

# MS Teams Meeting Tips

- Keep your mic on mute unless speaking
- Use the Chat Feature to ask questions and/or “raise hand to speak”
- Don’t make funny faces if your camera is on!



South Carolina Department of Health and Environmental Control

---

# Safe Yield Workgroup

Meeting #3

---



# Agenda

- Welcome
- Work Group Topic and Goal
- New Registrations and Impact to SY Allocations (Edisto)
- Alt SY Evaluation -(Percent Exceedance –MIF )
- Need for Meeting #4? Set Agenda
- Adjourn

# Workgroup Timeline

<del>January 21</del>		<del>Workgroup Kick Off</del>
<del>February 18</del>		<del>Evaluation of Alternative Calculations</del>
<del>March 17</del>	April 14	Evaluation of Alternative Calculations
<del>April 14</del>	??	Discussion -Wrap Up
May 15?		Summary Report

## Goal

To evaluate how safe yield is currently calculated and to examine possible alternative calculations that the Department should consider.

\* Any changes to the Safe Yield Calculation would require a regulation change (Separate Process)

# Workgroup Topic



Permit Duration

Exemptions

Hierarchy of Use

Inter-basin  
Transfers

**Safe Yield Calculation in R61 -119**

Grandfathered  
Permits

Minimum Instream Flow Values

Public Participation  
Requirements



# How will alternatives be evaluated?

Is it allowable under current law?

Is it scalable to Statewide Permitting Process?

Is calculation protective of the resource (while still allowing for use of the resource) across varied stream types?

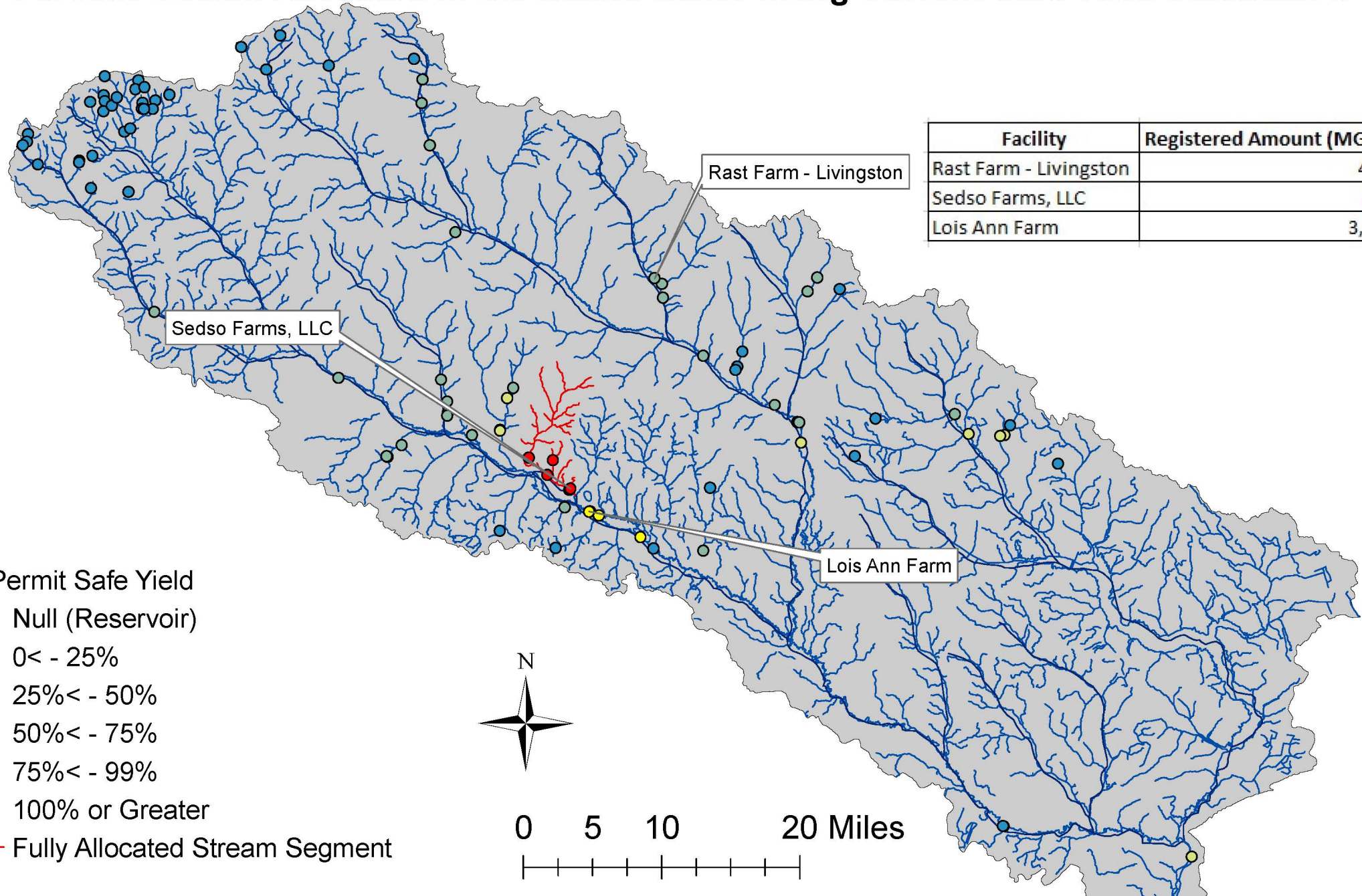
Can the evaluation be done given the Departmental resources?



# New Users in Edisto Basin and impact to SY allocation



# Percent Stream Allocated in the Edisto Basin Using Current Safe Yield Calculation

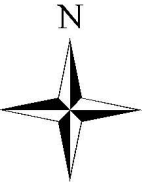


Facility	Registered Amount (MGM)
Rast Farm - Livingston	40.7
Sedso Farms, LLC	450
Lois Ann Farm	3,200

**% Permit Safe Yield**

- Null (Reservoir)
- 0 < - 25%
- 25% < - 50%
- 50% < - 75%
- 75% < - 99%
- 100% or Greater

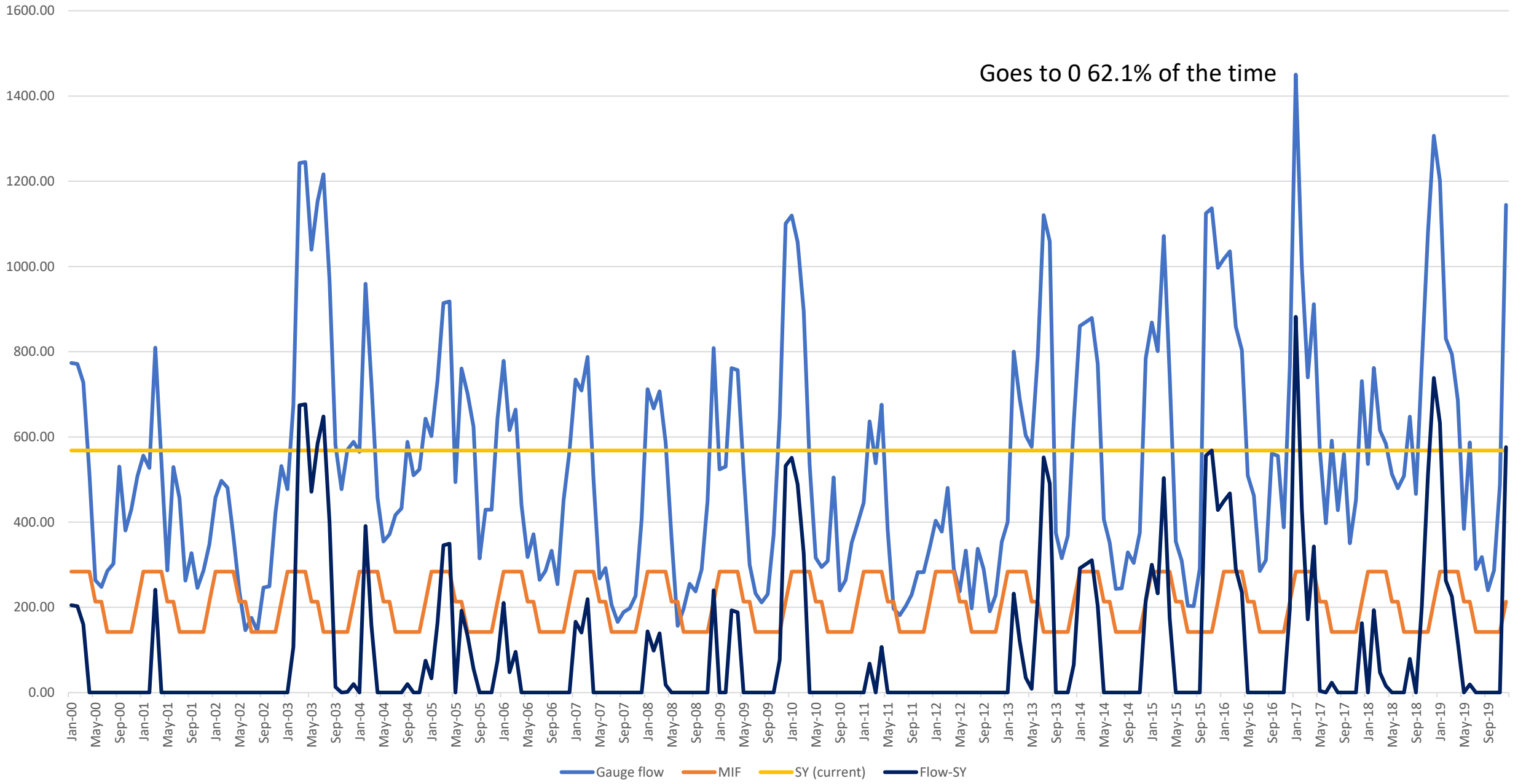
— Fully Allocated Stream Segment





# How Often is “Safe Yield” Currently in the River?

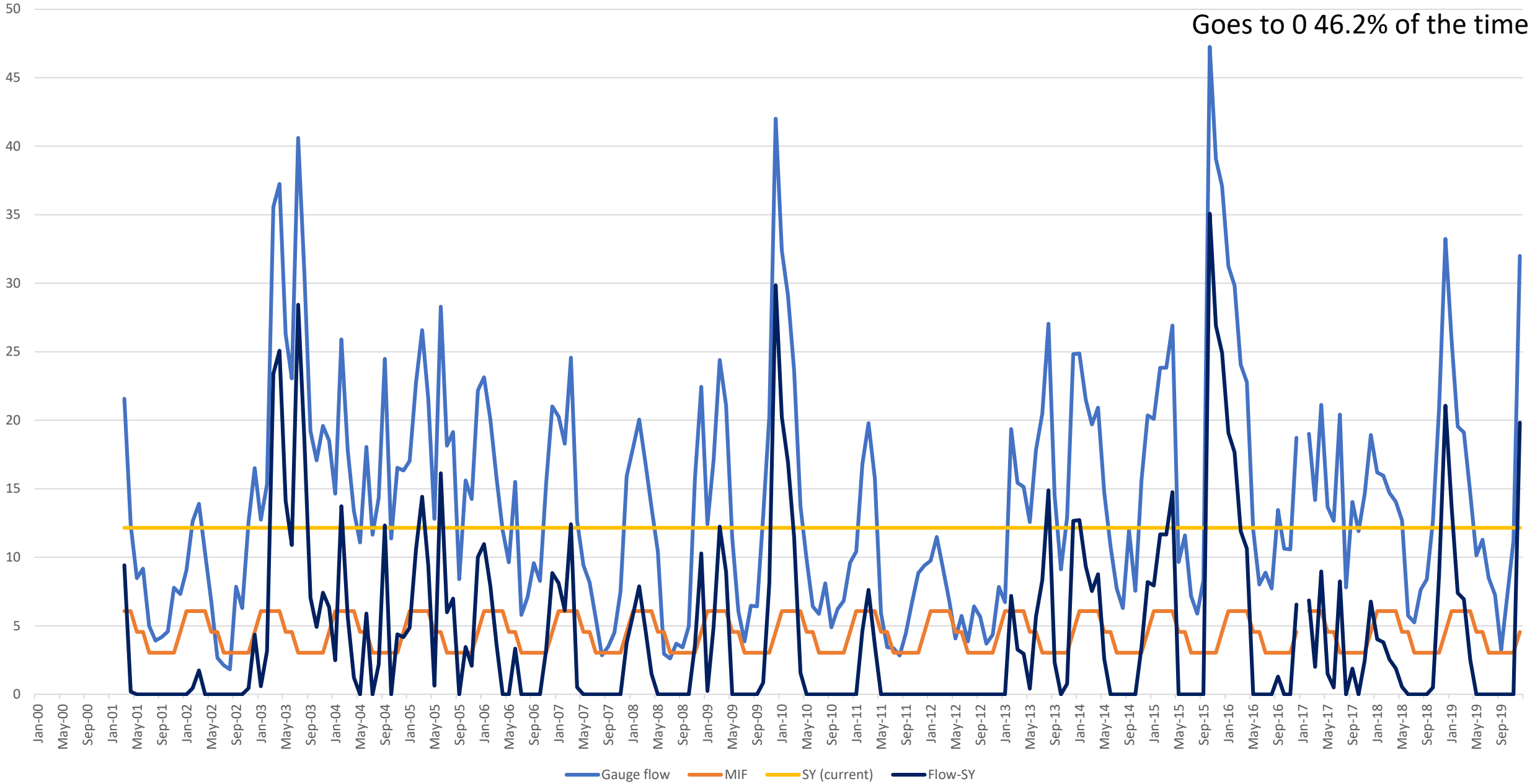
# South Fork Edisto River near Denmark, SC (02173000) Flow-SY



