

SWIL for BMAP Use: Webinar Comment Summary

45th Space Wing-Cape Canaveral Air Force Station/Patrick Air Force Base

Input:

- Rainfall POR – Option 1 2004-2017 POR
- Rainfall Aggregation – Option 1 Average Monthly Rainfall for “Representative Year”
- Allocations Under Current TMDL – Option 1 Percent Reduction

Questions:

- For the land uses and basin boundaries, MSE (formerly 3E) updated both in 2014 in which the 45SW submitted to the FDEP on 2 Sept 2015, and MSE submitted on 13 July 2017, reference attached emails. Have these shapefiles been incorporated into the SWIL? If not, the Air Force is looking for assurances that they will be incorporated before setting allocations.
- For the PLSM, ERPs after the year 2000 were not included. Is this the same case for the SWIL? If not, what year did the incorporated ERPs end?

**** Wants to hold meeting any day after January 22 to discuss these questions about the SWIL.****

FDACS

Questions:

- Will there be a “cleaned up” version of the LULC2015_v10_topologycheck shapefile that is posted on the FTP site? There are inconsistent land use description categories in LULC2015_v10_topologycheck. (Please see attached summary of categories).
- Also, please clarify what is the difference between LC2015 and LC2015_MOD and Sum_Acres and Sum_Acres_2?

FDOT

District 4 Input:

- Rainfall POR:
 - FDOT District Four recommends: Option 1, use 2004 – 2017
- Rainfall Aggregate:
 - FDOT District Four recommends: Option 1, run model using monthly averages
- TMDL number to use to develop Allocation:
 - FDOT District Four recommends: Option 1, take SWIL Loading and apply Percent Reductions from TMDL Rule (Table 6.3a in TMDL and shown on slide 21 of presentation).

District 5 Input:

- Rainfall POR:
 - FDOT District Five recommends: Option 1, use 2004 – 2017
- Rainfall Aggregate:
 - FDOT District Five recommends: Option 1, run model using monthly averages
- TMDL number to use to develop Allocation:

- FDOT District Five recommends: Option 1, Take SWIL Loading and apply TMDL % reductions from Tables 6.3a and b in TMDL.

Titusville

Input:

- The allocations for WBID 2963E increase by either 53% or 149% depending on the option, that WBID includes federal lands. Could the fact that you haven't clipped out natural lands be the reason why the allocations for that WBID may have increased so much? Our City is in that same WBID so I just need to verify that our allocations should not increase by that much when the process is complete. If our allocations were to increase by 50 -150% we would need to have extra years added on to end of the BMAP to make it even feasible to reach those extra goals?
- Also option 1 for the allocations (percent reduction) is the only option that I think may work, in option 2 you are trying to compare two different models and I don't think that works. I also think it would help the jurisdictions to be able to buy into this if we knew what the change in each of our allocations was going to be. I think the quicker in the process we can get that information the better.

SJRWMD

Input:

- The period of record for rainfall should probably be chosen based on being conservative for the areas where loads are driven primarily by rainfall. For example, loads to Banana River Lagoon may not be driven primarily by rainfall given the size of its watershed.
- If there is evidence that the results of a model run based on average monthly rainfall yields similar outcomes to the results of averaging loads across multiple runs of the model, then either approach to aggregating rainfall is likely to be acceptable.
- Option 1 for deriving allocations seems to make the most sense if I am correct in thinking that it retains the link to depth distribution of seagrass as the target while using the output of the SWIL model.

Brevard County

Input:

- In favor of Option 1 for all 3 questions - the shorter POR that is most protective of the Banana River, combining that POR rainfall into monthly averages used to run SWIL for our average baseline condition, and applying the % reduction from the adopted TMDLs.