

PALOUSE BASIN  
**AQUIFER**  
committee

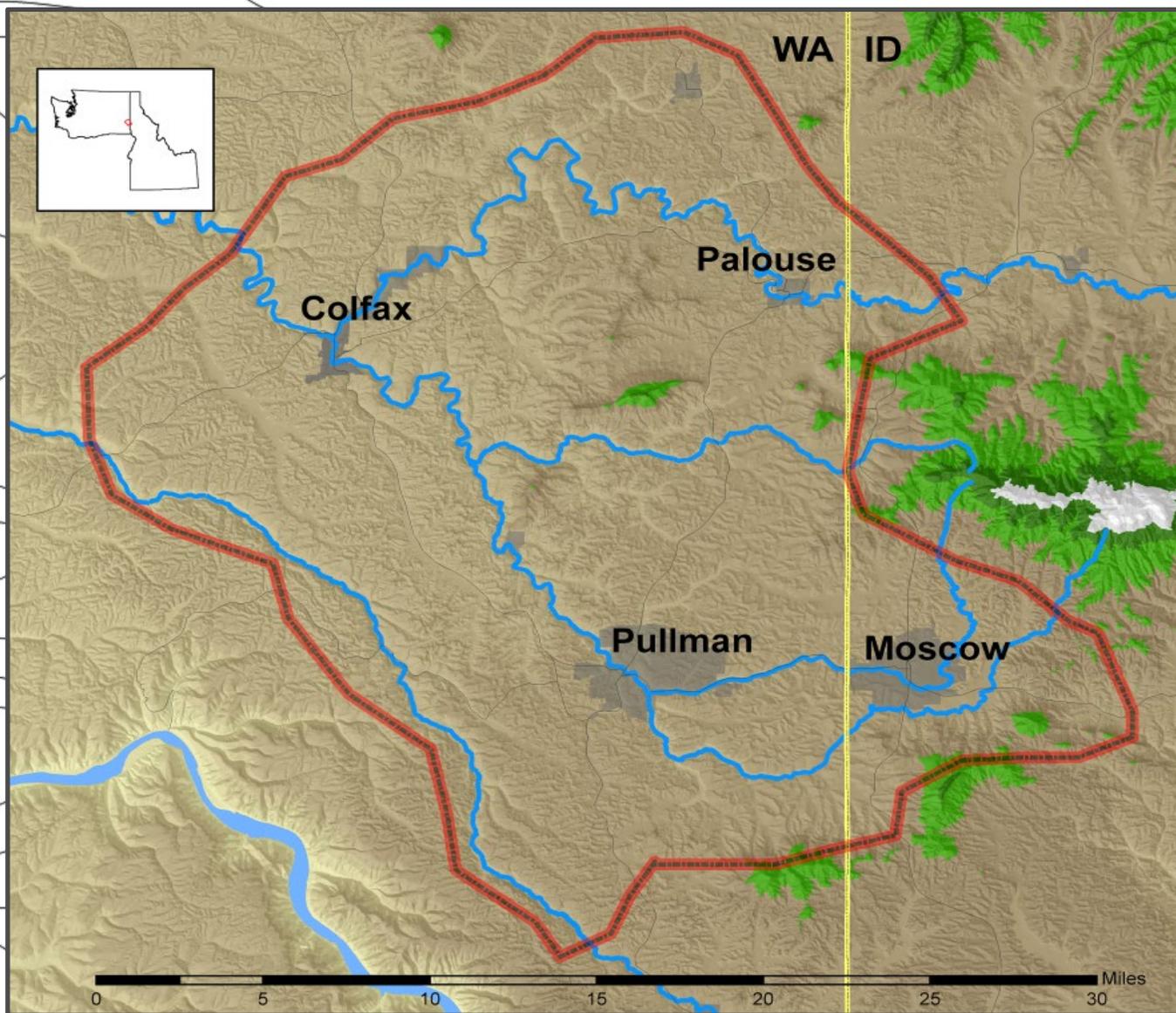
**PBAC 2021 Pumping**

**February 17, 2022**

# PBAC's Mission

*"To ensure a long-term, quality water supply for the Palouse Basin region"*

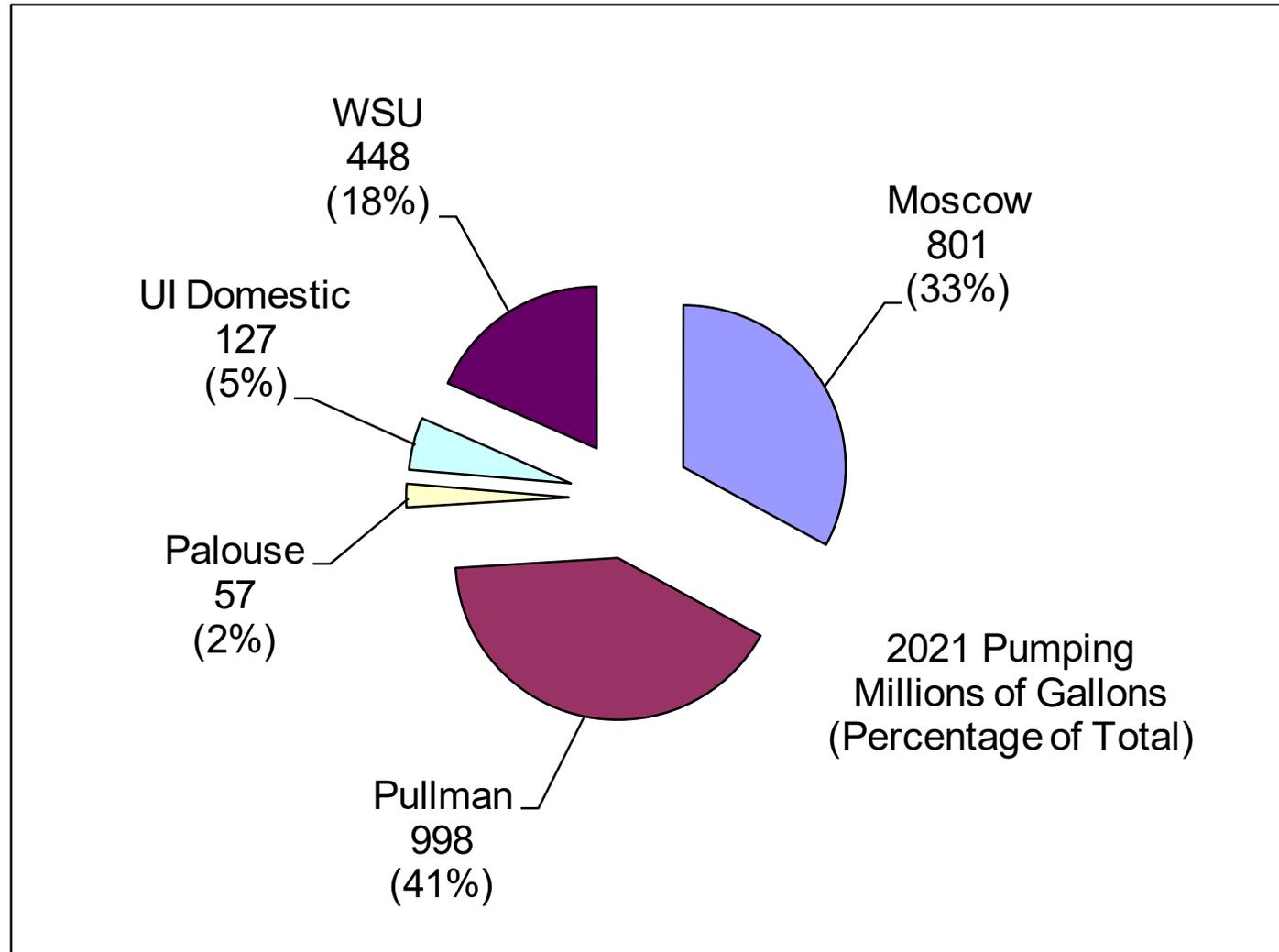




