



# **Conservatism in SB3 Baseline and Spring Discharge Flow Regime**

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General Manager**

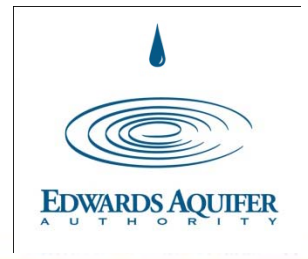
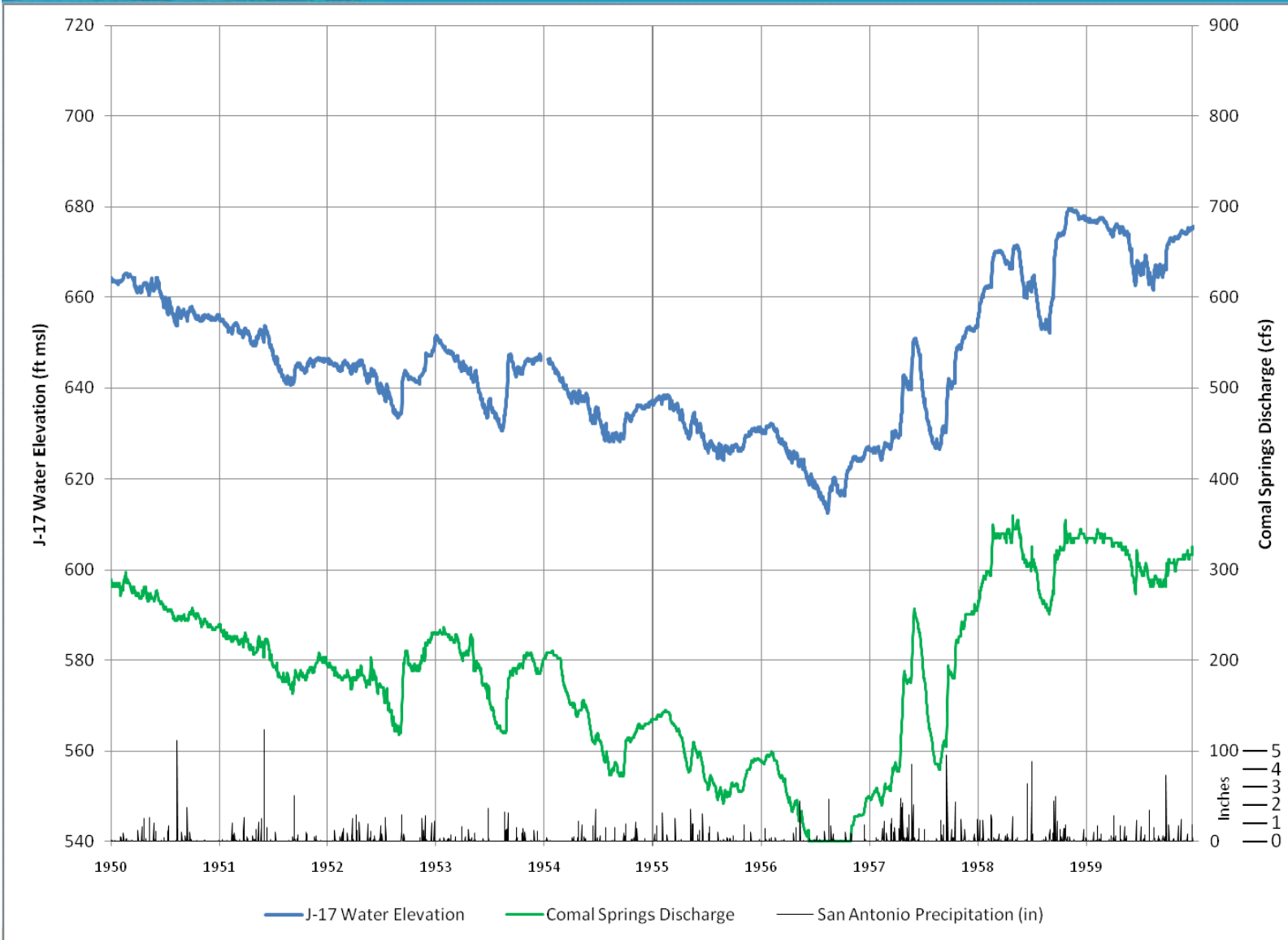
**September 10, 2010  
Schertz, Texas**

