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

Daily Target Flow for			3/26/2024	to	4/1/2024	MAX	cfs
Observed Stage Data							
Station	Variable			on	3/22/2024	Value	Unit
WCA-3A (Average for Site 63, 64 and 65)	Average Daily Stage			•	-,,		ft-NGVD29
NESRS2	Average Daily Stage					7.98	ft-NGVD29
Regulatory Stage WCA-3A	Average Daily Stage					9.96	ft-NGVD29
Observed Flow Data							
<u>Station</u>	<u>Variable</u>	From	3/16/2024	to	3/22/2024	Value	<u>Unit</u>
S-12A	7-day Average Daily Flow					167	cfs
S-12B	7-day Average Daily Flow					141	cfs
S-12C	7-day Average Daily Flow					375	cfs
S-12D	7-day Average Daily Flow					559	cfs
S-333	7-day Average Daily Flow						cfs
S-333N	7-day Average Daily Flow					230	cfs
S-334	7-day Average Daily Flow					0	cfs
S-12s Total	7-day Average Daily Flow					1242	cfs
S333 + S333N - S334 ¹	7-day Average Daily Flow					470	cfs
Total Flow to ENP	7-day Average Daily Flow					1713	cfs
Meteorological Data							
<u>Forecasted</u>		From	3/23/2024	to	3/29/2024	<u>Value</u>	<u>Unit</u>
WCA3 7-day Quantitative Precipitation Forecast (QPF)						0.27	in
3AS3WX - 7-day Total Forecasted PET						0.84	in
Observed		From	3/16/2024	to	3/22/2024	Value	Unit
WCA-3 7-day Total Observed NEXRAD Rainfall			3, 10, 202 1		3, 22, 202 1	2.43	
3AS3WX 7-day Total Observed NEXICAD Rainian						0.84	
SASSWA 7-day rotar observed r Er						0.04	111
	TTFF .	Applicati	on				
1 Previous week target flow (calc	ulated with forecasted 7-day QI	PF and PET)				MAX	cfs
2 Previous week target flow (reca				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				MAX	cfs		
Average Daily Target Flow ² MAX						cfs	
	TTFF fo	rmula coefficier	its				
	Dravious 7 day Avaraga Flow (82)	Foreset Due	cinitation (RA)	-	recent DET (QE)	Bogulation C	hadula Staga (RC)

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.

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.

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

