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

Daily Targe	ot Claw for			4/12/2021		4/10/2021	1084	of o
Daily Targe	et Flow 101			4/13/2021	to	4/19/2021	1004	CIS
Observed Stage	e Data							
Station_		<u>Variable</u>			on	4/9/2021	<u>Value</u>	<u>Unit</u>
VCA-3A (Average for	Site 63, 64 and 65)	Average Daily Stage					9.29	ft-NGVD29
IESRS2		Average Daily Stage					7.72	ft-NGVD29
Regulatory Stage WCA	A-3A	Average Daily Stage					9.84	ft-NGVD29
Observed Flow	Data							
<u>Station</u>		<u>Variable</u>	From	4/3/2021	to	4/9/2021	<u>Value</u>	<u>Unit</u>
S-12A		7-day Average Daily Flow					0	cfs
S-12B		7-day Average Daily Flow						cfs
S-12C		7-day Average Daily Flow					0	
S-12D S-333		7-day Average Daily Flow					227 406	
S-333N		7-day Average Daily Flow 7-day Average Daily Flow					560	
S-334		7-day Average Daily Flow						cfs
S-12s Total		7-day Average Daily Flow					227	
S333 + S333N - S334 ¹		7-day Average Daily Flow					966	cfs
otal Flow to ENP		7-day Average Daily Flow					1193	
Meteorologica	l Data							
orecasted			From	4/10/2021	to	4/16/2021	<u>Value</u>	Unit
WCA3 7-day Quantitative Precipitation Forecas		st (OPF)	110	4/10/2021		4/10/2021	0.82	·
3AS3WX - 7-day Total Forecasted PET		(C. 1)					1.35	
,	0.0000000.2.							
<u>Observed</u>			From	4/3/2021	to	4/9/2021	<u>Value</u>	
WCA-3 7-day Total Observed NEXRAD Rainfall							0.00	
3AS3WX 7-day Total Observed PET							1.35	in
		TTFF Ap	plicati	on				
Previous week target flow (calculated with forecasted 7-day QPF and PET)							1180	cfs
2 Previous week target flow (recalculated with observed rainfall and PET)							1174	cfs
3 Adjustme	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						-6	cfs
4 This week calculated target flow							1090	cfs
5 This week target flow with adjustment (3 + 4)							1084	cfs
Average Daily Target Flow ²							1084	cfs
			ıla coefficien					
VCA-3A Average Stage (β1) NESRS2 Stage (β2)		Previous 7-day Average Flow (β3)	Forecast Pi	Forecast Precipitation (β4)		recast PET (β5)	Regulation Schedule Stage (β	

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.

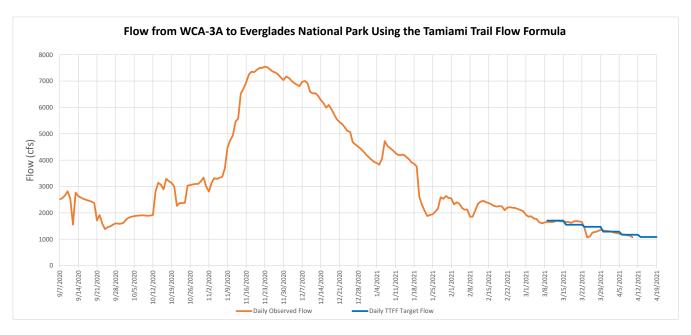
24.32

-96.31

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.

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