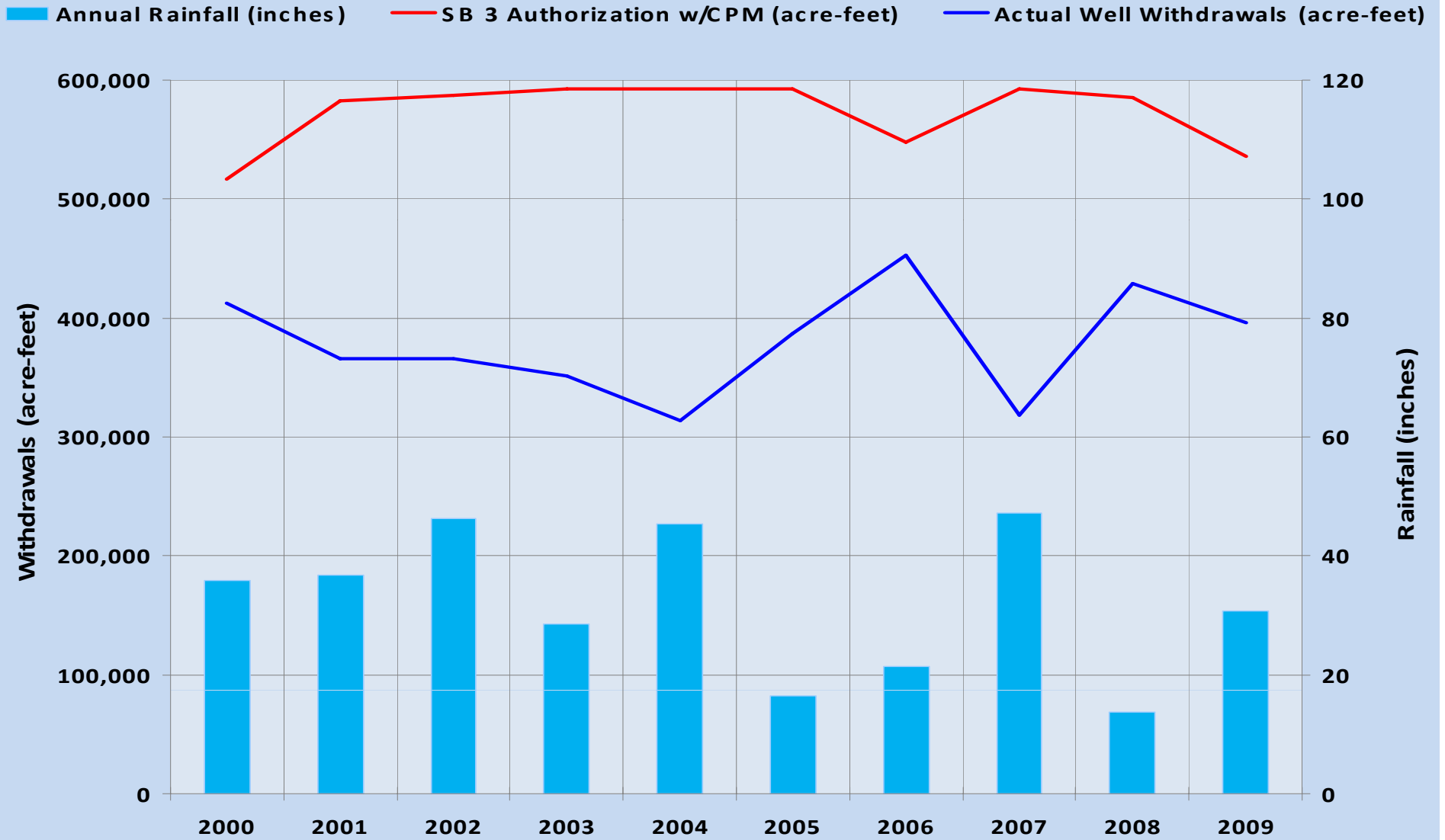


**EDWARDS AQUIFER  
AUTHORITY**



# J-17 Elevations & Comal Spring Discharge 1950 - 1960





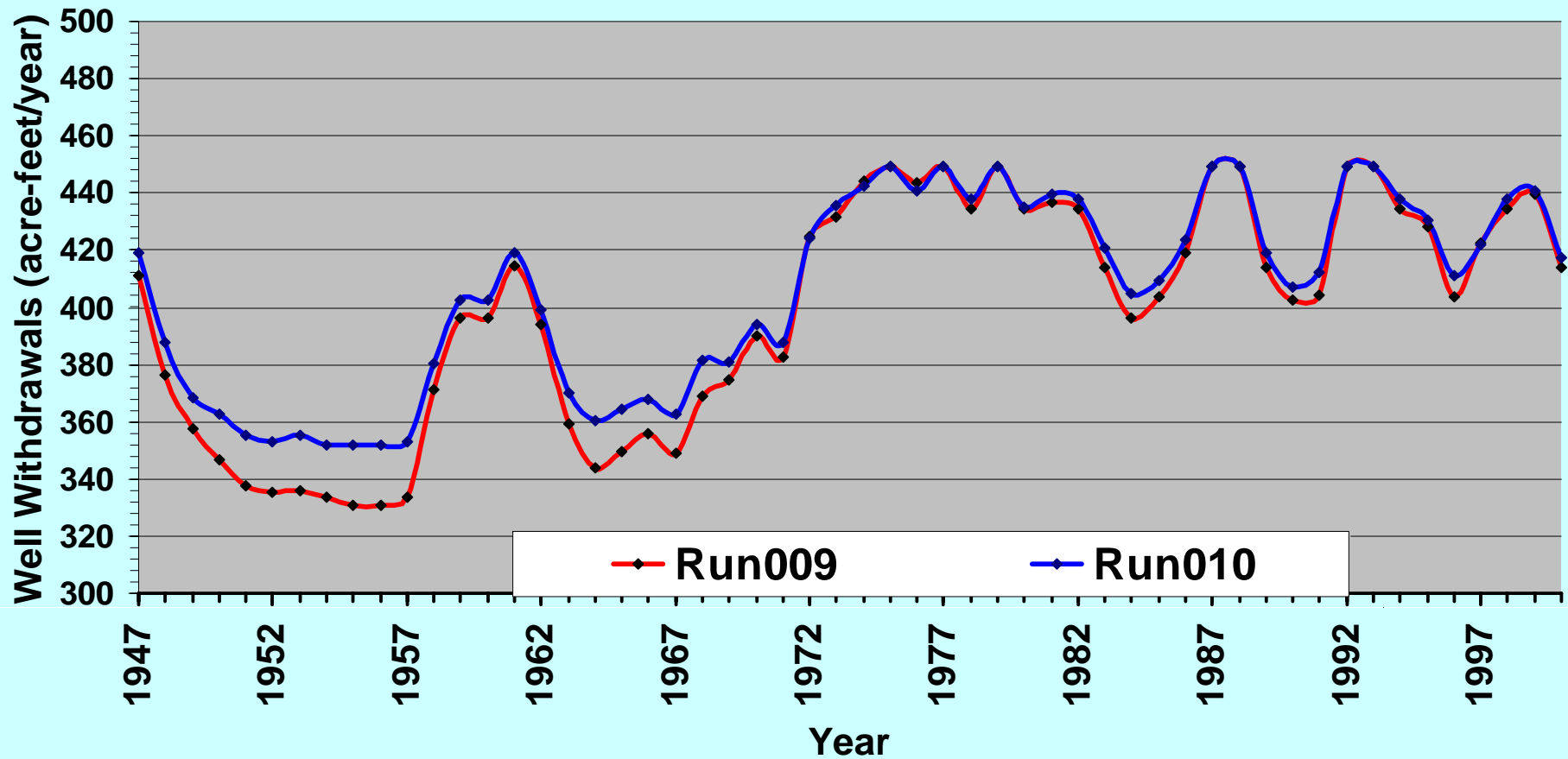


## Stage Reductions Assigned by EARIP (with SB3 Triggers)

Simulation	Run009	Run010
Permitted Withdrawals (Pumping Cap)	437,000 AFY	437,000 AFY
Total Withdrawals (with domestic/livestock)	450,000 AFY	450,000 AFY
San Antonio Pool Stage I Reduction	14%	11%
San Antonio Pool Stage II Reduction	21%	17%
San Antonio Pool Stage III Reduction	24%	20%
San Antonio Pool Stage IV Reduction	28%	23%
Uvalde Pool Stage I Reduction	0%	0%
Uvalde Pool Stage II Reduction	3%	3%
Uvalde Pool Stage III Reduction	14%	11%
Uvalde Pool Stage IV Reduction	24%	20%
Target Minimum Pumping Rate	320,000 AFY	340,000 AFY

