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

| Daily Target Flow for                           |   |                | 9/7/2021  | to | 9/13/2021 | 1416         | cfs                    |
|---|---|----------------|-----------|----|-----------|--------------|------------------------|
| Observed Stage Data                             |   |                |           |    |           |              |                        |
| <u>Station</u>                                  | <u>Variable</u>                         |                |           | on | 9/3/2021  | <u>Value</u> |                        |
| WCA-3A (Average for Site 63, 64 and 65)         | Average Daily Stage                     |                |           |    |           |              | ft-NGVD29              |
| NESRS2<br>Regulatory Stage WCA-3A               | Average Daily Stage Average Daily Stage |                |           |    |           |              | ft-NGVD29<br>ft-NGVD29 |
| negulatory Stage WCA-SA                         | Average Daily Stage                     |                |           |    |           | 10.12        | II-NGVD29              |
| Observed Flow Data                              |   |                |           |    |           |              |                        |
| <u>Station</u>                                  | <u>Variable</u>                         | From           | 8/28/2021 | to | 9/3/2021  | <u>Value</u> | <u>Unit</u>            |
| S-12A   | 7-day Average Daily Flow                |                |           |    |           | 0            | cfs                    |
| 5-12B   | 7-day Average Daily Flow                |                |           |    |           | 130          |                        |
| 5-12C   | 7-day Average Daily Flow                |                |           |    |           | 248          |                        |
| 5-12D   | 7-day Average Daily Flow                |                |           |    |           | 142          |                        |
| 5-333   | 7-day Average Daily Flow                |                |           |    |           | 0            |                        |
| 5-333N  | 7-day Average Daily Flow                |                |           |    |           | 847<br>0     | cfs<br>cfs             |
| 5-334<br>3-13- Tabal                            | 7-day Average Daily Flow                |                |           |    |           |              |                        |
| 5-12s Total                                     | 7-day Average Daily Flow                |                |           |    |           | 521          |                        |
| 5333 + S333N - S334 <sup>1</sup>                | 7-day Average Daily Flow                |                |           |    |           | 847          |                        |
| Total Flow to ENP                               | 7-day Average Daily Flow                |                |           |    |           | 1368         | CTS                    |
| Meteorological Data                             |   |                |           |    |           |              |                        |
| <u>Forecasted</u>                               |   | From           | 9/4/2021  | to | 9/10/2021 | <u>Value</u> | <u>Unit</u>            |
| NCA3 7-day Quantitative Precipitation Foreca    | st (QPF)                                |                |           |    |           | 2.55         | in                     |
| BAS3WX - 7-day Total Forecasted PET             |   |                |           |    |           | 0.98         | in                     |
| <u>Observed</u>                                 |   | From           | 8/28/2021 | to | 9/3/2021  | <u>Value</u> | <u>Unit</u>            |
| WCA-3 7-day Total Observed NEXRAD Rainfal       | I                                       |                |           |    |           | 1.37         | ·                      |
| ASS3WX 7-day Total Observed PET                 |   |                |           |    |           | 0.98         | in                     |
|   |   |                |           |    |           |              |                        |
|   |   | pplicati       |           |    |           |              |                        |
|   |   |                |           |    |           | 1385         |                        |
|   |   |                |           |    |           | 1408         |                        |
| 3 Adjustment for forecast (2-1)                 |   |                |           |    |           |              | cfs                    |
| 9   |   |                |           |    |           | 1393         |                        |
| 5 This week target flow with adjustment (3 + 4) |   |                |           |    |           | 1416         | cfs                    |
| Average Daily Target Flow <sup>2</sup>          |   |                |           |    |           | 1416         | cfs                    |
|   | TTFF form                               | ula coefficien | ts        |    |           |              |                        |
|   |   |                |           | _  | /=-1      |              |                        |

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.

Forecast Precipitation (β4)

Forecast PET (β5)

-96 31

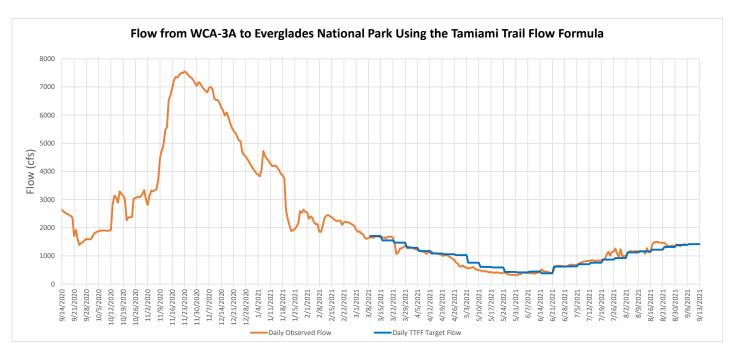
Regulation Schedule Stage (β6)

Previous 7-day Average Flow (β3)

0 644

NESRS2 Stage (β2)

WCA-3A Average Stage (β1)



<sup>&</sup>lt;sup>1</sup>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.

<sup>&</sup>lt;sup>2</sup>Actual discharges may vary from target discharges because of changing hydrologic conditions.