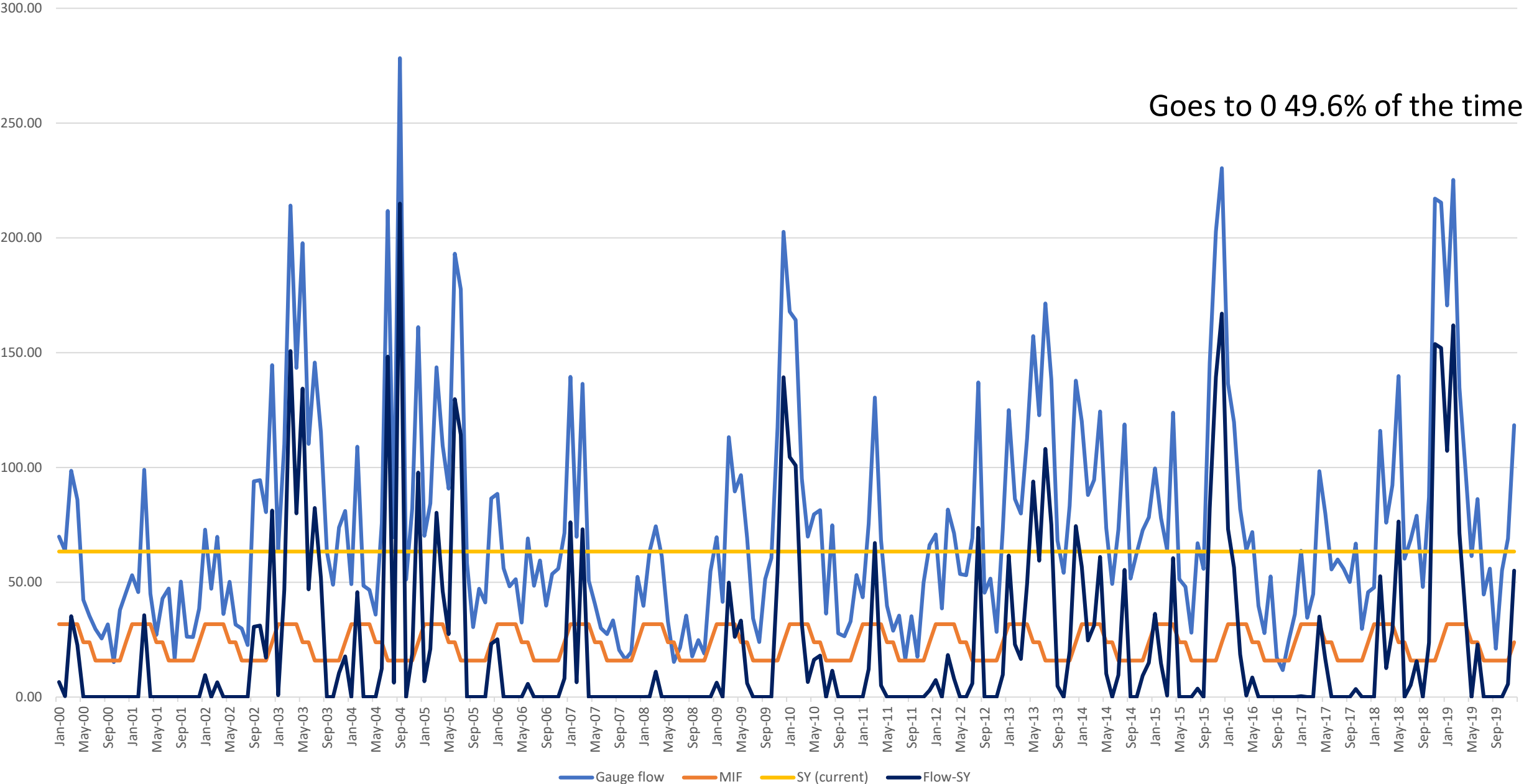
Goes to 0 62.1% of the time

— Gauge flow — MIF — SY (current) — Flow-SY

# McTier Creek near Monetta, SC (02172300) Flow-SY

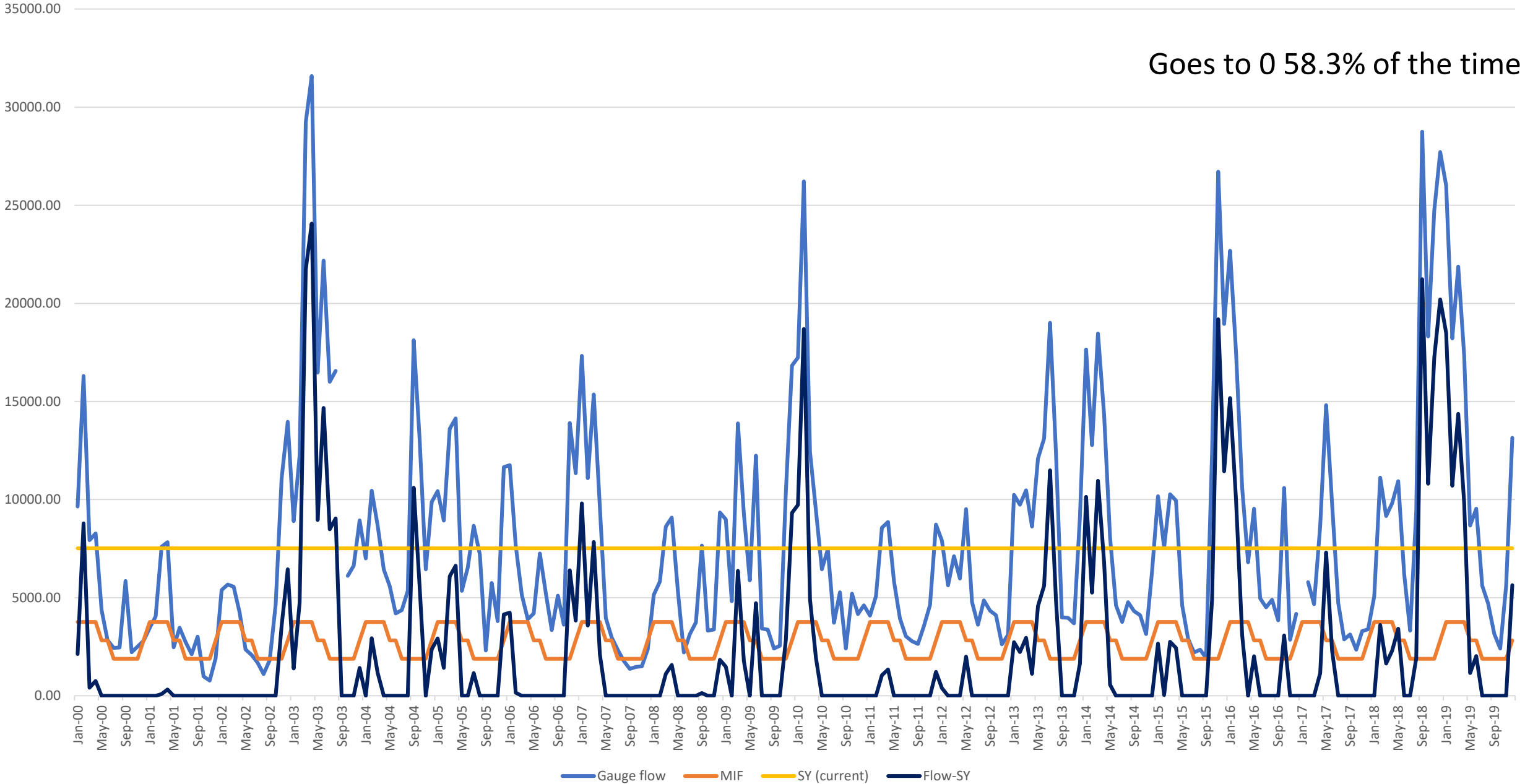


Reedy River near Greenville, SC (02164000) Flow-SY



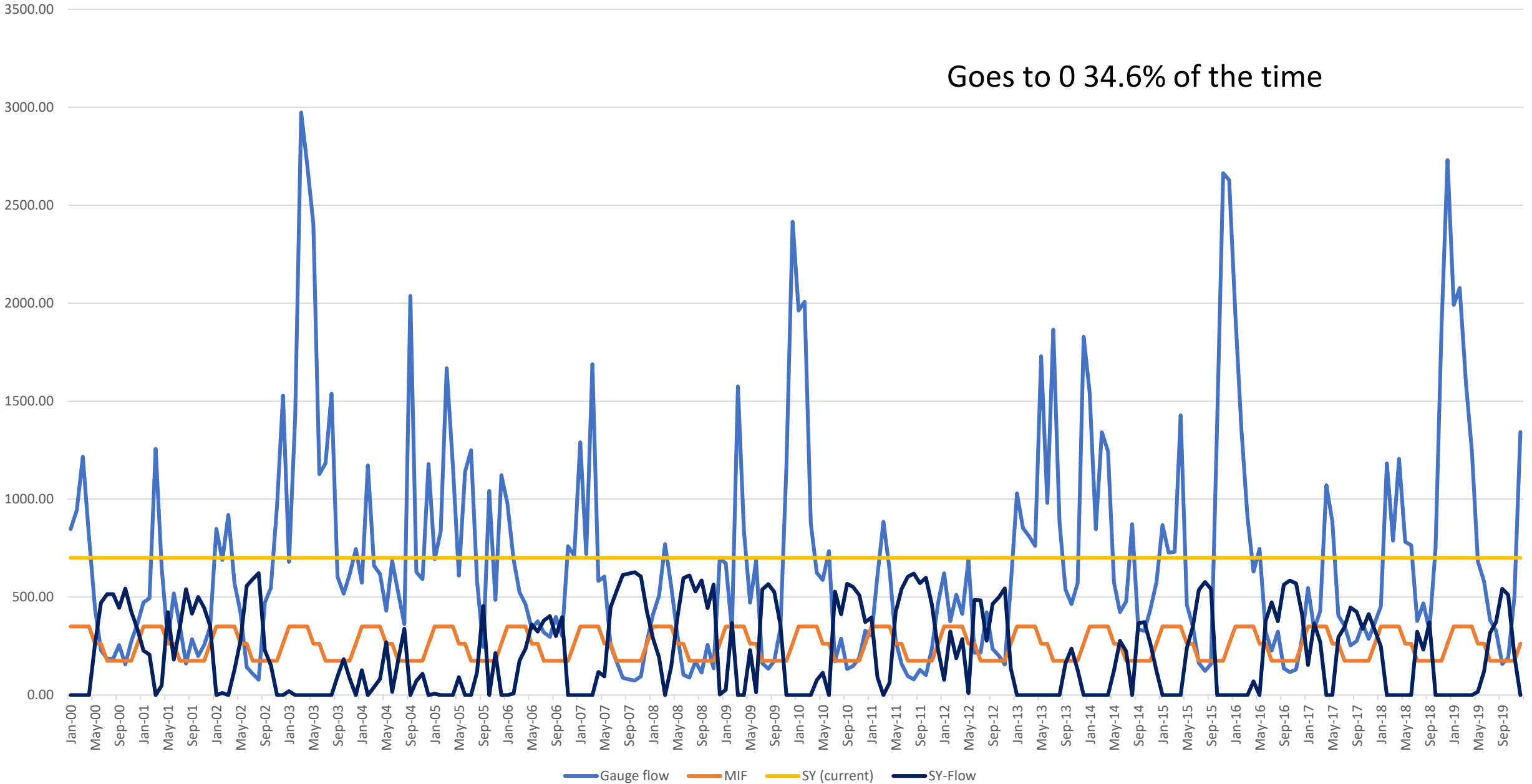
# Pee Dee River at Pee Dee, SC (02131000) Flow-SY

Goes to 0 58.3% of the time



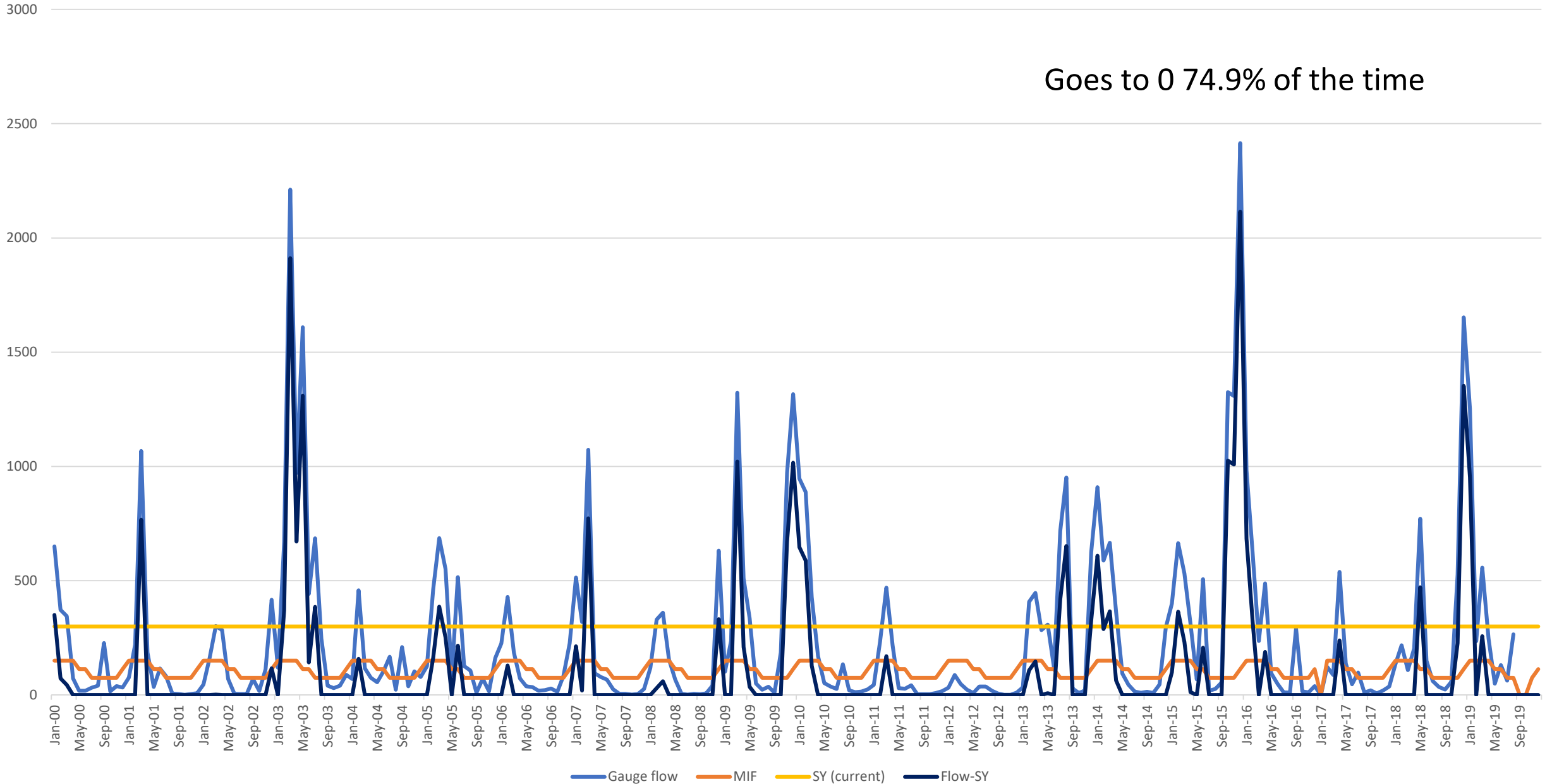
# Tyger River near Delta, SC (02160105) Flow-SY

Goes to 0 34.6% of the time



# Steven's Creek near Modoc, SC (02196000) Flow-SY

Goes to 0 74.9% of the time







South Carolina Department of Health and Environmental Control

---

# SY Alternative

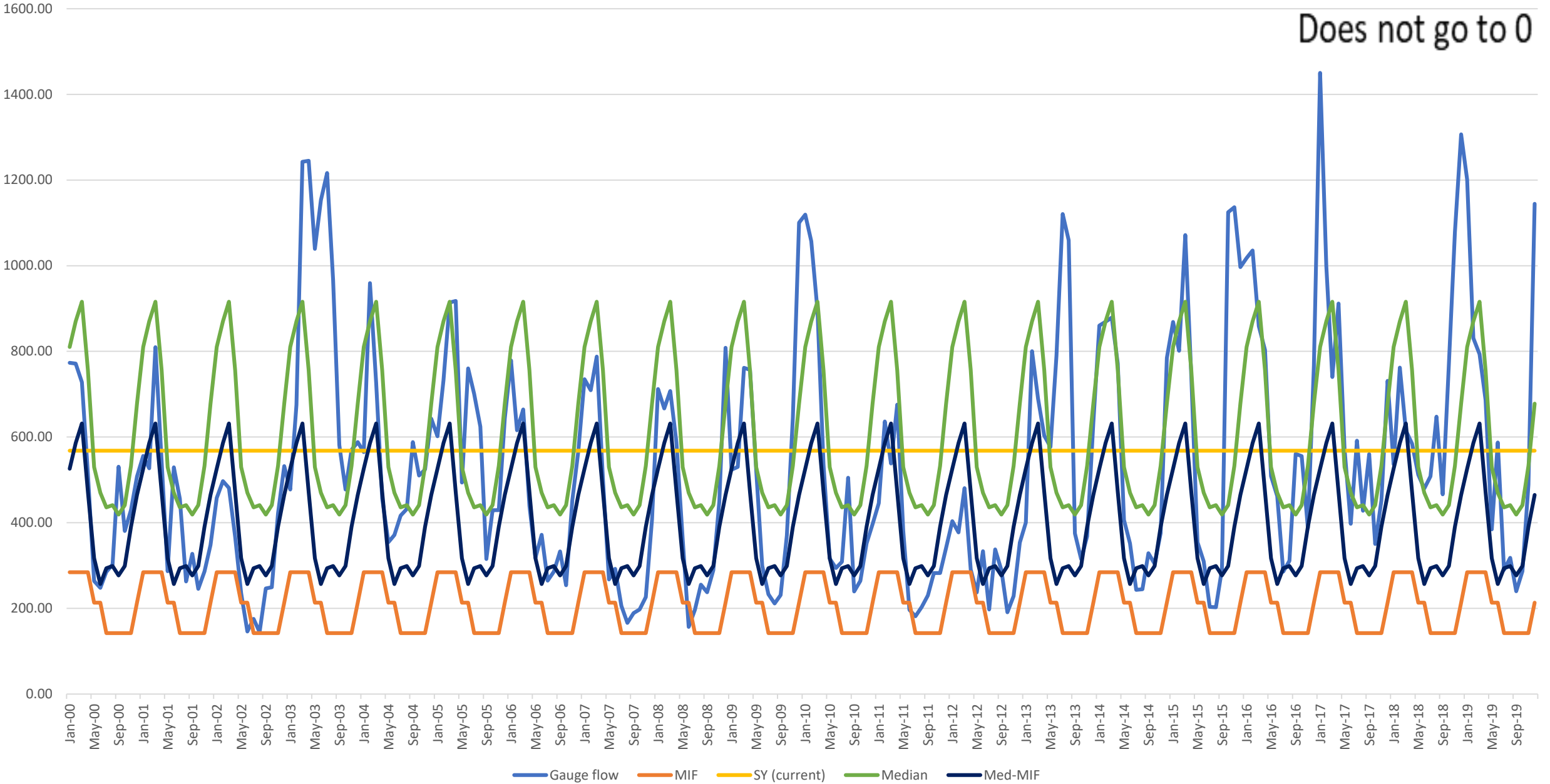
Percent Exceedance (50, 60, 75, 80, 90) – MIF

---

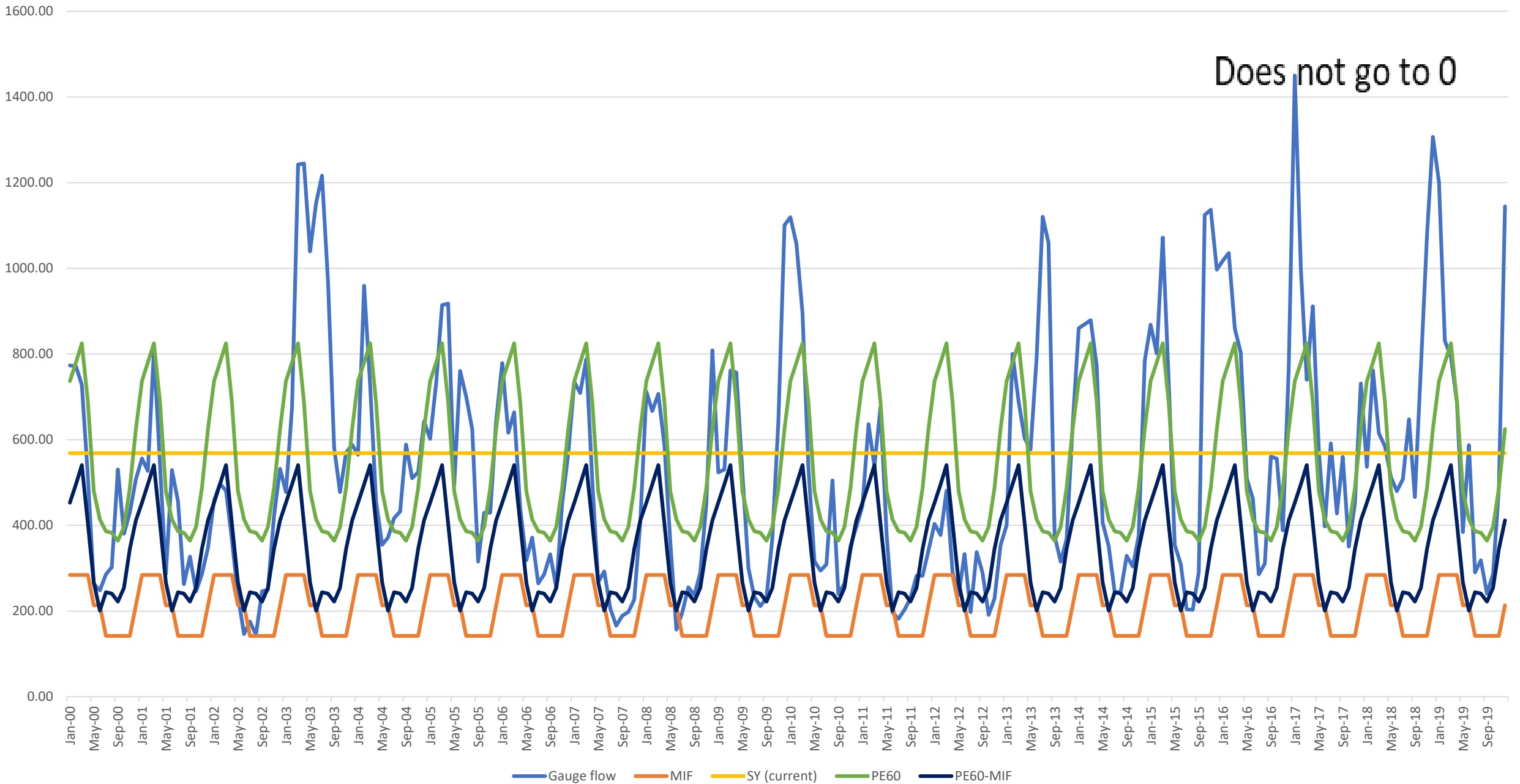
South Fork Edisto River  
near Denmark, SC (02173000)

