

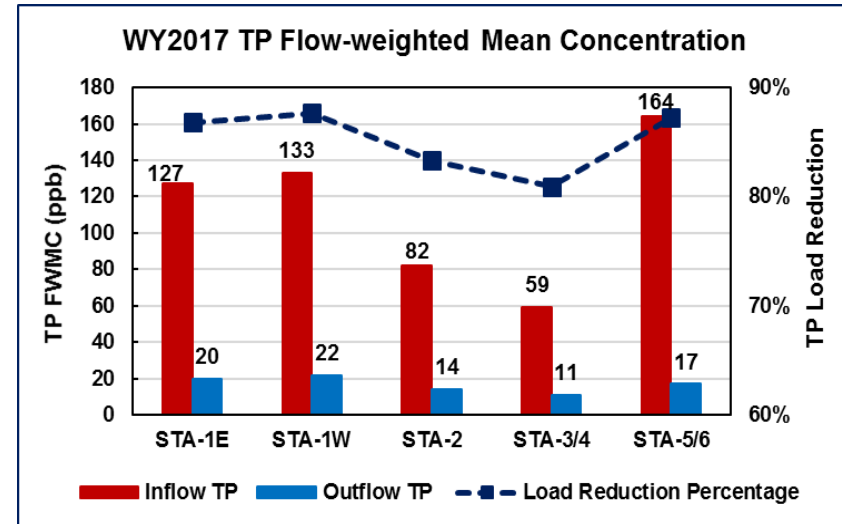
Long-Term Plan Communications Meeting
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**Everglades Stormwater
Treatment Areas
WY2017 Performance
(Preliminary)**

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Overall STA Performance Highlights

Parameter		WY2017*	WY2016
Total inflow volume (ac-ft)		~1.1 Million	~1.4 Million
Flows from Lake Okeechobee (% of total inflow)		22%	13%
Annual TP concentration (ppb)	Inflow	61 - 164	103-229
	Outflow	11 - 22	12-36
	Reduction	85%	85%
Annual TP load (metric tons)	Inflow	129	234
	Outflow	20	33
	Reduction	85 %	86%



- **Presentation includes preliminary data*
- *Concentrations are flow-weighted mean (FWMC) values*

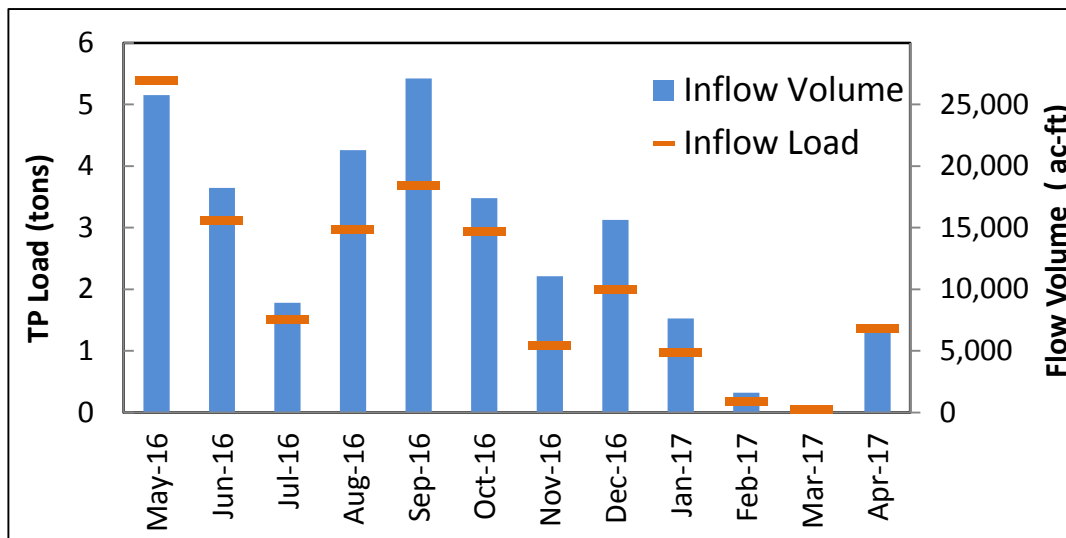
STA-1E WY2017 Operational Highlights

Total Inflow volume	161,733 ac-ft
From Lake releases	49,600 ac-ft (31% of total inflow)
Inflow TP load	25.3 metric tons
Outflow TP load	3.3 metric tons
TP load removal	87%
365-day PLR*	1.3 g/m ² /yr