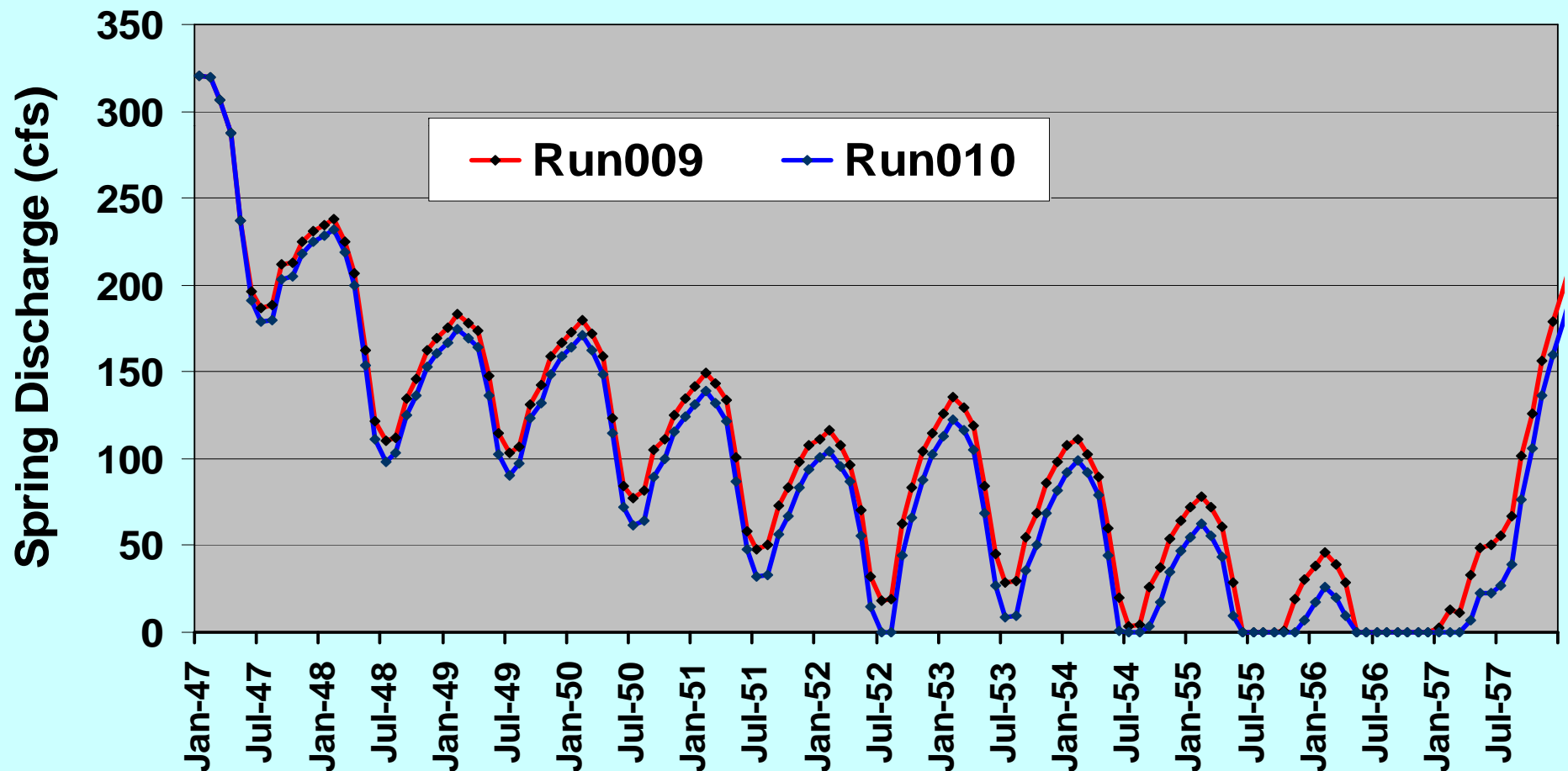


## Run009 and Run010 Simulated Annual Total Well Withdrawals



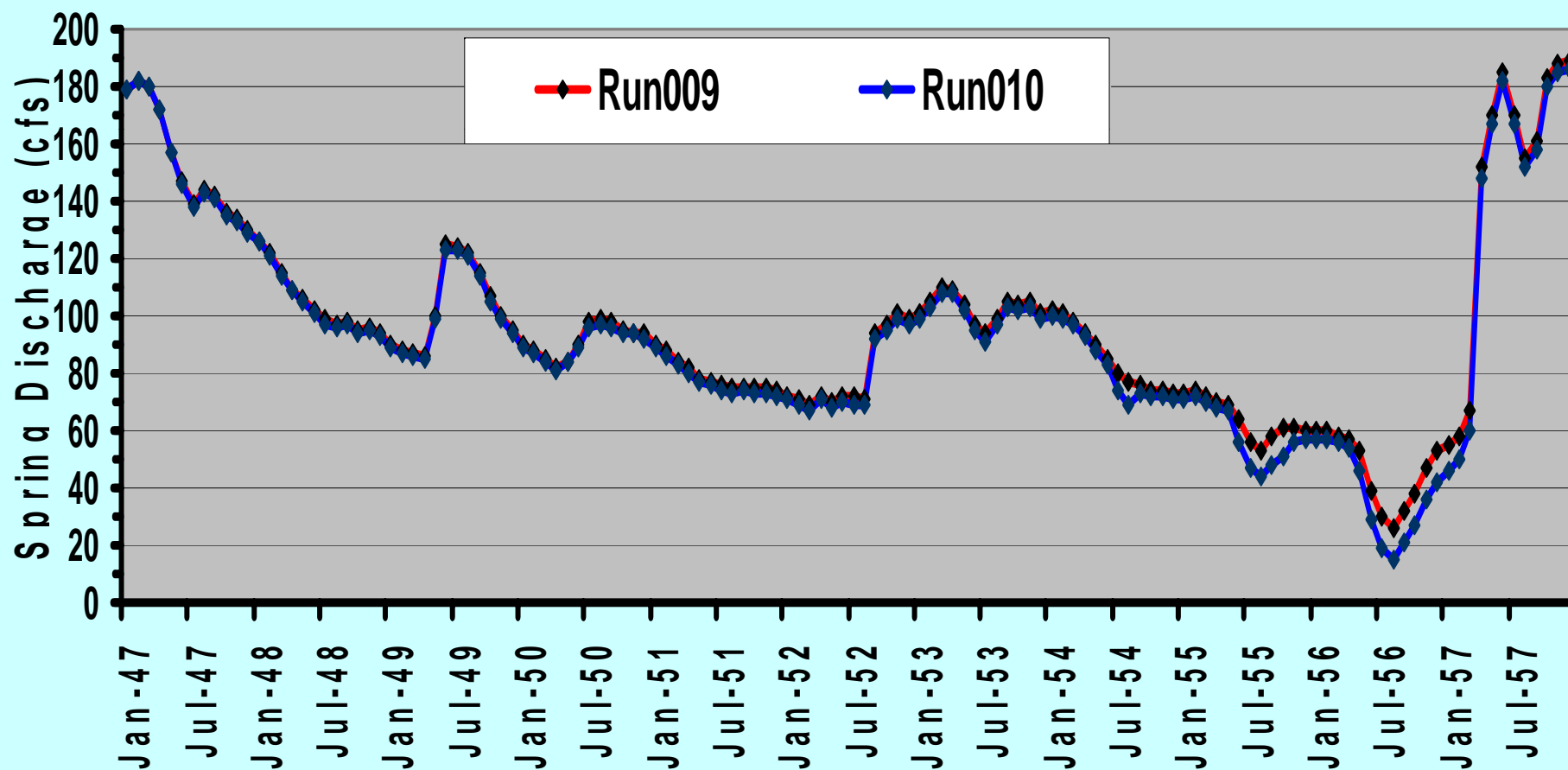


## Run009 and Run010 Simulated Comal Springs Discharge (1947-1957)





## Run009 and Run010 Simulated San Marcos Springs Discharge (1947-1957)





## Simulation Results

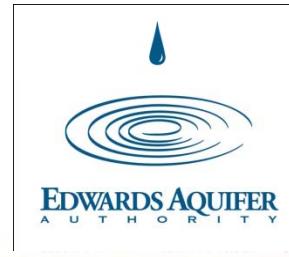
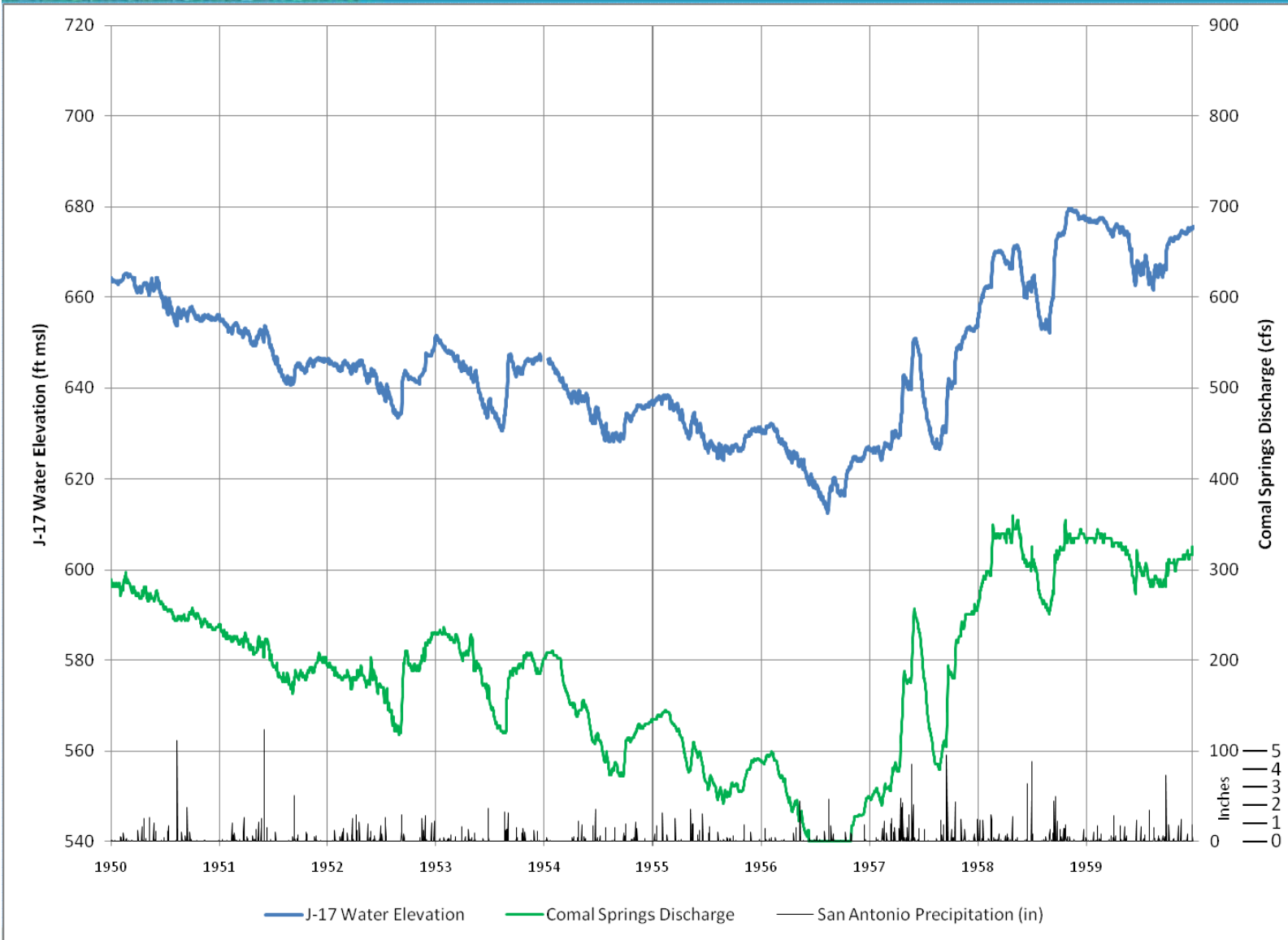
	Run009	Run010
<b>Minimum Total Annual Pumping (AFY)</b>	<b>330.9</b>	<b>351.7</b>
<b>Comal Springs - Total Months Springs Dry (month)</b>	<b>12</b>	<b>21</b>
<b>San Marcos Springs - Minimum Flow (cfs)</b>	<b>26.2</b>	<b>15.2</b>
<b>San Marcos Springs - Total Months Below 52 cfs (month)</b>	<b>6</b>	<b>14</b>







# J-17 Elevations & Comal Spring Discharge 1950 - 1960





# J-17 Elevations & Comal Spring Discharge 2000 - 2010