# Palouse Basin Water Boundaries

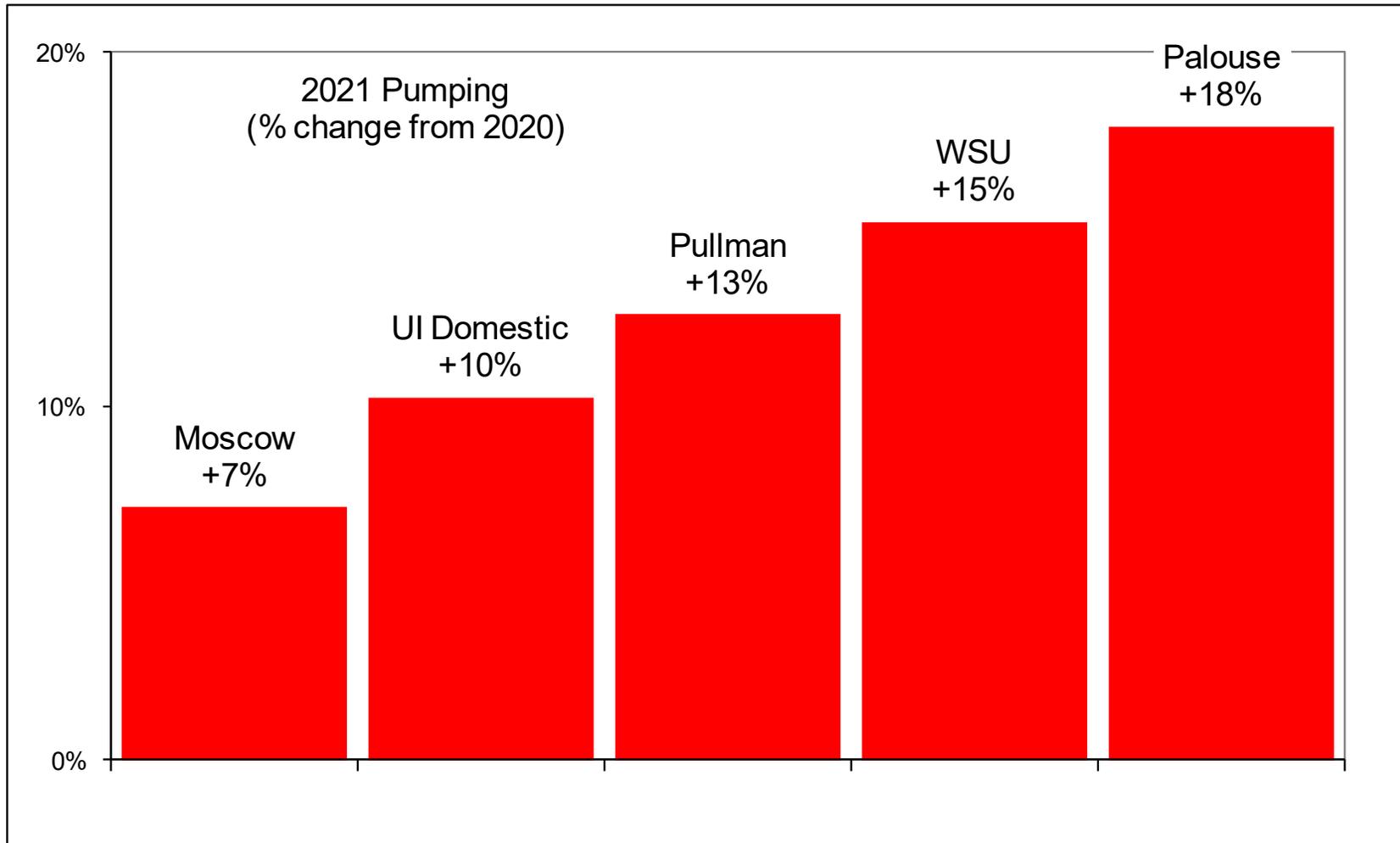
# Total Pumped in 2021 = 2.43 Billion Gallons

Change from 2020 = +11.2%

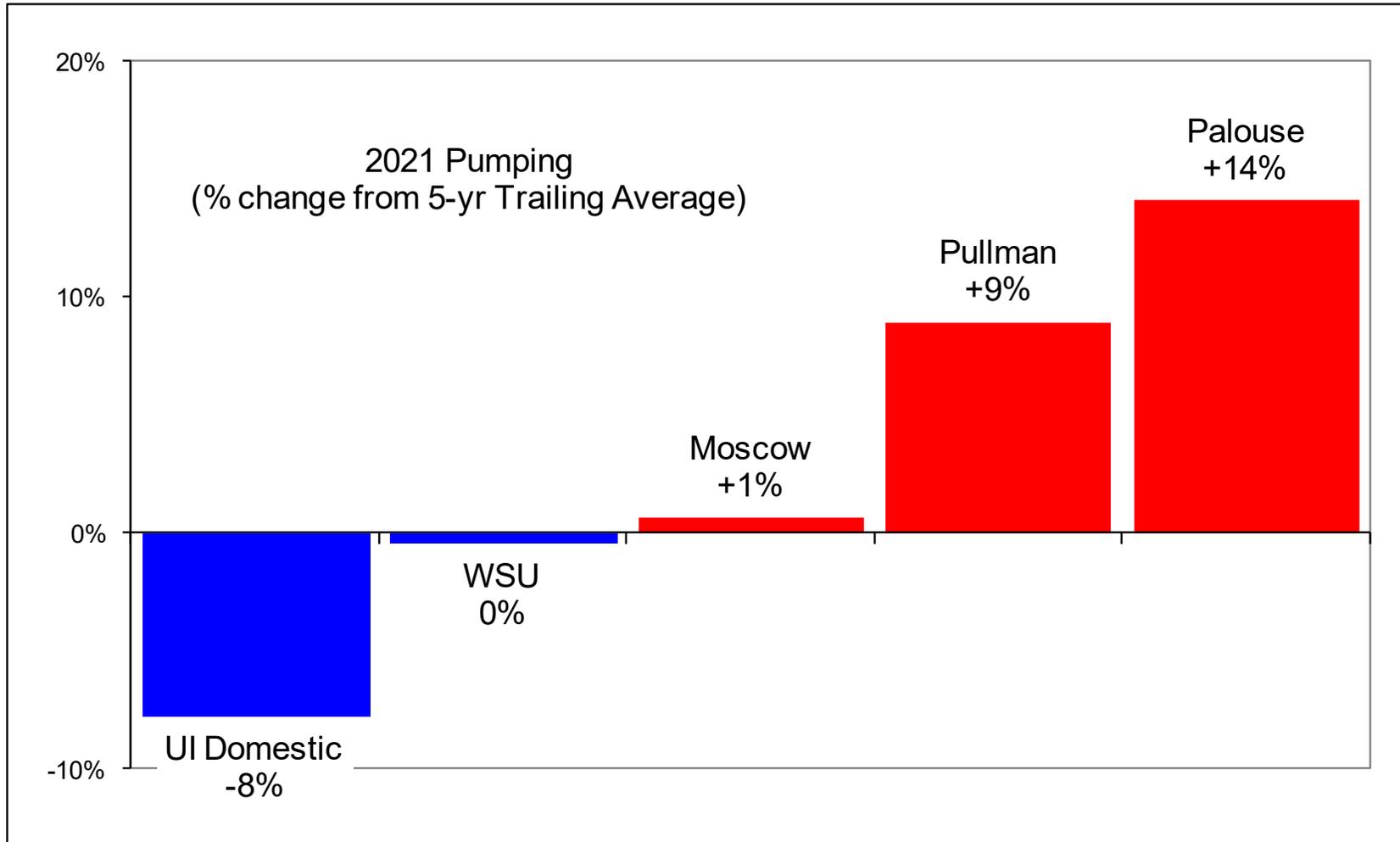


Change in Pumping from 1992 = -11.4 %

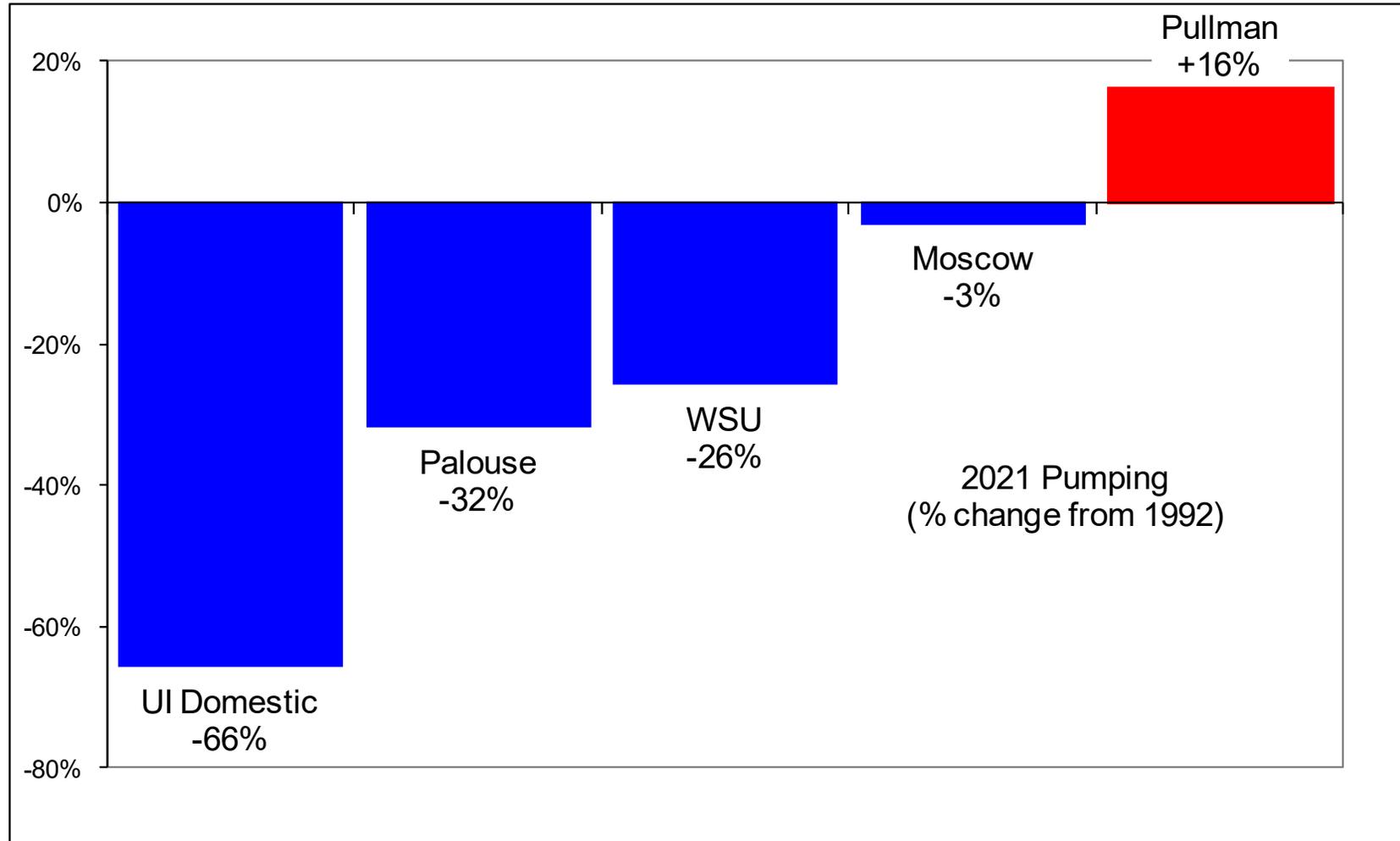
## 2021 Pumping – Change from 2020 by Entity



