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

Daily Target Flow for			2/14/2023	to	2/20/2023	1142	cfs
Observed Stage Data							
Station WCA-3A (Average for Site 63, 64 and 65) NESRS2 Regulatory Stage WCA-3A	Variable Average Daily Stage Average Daily Stage Average Daily Stage			on	2/10/2023	<u>Value</u> 9.61 7.96 10.23	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 ¹ Total Flow to ENP Meteorological Data Forecasted WCA3 7-day Quantitative Precipitation Forecasted 3AS3WX - 7-day Total Forecasted PET	Variable 7-day Average Daily Flow	From	2/4/2023	to	2/17/2023		cfs
Observed WCA-3 7-day Total Observed NEXRAD Rainfall 3AS3WX 7-day Total Observed PET		From	2/4/2023	to	2/10/2023	<u>Value</u> 0.87 0.92	<u>Unit</u> in
TTFF Application							
Previous week target flow (calculated with forecasted 7-day QPF and PET) Previous week target flow (recalculated with observed rainfall and PET) Adjustment for forecast (2-1) This week calculated target flow This week target flow with adjustment (3 + 4) Average Daily Target Flow Previous week target flow (calculated with forecasted 7-day QPF and PET) This week target flow (recalculated with observed rainfall and PET) Adjustment for forecast (2-1) Average Daily Target Flow					1181 1196 15 1127 1142 1142	cfs cfs cfs cfs	
TTFF formula coefficients							
WCA-3A Average Stage (β1) NESRS2 Stage (β2)	Previous 7-day Average Flow (β3)	Forecast P	recipitation (β4)	Fo	recast PET (β5)	Regulation Schedule Stage (β6)	

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.

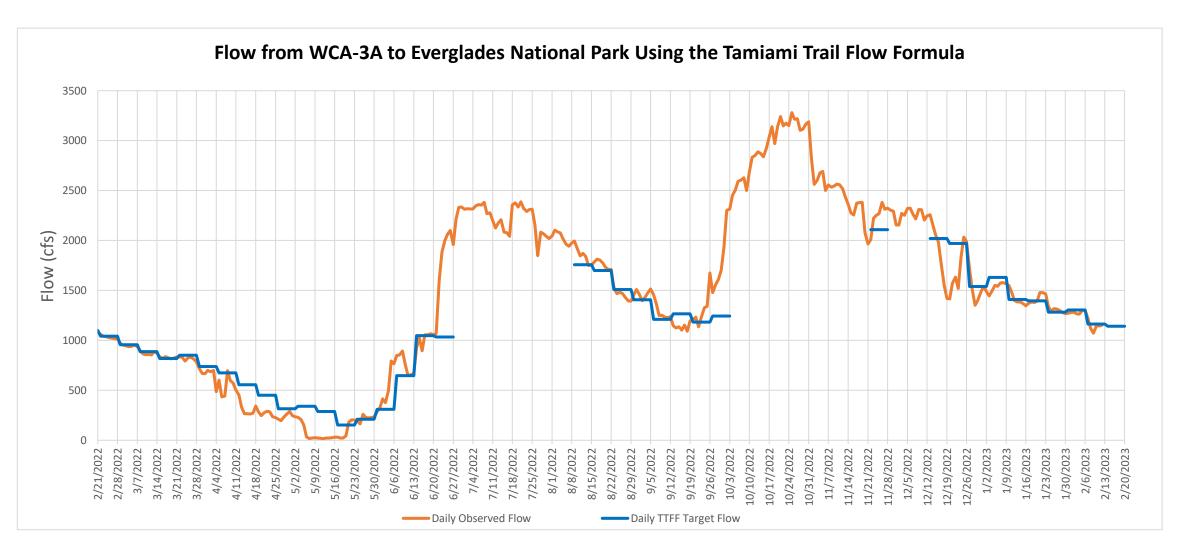
24.32

-221.79

0.644

-44.62

318.42



¹S-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.

 $^{^{2}}$ Actual discharges may vary from target discharges because of changing hydrologic conditions.