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

Daily Target Flow for			8/31/2021	to	9/6/2021	1388	cfs
Observed Stage Data							
Station WCA-3A (Average for Site 63, 64 and 65) NESRS2 Regulatory Stage WCA-3A	Variable  Average Daily Stage  Average Daily Stage  Average Daily Stage			on	8/27/2021	7.65	Unit ft-NGVD29 ft-NGVD29 ft-NGVD29
Observed Flow Data							
Station S-12A S-12B S-12C S-12D S-333 S-333N S-334 S-12s Total S333 + S333N - S334 <sup>1</sup> Total Flow to ENP  Meteorological Data Forecasted WCA3 7-day Quantitative Precipitation Foreca	Variable 7-day Average Daily Flow	From	8/21/2021 8/28/2021	to	8/27/2021 9/3/2021	124 207 253 0 770	cfs
3AS3WX - 7-day Total Forecasted PET						1.14	
Observed WCA-3 7-day Total Observed NEXRAD Rainfa 3AS3WX 7-day Total Observed PET	II	From	8/21/2021	to	8/27/2021	<u>Value</u> 0.83 1.14	in
TTFF Application							
Previous week target flow (calculated with forecasted 7-day QPF and PET) Previous week target flow (recalculated with observed rainfall and PET) Adjustment for forecast (2-1) This week calculated target flow This week target flow with adjustment (3 + 4)					1348 1350 2 1385 1388	cfs cfs cfs	
Average Daily Target Flow <sup>2</sup>						1388	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)

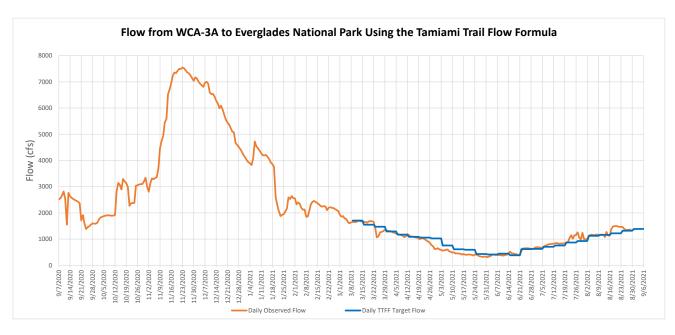
Forecast PET (β5)

-221.79

Previous 7-day Average Flow (β3)

NESRS2 Stage (β2)

WCA-3A Average Stage (β1)



 $<sup>^{1}</sup>$ 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.

 $<sup>^2</sup>$ Actual discharges may vary from target discharges because of changing hydrologic conditions.