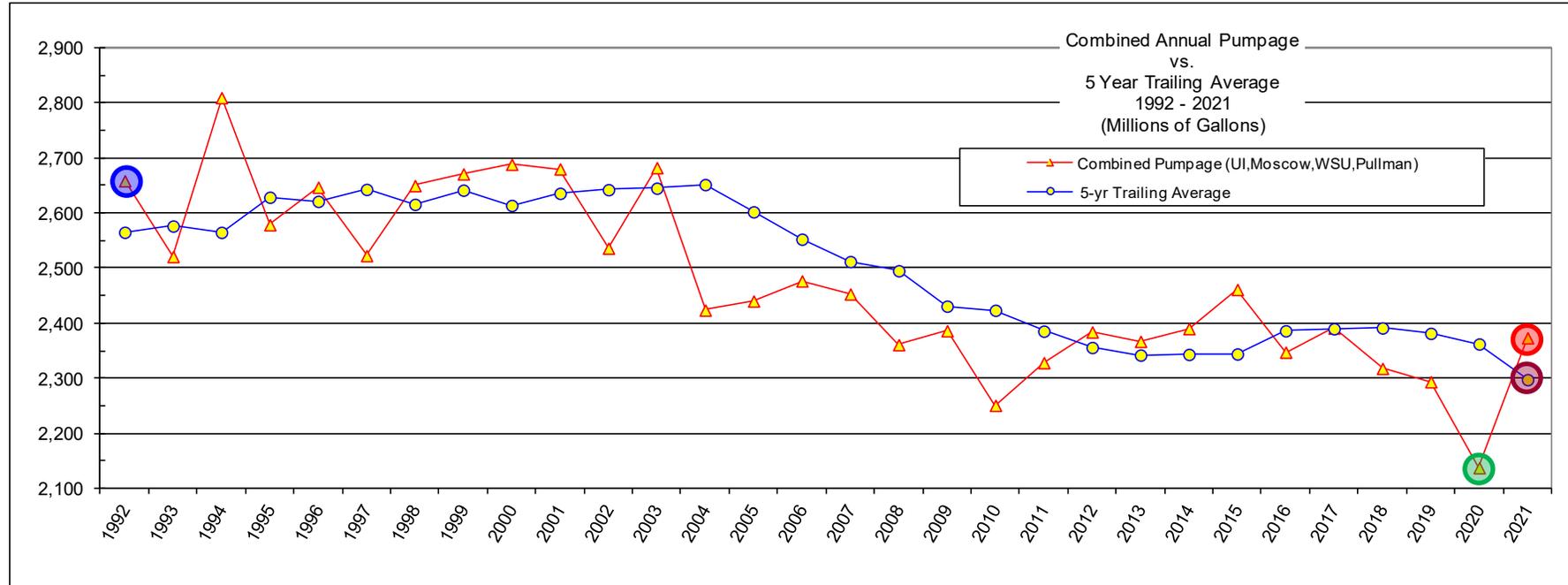
## 2021 Pumping Change from 5-yr Trailing Average by Entity



