

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 8, 2019

to

January 14, 2019

0 cfs

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount

0 cfs

☒Regulatory Discharge

0 cfs

☐Potential Regulatory Discharge

0 cfs

-----Data Summary -----

December 29, 2018

to

January 4, 2019

WCA-3A Stage (end of week)

9.40

ft-NGVD

Angel's

5.23

ft-NGVD

G-3273

6.03

ft-NGVD

Station

Rainfall (in)

Pan Evaporation (in)

NEXRAD Rain for WCA-3A
and S7 evaporation
S-140
ENP

0.04

0.91

0.90

M

This Week's Avg

0.04

0.90

Pre-Project Avg

0.27

0.75

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Regulatory discharge is

0 cfs

Distance to Bottom of Current Zone

N/A

feet

Distance to Top of Current Zone

0.58 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.18	17.06	0	
WCA-2A	12.00	11.44	40,960	
Others			0	
Total Storage Adjustment			40,960	0.10
WCA-3A	9.40			
Adjusted WCA-3A	9.50			

Adjusted WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Potential regulatory discharge

0 cfs

Distance to Bottom of Current Zone

-0.08 feet

Distance to Top of Current Zone

0.48 feet

-----Statistical Parameters -----

Rainfall Formula Amount

-333 cfs

Last Week's Rainfall Formula

-318 cfs

Pre-project Mean Discharge

247 cfs

Rainfall Excess Terms

RL1 -0.68

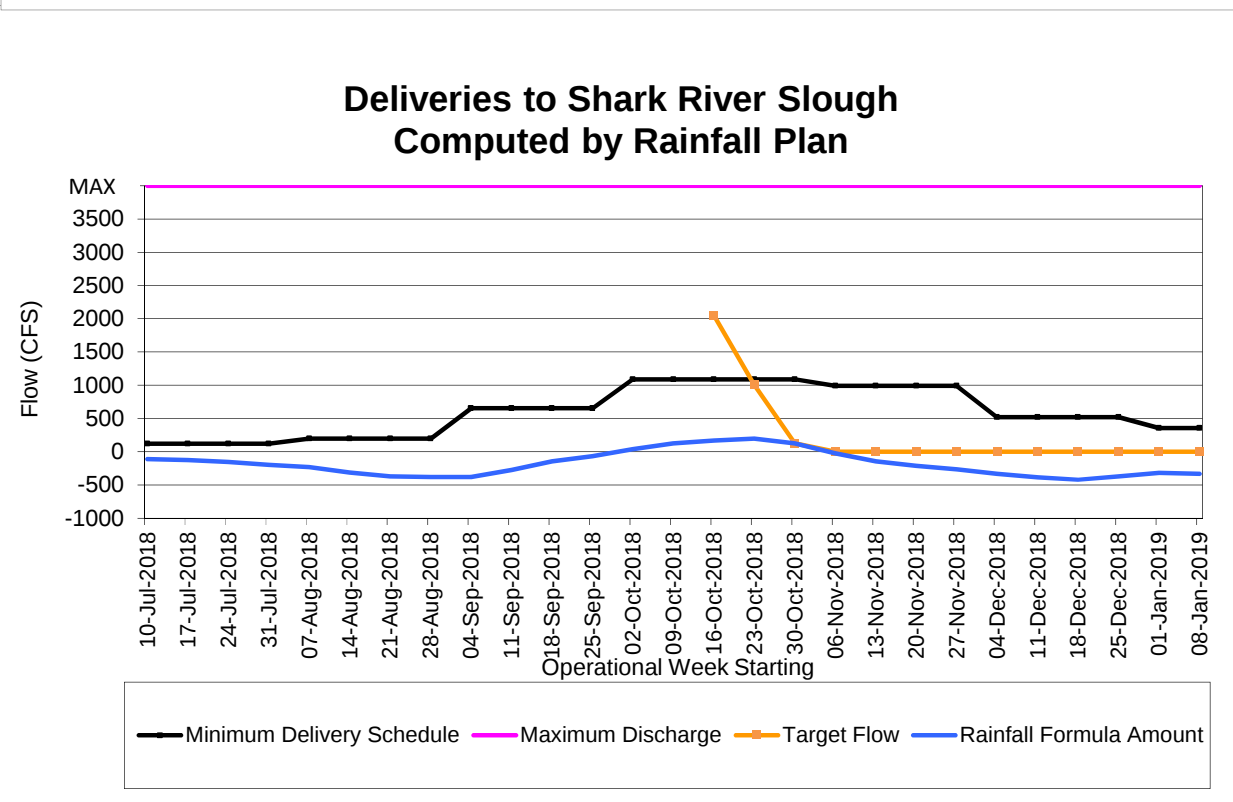
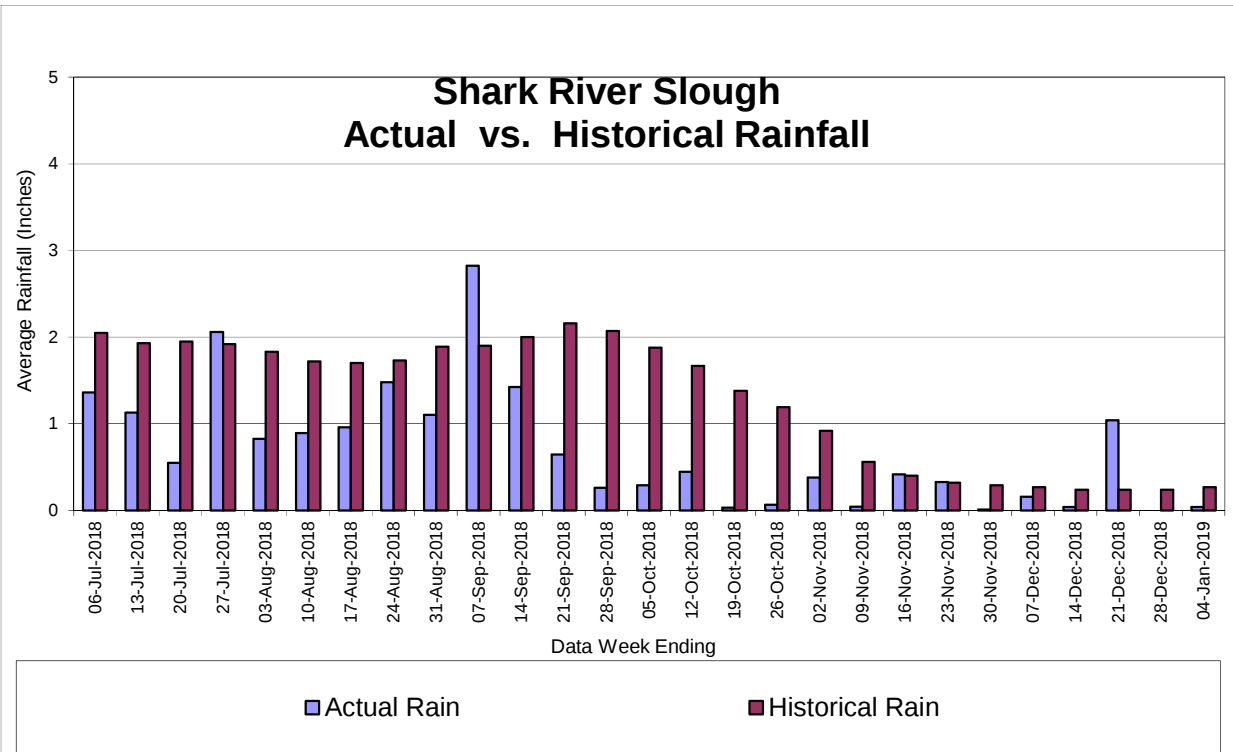
RL2 -0.22

RL3

-1.90

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 15, 2019

to

January 21, 2019

0 cfs

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount

0 cfs

☒Regulatory Discharge

0 cfs

☐Potential Regulatory Discharge

0 cfs

-----Data Summary -----

January 5, 2019

to

January 11, 2019

WCA-3A Stage (end of week)

9.30

ft-NGVD

Angel's

5.04

ft-NGVD

G-3273

5.88

ft-NGVD

Station

Rainfall (in)

Pan Evaporation (in)

NEXRAD Rain for WCA-3A
and S7 evaporation
S-140
ENP

0.04

0.99

0.90

M

This Week's Avg

0.04

0.94

Pre-Project Avg

0.25

0.77

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Regulatory discharge is

0 cfs

Distance to Bottom of Current Zone

N/A

feet

Distance to Top of Current Zone

0.64 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.11	17.02	0	
WCA-2A	11.81	11.32	30,220	
Others			0	
Total Storage Adjustment			30,220	0.07
WCA-3A	9.30			
Adjusted WCA-3A	9.37			

Adjusted WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Potential regulatory discharge