South Fork Edisto River near Denmark, SC (02173000) Median - MIF

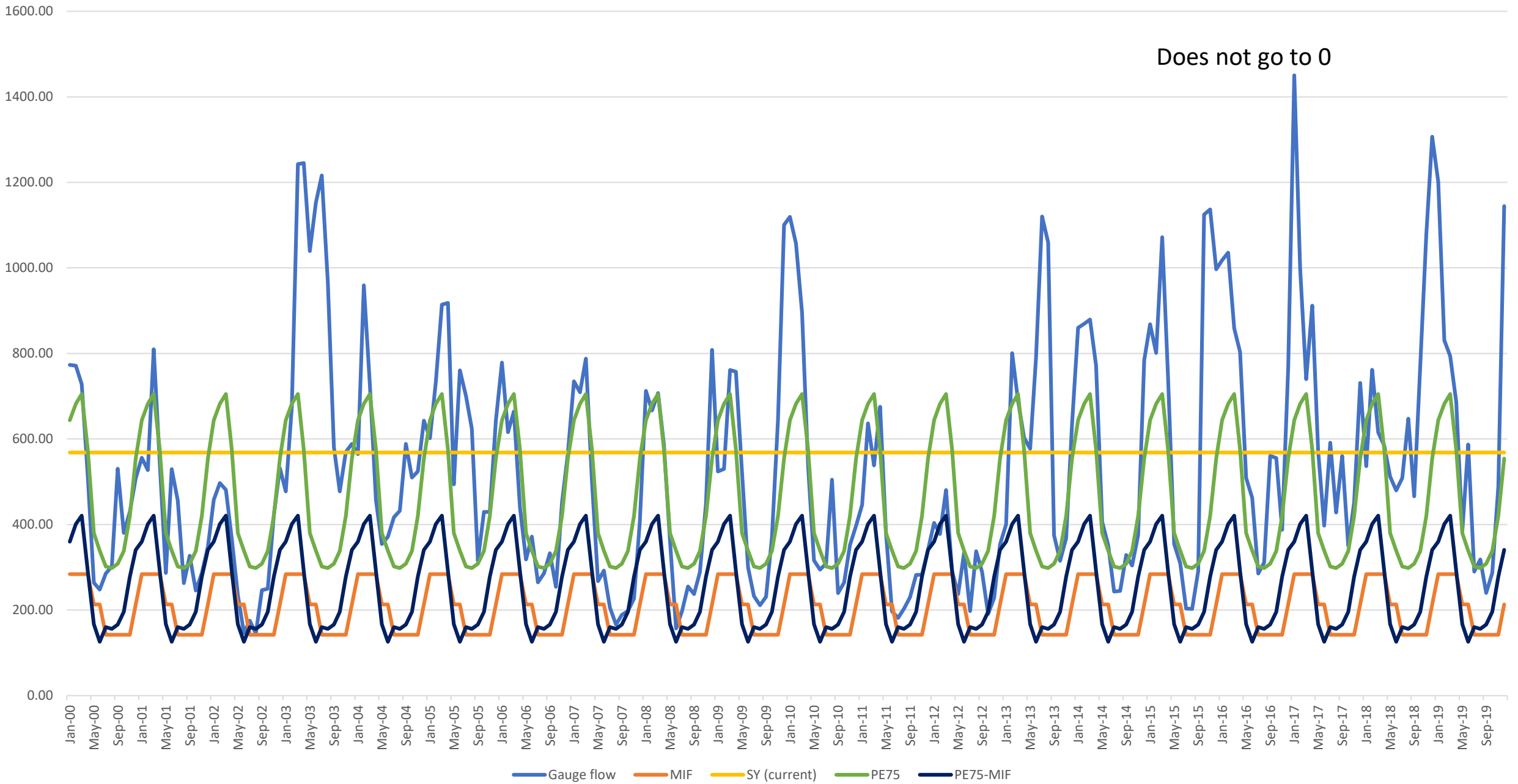
Does not go to 0



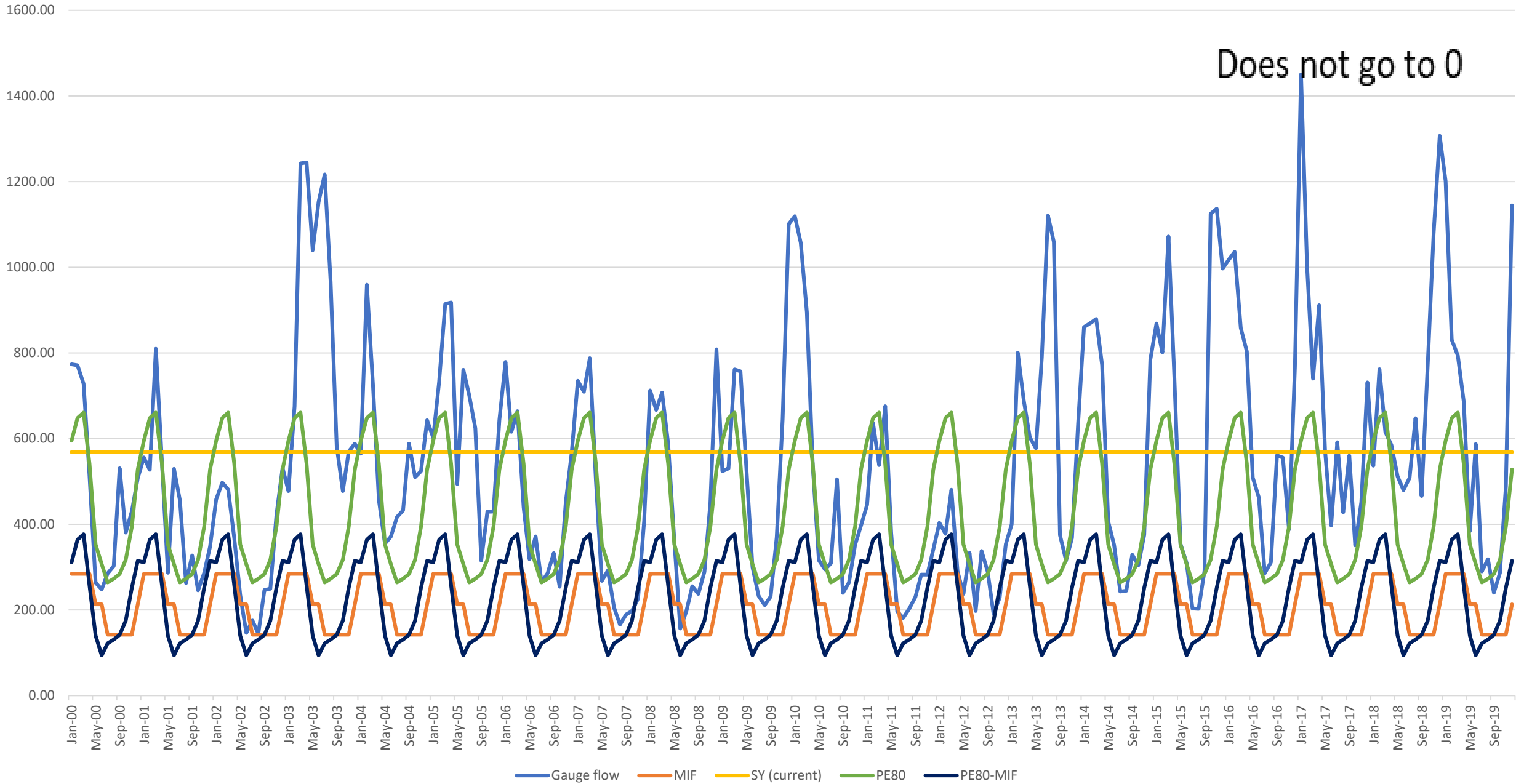
South Fork Edisto River near Denmark, SC (02173000) PE60-MIF



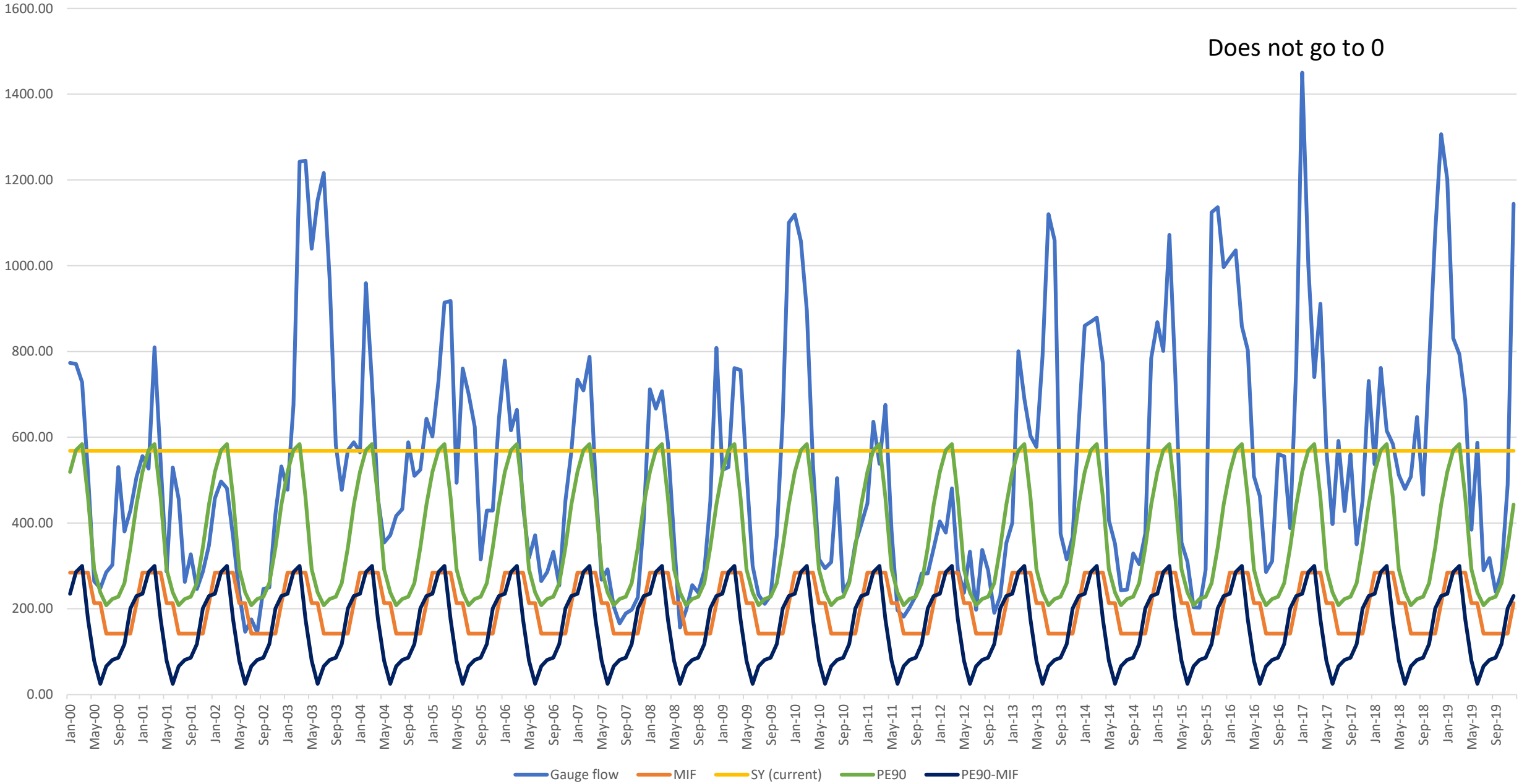
South Fork Edisto River near Denmark, SC (02173000) PE75-MIF



South Fork Edisto River near Denmark, SC (02173000) PE80-MIF



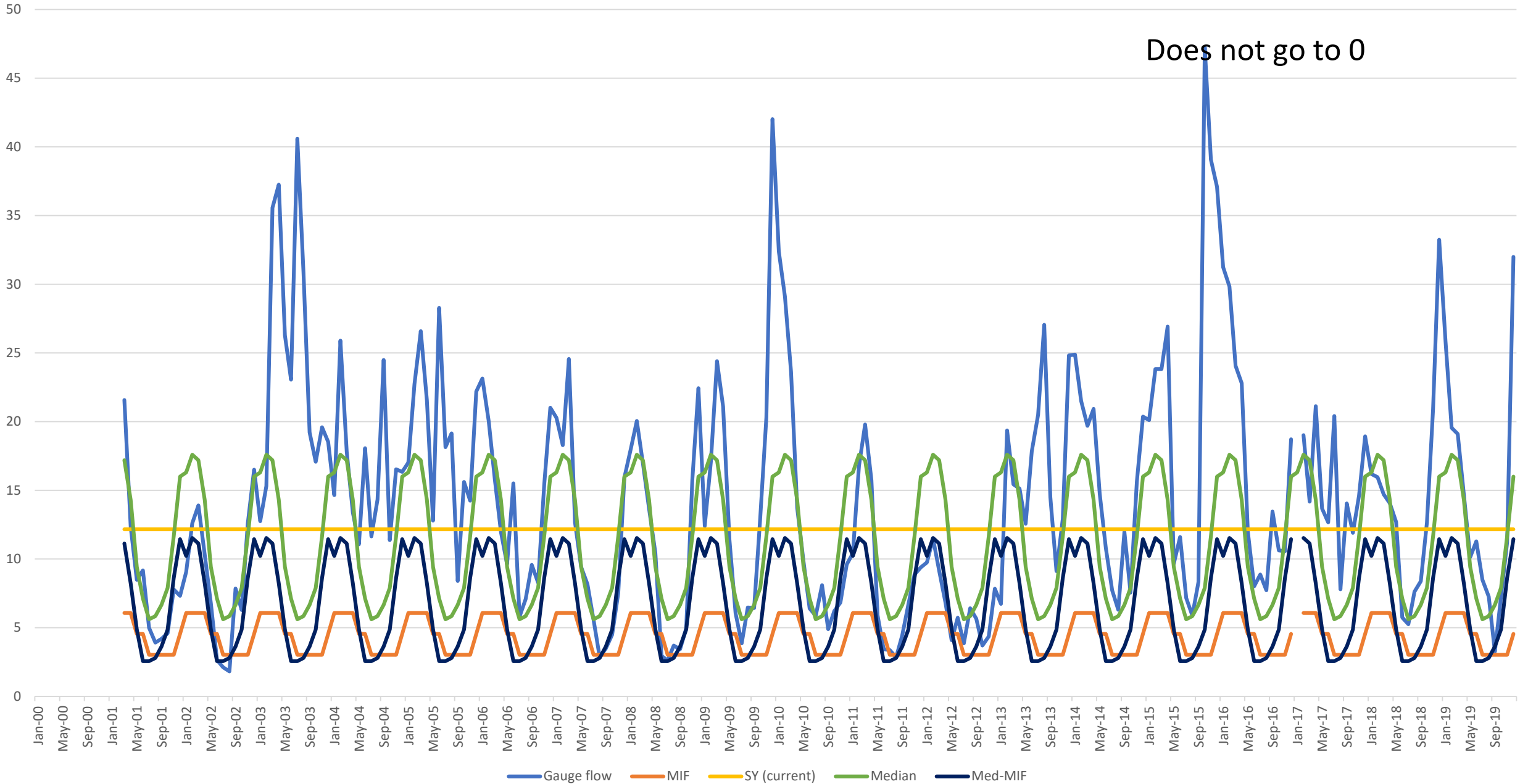
South Fork Edisto River near Denmark, SC (02173000) PE90-MIF



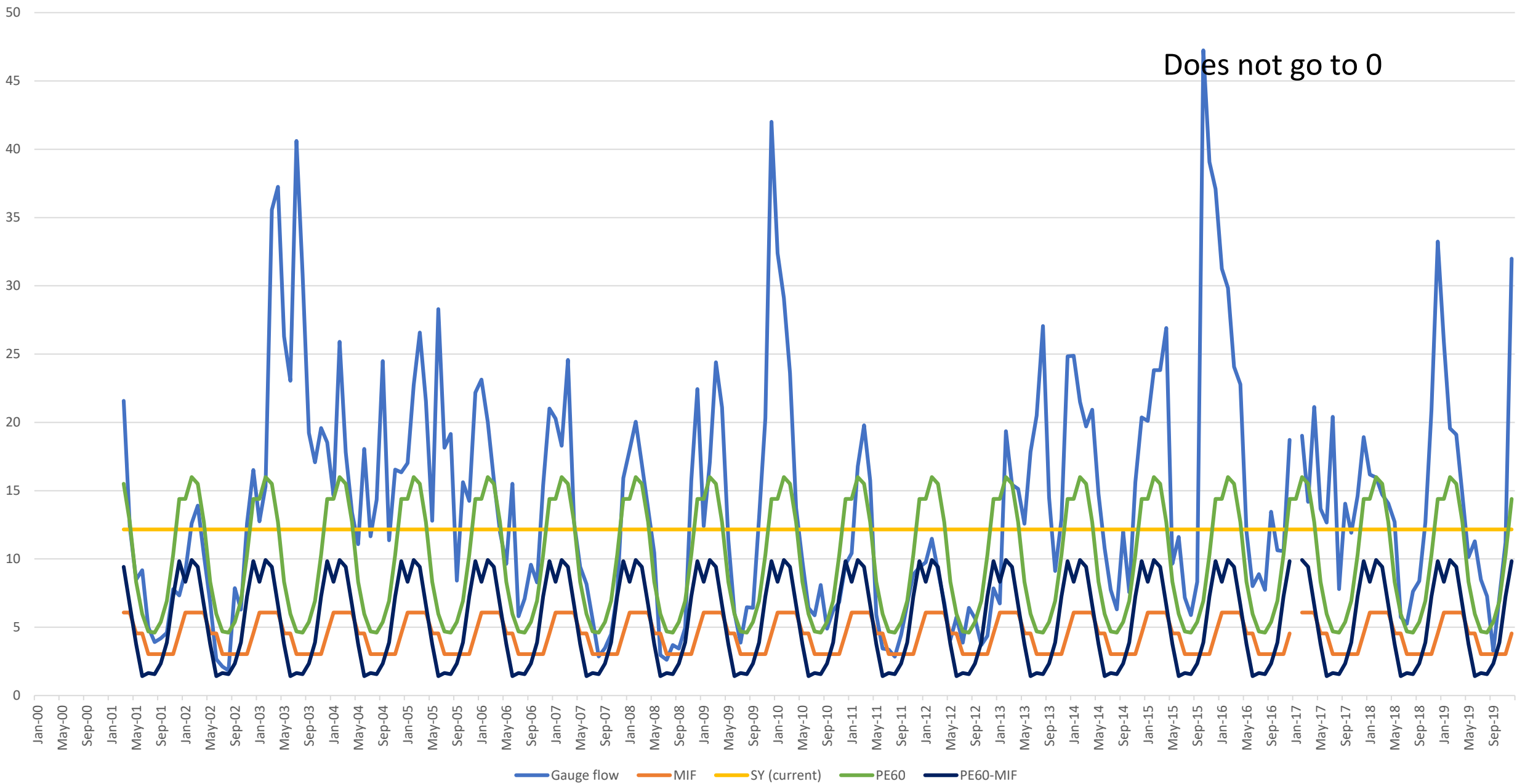
McTier Creek near Monetta, SC (02172300)



