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

Daily Target Flow for				5/24/2022	to	5/30/2022	212	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	5/20/2022	<u>Value</u> 8.51 6.80 9.57	
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	5/14/2022	to	5/20/2022	Value 0 9 20 0 0 29 0 29	cfs cfs cfs cfs cfs cfs cfs cfs cfs cfs
<u>Forecasted</u> WCA3 7-day Quantitative Precipitation Forecast (QPF) 3AS3WX - 7-day Total Forecasted PET			From	5/21/2022	to	5/27/2022	<u>Value</u> 0.44 1.37	in
Observed WCA-3 7-day Total Observed NEXRAD Rainfall 3AS3WX 7-day Total Observed PET			From	5/14/2022	to	5/20/2022	<u>Value</u> 2.05 1.37	<u>Unit</u> 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>						163 194 31 181 212 <b>212</b>	cfs cfs cfs cfs	
TTFF formula coefficients WCA-3A Average Stage (β1) NESRS2 Stage (β2) Previous 7-day Average Flow (β3) Forecast Precipitation (β4) Forecast PET (β5) Regulation Schedule Stag							Schedule Stage (B6)	
318.42	-44.62	0.644		24.32		-96.31	-	-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

<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.

## Flow from WCA-3A to Everglades National Park Using the Tamiami Trail Flow Formula