Vegetation enhancements in Cells 5 and 7

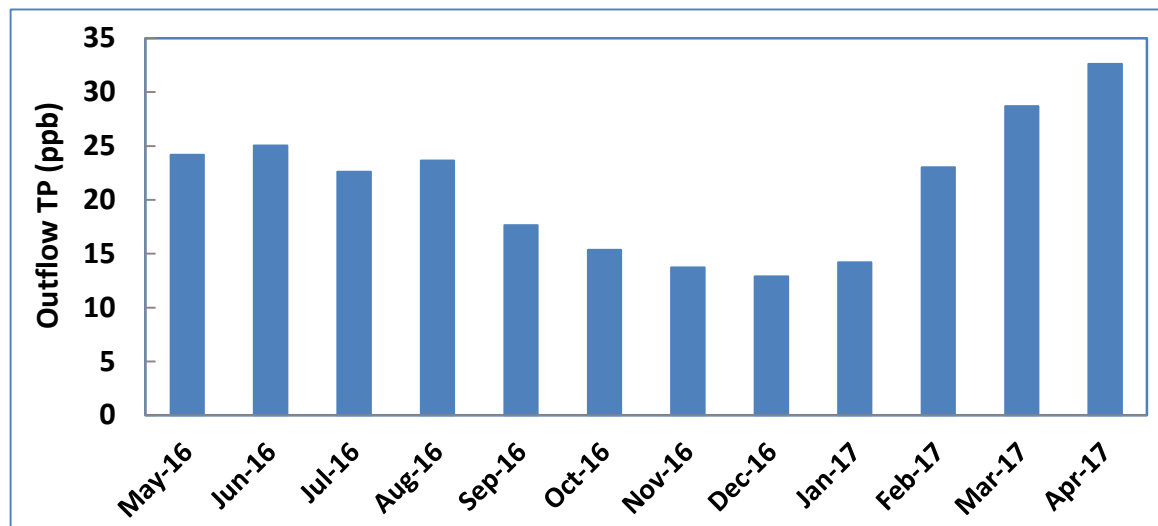


*PLR = Phosphorus loading rate



STA-1E Monthly & Annual Performance

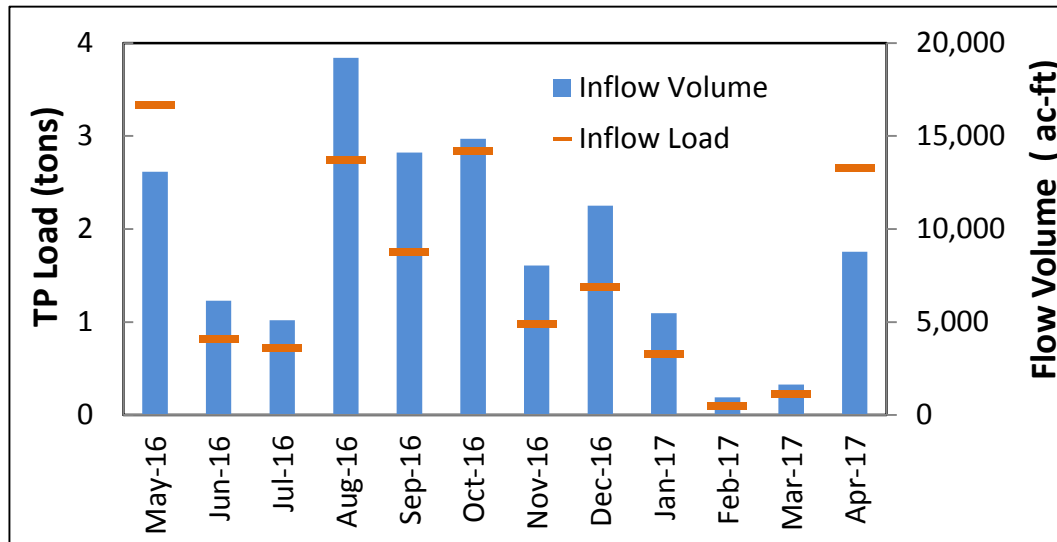
Time period	TP Concentration, ppb	
	Inflow	Outflow
Monthly (WY2017)	76-170	13-33
WY2017 Annual	127	20
WY2016 Annual	162	19
WY 2006 - 2016	143	34



