



# **TODAY'S ACTION**

Consider Recommending that the Board of Directors  
Adopts a Release Schedule for Nacimiento and  
San Antonio Reservoirs for 2019





# Financial Impact

- None



# Committee Action

- None



# Discussion

- Reservoir storage allowed operation of the Salinas River Diversion Facility (SRDF) from 2010 through 2013
- Five years of drought conditions and emergency repairs resulted in low reservoir level conditions and the inability to operate the SRDF from the 2014 through 2016 seasons
- Conditions changed significantly in the 2016-2017 winter increasing reservoir levels that allowed the operation of the SRDF in 2017
- Reservoir inflow experienced in the last 2 winters has allowed a complete SRDF operational season last year and again this year

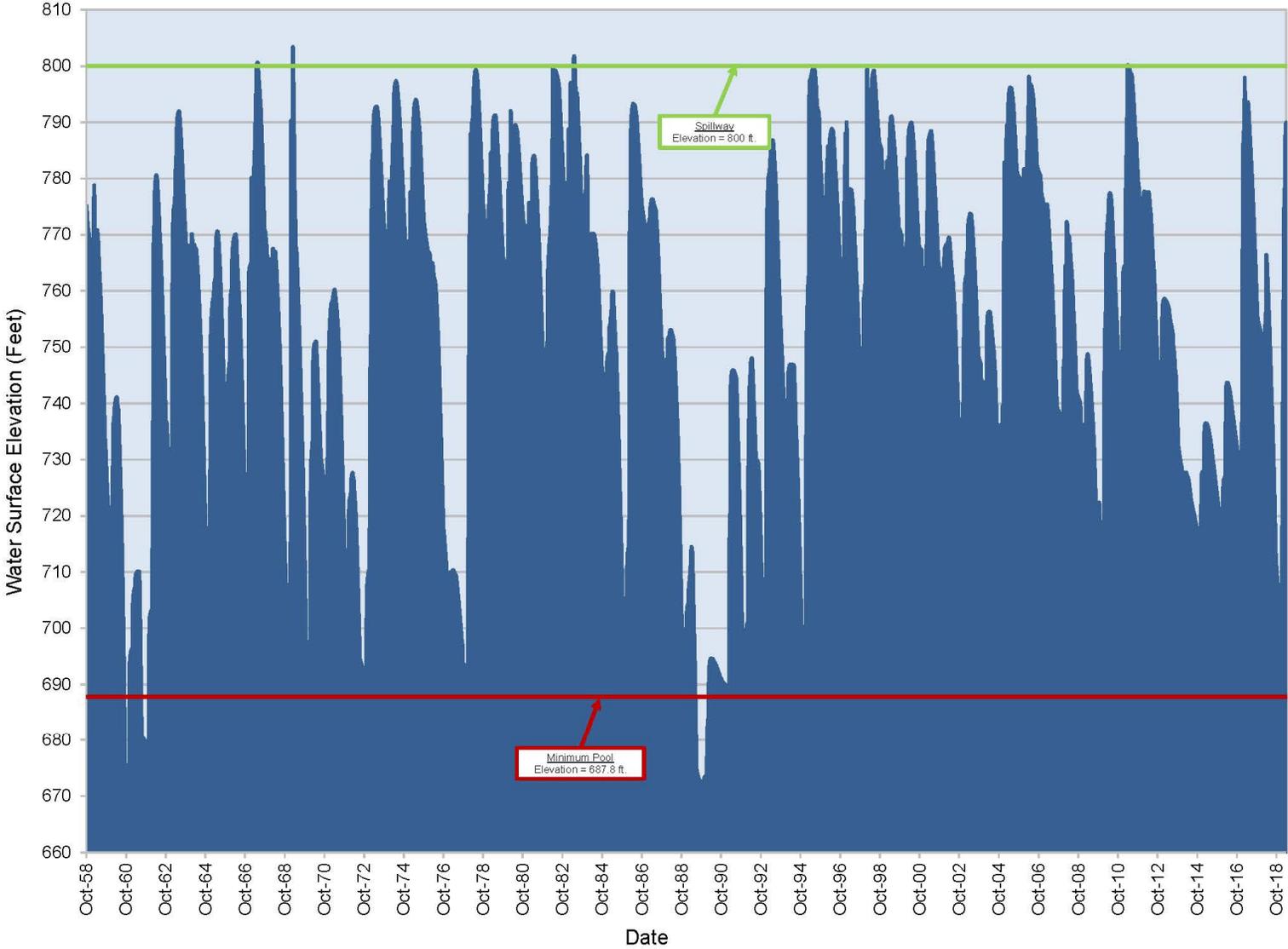
# Discussion (cont.)

