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

Daily Target Flow for			5/11/2021	to	5/17/2021	609	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	5/7/2021	7.35	<u>Unit</u> ft-NGVD29 ft-NGVD29 ft-NGVD29
<b>Observed Flow Data</b>							
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	Variable 7-day Average Daily Flow 7-day Average Daily Flow	From	5/1/2021	to	5/7/2021	0 55 91 449 0 55 540 594	cfs cfs cfs cfs cfs cfs cfs cfs cfs cfs
Forecasted WCA3 7-day Quantitative Precipitation Foreca 3AS3WX - 7-day Total Forecasted PET	st (QPF)	From	5/7/2021	to	5/13/2021	<u>Value</u> 0.48 1.46	in
Observed WCA-3 7-day Total Observed NEXRAD Rainfall 3AS3WX 7-day Total Observed PET	I	From	5/1/2021	to	5/7/2021	<u>Value</u> 0.14 1.46	in
TTFF Application							
1 Previous week target flow (calculated with forecasted 7-day QPF and PET)   2 Previous week target flow (recalculated with observed rainfall and PET)   3 Adjustment for forecast (2-1)   4 This week calculated target flow   5 This week target flow with adjustment (3 + 4)					771 -18 627 609	cfs cfs cfs cfs cfs cfs cfs <b>cfs</b>	
TTFF formula coefficients							
WCA-3A Average Stage (β1)   NESRS2 Stage (β2)     318.42   -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-12E, 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.