STA-1W WY2017 Operational Highlights

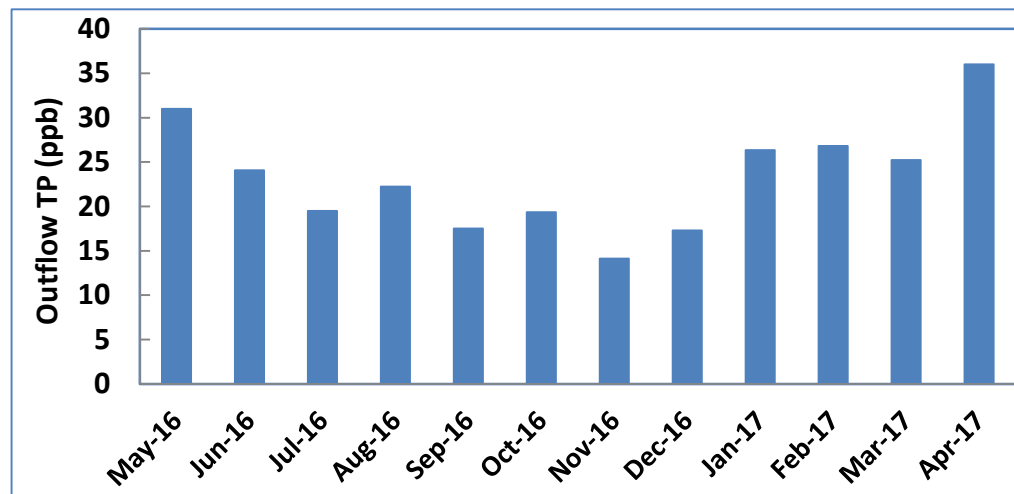
Total Inflow volume	108,600 ac-ft
From Lake releases	31,400 ac-ft (29% of total inflow)
Inflow TP load	18.2 metric tons
Outflow TP load	2.8 metric tons
% TP load removal	84%
365-day PLR	0.7 g/m ² /yr

Cell 1A Vegetation Rehabilitation



STA-1W Monthly & Annual Performance

Time period	TP Concentration, ppb	
	Inflow	Outflow
Monthly (WY2017)	86 - 246	14 - 36
WY2017 Annual	136	23
WY2016 Annual	196	36
WY1996 - 2016	168	46

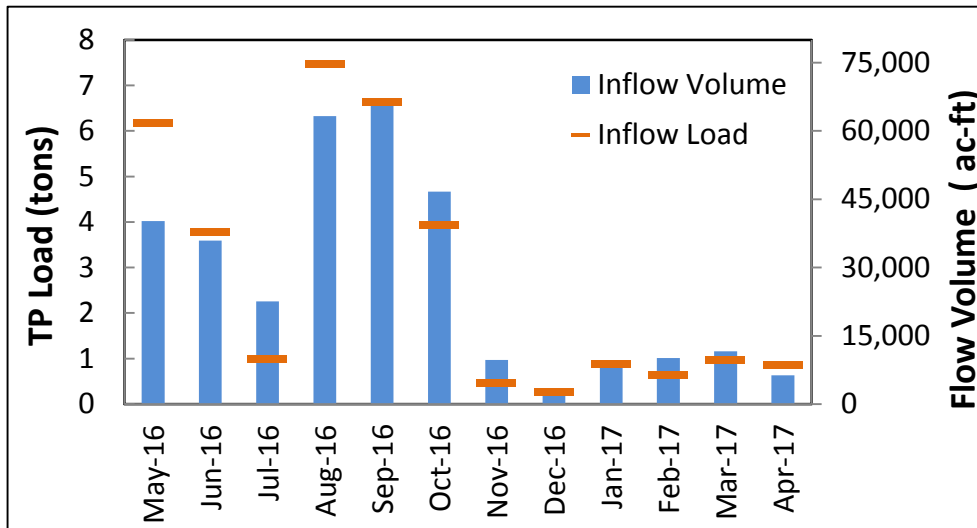


- All concentrations are flow-weighted mean values.