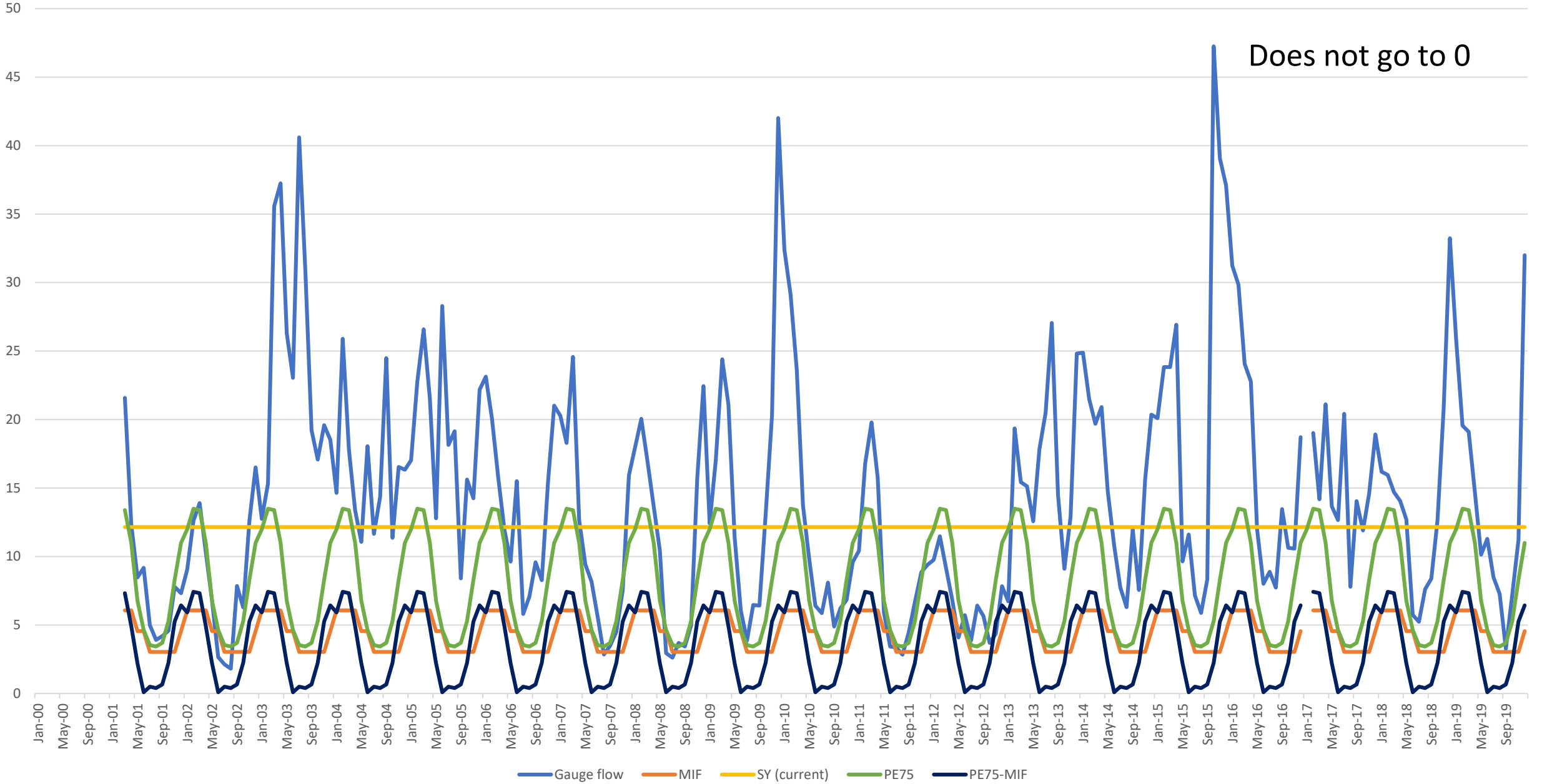
McTier Creek near Monetta, SC (02172300) Median - MIF



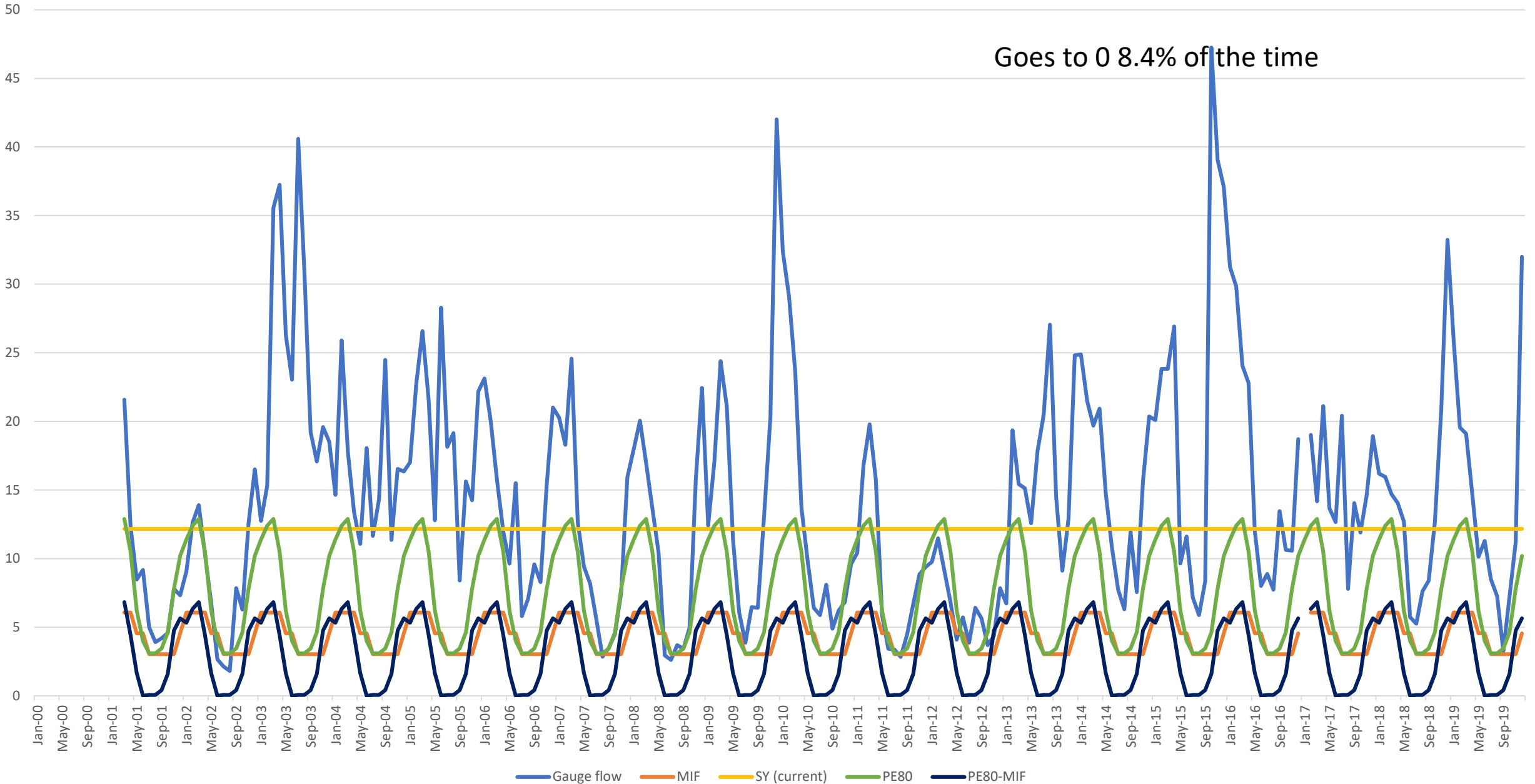
McTier Creek near Monetta, SC (02172300) PE60-MIF



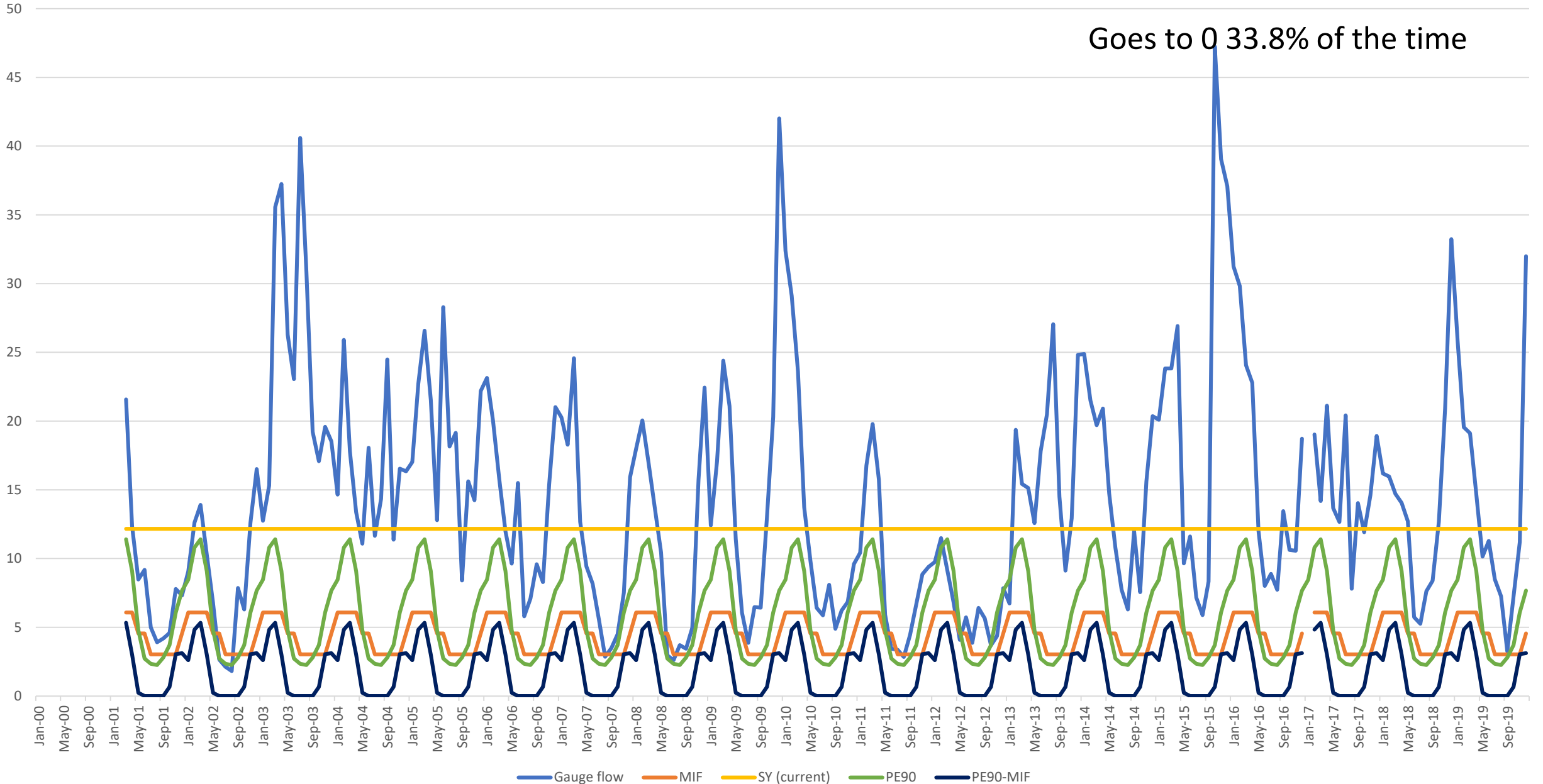
McTier Creek near Monetta, SC (02172300) PE75-MIF



McTier Creek near Monetta, SC (02172300) PE80-MIF



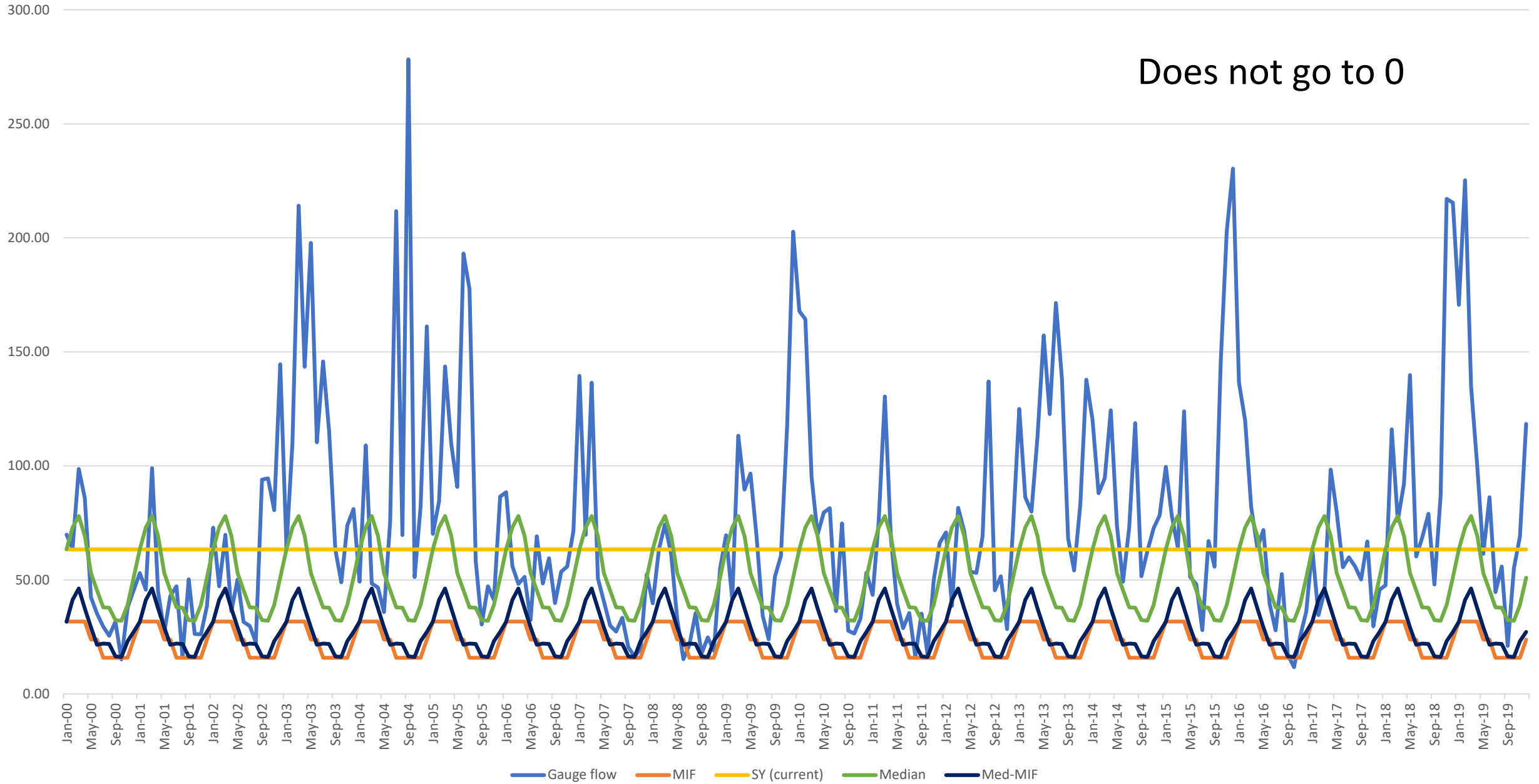
McTier Creek near Monetta, SC (02172300) PE90-MIF



Reedy River near Greenville, SC (02164000)

