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

Daily Target Flow for			6/1/2021	to	6/7/2021	413	cfs
Observed Stage Data							
Station	Variable			on	5/28/2021	Value	Unit
WCA-3A (Average for Site 63, 64 and 65)	Average Daily Stage					8.49	ft-NGVD29
NESRS2	Average Daily Stage						ft-NGVD29
Regulatory Stage WCA-3A	Average Daily Stage					9.52	ft-NGVD29
<b>Observed Flow Data</b>							
<u>Station</u>	<u>Variable</u>	From	5/22/2021	to	5/28/2021	<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					14	cfs
S-12D	7-day Average Daily Flow					0	cfs
S-333	7-day Average Daily Flow					0	cfs
S-333N	7-day Average Daily Flow					418	
S-334	7-day Average Daily Flow						cfs
S-12s Total	7-day Average Daily Flow						cfs
S333 + S333N - S334 <sup>1</sup>	7-day Average Daily Flow					362	
Total Flow to ENP	7-day Average Daily Flow					377	cfs
Meteorological Data							
<u>Forecasted</u>		From	5/29/2021	to	6/4/2021	<u>Value</u>	<u>Unit</u>
WCA3 7-day Quantitative Precipitation Foreca	st (QPF)					2.07	in
3AS3WX - 7-day Total Forecasted PET						1.50	in
<u>Observed</u>		From	5/22/2021	to	5/28/2021	<u>Value</u>	<u>Unit</u>
WCA-3 7-day Total Observed NEXRAD Rainfal	I		-		-	0.02	
3AS3WX 7-day Total Observed PET						1.50	in
TTFF Application							
1 Previous week target flow (calc	1 Previous week target flow (calculated with forecasted 7-day QPF and PET)						cfs
2 Previous week target flow (recalculated with observed rainfall and PET)						440	
3 Adjustment for forecast (2-1)	Adjustment for forecast (2-1)					-16	cfs
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5 This week target flow with adjustment (3 + 4)						413	cfs
Average Daily Target Flow <sup>2</sup>						413	cfs

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.

TTFF formula coefficients

Forecast Precipitation (β4)

24 32

Forecast PET (β5)

-96 31

Regulation Schedule Stage (β6)

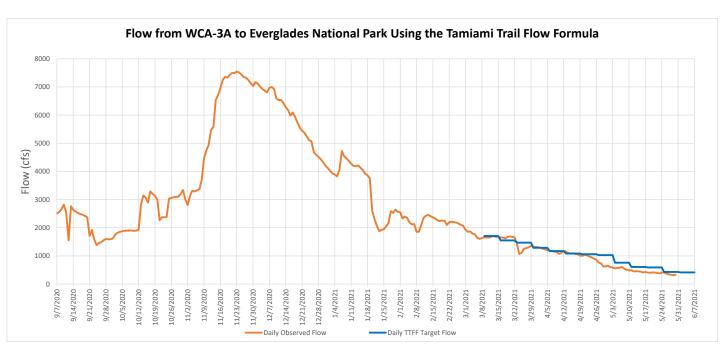
-221 79

Previous 7-day Average Flow (β3)

0 644

NESRS2 Stage (β2)

WCA-3A Average Stage (β1)



<sup>&</sup>lt;sup>1</sup>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.

<sup>&</sup>lt;sup>2</sup>Actual discharges may vary from target discharges because of changing hydrologic conditions.