STA-2 WY2017 Operational Highlights

Total Inflow volume	324,628 ac-ft
From Lake releases	34,200 ac-ft (11% of total inflow)
Inflow TP load	33.0 metric tons
Outflow TP load	5.5 metric tons
% TP load removal	83%
365-day PLR	0.5 g/m ² /yr

Cell 3 vegetation strips

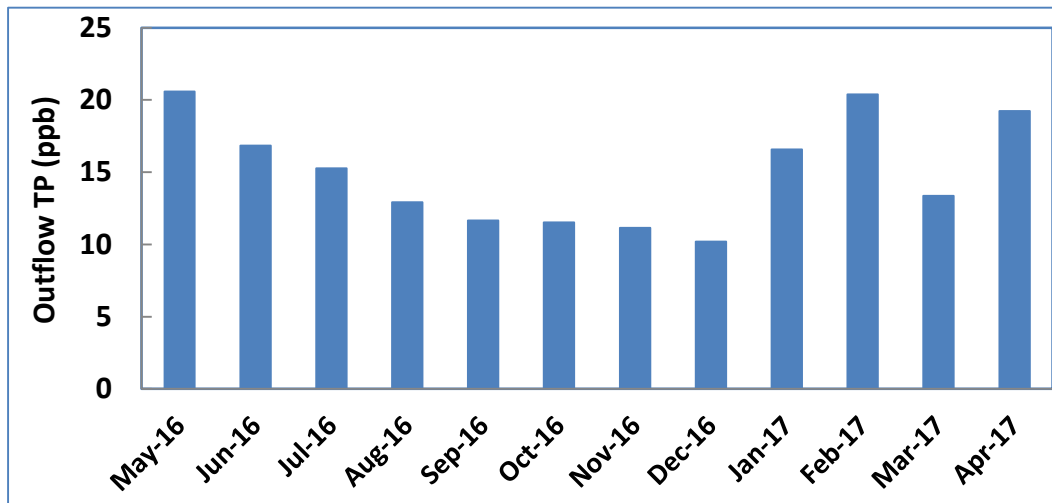


Cell 4 aerially treated vegetation



STA-2 Monthly & Annual Performance

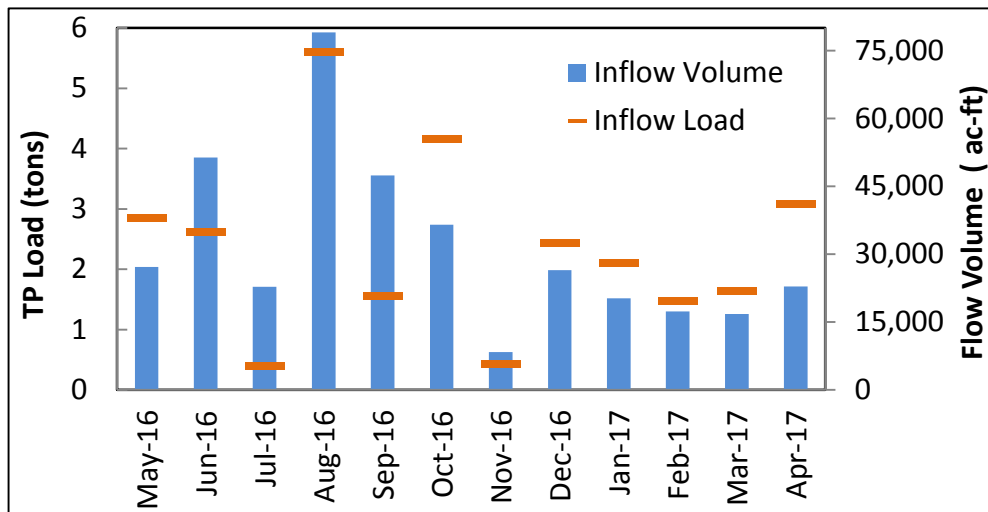
Time period	TP Concentration, ppb	
	Inflow	Outflow
Monthly (WY2017)	35-124	10-21
WY2017 Annual	82	14
WY2016 Annual	103	18
WY2002 - 2016	97	21



STA-3/4 WY2017 Operational Highlights

Total Inflow volume	376,366 ac-ft
From Lake releases	87,800 ac-ft (23% of total inflow)
Inflow TP load	28.3 metric tons
Outflow TP load	5.6 metric tons
TP load removal	80%
365-day PLR	0.4 g/m ² /yr