0 cfs

Distance to Bottom of Current Zone

-0.08 feet

Distance to Top of Current Zone

0.56 feet

-----Statistical Parameters -----

Rainfall Formula Amount

-346 cfs

Last Week's Rainfall Formula

-333 cfs

Pre-project Mean Discharge

216 cfs

Rainfall Excess Terms

RL1 -0.70

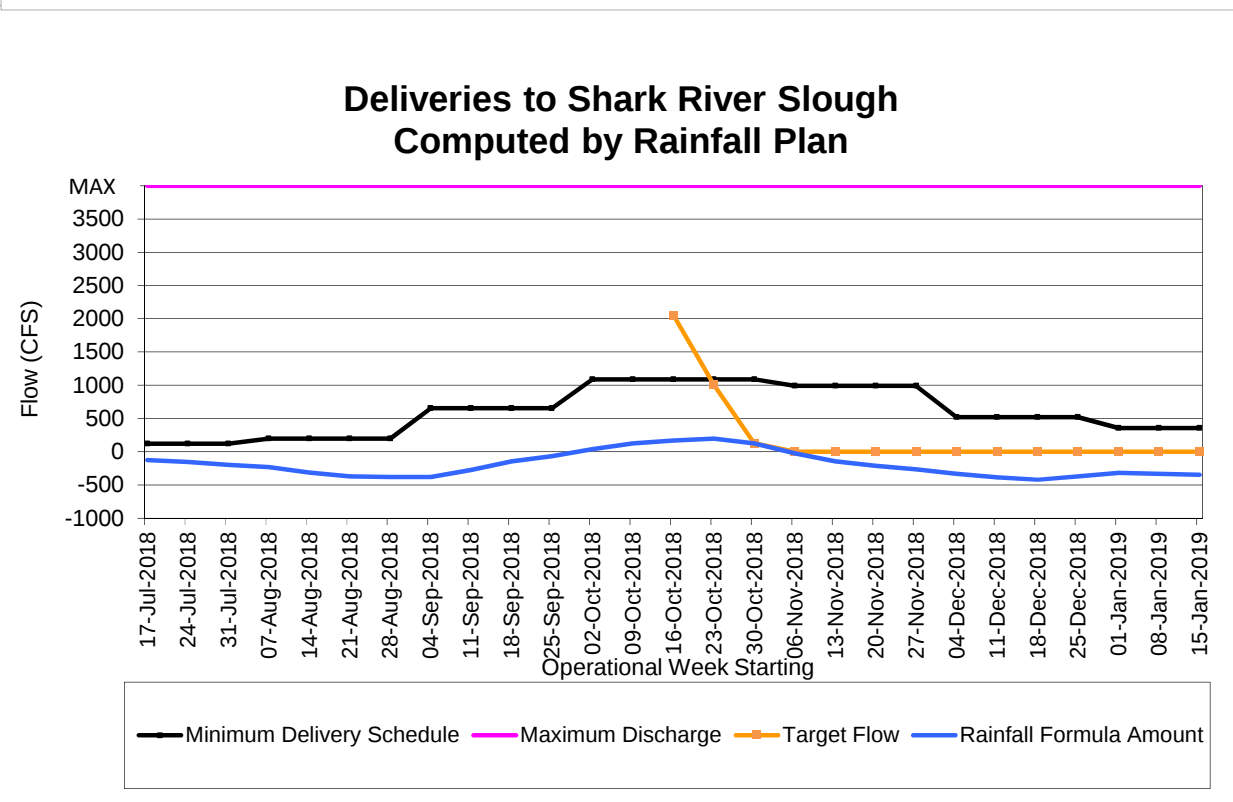
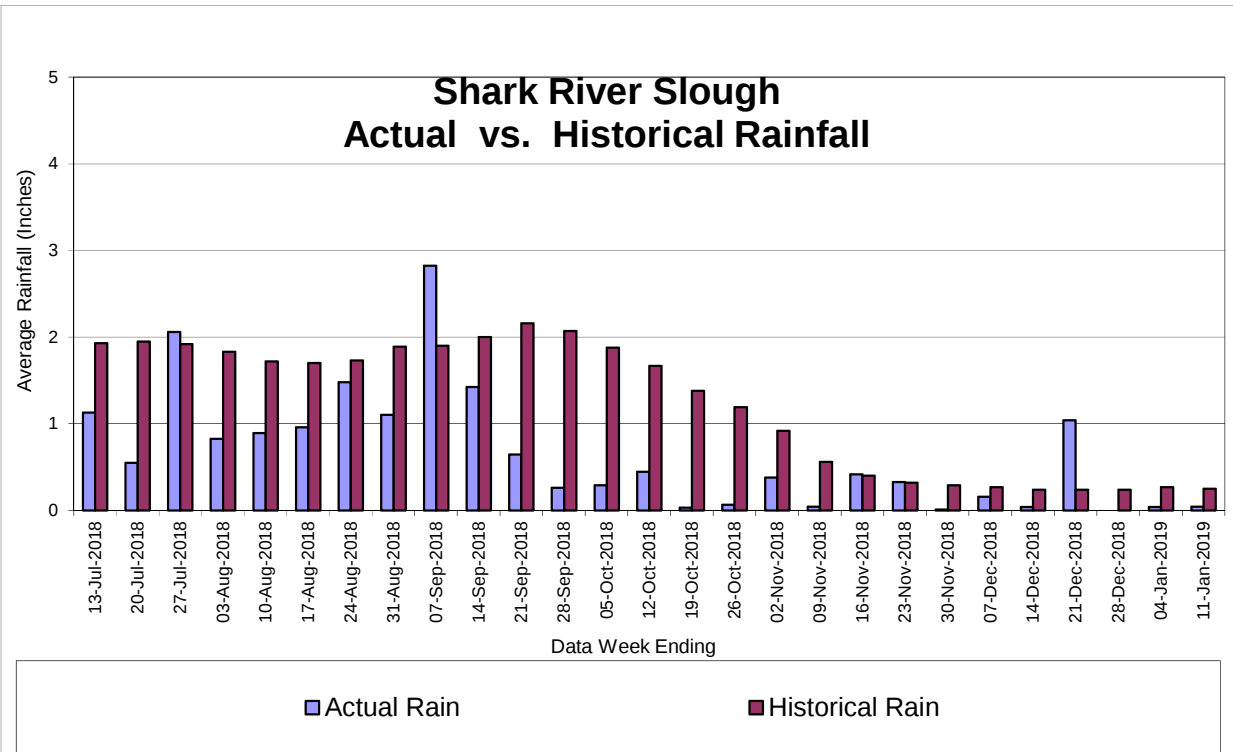
RL2 -0.14

RL3

-1.51

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 22, 2019

to

January 28, 2019

0 cfs

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount

0 cfs

☒Regulatory Discharge

0 cfs

☐Potential Regulatory Discharge

0 cfs

-----Data Summary -----

January 12, 2019

to

January 18, 2019

WCA-3A Stage (end of week)

9.22

ft-NGVD

Angel's

4.89

ft-NGVD

G-3273

5.66

ft-NGVD

Station

Rainfall (in)

Pan Evaporation (in)

NEXRAD Rain for WCA-3A
and S7 evaporation
S-140
ENP

0.00

0.97

0.85

M

This Week's Avg

0.00

0.91

Pre-Project Avg

0.35

0.81

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Regulatory discharge is

0 cfs

Distance to Bottom of Current Zone

N/A

feet

Distance to Top of Current Zone

0.67 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.04	16.97	0	
WCA-2A	11.72	11.21	27,480	
Others			0	
Total Storage Adjustment			27,480	0.08
WCA-3A	9.22			
Adjusted WCA-3A	9.30			

Adjusted WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Potential regulatory discharge