## 2021 Pumping - Change from 1992 by Entity



# 2021 Pumping

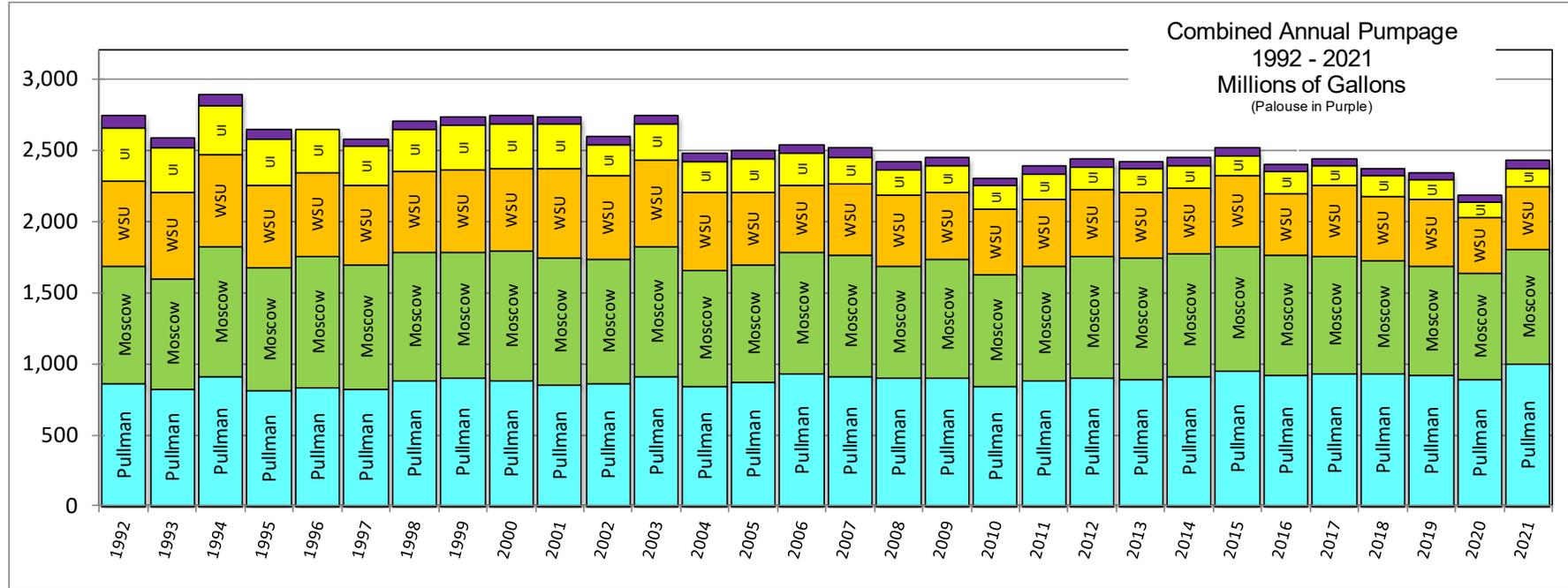


**+ 11.2% from 2020**

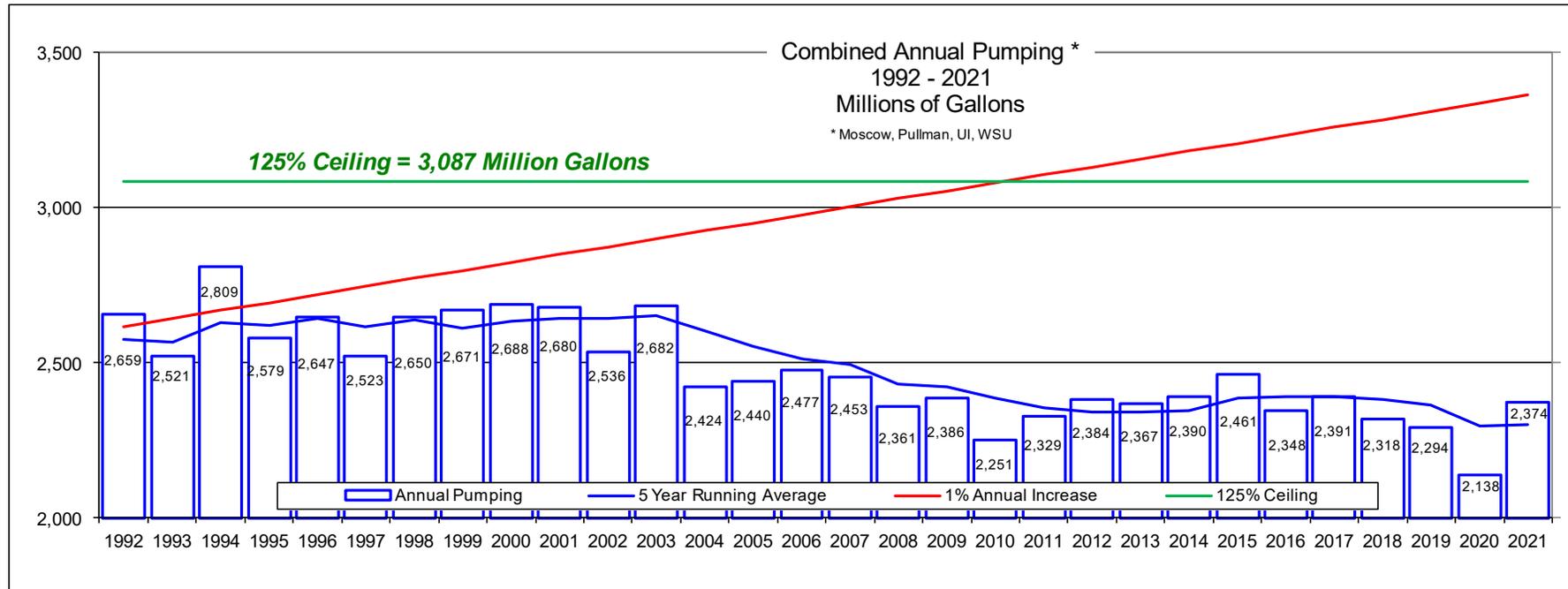
**- 11.4% from 1992**

**+ 3.5% from 5-yr Trailing Average**

# Combined Pumpage 1992 - 2021

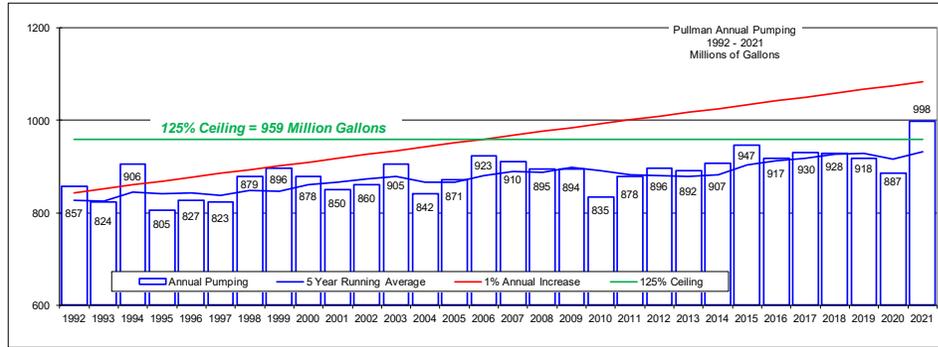


# Aggregate Pumping Targets 1992 - 2021

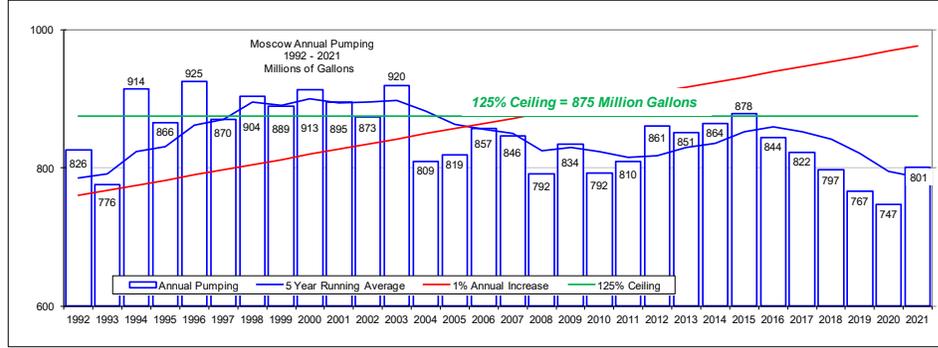