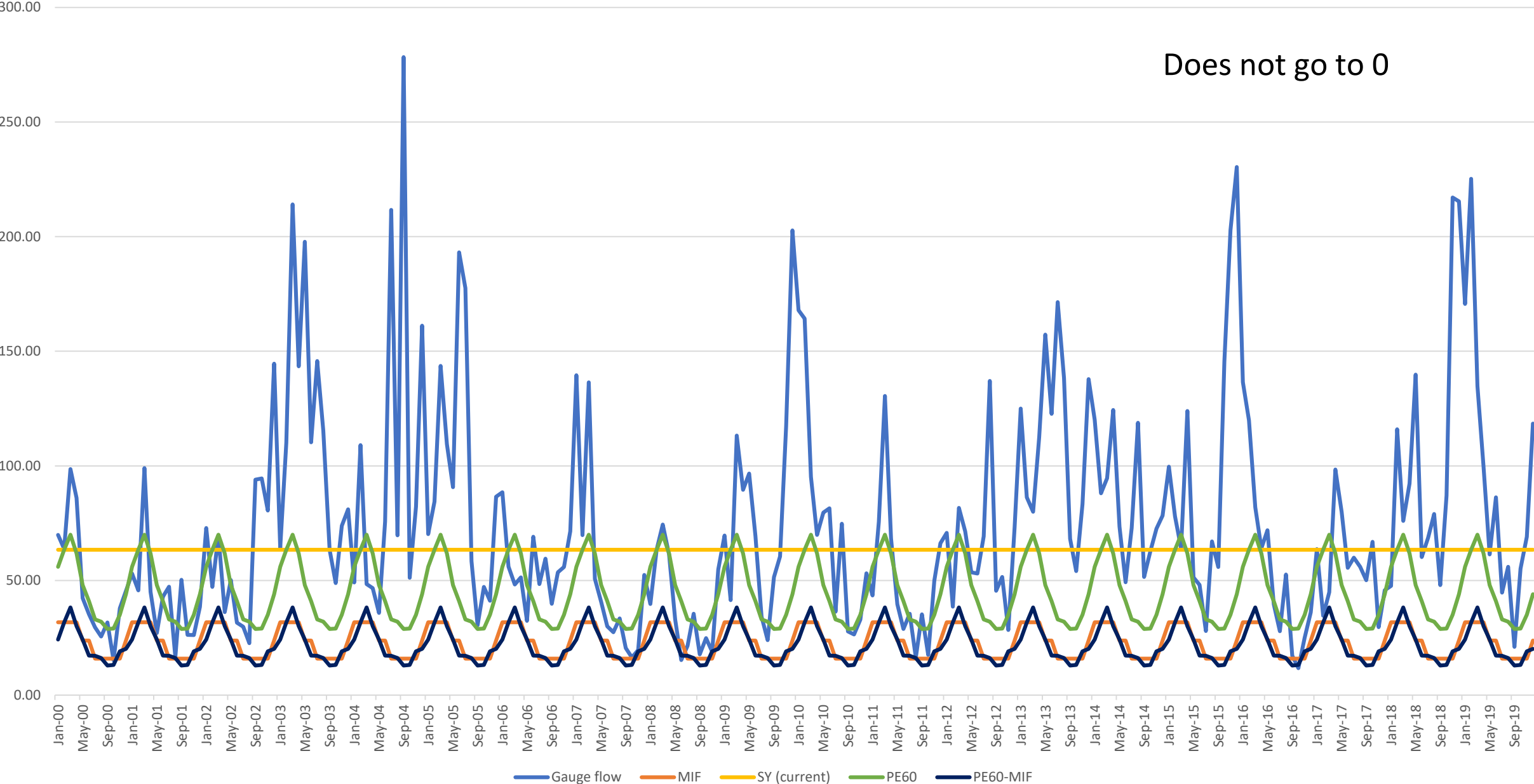
Reedy River near Greenville, SC (02164000) Median-MIF

Does not go to 0



Reedy River near Greenville, SC (02164000) PE60-MIF

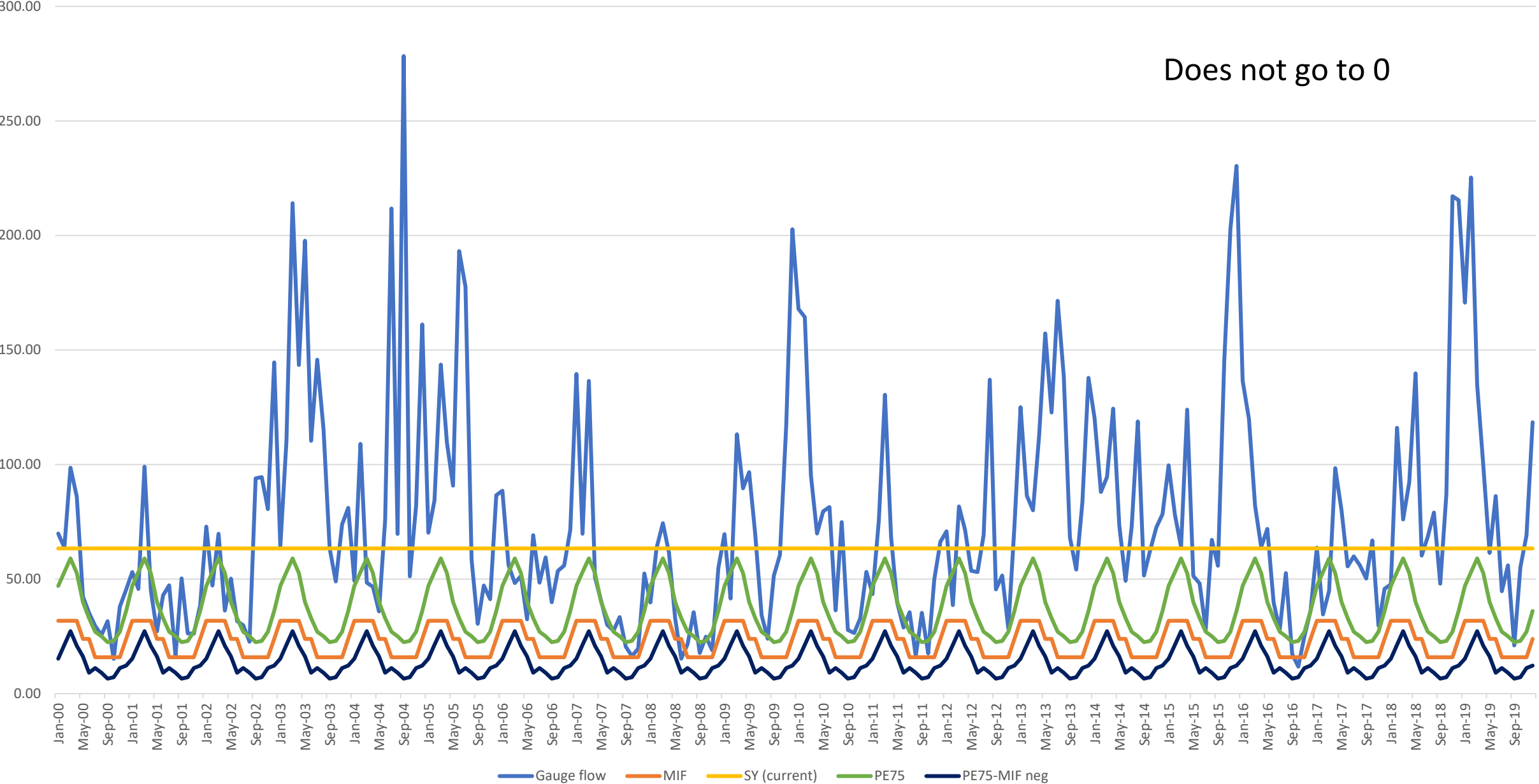
Does not go to 0





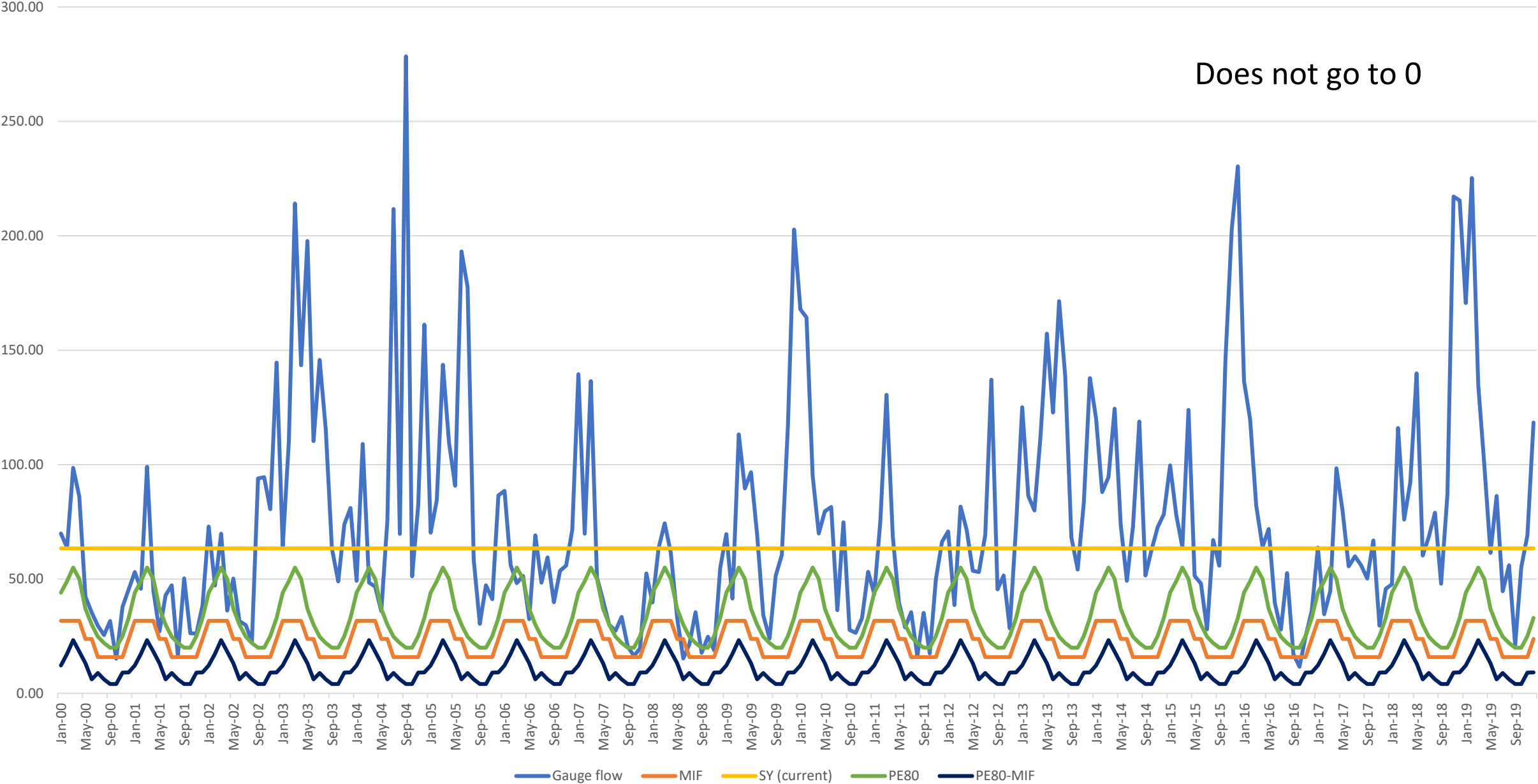
Reedy River near Greenville, SC (02164000) PE75-MIF

Does not go to 0



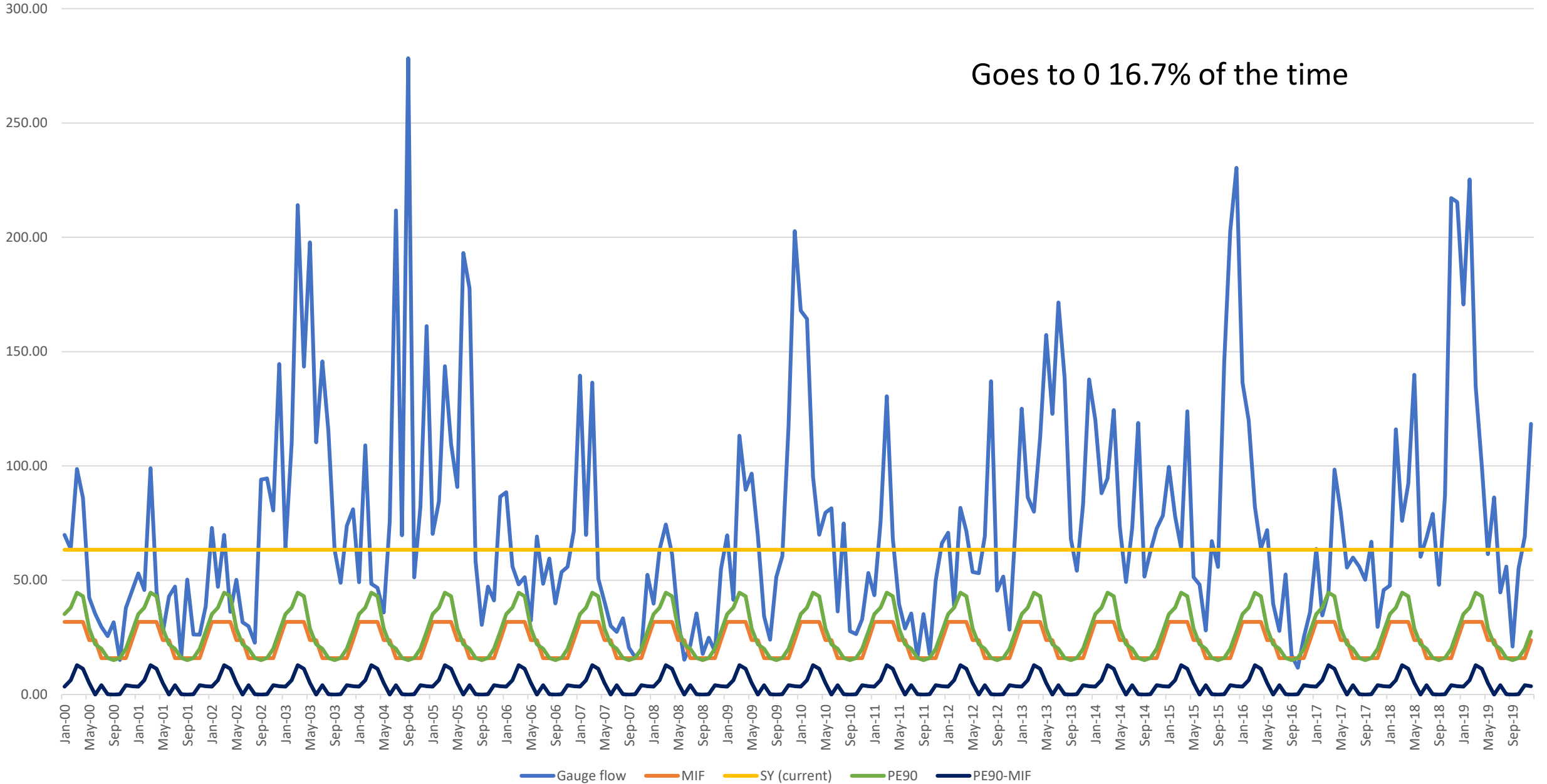
Reedy River near Greenville, SC (02164000) PE80-MIF

Does not go to 0



Reedy River near Greenville, SC (02164000) PE90-MIF

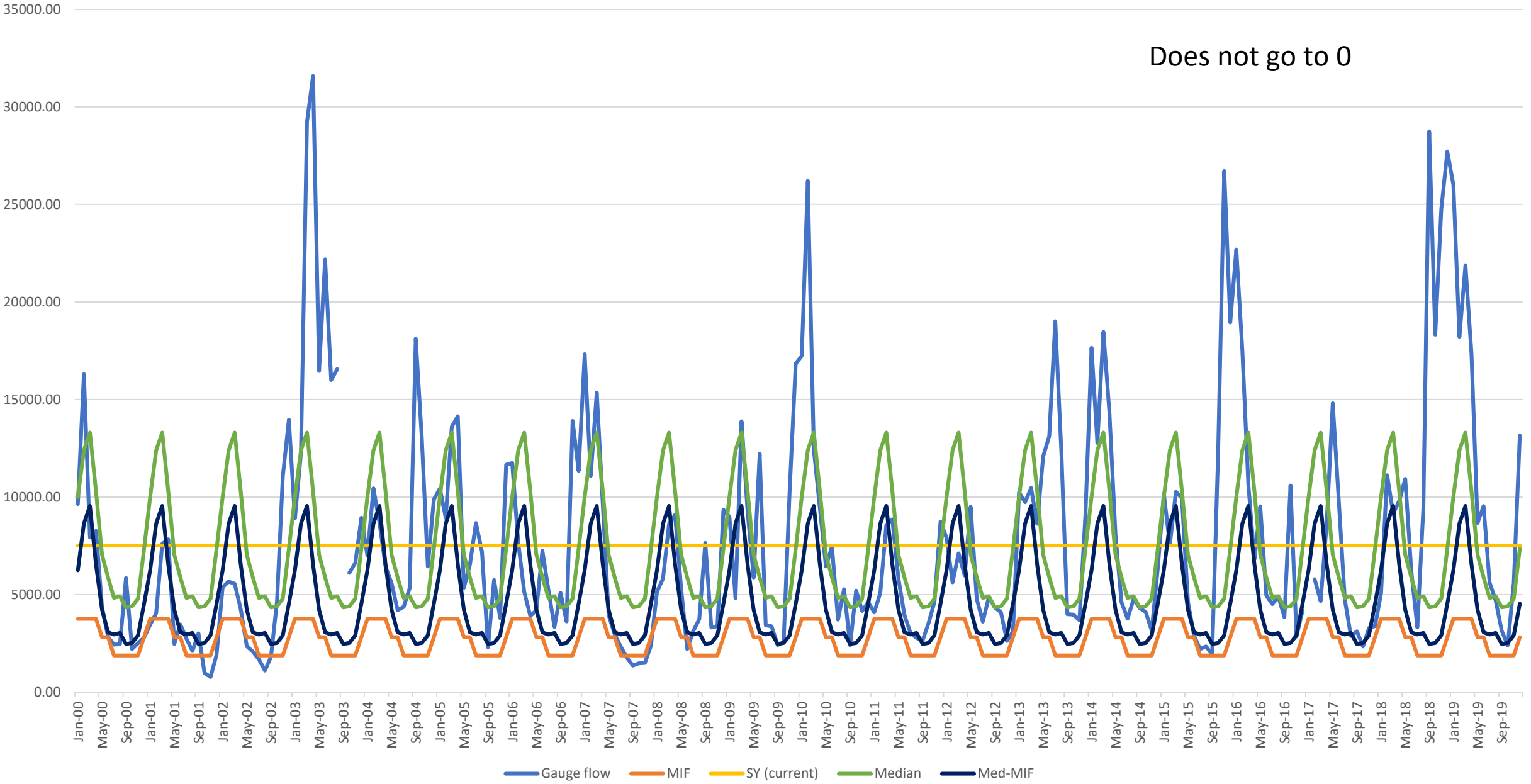
Goes to 0 16.7% of the time



Pee Dee River at Pee Dee, SC (02131000)

