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

Daily Target Flow for			2/2/2021	to	2/8/2021	MAX	cfs
Observed Stage Data							
Station WCA-3A (Average for Site 63, 64 and 65 NESRS2 Regulatory Stage WCA-3A	<u>Variable</u> Average Daily Stage Average Daily Stage Stage			on	1/29/2021	7.75	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	Variable 7-day Average Daily Flow 7-day Average Daily Flow	From	1/23/2021	to	1/29/2021	363 431 961 212 188	cfs cfs cfs cfs cfs cfs cfs cfs cfs cfs
Forecasted WCA3 7-day Quantitative Precipitation Forecast (QPF) 3AS3WX - 7-day Total Forecasted PET			1/30/2021	to	2/5/2021	<u>Value</u> 0.11 0.88	in
Observed WCA-3 7-day Total Observed NEXRAD Rainfall 3AS3WX 7-day Total Observed PET		From	1/23/2021	to	1/29/2021	<u>Value</u> 0.00 0.88	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)					MAX MAX 0 MAX MAX MAX	cfs cfs cfs cfs	
TTFF formula coefficients							
WCA-3A Average Stage (β1)   NESRS2 Stage (β2)     318.42   -44.62	) Previous 7-day Average Flow (β3) Forecast Precipitation (β4) 0.644 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.