0 cfs

Distance to Bottom of Current Zone

-0.08 feet

Distance to Top of Current Zone

0.59 feet

-----Statistical Parameters -----

Rainfall Formula Amount

-364 cfs

Last Week's Rainfall Formula

-346 cfs

Pre-project Mean Discharge

186 cfs

Rainfall Excess Terms

RL1 -0.77

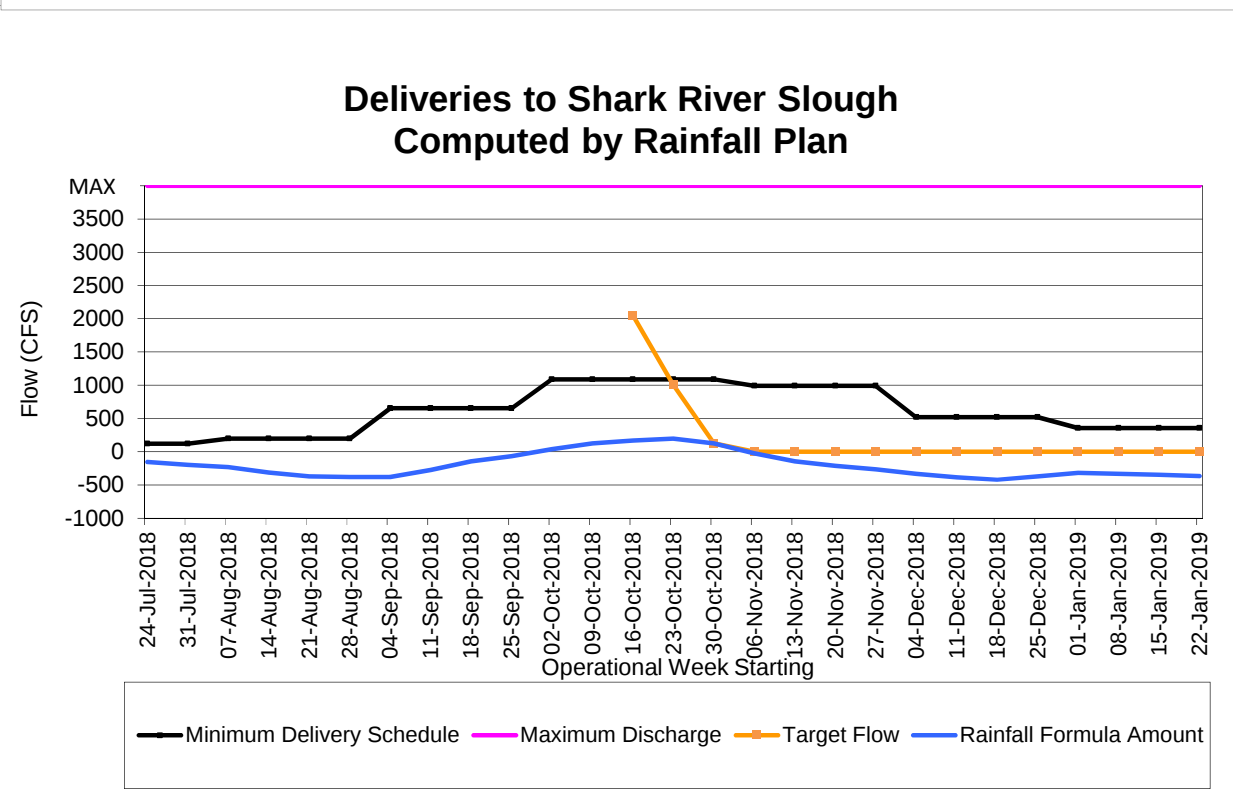
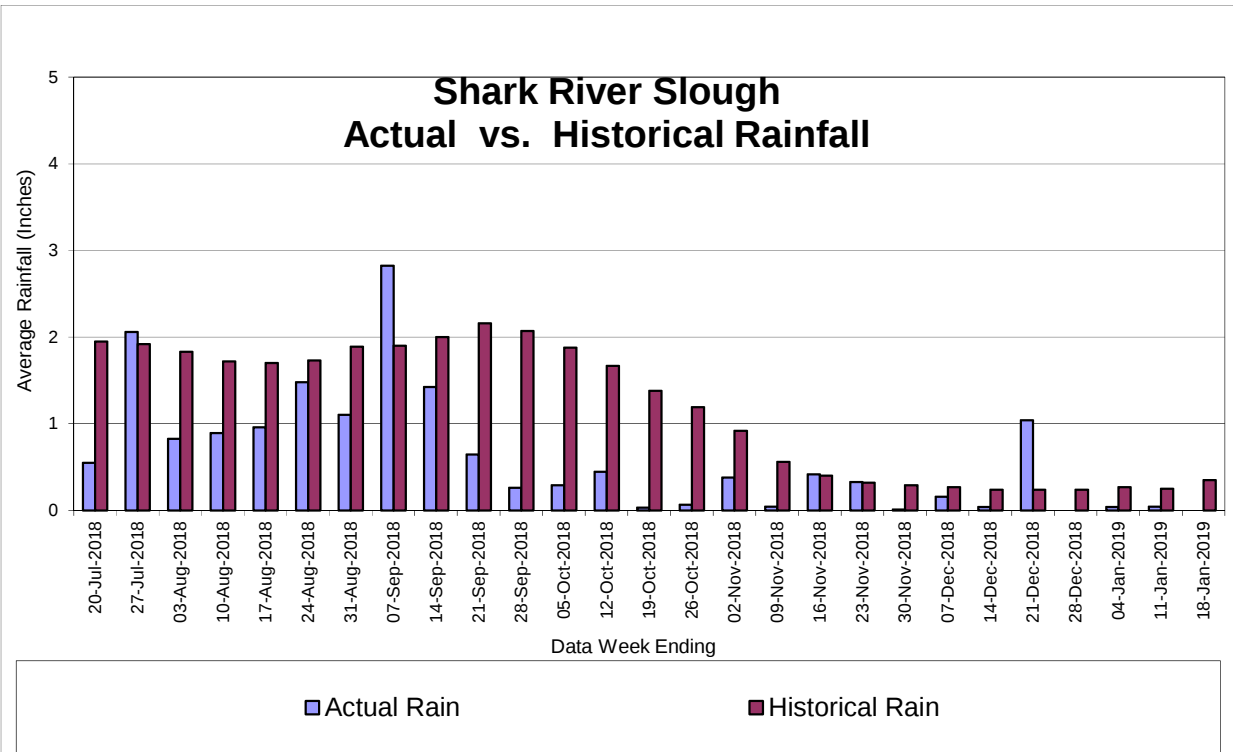
RL2 -0.23

RL3

-1.08

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 29, 2019

to

February 4, 2019

0 cfs

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount

0 cfs

☒Regulatory Discharge

0 cfs

☐Potential Regulatory Discharge

0 cfs

-----Data Summary -----

January 19, 2019

to

January 25, 2019

WCA-3A Stage (end of week)

9.23

ft-NGVD

Angel's

5.09

ft-NGVD

G-3273

5.68

ft-NGVD

Station

Rainfall (in)

Pan Evaporation (in)

NEXRAD Rain for WCA-3A
and S7 evaporation
S-140
ENP

0.92

1.03

0.85

M

This Week's Avg

0.92

0.94

Pre-Project Avg

0.33

0.83

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Regulatory discharge is

0 cfs

Distance to Bottom of Current Zone

N/A

feet

Distance to Top of Current Zone

0.62 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.02	16.90	0	
WCA-2A	11.68	11.10	30,310	
Others			0	
Total Storage Adjustment			30,310	0.09
WCA-3A	9.23			
Adjusted WCA-3A	9.32			

Adjusted WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Potential regulatory discharge