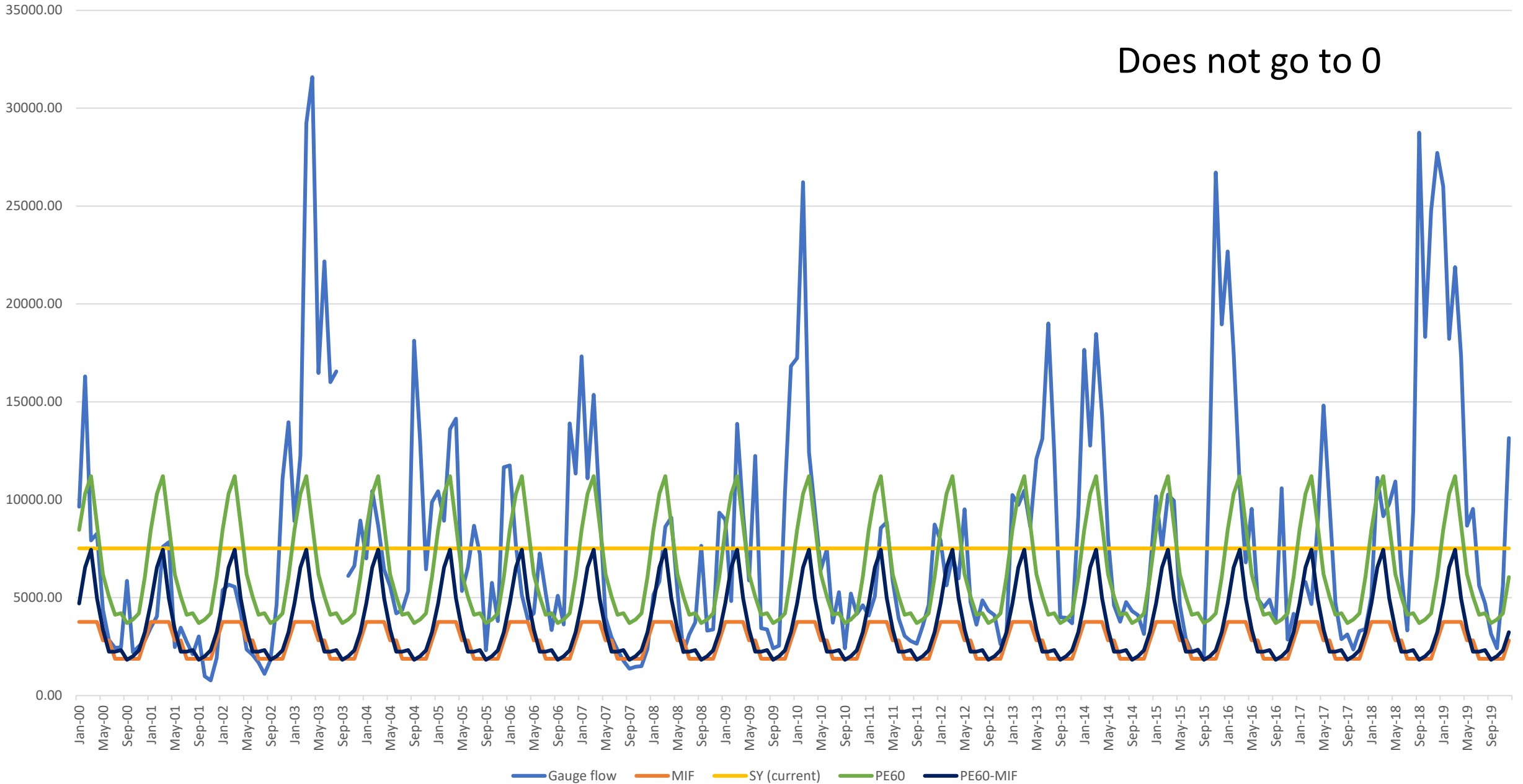
# Pee Dee River at Pee Dee, SC (02131000) Median-MIF

Does not go to 0



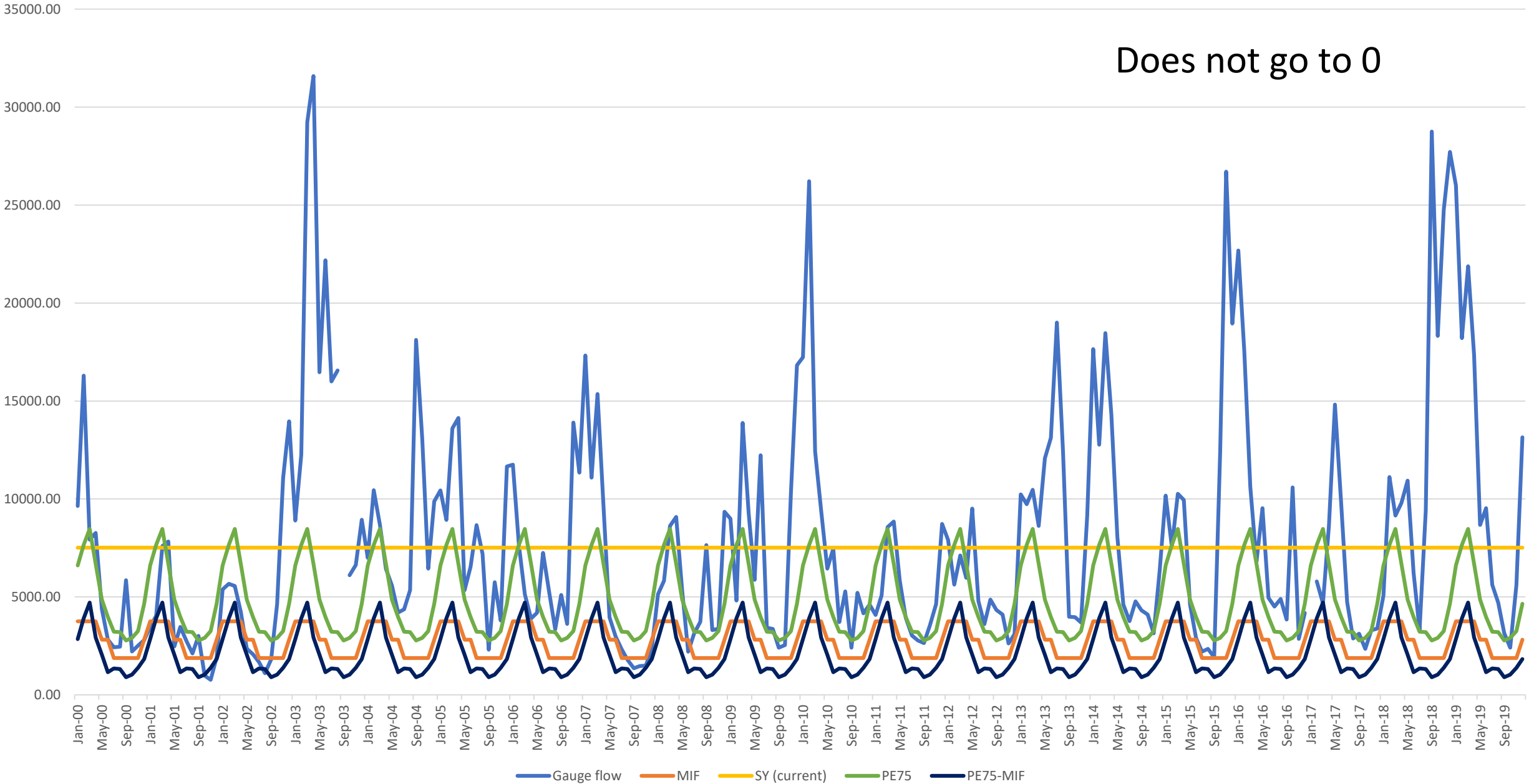
Pee Dee River at Pee Dee, SC (02131000) PE60-MIF

Does not go to 0



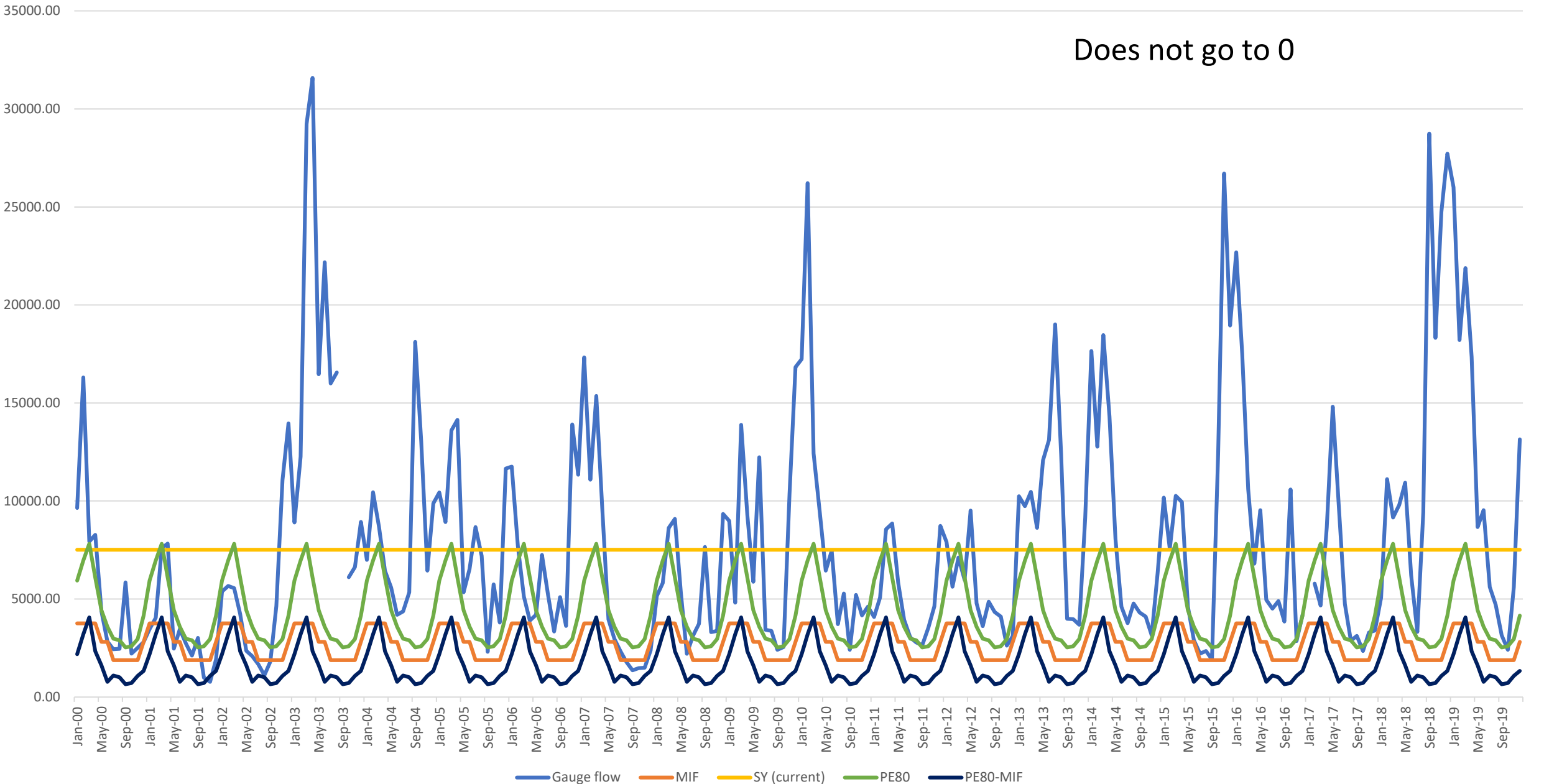
Pee Dee River at Pee Dee, SC (02131000) PE75-MIF

Does not go to 0



Pee Dee River at Pee Dee, SC (02131000) PE80-MIF

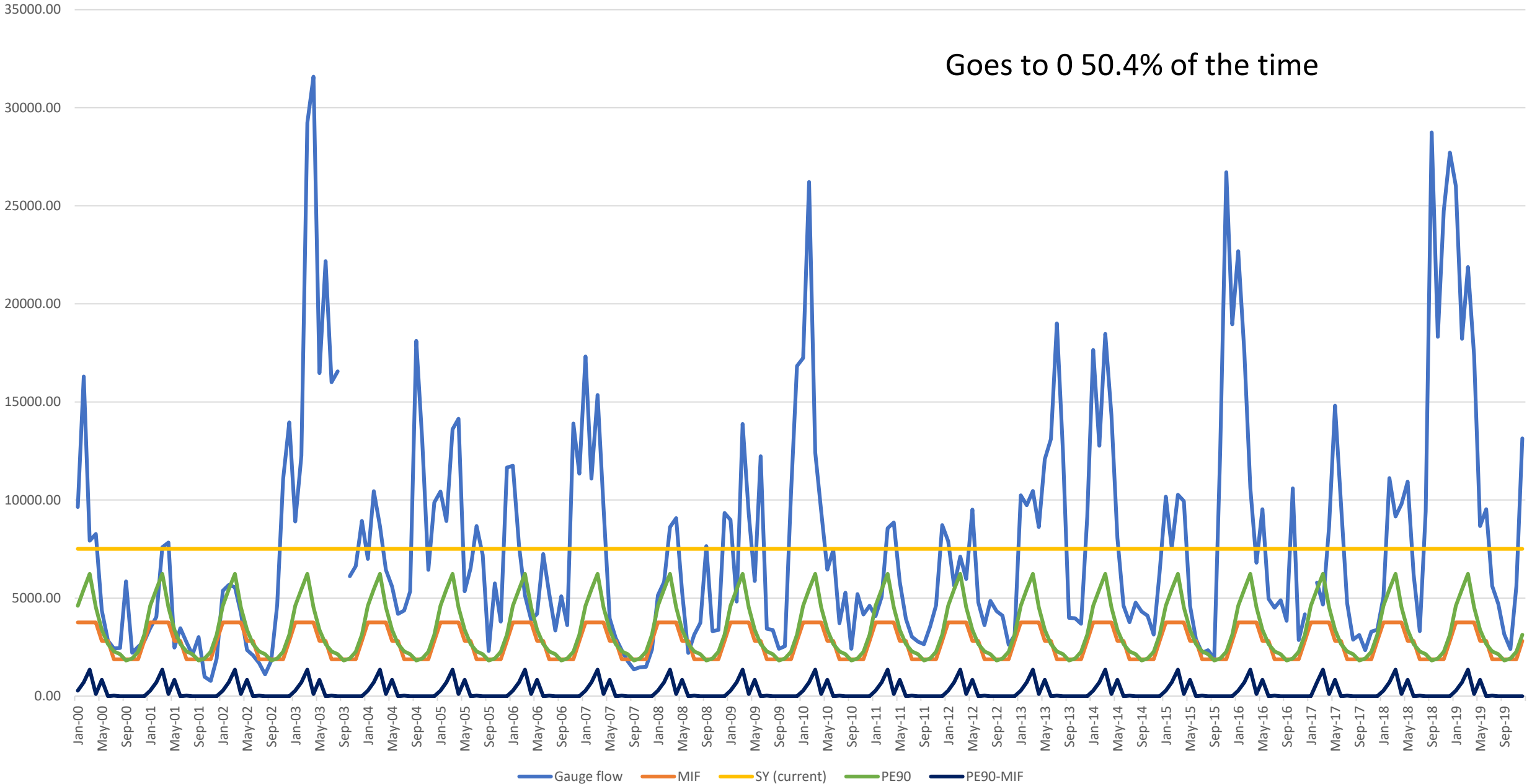
Does not go to 0





Pee Dee River at Pee Dee, SC (02131000) PE90-MIF

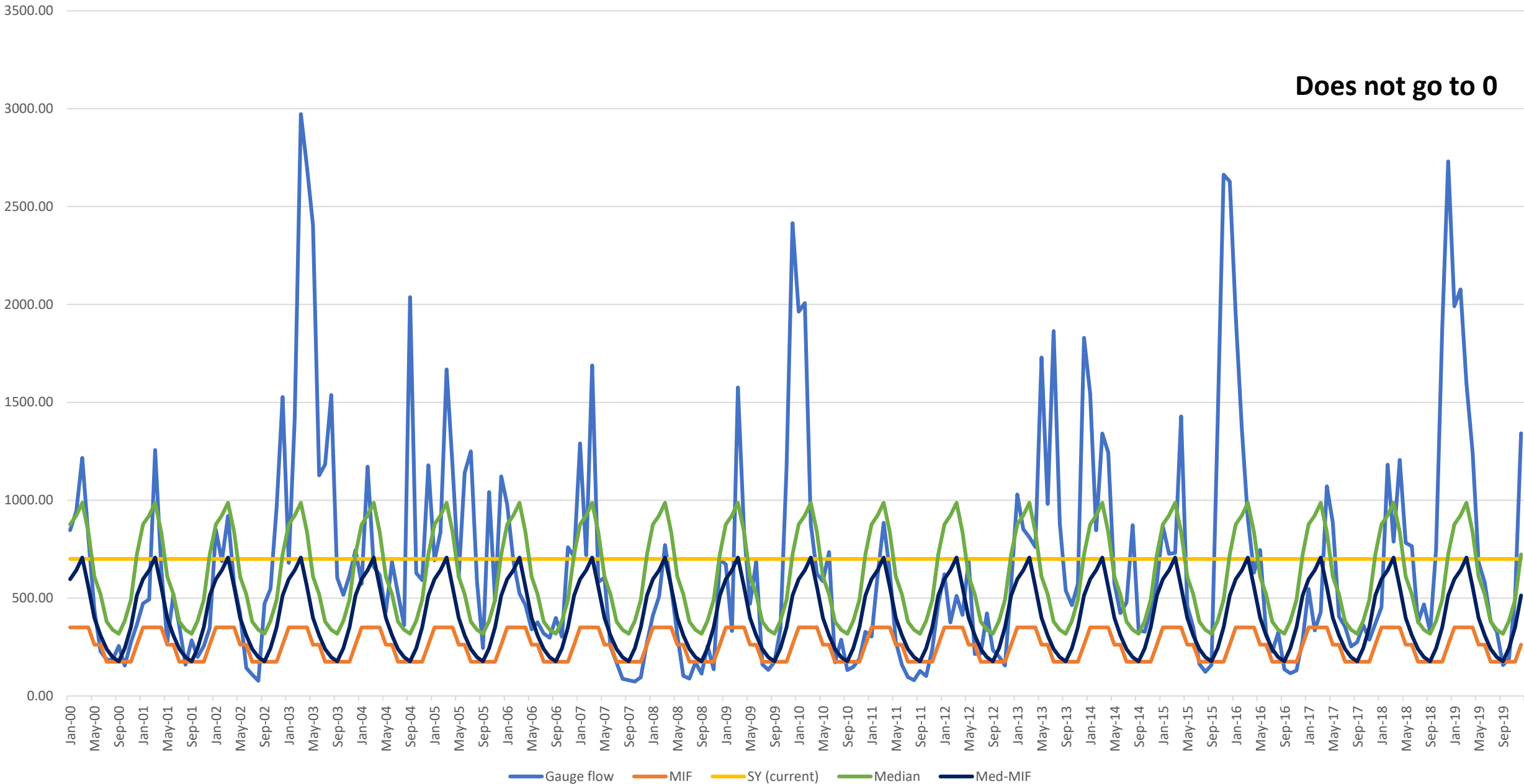
Goes to 0 50.4% of the time



Tyger near Delta, SC (02160105)

