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

		<u> </u>						
Daily Target Flow for				9/19/2023	to	9/25/2023	MAX	cfs
Observed Stage	Data							
Station	Dutu	Variable			on	9/15/2023	Value	Unit
WCA-3A (Average for Site 63, 64 and 65)		Average Daily Stage			0	3, 13, 2023		ft-NGVD29
NESRS2		Average Daily Stage						ft-NGVD29
Regulatory Stage WCA-3A		Average Daily Stage					10.20	ft-NGVD29
Observed Flow	Data							
<u>Station</u>		<u>Variable</u>	From	9/9/2023	to	9/15/2023	<u>Value</u>	<u>Unit</u>
S-12A		7-day Average Daily Flow					313	cfs
S-12B		7-day Average Daily Flow					237	cfs
S-12C		7-day Average Daily Flow					529	cfs
S-12D		7-day Average Daily Flow					821	
S-333		7-day Average Daily Flow					388	
S-333N		7-day Average Daily Flow						cfs
S-334		7-day Average Daily Flow					0	cfs
S-12s Total		7-day Average Daily Flow					1900	cfs
S333 + S333N - S334 ¹		7-day Average Daily Flow					431	cfs
Total Flow to ENP		7-day Average Daily Flow					2331	cfs
Meteorological	Data							
<u>Forecasted</u>			From	9/16/2023	to	9/22/2023	<u>Value</u>	<u>Unit</u>
WCA3 7-day Quantitativ	e Precipitation Forecas	t (QPF)					3.71	in
3AS3WX - 7-day Total Fo							1.23	in
Observed			From	9/9/2023	to	9/15/2023	Value	Unit
WCA-3 7-day Total Observed NEXRAD Rainfall				3/3/2023		3/13/2023	1.37	
3AS3WX 7-day Total Obs							1.23	
SASSVVA 7-day Total Ob.	serveu FL1						1.23	""
		TTFF A	Applicat	ion				
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 adjustment (3 + 4)							MAX	cfs
Average Daily Target Flow ²							MAX	cfs
		TTFF for	mula coefficie	ents				
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.