# Individual Entity Targets

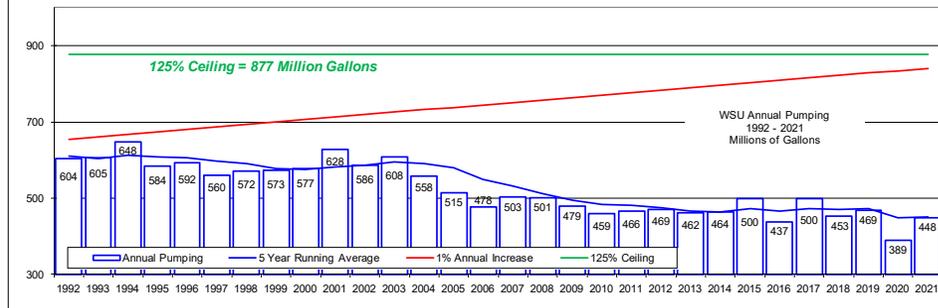
Pullman



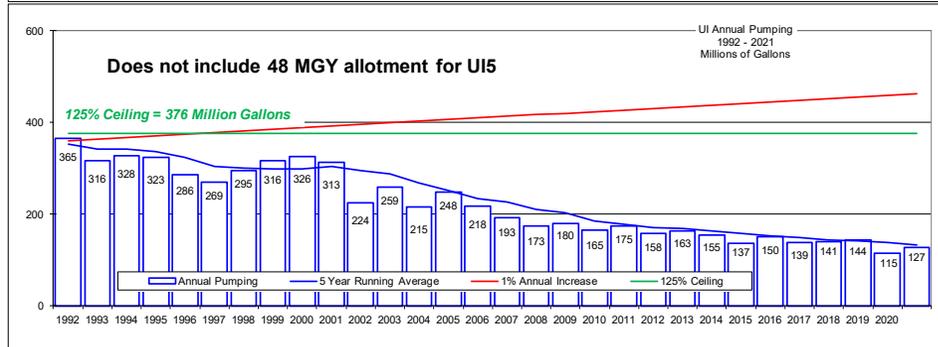
Moscow



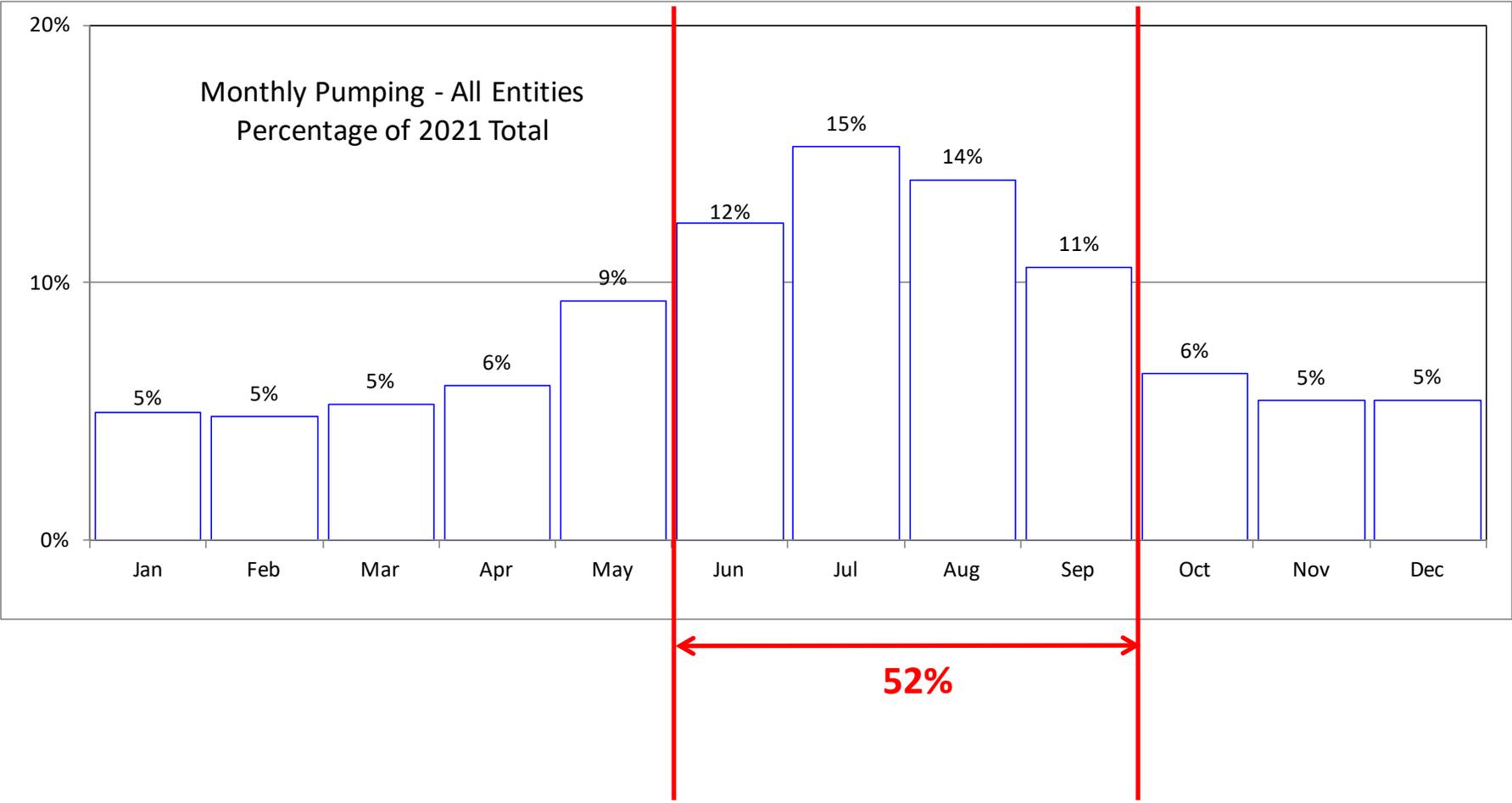
WSU



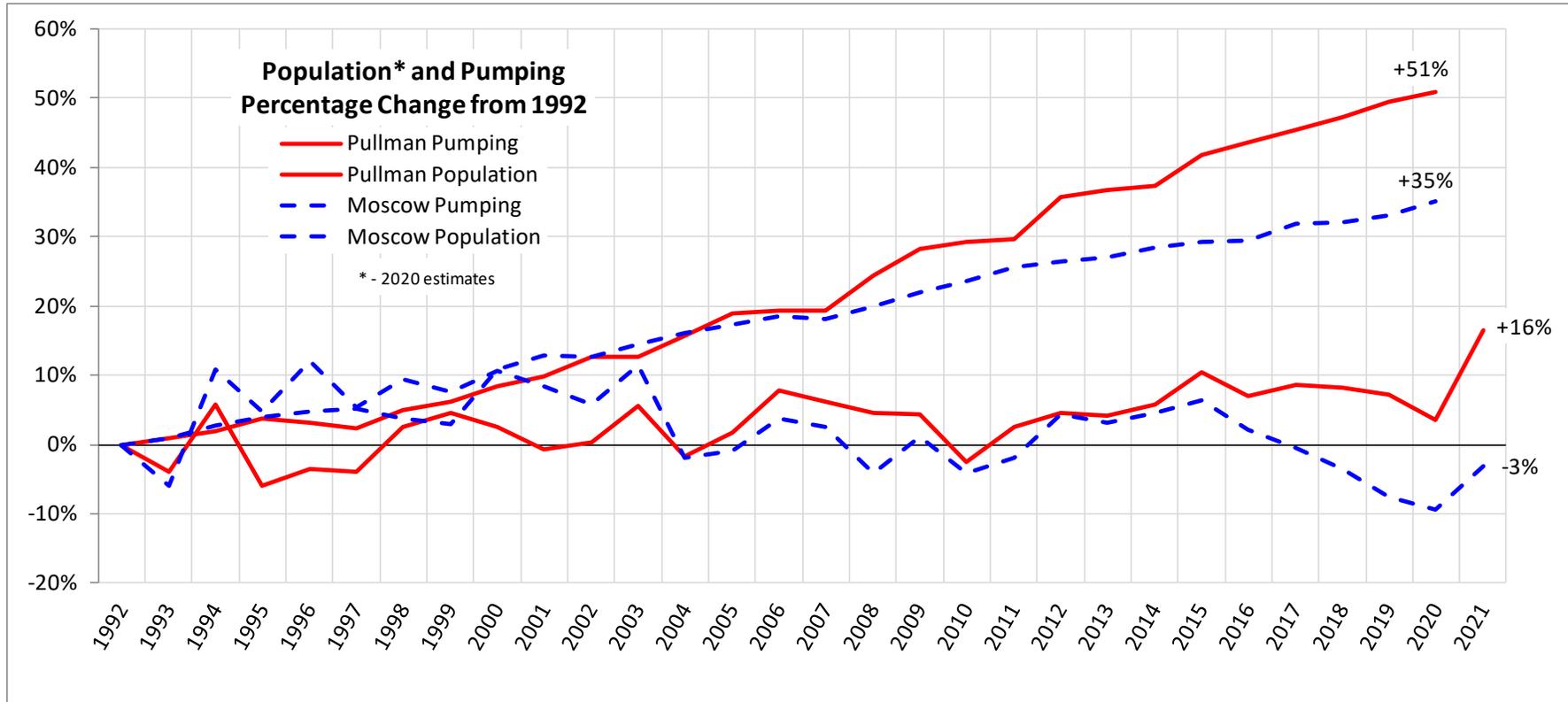
UI



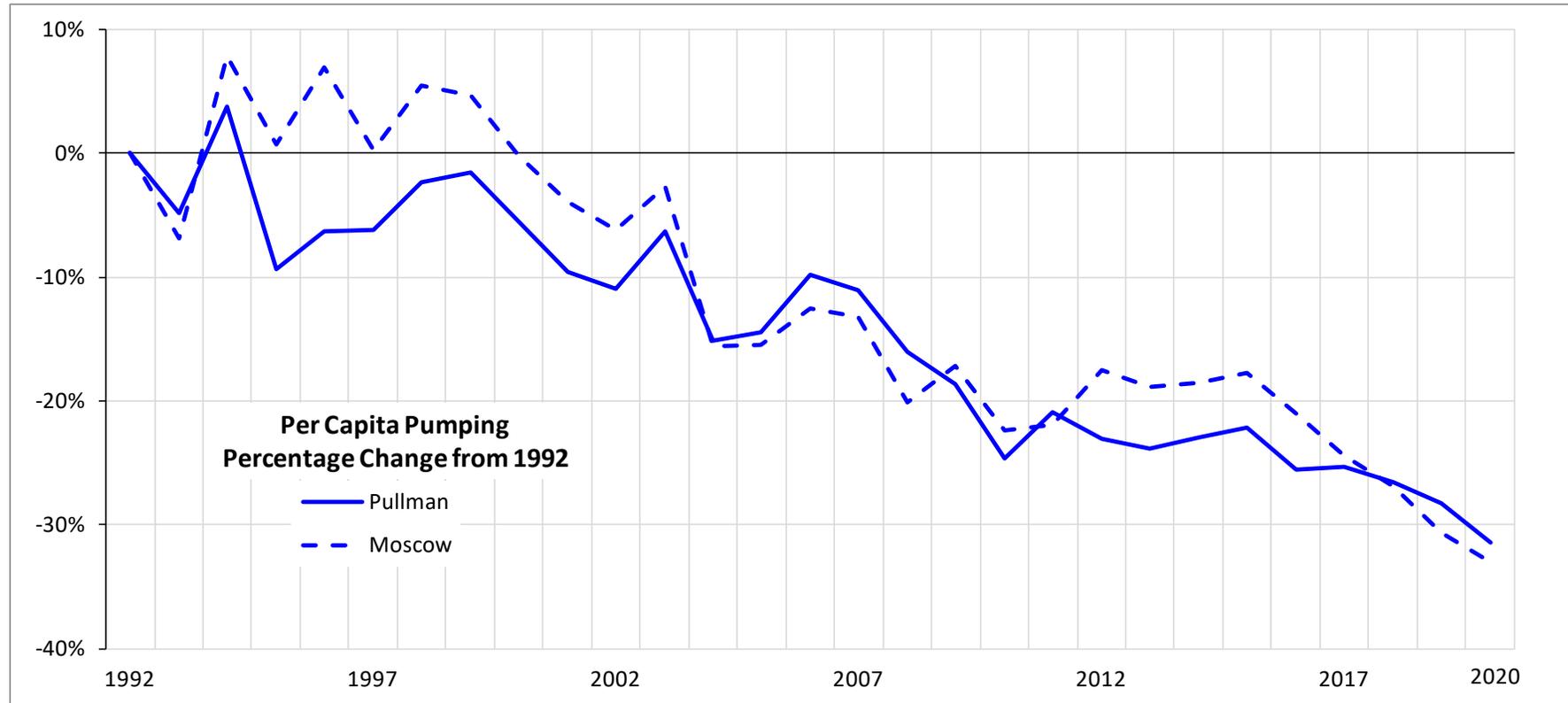
# 2021 Combined Monthly Pumping – Percentage of Annual Total



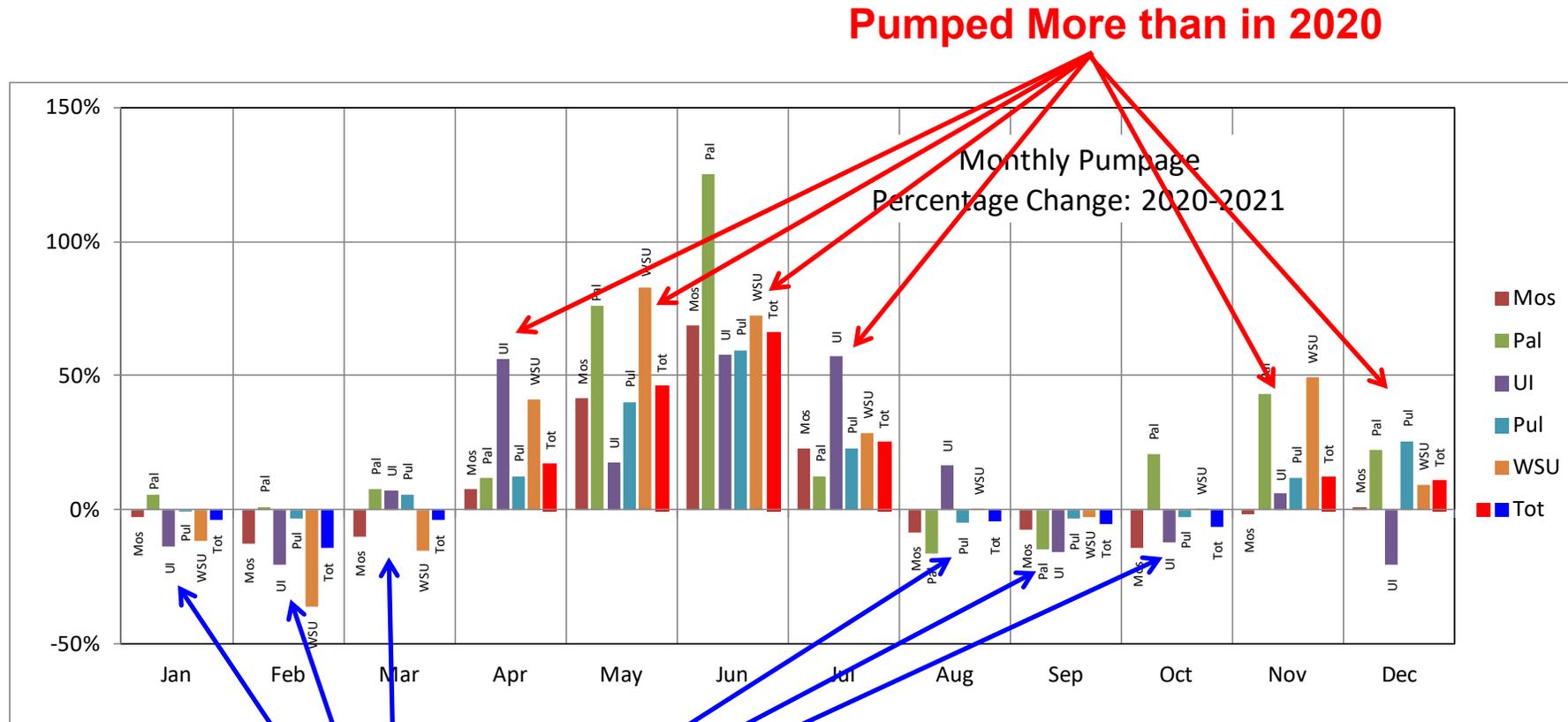
# Pullman, Moscow – Population and Pumping - Change from 1992