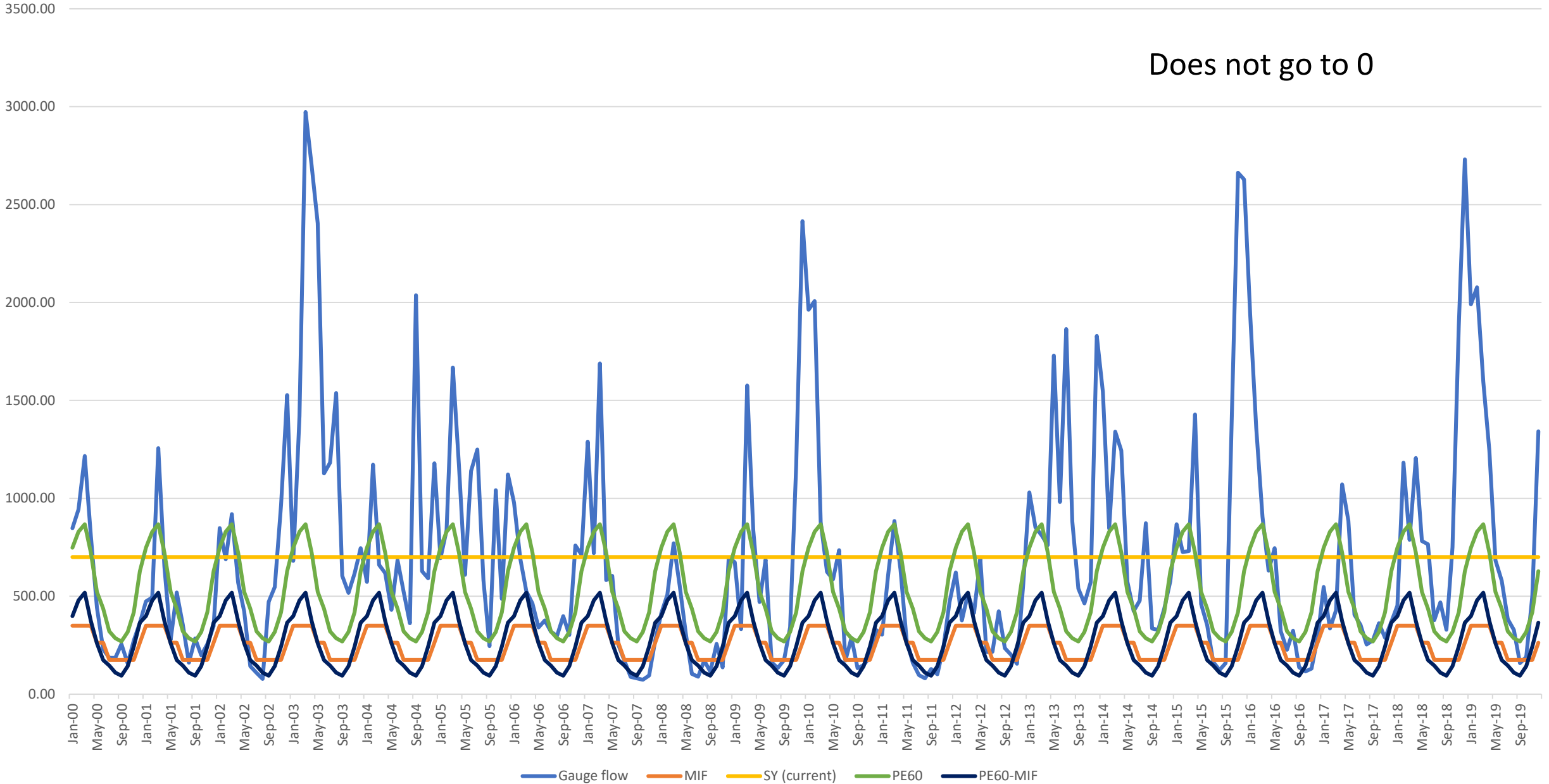
# Tyger River near Delta, SC (02160105) Median-MIF

**Does not go to 0**



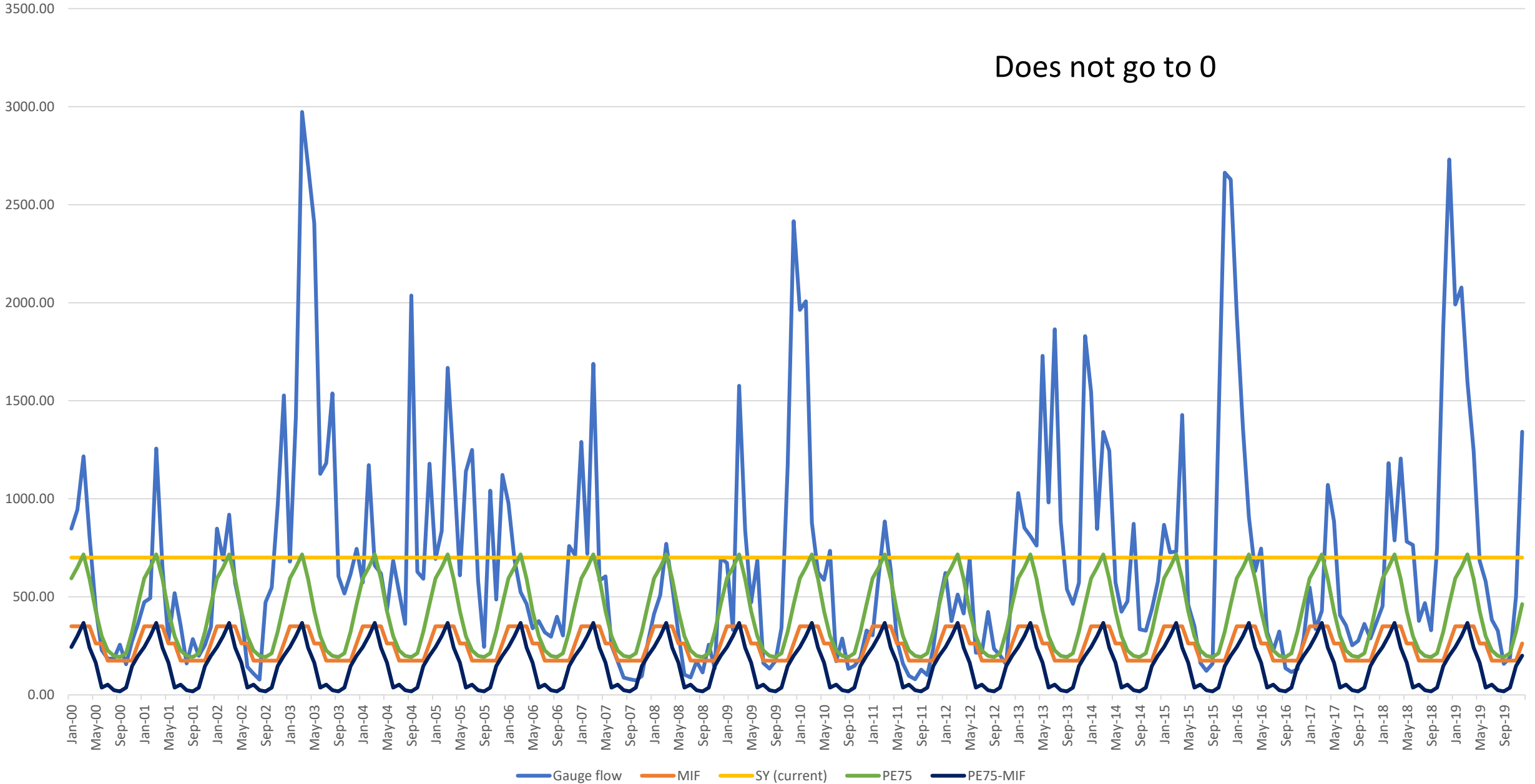
Tyger River near Delta, SC (02160105) PE60-MIF

Does not go to 0



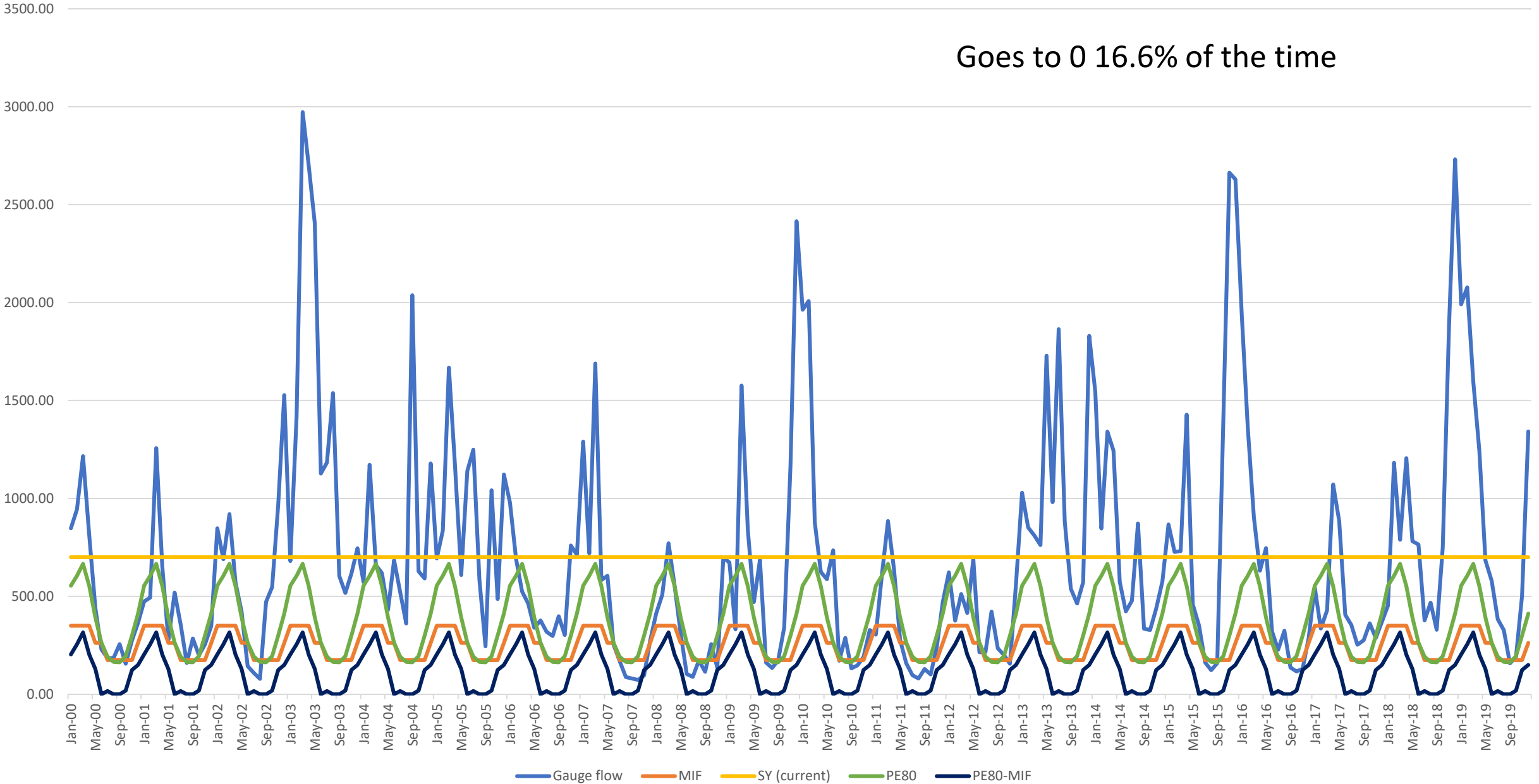
Tyger River near Delta, SC (02160105) PE75-MIF

Does not go to 0



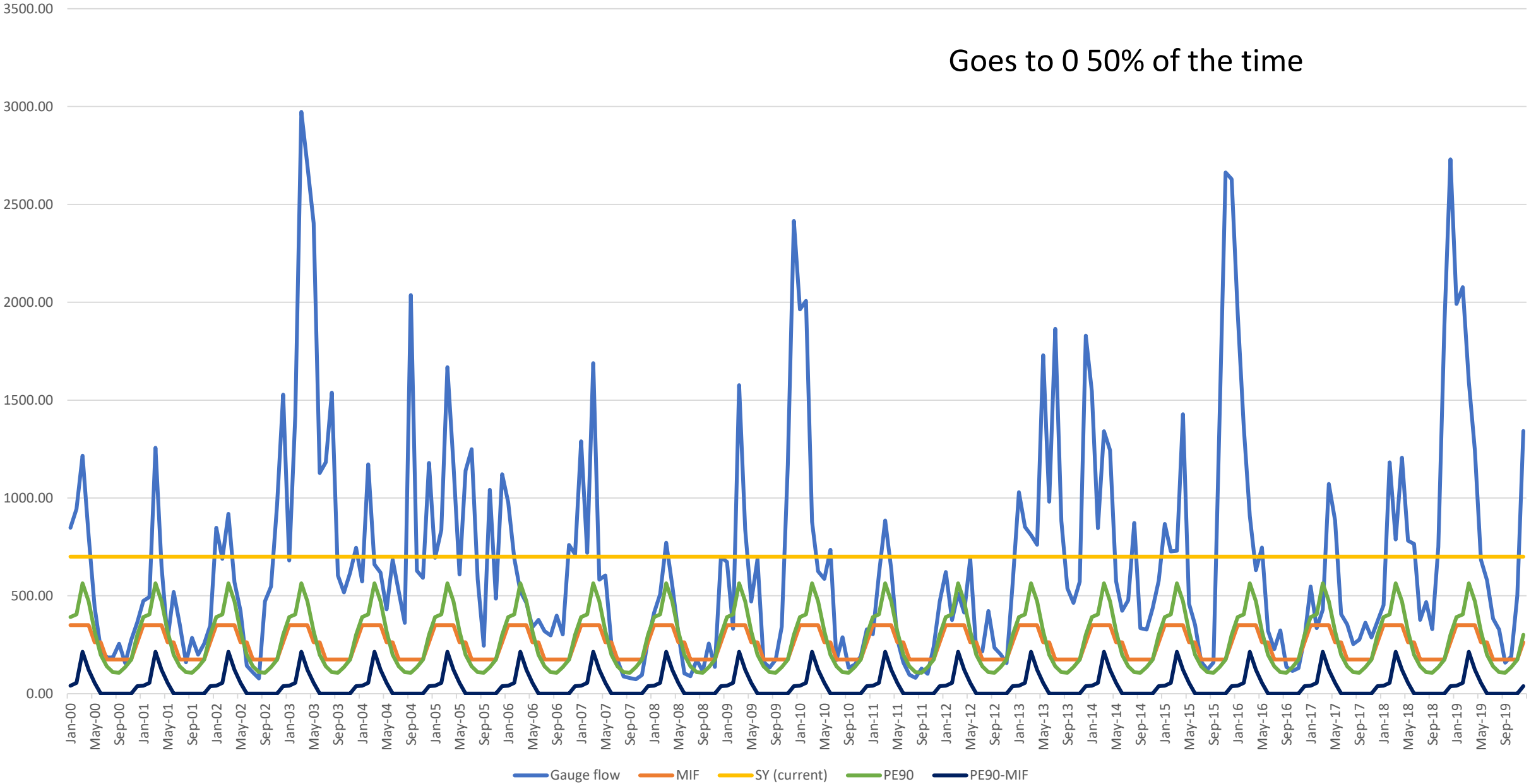
Tyger River near Delta, SC (02160105) PE80-MIF