0 cfs

Distance to Bottom of Current Zone

-0.08 feet

Distance to Top of Current Zone

0.53 feet

-----Statistical Parameters -----

Rainfall Formula Amount

-341 cfs

Last Week's Rainfall Formula

-364 cfs

Pre-project Mean Discharge

153 cfs

Rainfall Excess Terms

RL1 0.08

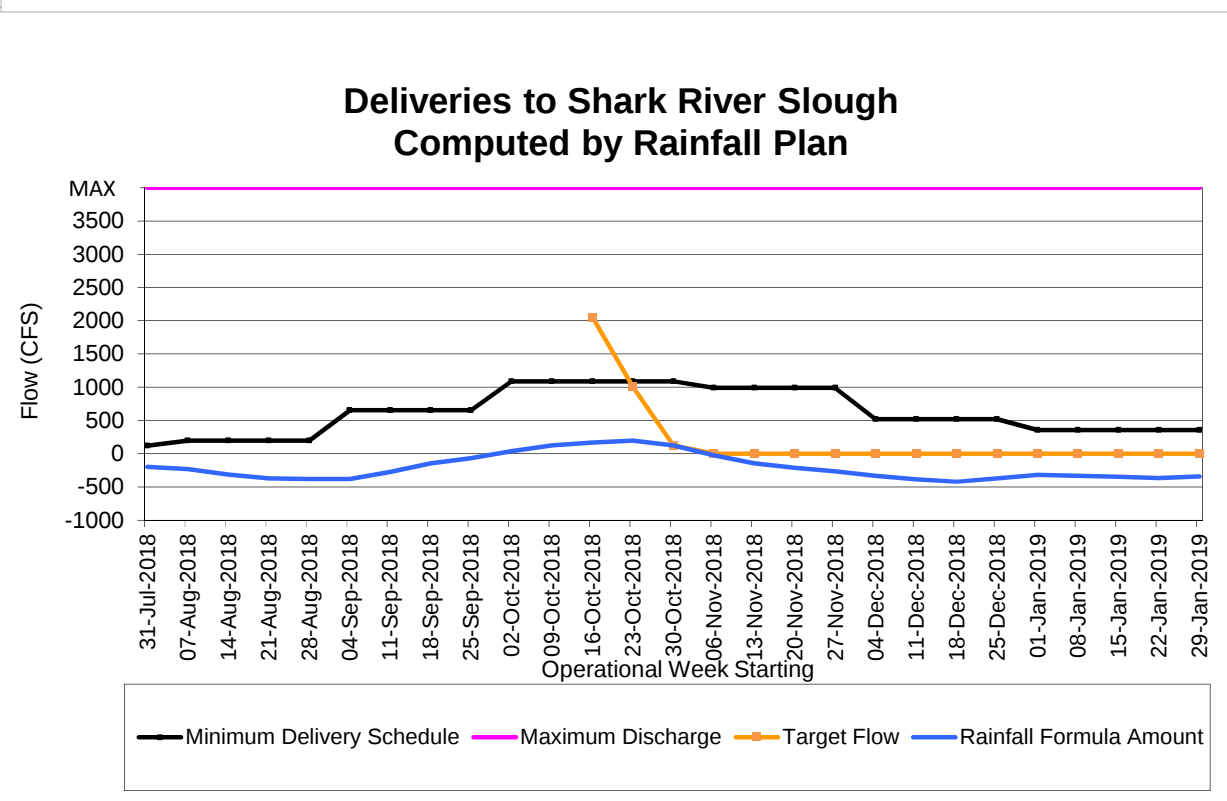
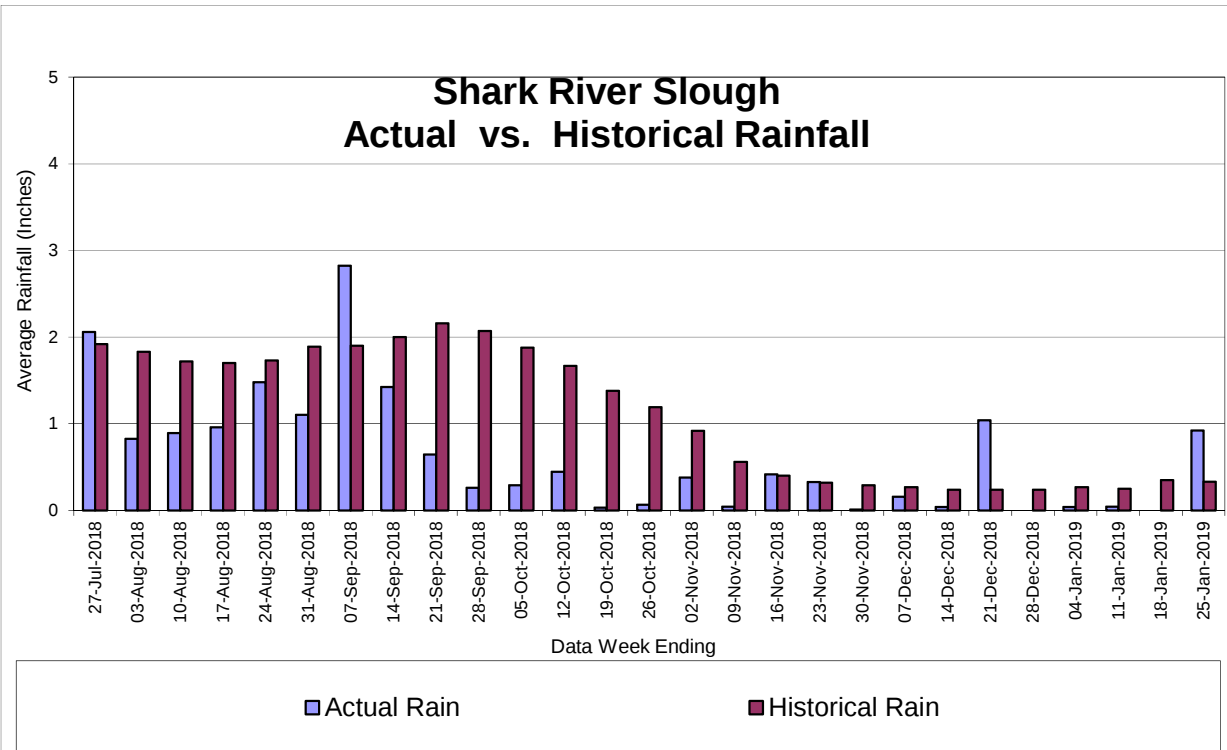
RL2 -0.32

RL3

-1.12

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 5, 2019

to

February 11, 2019

0 cfs

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount

0 cfs

☒Regulatory Discharge

0 cfs

☐Potential Regulatory Discharge

0 cfs

-----Data Summary -----

January 26, 2019

to

February 1, 2019

WCA-3A Stage (end of week)

9.55

ft-NGVD

Angel's

5.34

ft-NGVD

G-3273

5.99

ft-NGVD

Station

Rainfall (in)

Pan Evaporation (in)

NEXRAD Rain for WCA-3A
and S7 evaporation
S-140
ENP

3.80

0.90

1.00

M

This Week's Avg

3.80

0.95

Pre-Project Avg

0.35

0.88

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Regulatory discharge is

0 cfs

Distance to Bottom of Current Zone

N/A

feet

Distance to Top of Current Zone

0.25 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.47	16.82	0	
WCA-2A	12.12	11.00	67,200	
Others			0	
Total Storage Adjustment			67,200	0.15
WCA-3A	9.55			
Adjusted WCA-3A	9.70			

Adjusted WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Potential regulatory discharge

0 cfs

Distance to Bottom of Current Zone

-0.08 feet

Distance to Top of Current Zone

0.10 feet

-----Statistical Parameters -----

Rainfall Formula Amount

-42 cfs

Last Week's Rainfall Formula

-341 cfs

Pre-project Mean Discharge

130 cfs

Rainfall Excess Terms

RL1 3.90

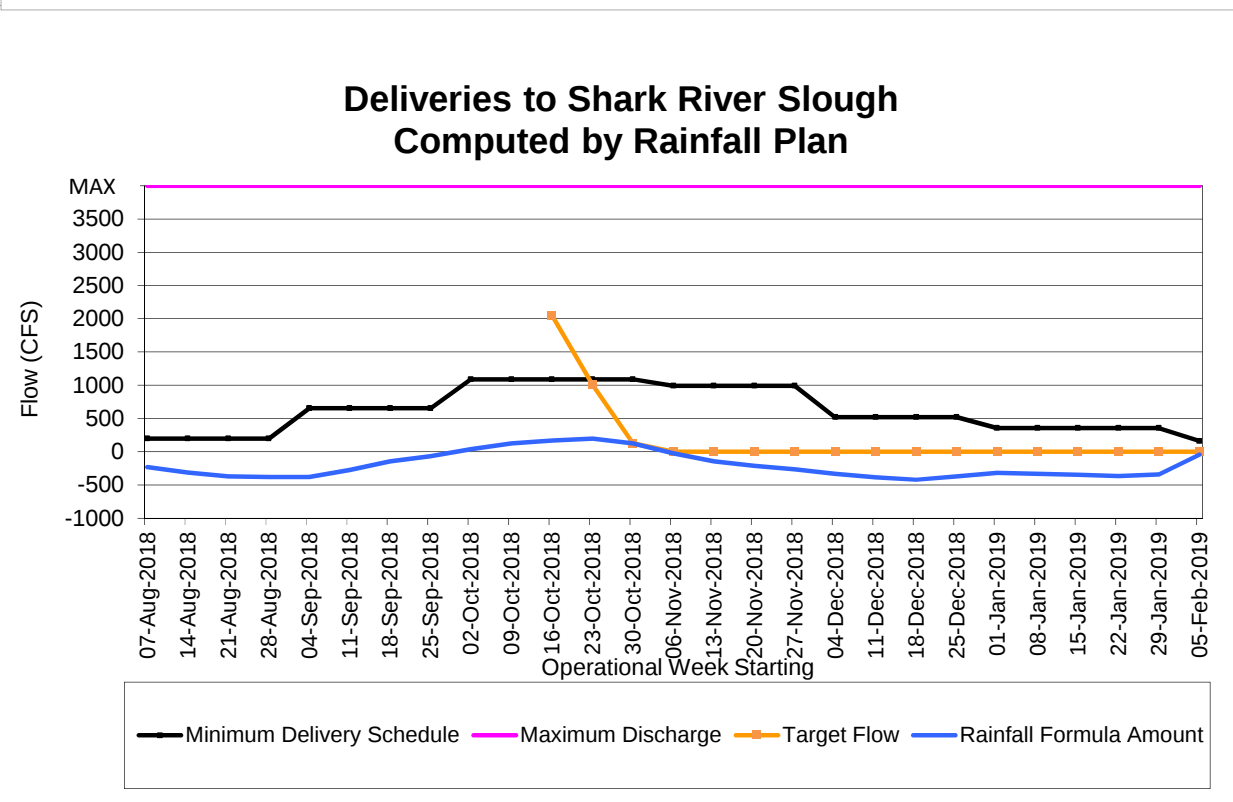
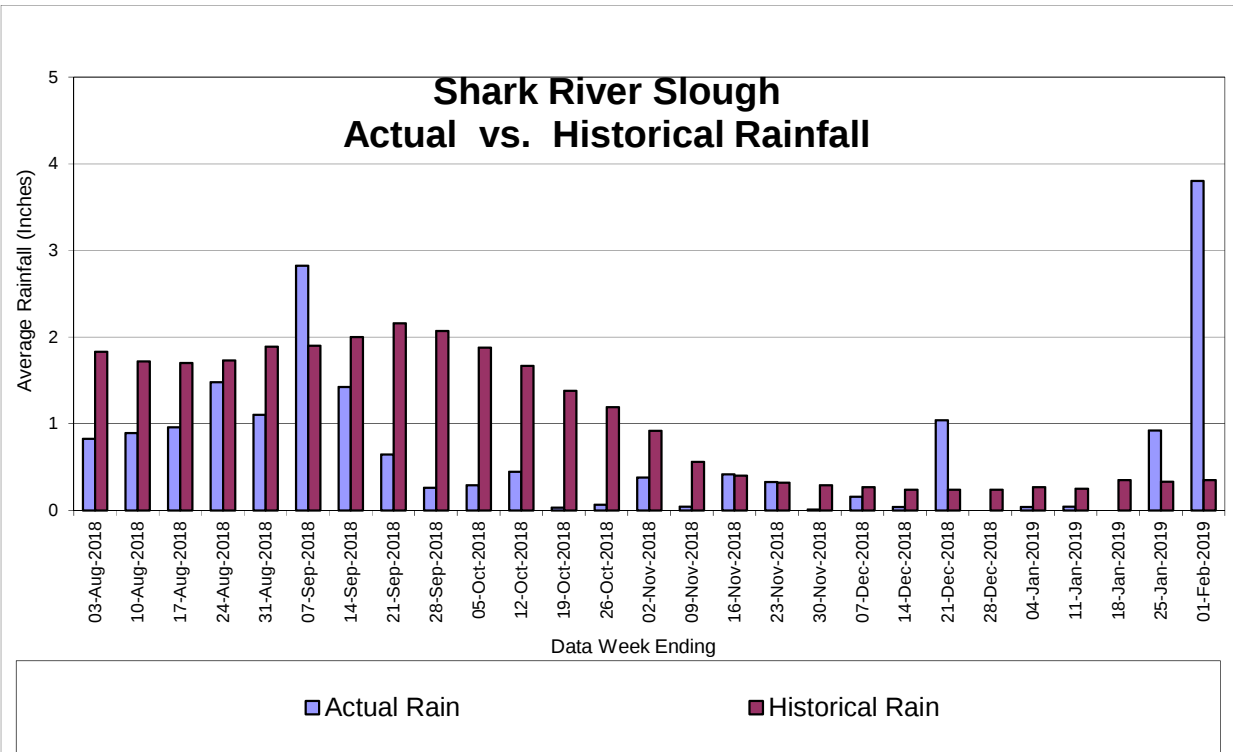
RL2 -1.46