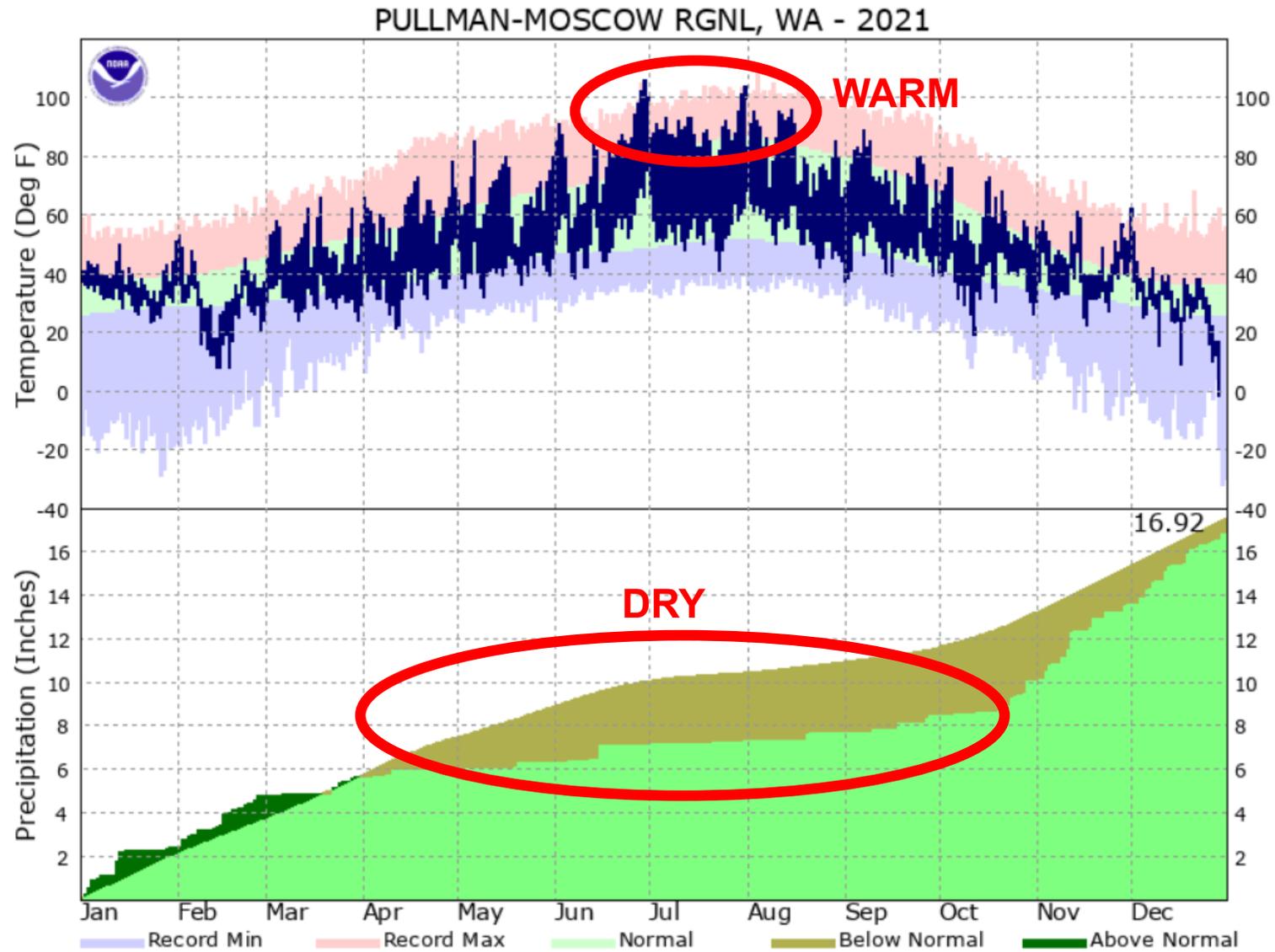
## Pullman, Moscow – Per Capita Pumping - Change from 1992



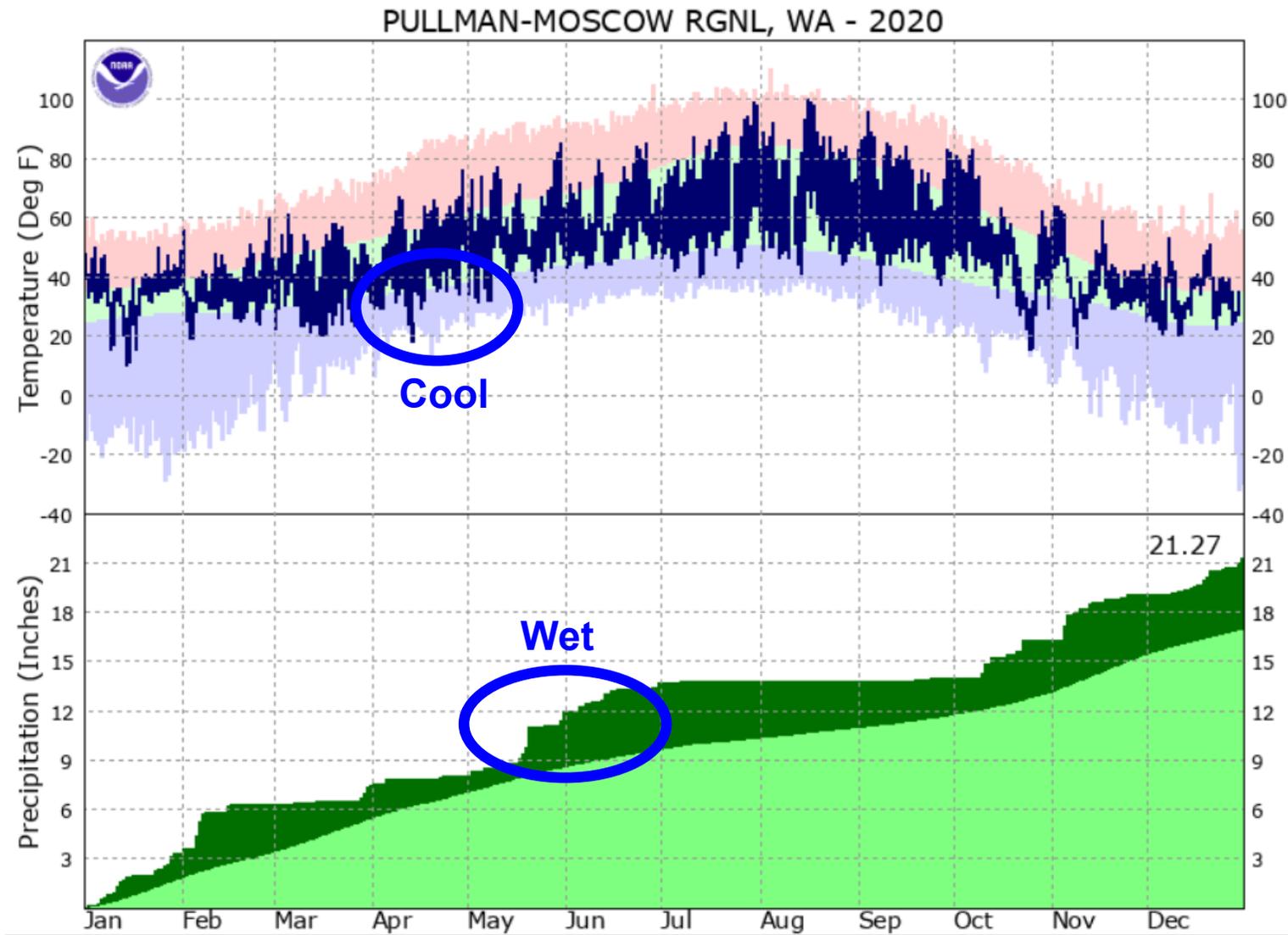
# 2021 Monthly Pumping – Change (by month) from 2020 by Entity