Goes to 0 16.6% of the time



Tyger River near Delta, SC (02160105) PE90-MIF

Goes to 0 50% of the time

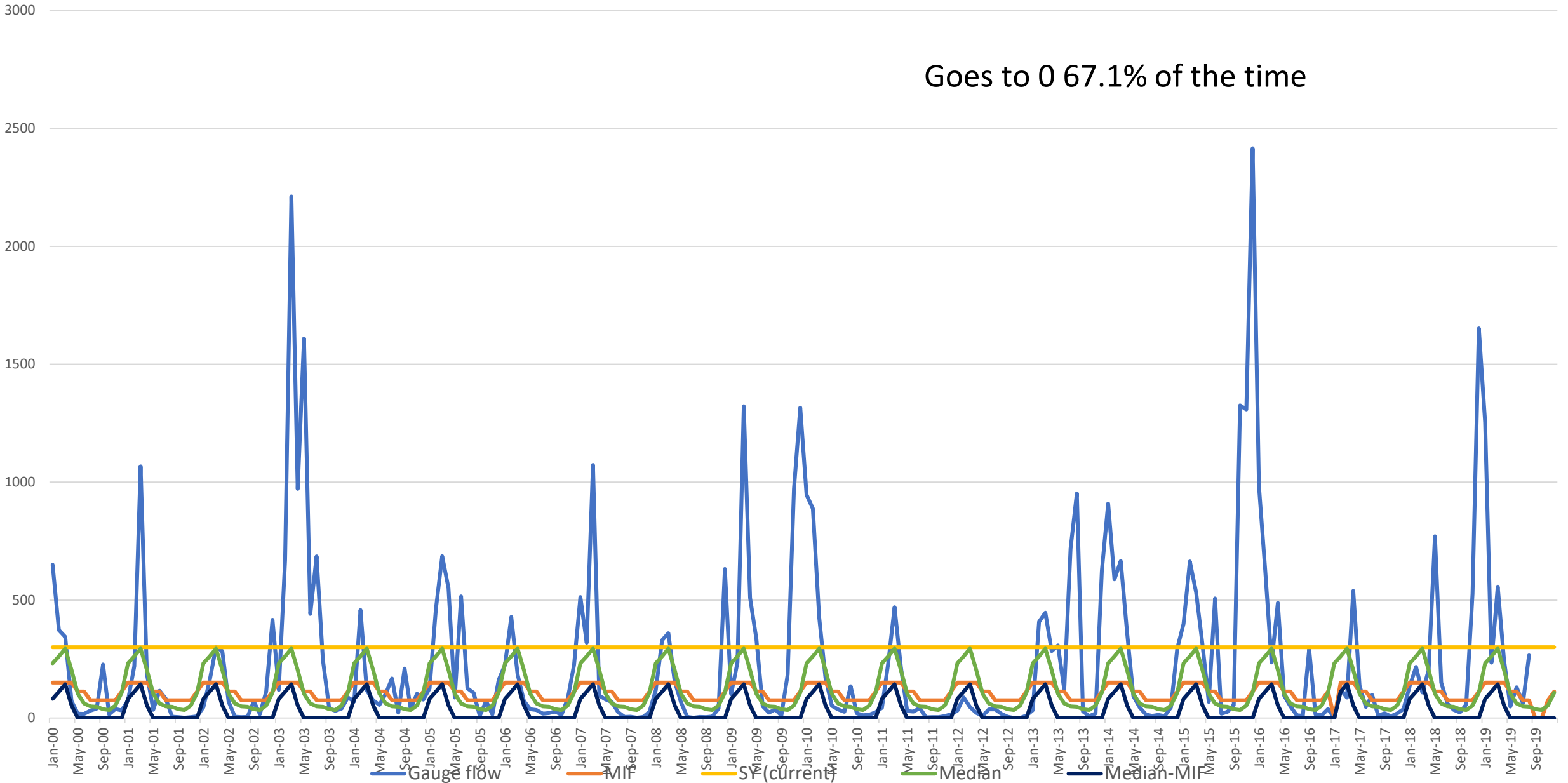


Steven's Creek near Modoc, SC (02196000)



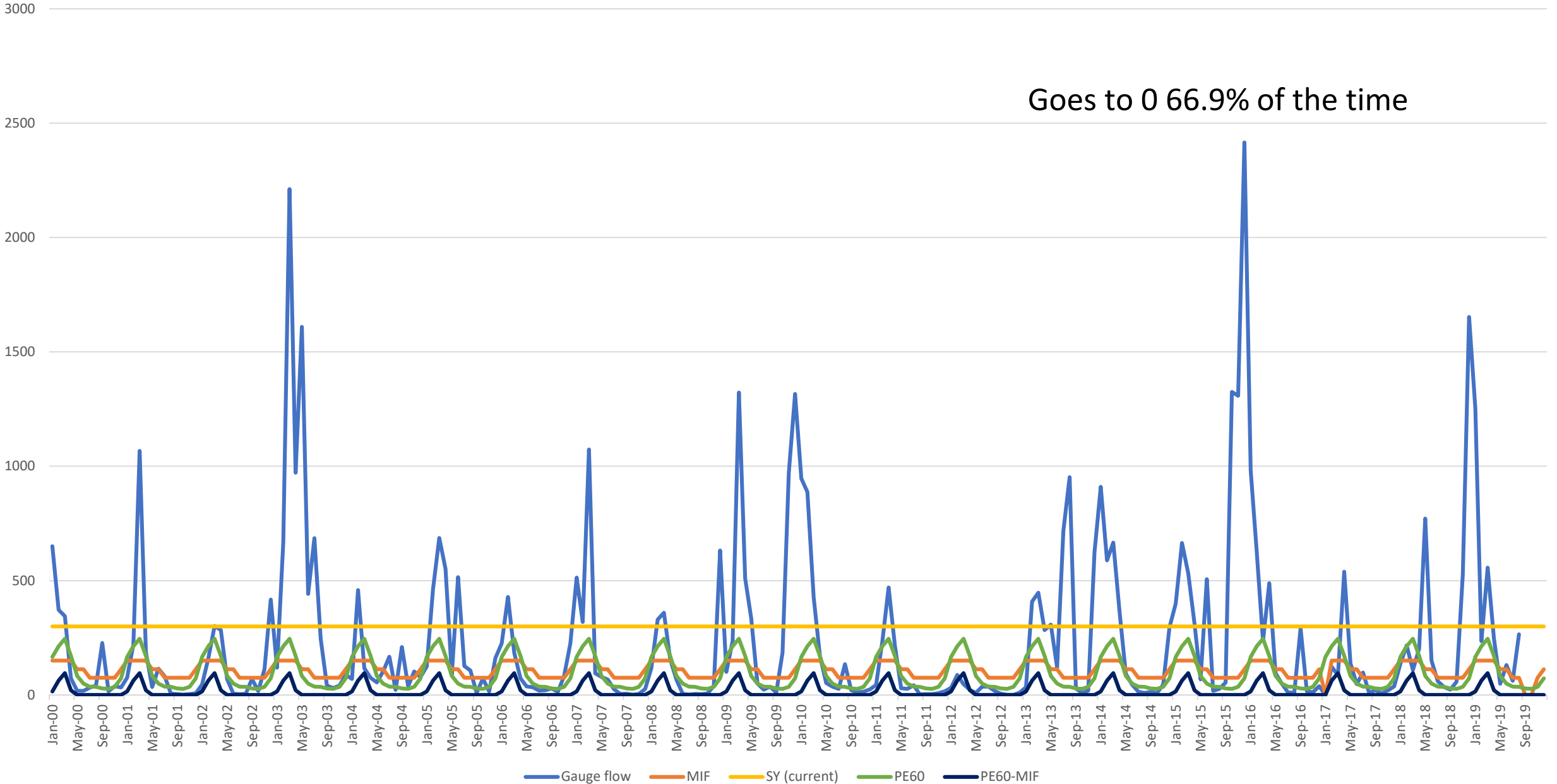
Steven's Creek near Modoc, SC (02196000) Median - MIF

Goes to 0 67.1% of the time



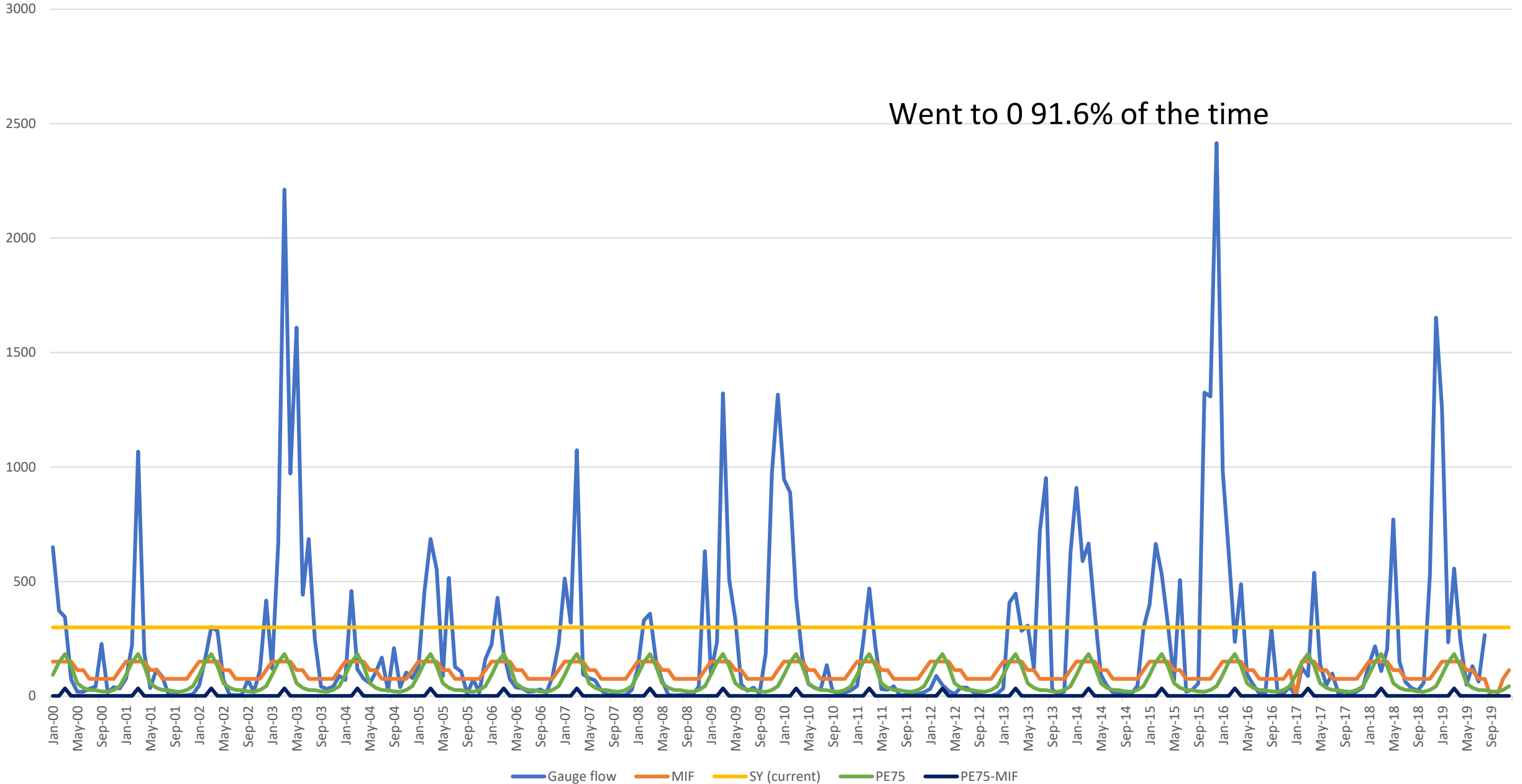
Steven's Creek near Modoc, SC (02196000) PE60-MIF

Goes to 0 66.9% of the time



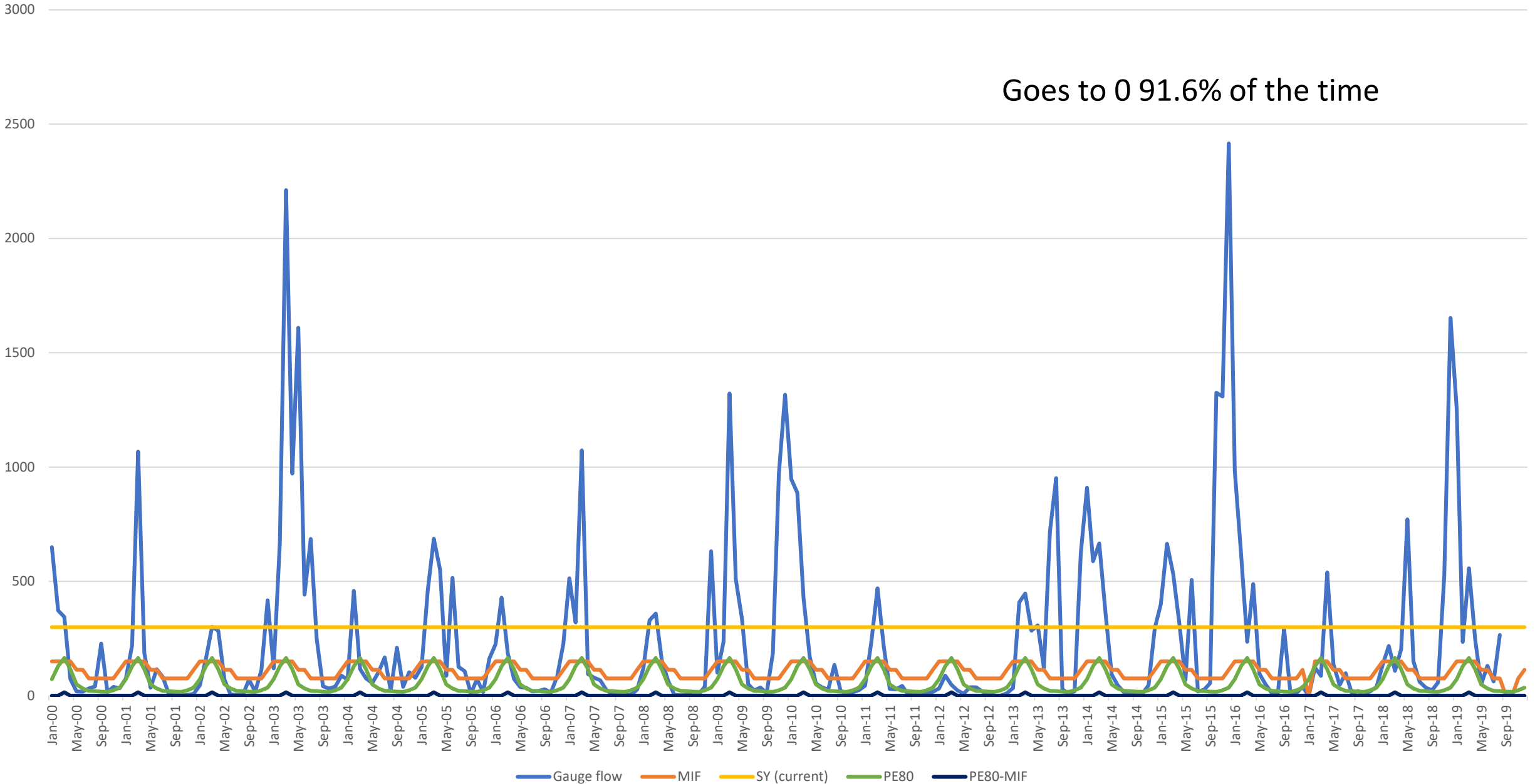
Steven's Creek near Modoc, SC (02196000) PE75-MIF

Went to 0 91.6% of the time



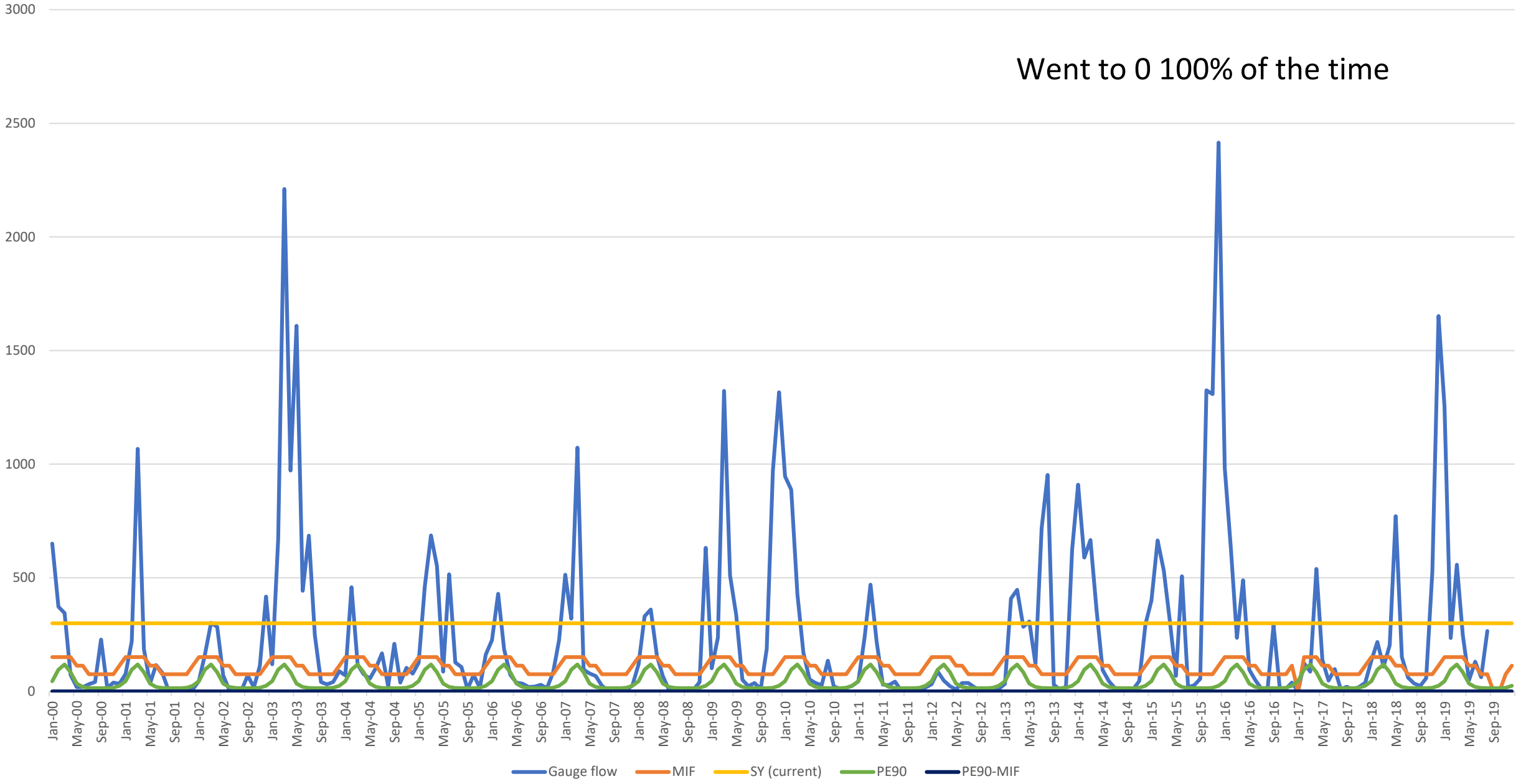
Steven's Creek near Modoc, SC (02196000) PE80-MIF

Goes to 0 91.6% of the time



Steven's Creek near Modoc, SC (02196000) PE90-MIF

Went to 0 100% of the time



## What's Next?

- 4<sup>th</sup> Meeting
- Would participants like to send in written comments?
- DHEC will evaluate information that has been collected during this process and develop a plan to move forward. (Remember any proposed regulation change has its own process)



# CONTACT US

Alex Butler

803-898-3575

[butlerap@dhec.sc.gov](mailto:butlerap@dhec.sc.gov)

---

## Stay Connected

