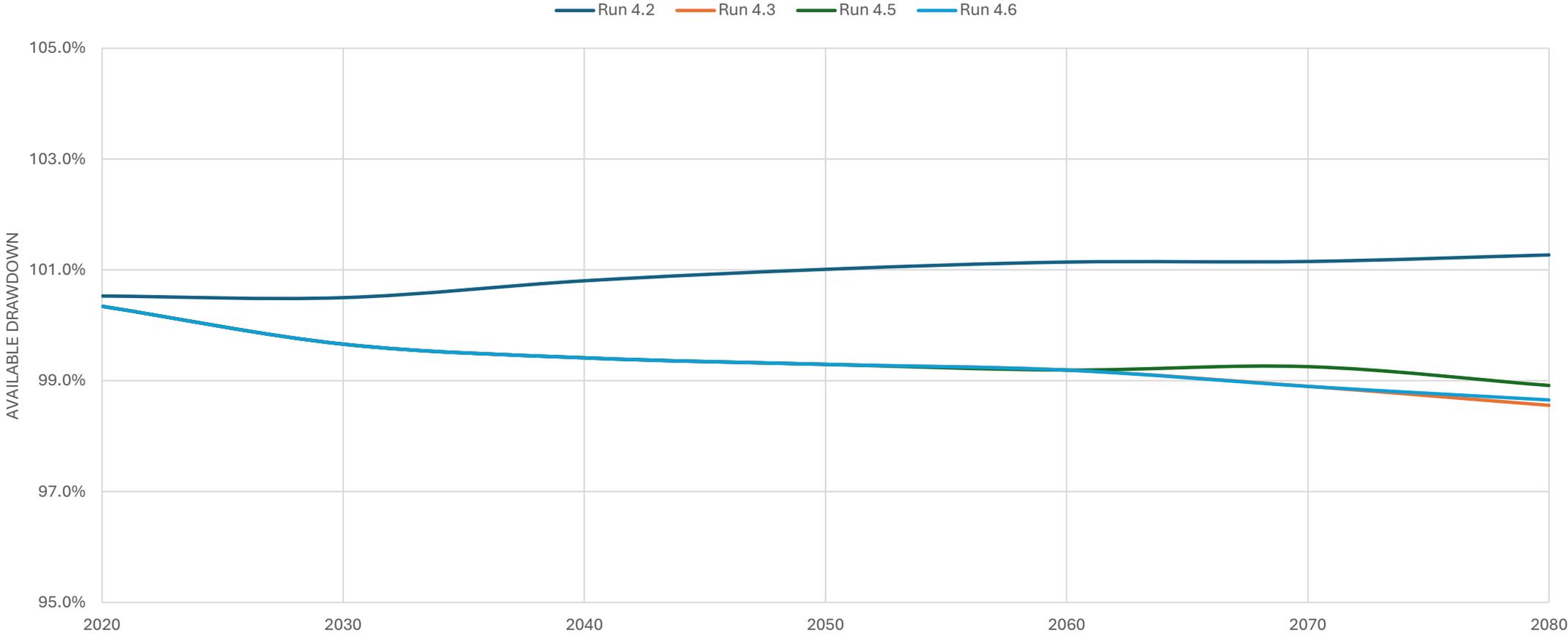
# Available Drawdown in Production Wells, Denton County, Paluxy



# Available Drawdown in Production Wells, Denton County, Twin Mountains



# Available Drawdown in Production Wells, Denton County, Woodbine



# Staff Recommendation and Notes

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The results for Run 4.7 should have minimal effect on the District and the results will be non-relevant.



Use Run 4.6 for the final DFC Run