RL3

-0.22

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 12, 2019

to

February 18, 2019

**Adjusted
347 cfs**

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount	181 cfs
□Regulatory Discharge	0 cfs
☑Potential Regulatory Discharge	166 cfs

-----Data Summary -----	February 2, 2019	to	February 8, 2019
WCA-3A Stage (end of week)	9.58		ft-NGVD
Angel's	5.06		ft-NGVD
G-3273	5.74		ft-NGVD

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.23	0.90
S-140		1.13
ENP		M
This Week's Avg	0.23	1.01
Pre-Project Avg	0.35	0.94

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E	Discharge Coeff. (cfs/ft) = 2500
Regulatory discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.18 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.58	16.75	0	
WCA-2A	12.58	11.00	109,300	
Others			0	
Total Storage Adjustment			109,300	0.24
WCA-3A	9.58			
Adjusted WCA-3A	9.82			

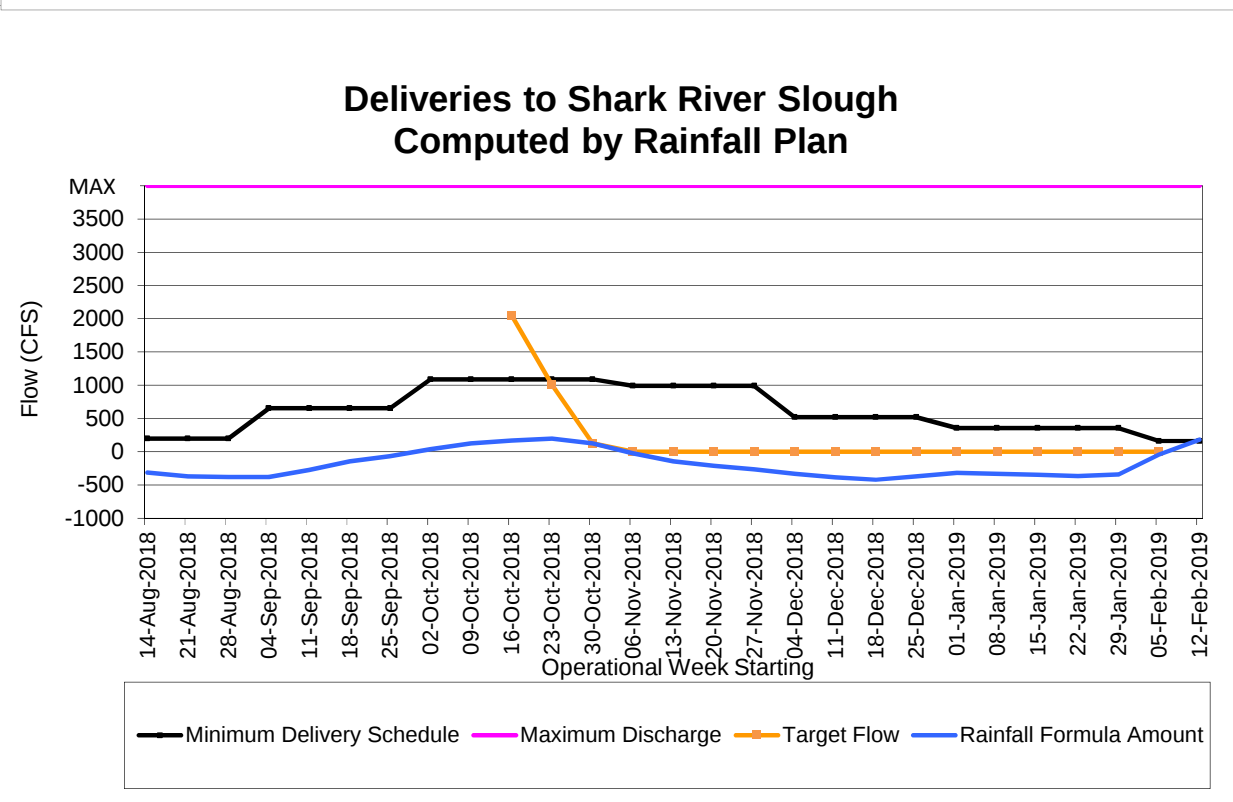
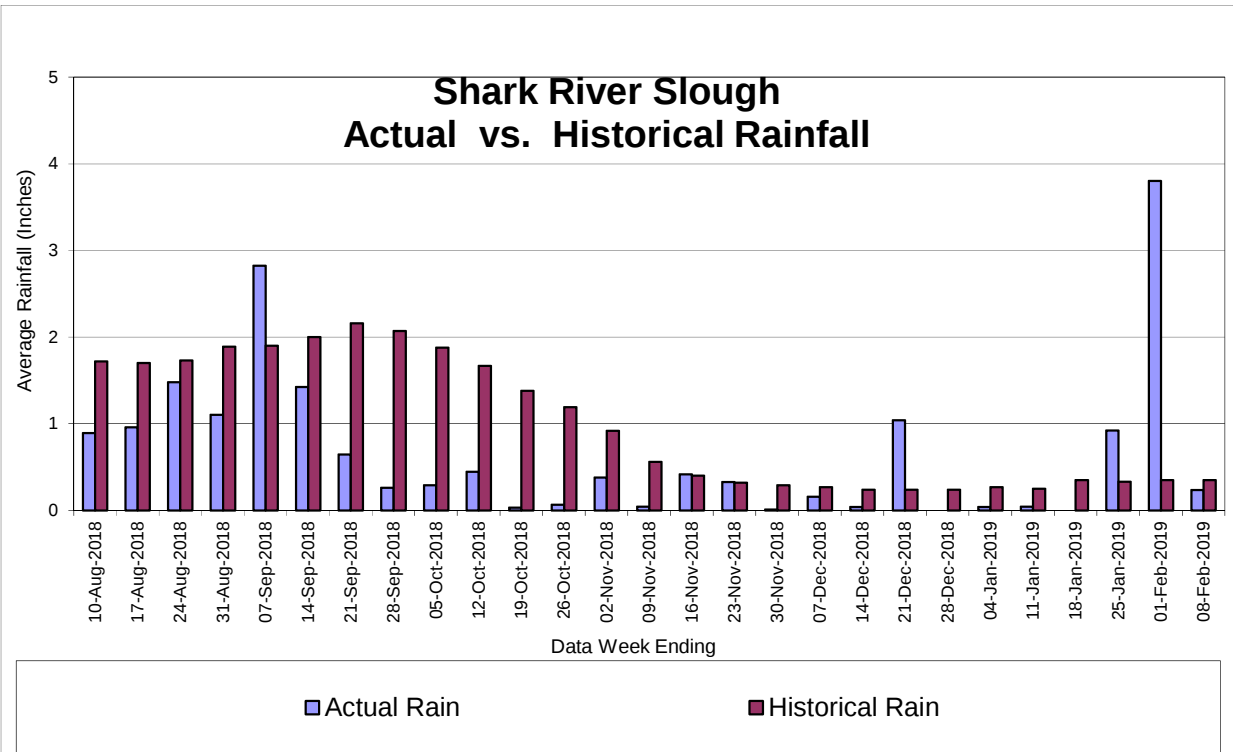
Adjusted WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Potential regulatory discharge	166 cfs
Distance to Bottom of Current Zone	-0.07 feet
Distance to Top of Current Zone	0.42 feet