Winter	Nacimiento Net Inflow (ac-ft)	San Antonio Net Inflow (ac-ft)
2012-2013	56,252	19,882
2013-2014	7,500	195
2014-2015	50,513	5,122
2015-2016	68,700	14,500
2016-2017	245,000	159,000
2017-2018	60,000	11,000
2018-2019	284,000	90,000



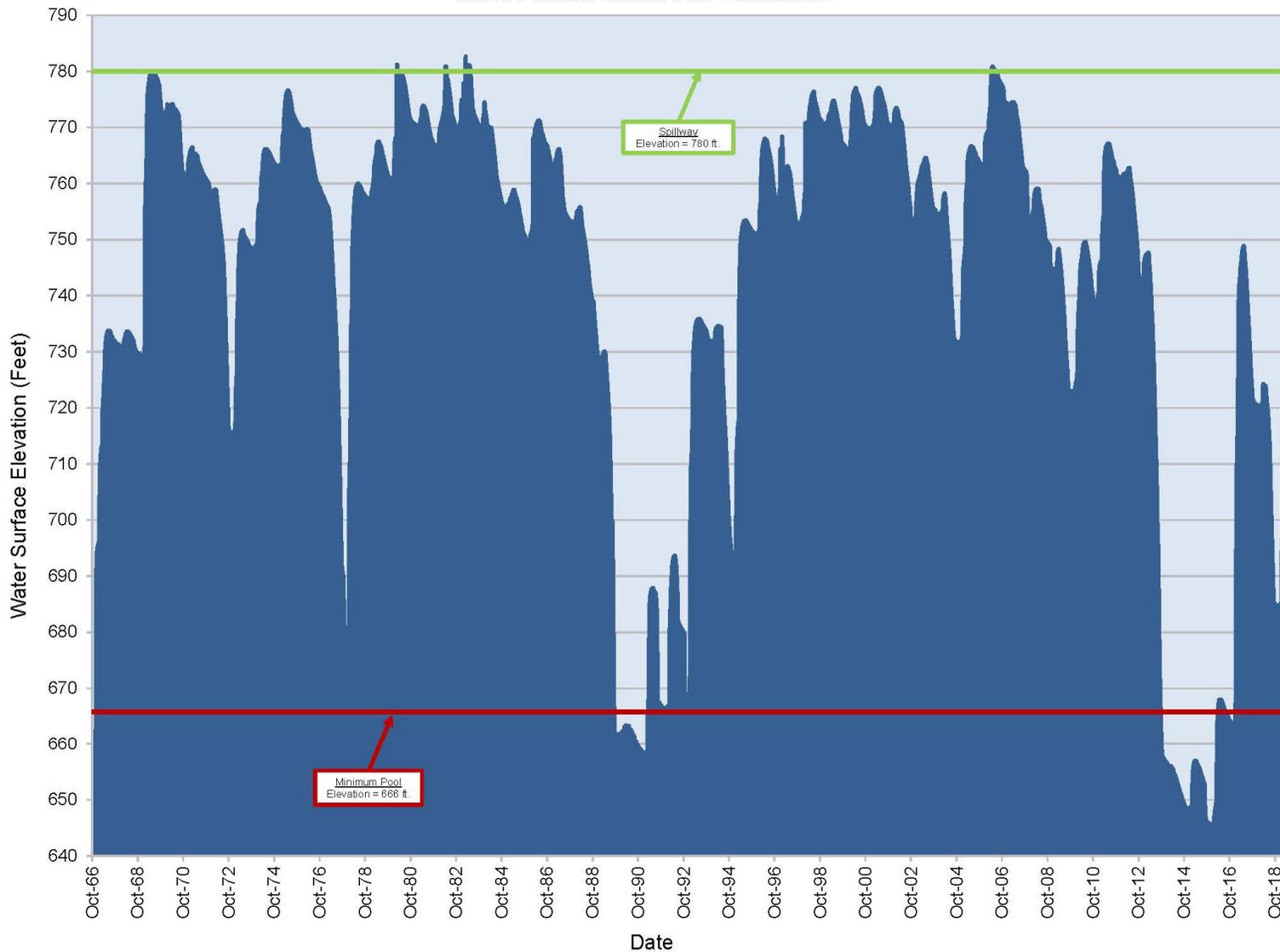


### Nacimiento Reservoir Elevation





### San Antonio Reservoir Elevation





## Discussion (cont.)

- Current Reservoir Conditions (3/28/19):

	Nacimiento	San Antonio
Percentage of Capacity	86%	39%
Elevation (ft.)	790.25	730.6
Storage (ac-ft)	324,375	132,110
Releases (cfs)	60	10





## Discussion (cont.)

- Environmental Compliance Releases this year:
  - Minimum flow releases for spawning and rearing habitat below both dams
  - Nacimiento Reservoir releases to ensure sufficient flow for adult steelhead migration were initiated on March 25<sup>th</sup> and reduced back to minimum flows on March 27<sup>rd</sup>
  - Starting April 1<sup>st</sup>, the Agency will provide 45 cfs to the lagoon for 10 days, then 15 cfs to the lagoon through June 30<sup>th</sup>, then 2 cfs as long as the SRDF is operating or during conservation releases





## Discussion (cont.)

- Recreational considerations:
  - Equalization of reservoir level rate of decline for the Fourth of July and Labor Day weekends
  - Nacimiento Reservoir elevation above the 730' target elevation by Labor Day weekend
