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

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Daily Target Flow for			12/1/2020	to	12/7/2020	MAX	cfs
Observed Stage Data							
Station	Variable			on	11/27/2020		Unit
WCA-3A (Average for Site 63, 64 and 65)	Average Daily Stage			OII	11/2//2020	12.62	ft-NGVD29
NESRS2	Average Daily Stage						ft-NGVD29
Regulatory Stage WCA-3A	Stage						ft-NGVD29
Observed Flow Data							
<u>Station</u>	<u>Variable</u>	From	11/21/2020	to	11/27/2020	<u>Value</u>	<u>Unit</u>
S-12A	7-day Average Daily Flow					1350	cfs
S-12B	7-day Average Daily Flow					1320	cfs
S-12C	7-day Average Daily Flow					1960	cfs
S-12D	7-day Average Daily Flow					2727	
S-333	7-day Average Daily Flow						cfs
S-333N	7-day Average Daily Flow					N/A	
S-334	7-day Average Daily Flow					0	
S-12s Total	7-day Average Daily Flow					7357	cfs
S333 + S333N - S334 ¹	7-day Average Daily Flow					96	cfs
Total Flow to ENP	7-day Average Daily Flow					7453	cfs
Meteorological Data							
<u>Forecasted</u>						<u>Value</u>	<u>Unit</u>
WCA3 7-day Quantitative Precipitation Forecast (QPF)		From	11/27/2020	to	12/3/2020	0.30	in
3AS3WX - 7-day Total Forecasted PET		From	11/28/2020	to	12/4/2020	0.76	in
•		F				Value	l lmia
<u>Observed</u>		From	11/21/2020	to	11/27/2020	<u>Value</u>	
WCA-3 7-day Total Observed NEXRAD Rainfall						0.16	
3AS3WX 7-day Total Observed PET						0.76	in
	TTFF A	pplicati	on				
Previous week target flow (calculated with forecasted 7-day QPF and PET)					MAX	cfs	
2 Previous week target flow (recalculated with observed rainfall and PET)					MAX	cfs	
3 Adjustment for forecast (2-1)						0	cfs
4 This week calculated target flow						MAX	cfs
5 This week target flow with adju	stment (3 + 4)					MAX	cfs
Average Daily Target Flow ²						MAX	cfs
-	TTFF farm	nula coefficien	.tc				

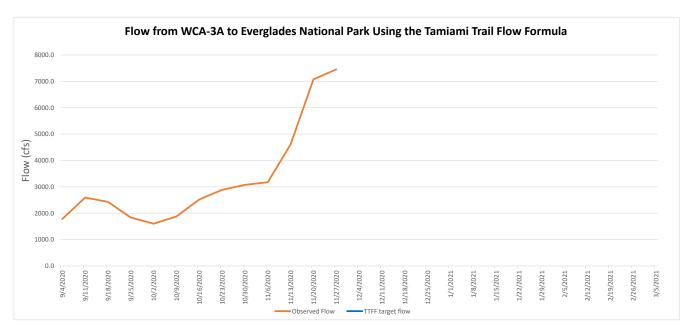
TTFF formula coefficients

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

²Actual discharges may vary from target discharges because of changing hydrologic conditions.



 $^{^{1}}$ 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.