-----Statistical Parameters -----

Rainfall Formula Amount	181 cfs
Last Week's Rainfall Formula	-42 cfs
Pre-project Mean Discharge	110 cfs
Rainfall Excess Terms	
RL1 3.22	RL2 -0.62
	RL3 -0.14

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 19, 2019

to

February 25, 2019

**Adjusted
880 cfs**

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount	235 cfs
□Regulatory Discharge	117 cfs
☒ Potential Regulatory Discharge	645 cfs

-----Data Summary -----	February 9, 2019	to	February 15, 2019
WCA-3A Stage (end of week)	9.76		ft-NGVD
Angel's	5.39		ft-NGVD
G-3273	6.03		ft-NGVD

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.39	1.05
S-140		1.25
ENP		M
This Week's Avg	1.39	1.15
Pre-Project Avg	0.35	1.01

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Regulatory discharge is	117 cfs
Distance to Bottom of Current Zone	-0.05 feet
Distance to Top of Current Zone	0.43 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.61	16.67	0	
WCA-2A	12.45	11.00	94,500	
Others			0	
Total Storage Adjustment			94,500	0.21
WCA-3A	9.76			
Adjusted WCA-3A	9.97			

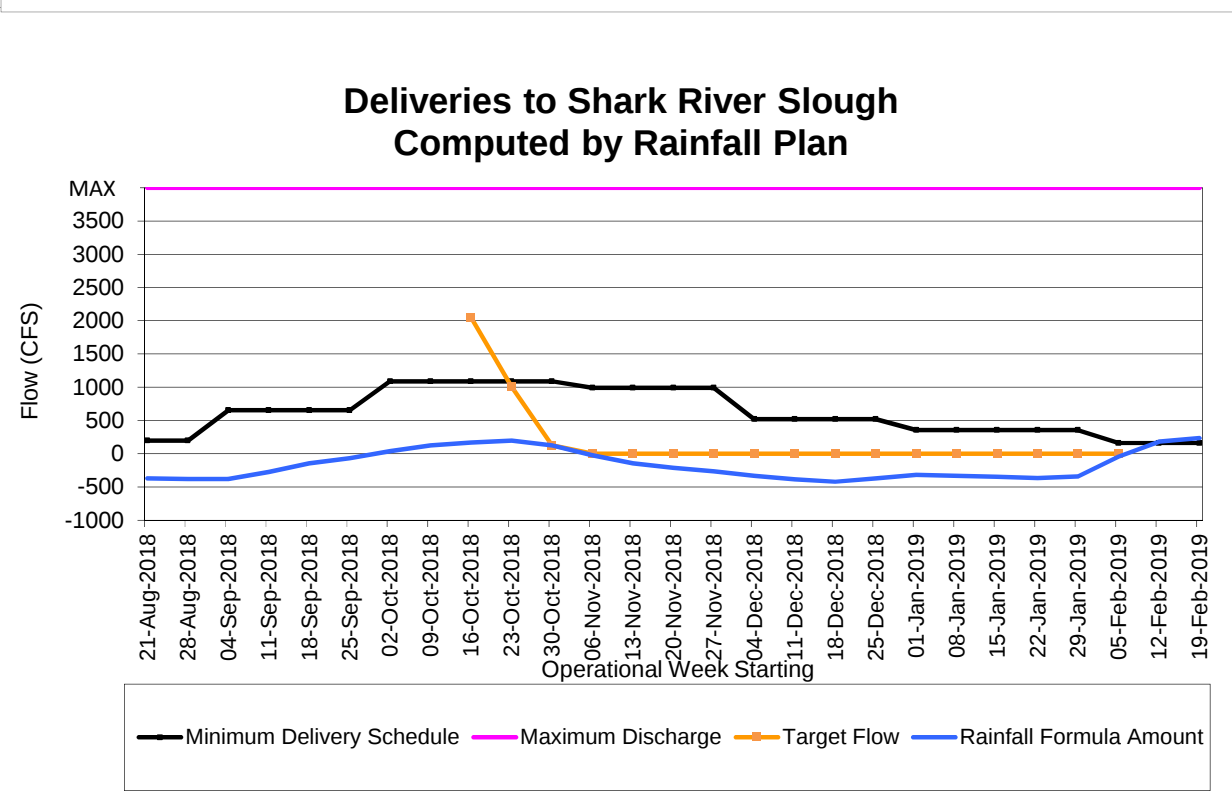
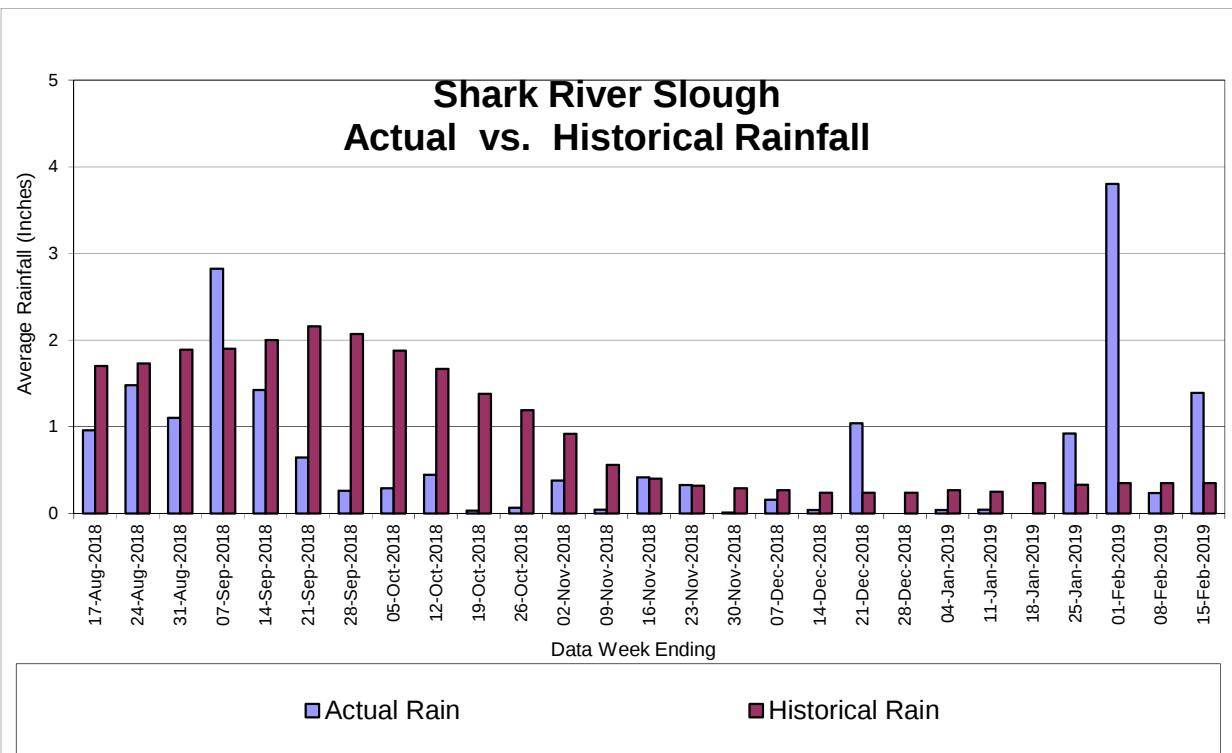
Adjusted WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Potential regulatory discharge	645 cfs
Distance to Bottom of Current Zone	-0.26 feet
Distance to Top of Current Zone	0.22 feet

-----Statistical Parameters -----

Rainfall Formula Amount		235 cfs
Last Week's Rainfall Formula		181 cfs
Pre-project Mean Discharge		88 cfs
Rainfall Excess Terms		
RL1 0.75	RL2 3.13	RL3 -0.23

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 26, 2019

to

March 4, 2019

**Adjusted
966 cfs**

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount	264 cfs
□Regulatory Discharge	254 cfs
☑Potential Regulatory Discharge	702 cfs

-----Data Summary -----	February 16, 2019	to	February 22, 2019
WCA-3A Stage (end of week)	9.77		ft-NGVD
Angel's	5.06		ft-NGVD
G-3273	5.72		ft-NGVD

Station	Rainfall (in)	Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation	0.05	1.25
S-140		1.33
ENP		M
This Week's Avg	0.05	1.29
Pre-Project Avg	0.38	1.08

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Regulatory discharge is	254 cfs
Distance to Bottom of Current Zone	-0.10 feet
Distance to Top of Current Zone	0.38 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.51	16.60	0	
WCA-2A	12.26	11.00	80,250	
Others			0	
Total Storage Adjustment			80,250	0.18
WCA-3A	9.77			
Adjusted WCA-3A	9.95			

