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

Daily Target Flow for			4/20/2021	to	4/26/2021	1058	cfs
Observed Stage Data							
<u>Station</u> WCA-3A (Average for Site 63, 64 and 65) NESRS2 Regulatory Stage WCA-3A	<u>Variable</u> Average Daily Stage Average Daily Stage Average Daily Stage			on	4/16/2021	7.70	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	4/10/2021	to	4/16/2021	0 0 186 440 497 9 186 929 1115	cfs     cfs
Forecasted WCA3 7-day Quantitative Precipitation Foreca 3AS3WX - 7-day Total Forecasted PET	st (QPF)	From	4/17/2021	to	4/23/2021	<u>Value</u> 0.68 1.33	in
Observed WCA-3 7-day Total Observed NEXRAD Rainfall 3AS3WX 7-day Total Observed PET		From	4/10/2021	to	4/16/2021	<u>Value</u> 1.23 1.33	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)					1090 1101 11 1047 1058 <b>1058</b>	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) 0.644	Forecast Precipitation (β4)     24.32		Fo	recast 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.

