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

Daily Target	Flow for			5/25/2021	to	5/31/2021	430	cfs
Observed Stage Data								
Station WCA-3A (Average for Sit NESRS2 Regulatory Stage WCA-3	e 63, 64 and 65)	Variable Average Daily Stage Average Daily Stage Average Daily Stage			on	5/21/2021	7.14	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 I           Forecasted           WCA3 7-day Quantitative           3AS3WX - 7-day Total Fore           Observed           WCA-3 7-day Total Observed	Precipitation Forecast ecasted PET	Variable 7-day Average Daily Flow 7-day Average Daily Flow	From From	5/15/2021 5/21/2021 5/15/2021	to to	5/21/2021 5/27/2021 5/21/2021	Value 0 0 8 0 408 0 8 408 416 <u>Value</u> 0.06 1.34 <u>Value</u> 0.01	cfs cfs cfs cfs cfs cfs cfs cfs cfs cfs
3AS3WX 7-day Total Obse	erved PET						1.34	in
TTFF Application								
<ul> <li>Previous week target flow (calculated with forecasted 7-day QPF and PET)</li> <li>Previous week target flow (recalculated with observed rainfall and PET)</li> <li>Adjustment for forecast (2-1)</li> <li>This week calculated target flow</li> <li>This week target flow with adjustment (3 + 4)</li> </ul> Average Daily Target Flow <sup>2</sup>						568 542 -26 456 430 <b>430</b>	cfs cfs cfs cfs	
TTFF formula coefficients								
WCA-3A Average Stage (β1) 318.42	NESRS2 Stage (β2) -44.62	Previous 7-day Average Flow (β3) 0.644	Forecast Precipitation (β4) 24.32		Forecast PET (β5) -96.31		Regulation Schedule Stage (β6) -221.79	

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.

<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.