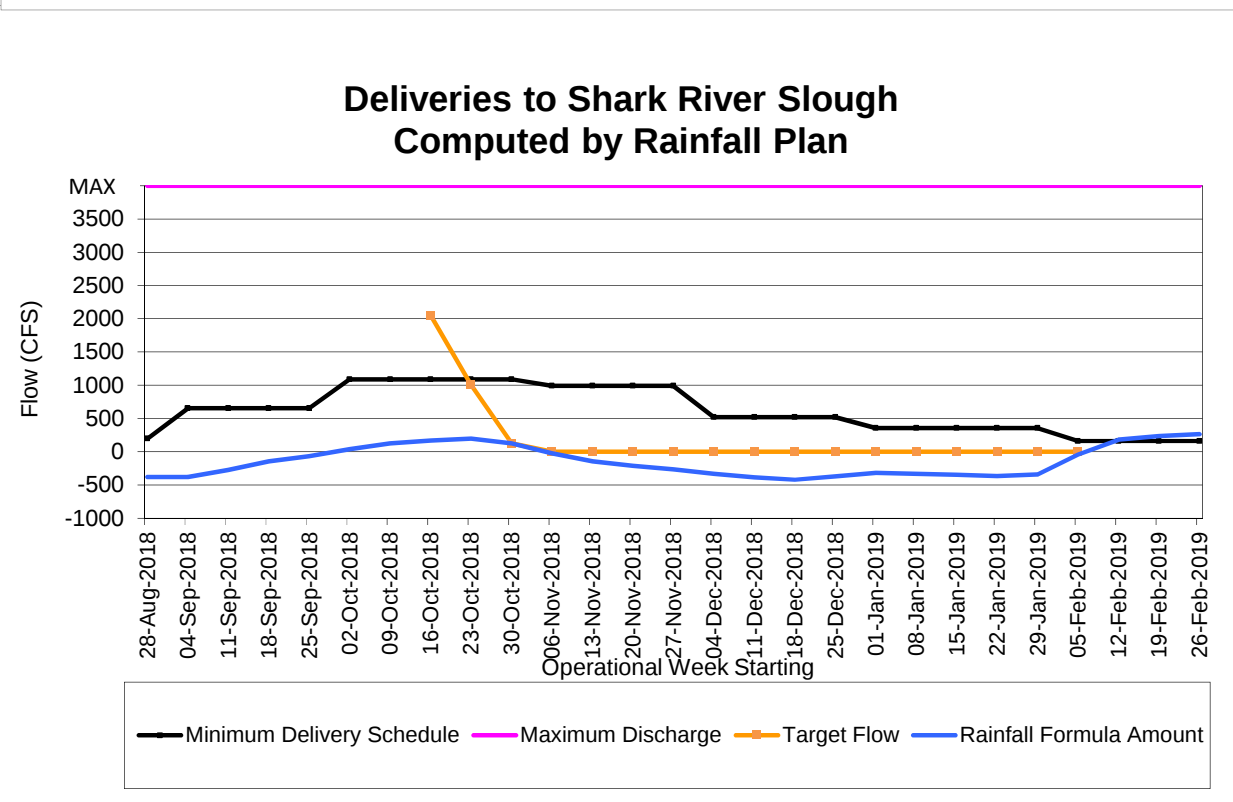
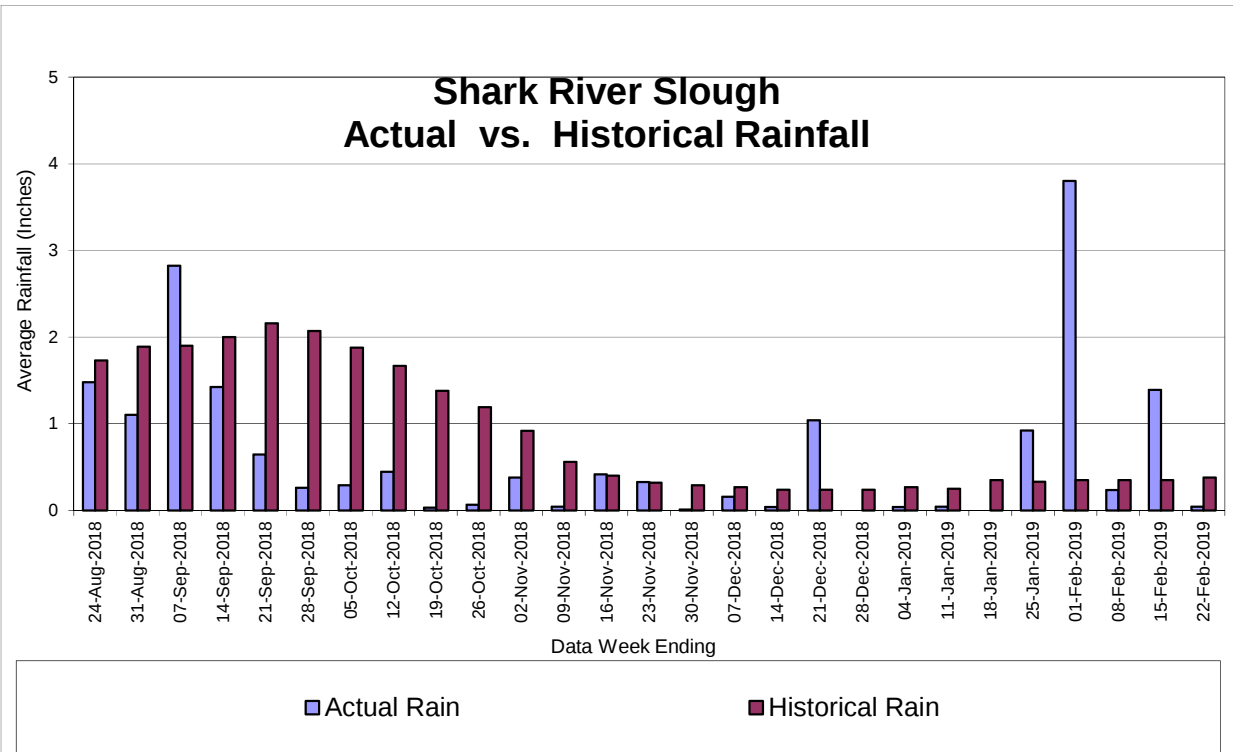
Adjusted WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Potential regulatory discharge	702 cfs
Distance to Bottom of Current Zone	-0.28 feet
Distance to Top of Current Zone	0.20 feet

-----Statistical Parameters -----

Rainfall Formula Amount	264 cfs
Last Week's Rainfall Formula	235 cfs
Pre-project Mean Discharge	69 cfs
Rainfall Excess Terms	
RL1 0.42	RL2 3.30
	RL3 -0.32

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow March 5, 2019

to

March 11, 2019

**Adjusted
995 cfs**

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount	229 cfs
□Regulatory Discharge	241 cfs
☒ Potential Regulatory Discharge	767 cfs

-----Data Summary -----	February 23, 2019	to	March 1, 2019
WCA-3A Stage (end of week)	9.72		ft-NGVD
Angel's	5.12		ft-NGVD
G-3273	5.74		ft-NGVD

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A	0.32	1.51
and S7 evaporation		1.40
S-140		M
ENP		1.45
This Week's Avg	0.32	1.45
Pre-Project Avg	0.40	1.15

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Regulatory discharge is	241 cfs
Distance to Bottom of Current Zone	-0.10 feet
Distance to Top of Current Zone	0.38 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.64	16.52	14,000	
WCA-2A	12.26	11.00	80,250	
Others			0	
Total Storage Adjustment			94,250	0.21
WCA-3A	9.72			
Adjusted WCA-3A	9.93			