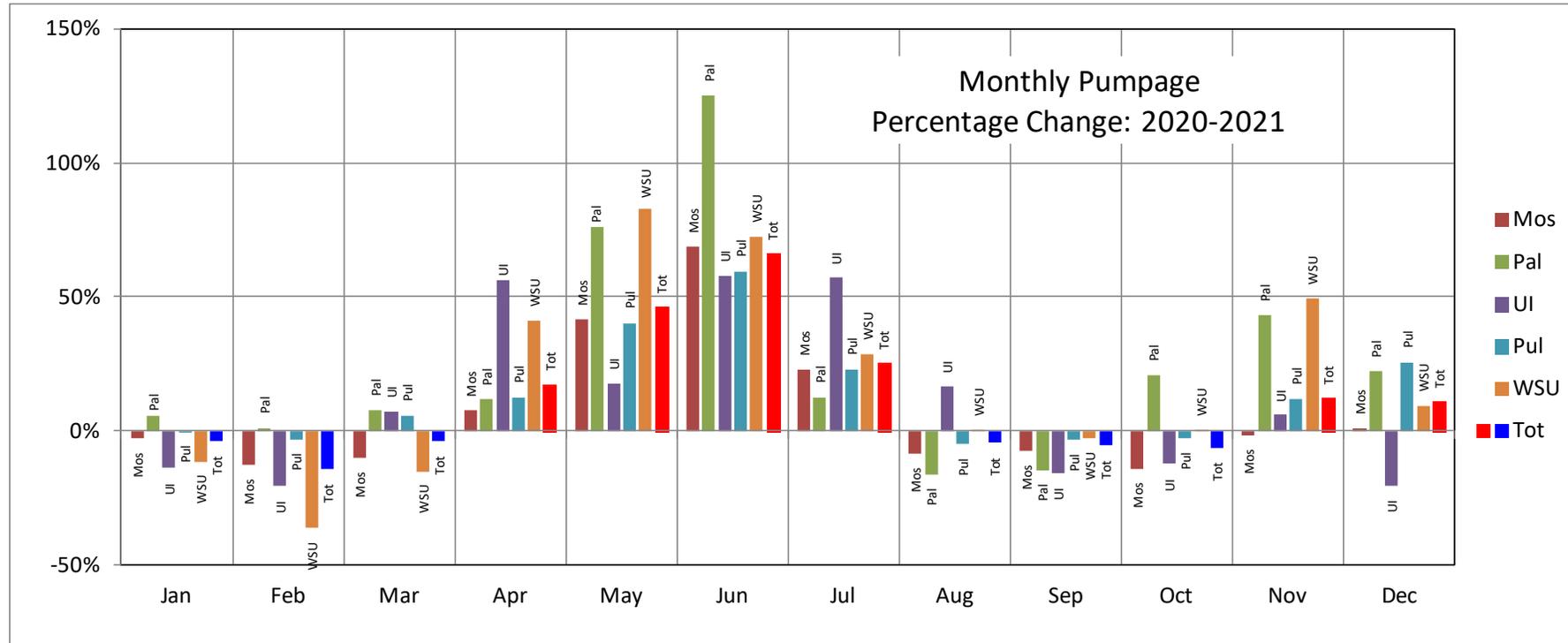
# 2021 Calendar Year Temperature and Precipitation – PUW Airport



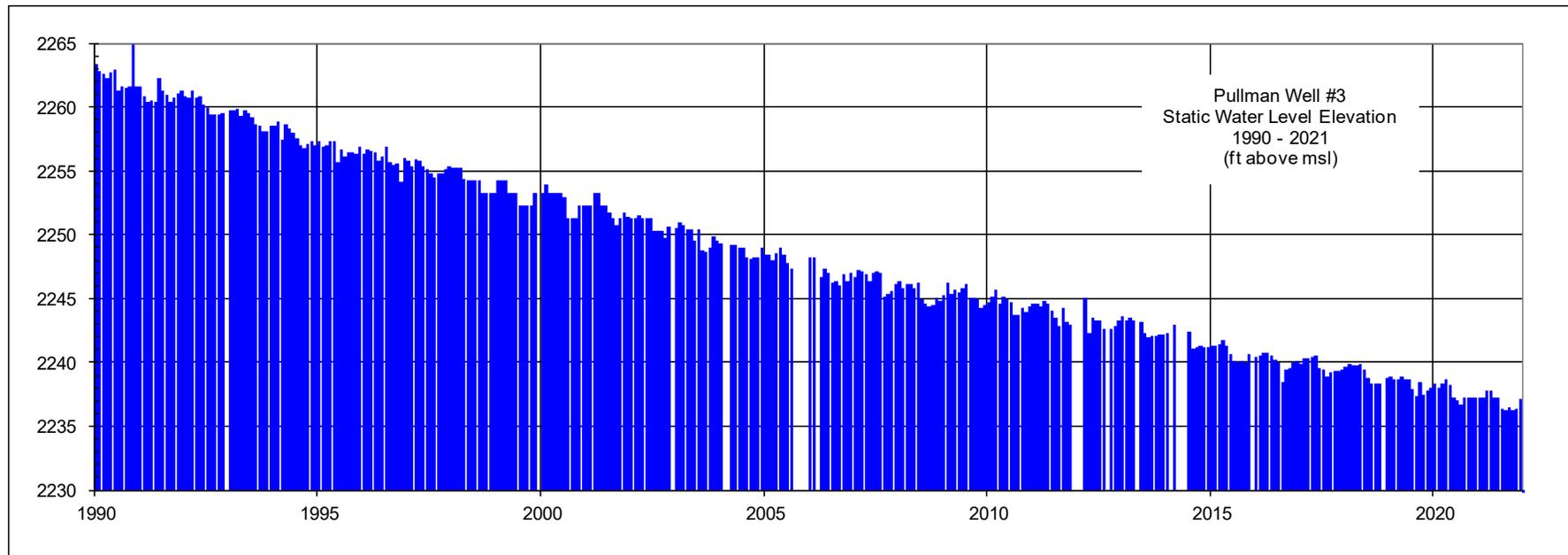
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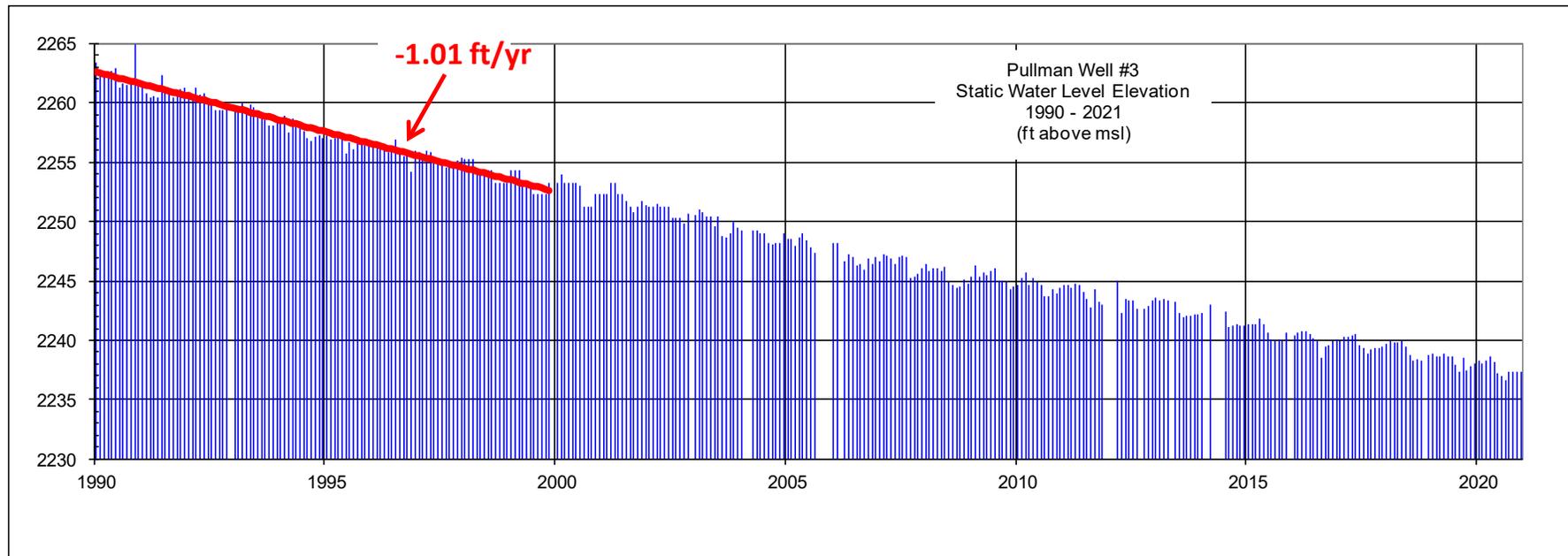
## 2021 Monthly Pumping – Change (by month) from 2020 by Entity



