Tamiami Trail Flow Formula (TTFF) - Target Flow from WCA-3A to ENP

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Daily Target Flow for			6/15/2021	to	6/21/2021	381	cfs
Observed Stage Data							
Station	Variable			on	6/11/2021	Value	Unit
WCA-3A (Average for Site 63, 64 and 65)	Average Daily Stage			OII	0/11/2021		ft-NGVD29
NESRS2	Average Daily Stage						ft-NGVD29
Regulatory Stage WCA-3A	Average Daily Stage						ft-NGVD29
Observed Flow Data							
<u>Station</u>	<u>Variable</u>	From	6/5/2021	to	6/11/2021	<u>Value</u>	<u>Unit</u>
S-12A	7-day Average Daily Flow					0	cfs
S-12B	7-day Average Daily Flow					0	cfs
S-12C	7-day Average Daily Flow						cfs
S-12D	7-day Average Daily Flow						cfs
S-333	7-day Average Daily Flow					_	cfs
S-333N S-334	7-day Average Daily Flow						cfs cfs
S-12s Total	7-day Average Daily Flow 7-day Average Daily Flow						cfs
S333 + S333N - S334 ¹	· ·					375	
Total Flow to ENP	7-day Average Daily Flow 7-day Average Daily Flow						cfs
	7-day Average Daily Flow					367	CIS
Meteorological Data							
<u>Forecasted</u>		From	6/12/2021	to	6/18/2021	<u>Value</u>	<u>Unit</u>
WCA3 7-day Quantitative Precipitation Foreca	ast (QPF)					1.50	in
3AS3WX - 7-day Total Forecasted PET						1.43	in
<u>Observed</u>		From	6/5/2021	to	6/11/2021	<u>Value</u>	<u>Unit</u>
WCA-3 7-day Total Observed NEXRAD Rainfal	II					0.44	in
3AS3WX 7-day Total Observed PET						1.43	in
	TTFF A	pplication	on				
Previous week target flow (calculated with forecasted 7-day QPF and PET)						425	cfs
2 Previous week target flow (recalculated with observed rainfall and PET)						399	
3 Adjustment for forecast (2-1)						cfs	
4 This week calculated target flow						408	
5 This week target flow with adjustment (3 + 4)						381	cfs
Average Daily Target Flow ²						381	cfs
TTFF formula coefficients							

Target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to prioritize water deliveries to NESRS first and WSRS second, subject to downstream constraints.

Forecast Precipitation (β4)

24.32

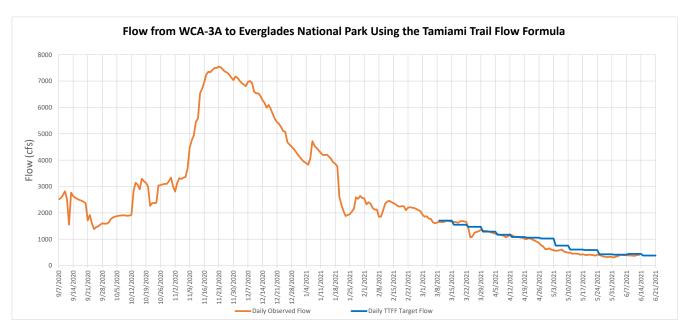
Forecast PET (β5)

Regulation Schedule Stage (β6)

Previous 7-day Average Flow (β3)

NESRS2 Stage (β2)

WCA-3A Average Stage (β1)



 $^{^{1}}$ S-333 + S-333N - S-334 becomes zero if the sum of S-333 and S-333N is less than S-334 flow. Calculation is done daily.

²Actual discharges may vary from target discharges because of changing hydrologic conditions.