Cell 3A – dense cattail

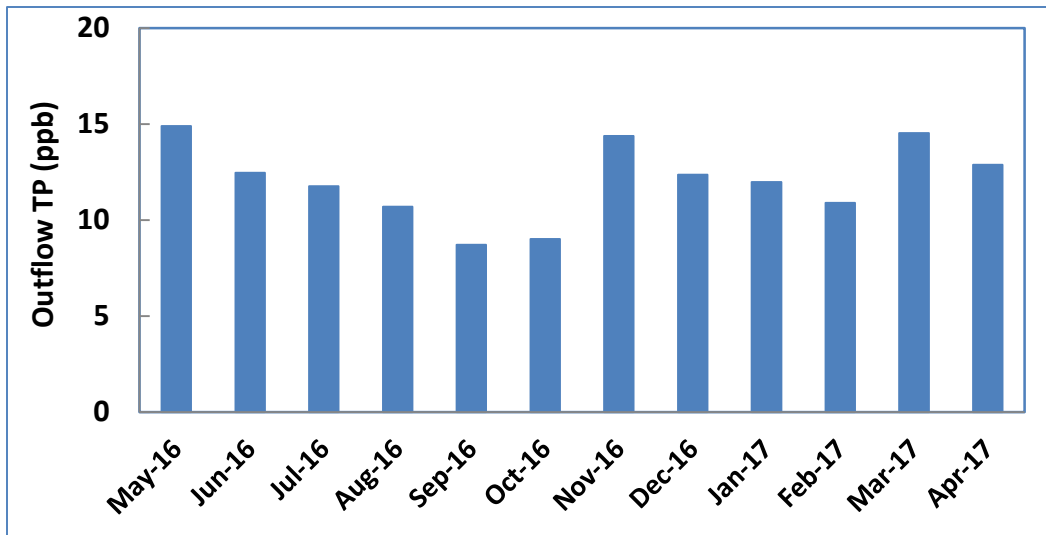


Cell 3B – mixed vegetation



STA-3/4 Monthly & Annual Performance

Time period	TP Concentration, ppb	
	Inflow	Outflow
Monthly (WY2017)	14-109	9-15
WY2017 Annual	61	11
WY2016 Annual	111	12
WY2005 - 2016	98	15



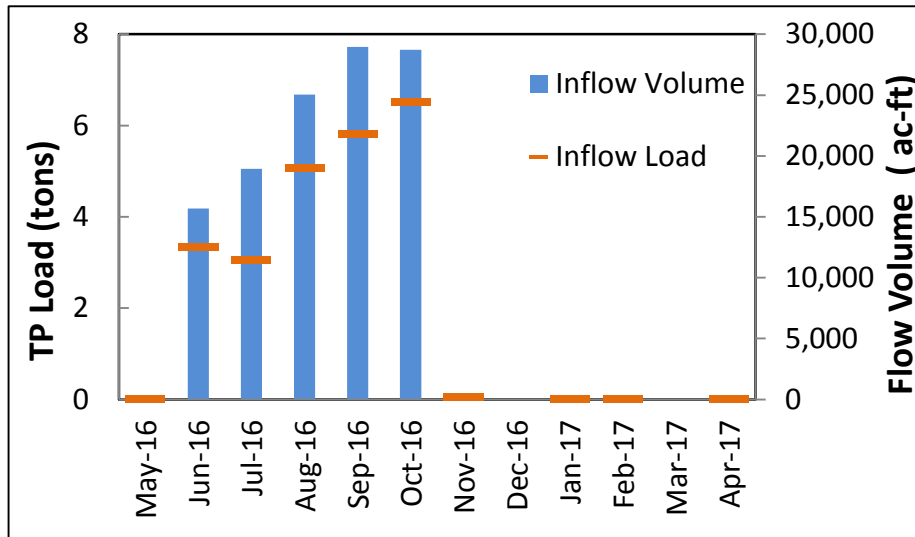
Flows into A1 FEB benefitting STA-3/4



STA-5/6 WY2017 Operational Highlights

Total Inflow volume	117,875 ac-ft
Inflow TP load	23.8 metric tons
Outflow TP load	3.0 metric tons
% TP load removal	87%
365-day PLR	0.4 g/m ² /yr

