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

Daily Target Flaggefor						
Daily Target Flow for		11/24/2020	to	11/30/2020	MAX	cfs
Observed Stage Date						
Observed Stage Data				/ /		
Station Variable			on	11/20/2020	40.00	<u>Unit</u>
WCA-3A (Average for Site 63, 64 and 65)  Average Daily Stage  Average Daily Stage						ft-NGVD29 ft-NGVD29
NESRS2 Average Daily Stage Regulatory Stage WCA-3A Stage						ft-NGVD29
Regulatory Stage WCA-SA Stage					10.50	IL-INGVD29
Observed Flow Data						
<u>Station</u> <u>Variable</u>	From	11/14/2020	to	11/20/2020	<u>Value</u>	<u>Unit</u>
S-12A 7-day Average Daily Flow					1276	cfs
S-12B 7-day Average Daily Flow					1247	cfs
S-12C 7-day Average Daily Flow					1850	cfs
S-12D 7-day Average Daily Flow					2629	cfs
S-333 7-day Average Daily Flow						cfs
S-333N 7-day Average Daily Flow					N/A	
S-334 7-day Average Daily Flow						cfs
S-12s Total 7-day Average Daily Flow					7001	cfs
S333 + S333N - S334 <sup>1</sup> 7-day Average Daily Flow					77	cfs
Total Flow to ENP 7-day Average Daily Flow					7078	cfs
Meteorological Data						
Forecasted					<u>Value</u>	Unit
WCA3 7-day Quantitative Precipitation Forecast (QPF)	From	11/21/2020	to	11/27/2020	0.42	
3AS3WX - 7-day Total Forecasted PET	From	11/21/2020	to	11/27/2020	0.78	
•						
<u>Observed</u>	From	11/14/2020	to	11/20/2020	<u>Value</u>	
WCA-3 7-day Total Observed NEXRAD Rainfall					0.24	
3AS3WX 7-day Total Observed PET					0.78	ın
TTFF Ap	plicati	on				
1 Previous week target flow (calculated with forecasted 7-day QF	PF and PET	Γ)			MAX	cfs
2 Previous week target flow (recalculated with observed rainfall a		•			MAX	cfs
	•				0	cfs
3 Adjustment for forecast (2-1)						
<ul><li>3 Adjustment for forecast (2-1)</li><li>4 This week calculated target flow</li></ul>					MAX	cfs
* * *					MAX MAX	

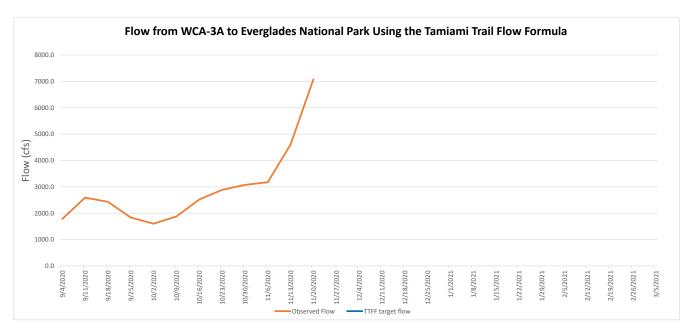
TTFF formula coefficients

WCA-3A Average Stage (β1) NESRS2 Stage (β2) Previous 7-day Average Flow (β3) Forecast Precipitation (β4) Forecast PET (β5) Regulation Schedule Stage (β6)

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-12D, S-12B, and S-12A) to prioritize water deliveries to NESRS first and WSRS second, subject to downstream constraints.

<sup>&</sup>lt;sup>2</sup>Actual discharges may vary from target discharges because of changing hydrologic conditions.



 $<sup>^{1}</sup>$ 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.