  - San Antonio Reservoir low rate of decline to provide bass spawn benefits from April through June



## Discussion (cont.)

- Proposed Reservoir Release Schedule for 2019:
  - Consistent with Salinas Valley Water Project National Marine Fisheries Service Biological Opinion (BO) and water rights held by the Agency.
  
  - Provides releases to recharge the groundwater basin (conservation releases) and to operate the SRDF for a complete season



## Proposed Reservoir Release Schedule for 2019

Month	Combined Releases (cfs)	Nacimiento Releases (cfs)	San Antonio Releases (cfs)	Nacimiento Elevation (ft)	San Antonio Elevation (ft)
Jan	70	60	10	704.4	684.6
Feb	78	68	10	740.8	697.0
Mar	79	69	10	777.9	722.5
Apr	298	288	10	790.1	730.5
May	555	545	10	786.3	730.0
Jun	625	615	10	778.6	729.3
Jul	690	458	232	769.4	728.5
Aug	726	424	302	761.2	722.4
Sep	664	385	279	752.9	713.9
Oct	70	60	10	744.9	704.9
Nov	70	60	10	742.7	704.2
Dec	70	60	10	741.0	703.6
Jan				739.5	703.2





## Proposed Annual Release Totals for 2019

Releases	Annual (acre-feet)	Maximum Allowed (acre-feet)
Nacimiento Conservation	143,591	180,000
Nacimiento Total <sup>1</sup>	187,030	
San Antonio Conservation	47,634	210,000
San Antonio Total <sup>1</sup>	54,874	

<sup>1</sup> Includes minimum releases for spawning and rearing habitat below the dam





# TODAY'S ACTION

Recommend that the Board of Directors Adopts a  
Release Schedule for  
Nacimiento and San Antonio Reservoirs for 2019