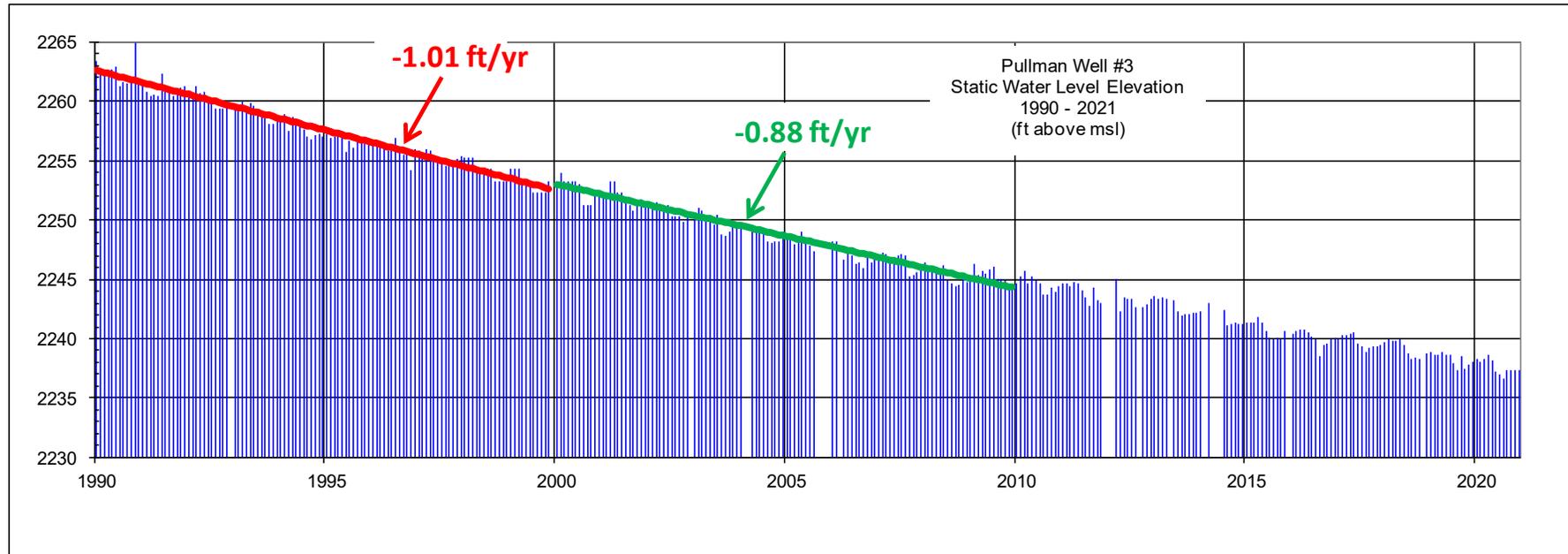
## 2021 Water Levels - Lower Aquifer



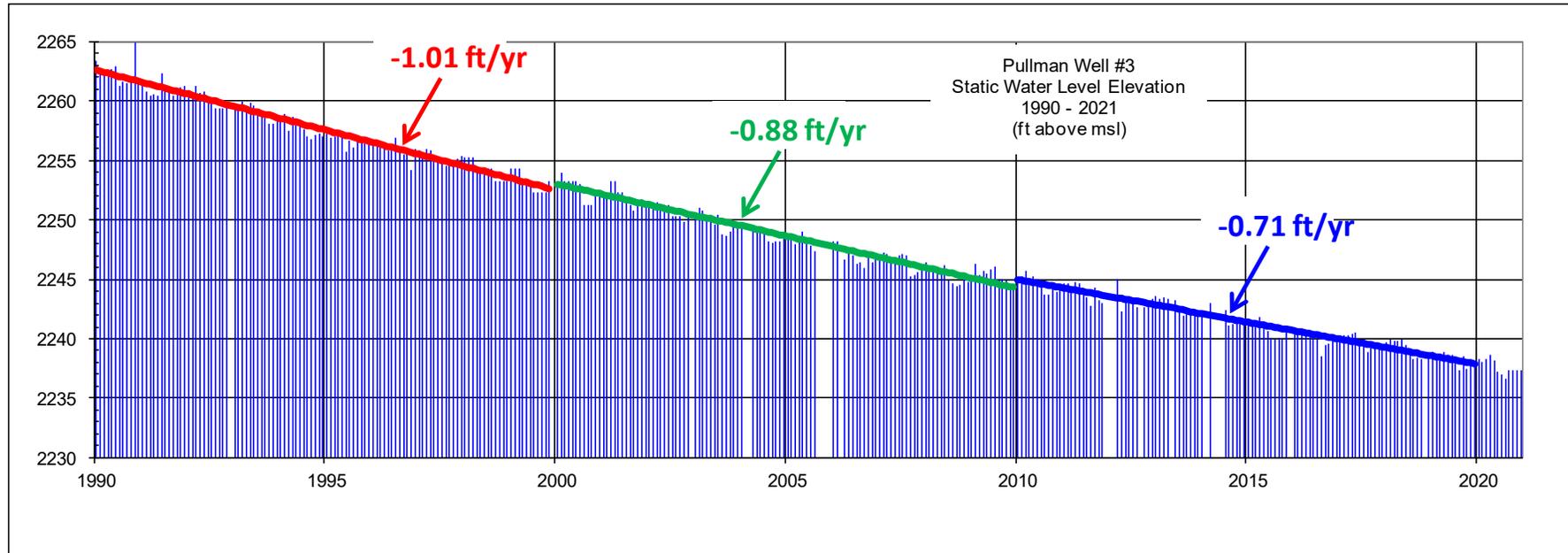
## Lower Aquifer Water Levels



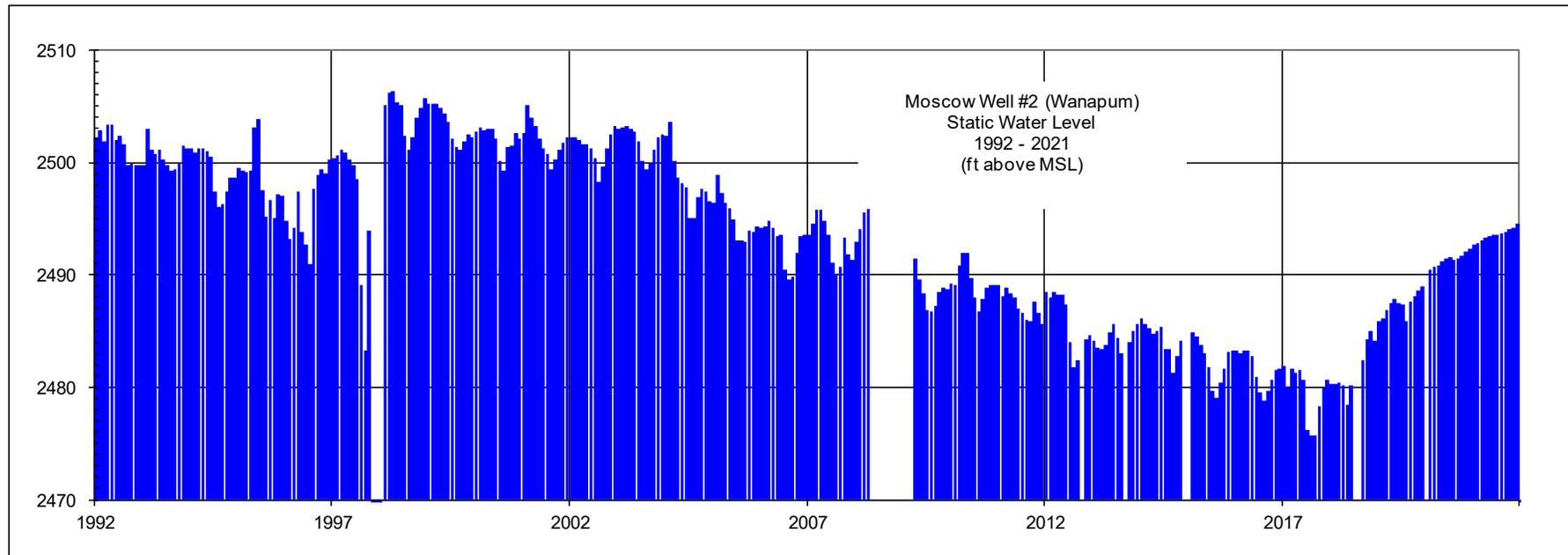
# Lower Aquifer Water Levels



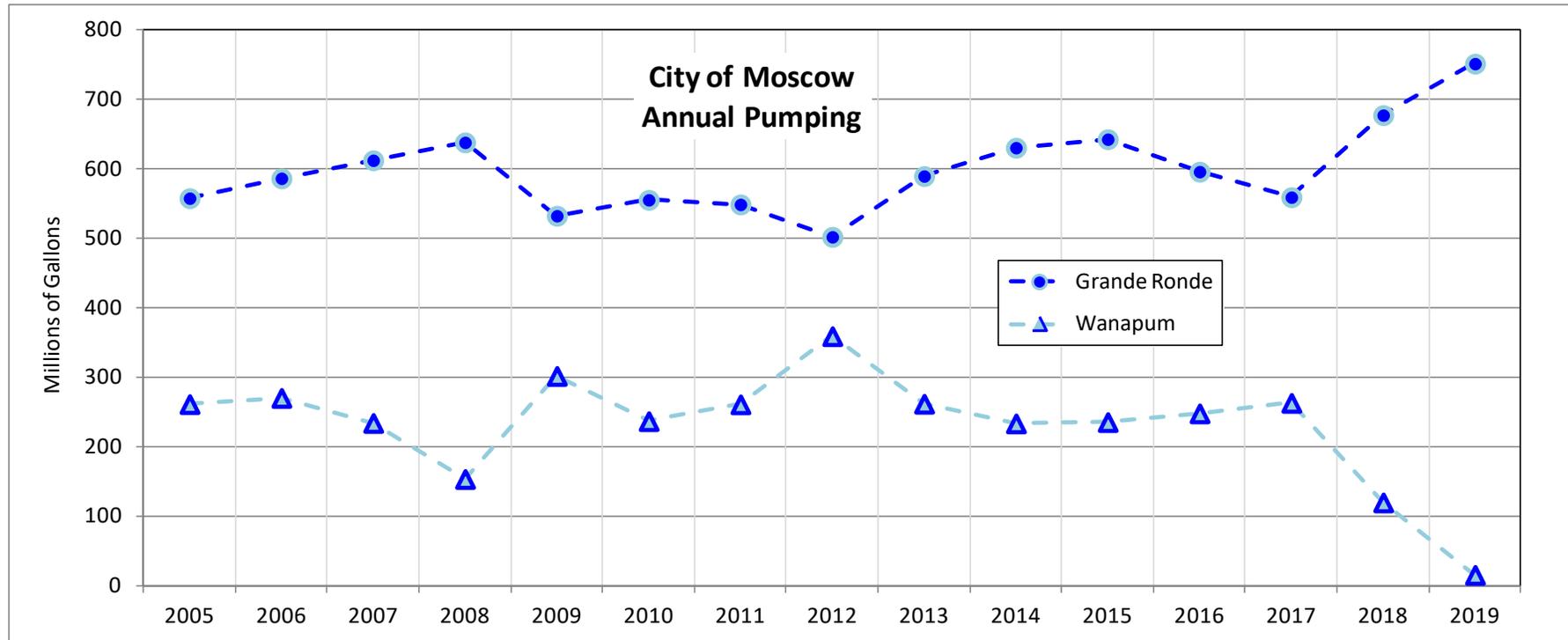
# Lower Aquifer Water Levels



# Upper Aquifer Water Levels



## Moscow Upper vs Lower Aquifer Pumping





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