Bulrush vegetation strip, Cell 5-4A

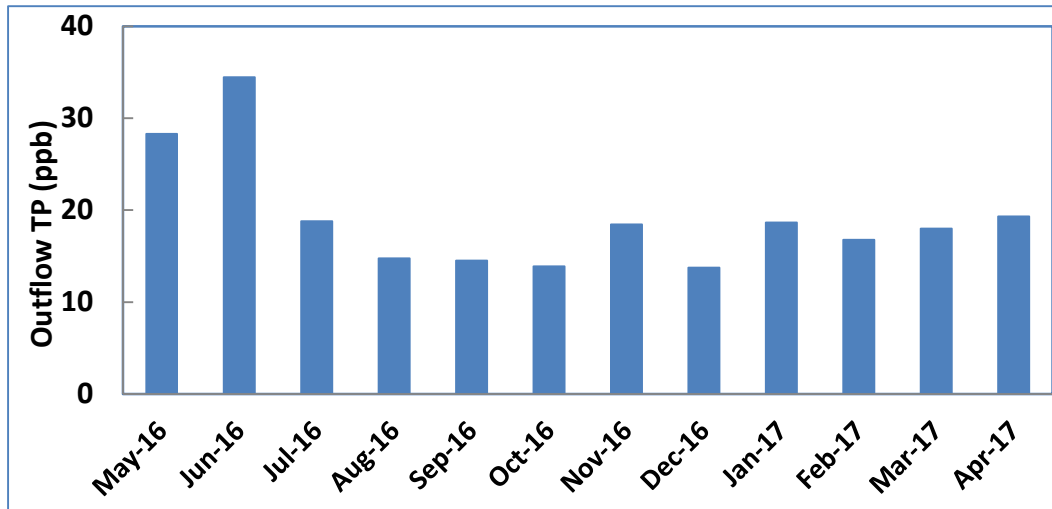


Giant Bulrush planting, Cell 5-1A



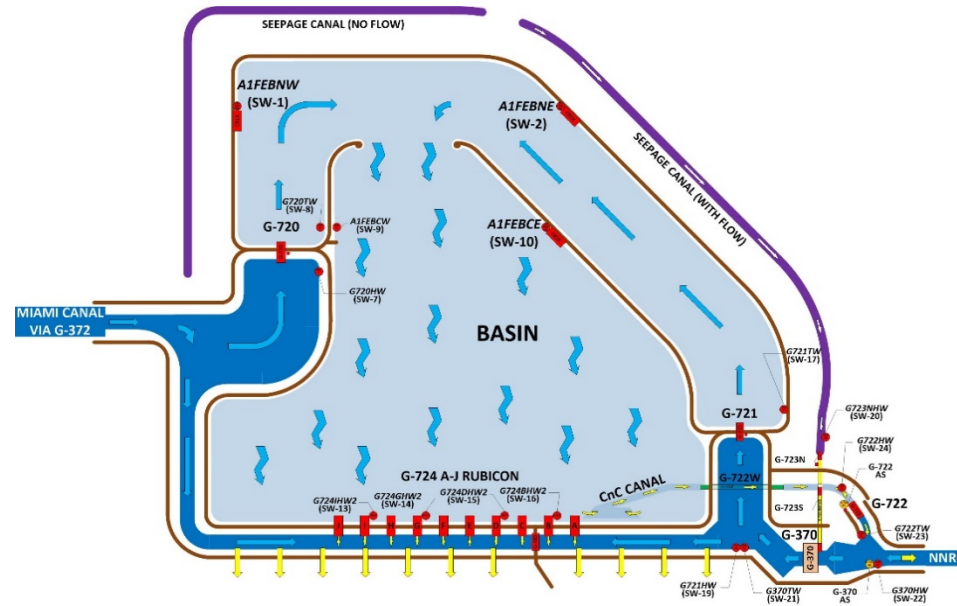
STA-5/6 Monthly & Annual Performance

Time period	TP Concentration, ppb	
	Inflow	Outflow
Monthly (WY2017)	89-495	14-34
WY2017 Annual	164	17
WY2016 Annual	229	29
WY2001 - 2016	176	66



A-1 FEB

Parameter	Inflow	Outflow
Flow Volume (ac-ft)	319,000	271,000
TP Concentration (ppb)	84	15
TP Load (metric tons)	33	5.0



- From Lake releases: 31,500 ac-ft (9.9% of total inflow)
- TP concentration reduction: 82%
- TP load reduction: 85%
- A1 FEB Discharge
 - 79% sent to STA-3/4
 - 17% sent to STA-2
- Drawdown & flow restrictions since Nov. 2016 for postconstruction activities

Questions?



Photo: Brian Garrett