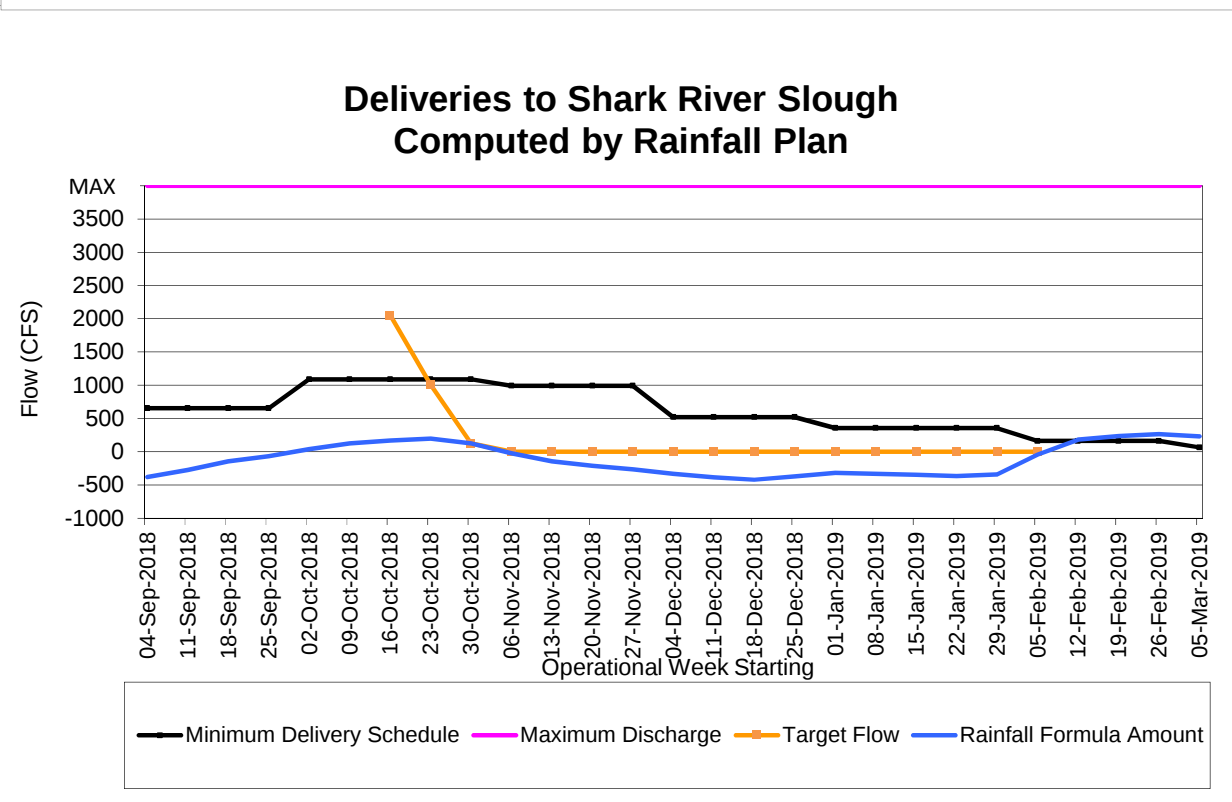
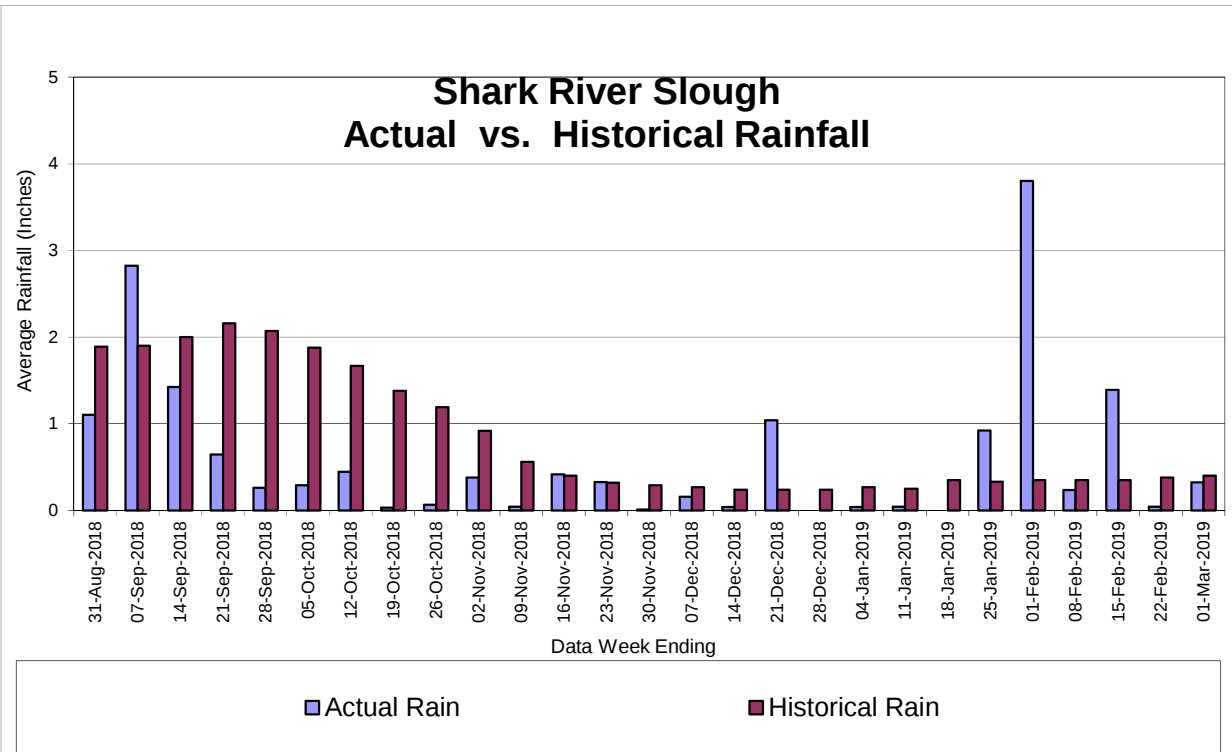
Adjusted WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Potential regulatory discharge	767 cfs
Distance to Bottom of Current Zone	-0.31 feet
Distance to Top of Current Zone	0.17 feet

-----Statistical Parameters -----

Rainfall Formula Amount	229 cfs
Last Week's Rainfall Formula	264 cfs
Pre-project Mean Discharge	50 cfs
Rainfall Excess Terms	
RL1 -0.82	RL2 4.65
	RL3 -1.46

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow March 12, 2019

to

March 18, 2019

268 cfs

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount	191 cfs
☒ Regulatory Discharge	77 cfs
☐ Potential Regulatory Discharge	527 cfs

-----Data Summary -----	March 2, 2019	to	March 8, 2019
WCA-3A Stage (end of week)	9.61		ft-NGVD
Angel's	4.95		ft-NGVD
G-3273	5.42		ft-NGVD

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A	0.12	1.50
and S7 evaporation		1.54
S-140		M
ENP		1.52
This Week's Avg	0.12	1.22
Pre-Project Avg	0.33	

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Regulatory discharge is	77 cfs
Distance to Bottom of Current Zone	-0.03 feet
Distance to Top of Current Zone	0.44 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.53	16.45	13,400	
WCA-2A	12.15	11.00	67,200	
Others			0	
Total Storage Adjustment			80,600	0.18
WCA-3A	9.61			
Adjusted WCA-3A	9.79			

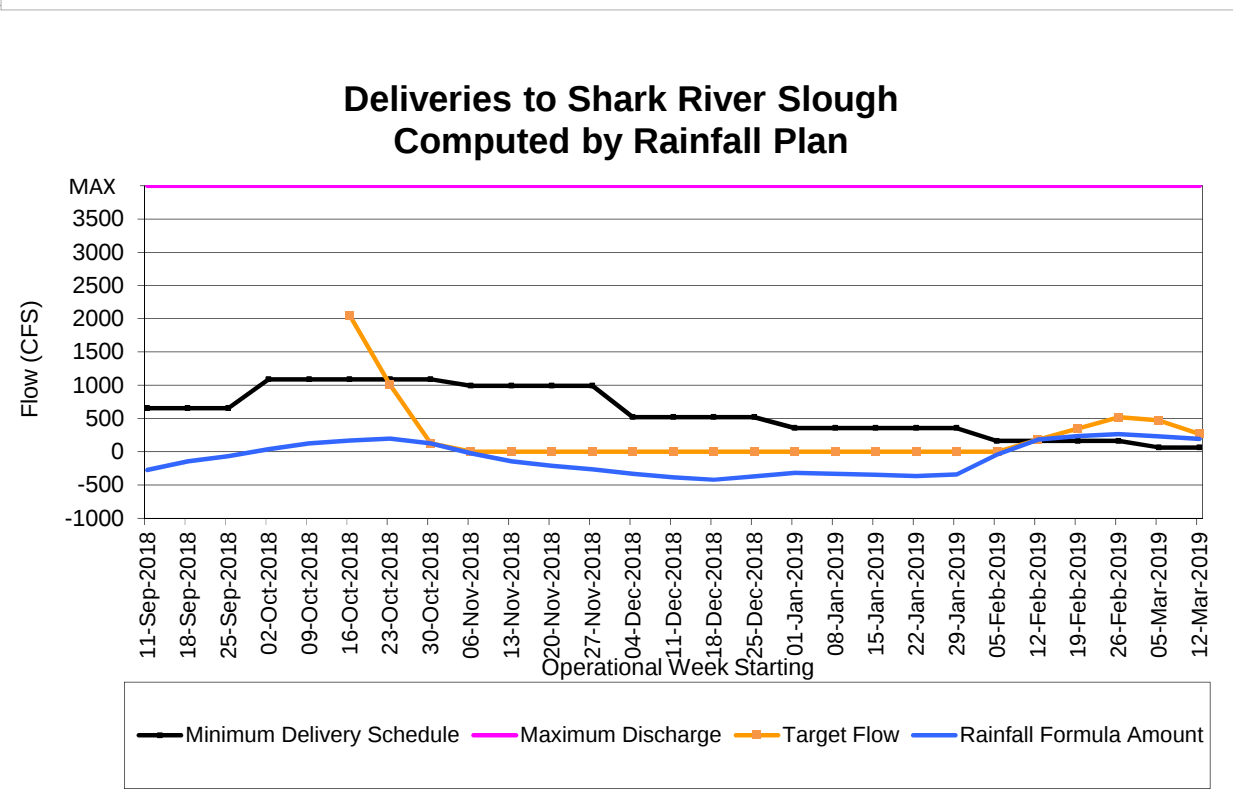
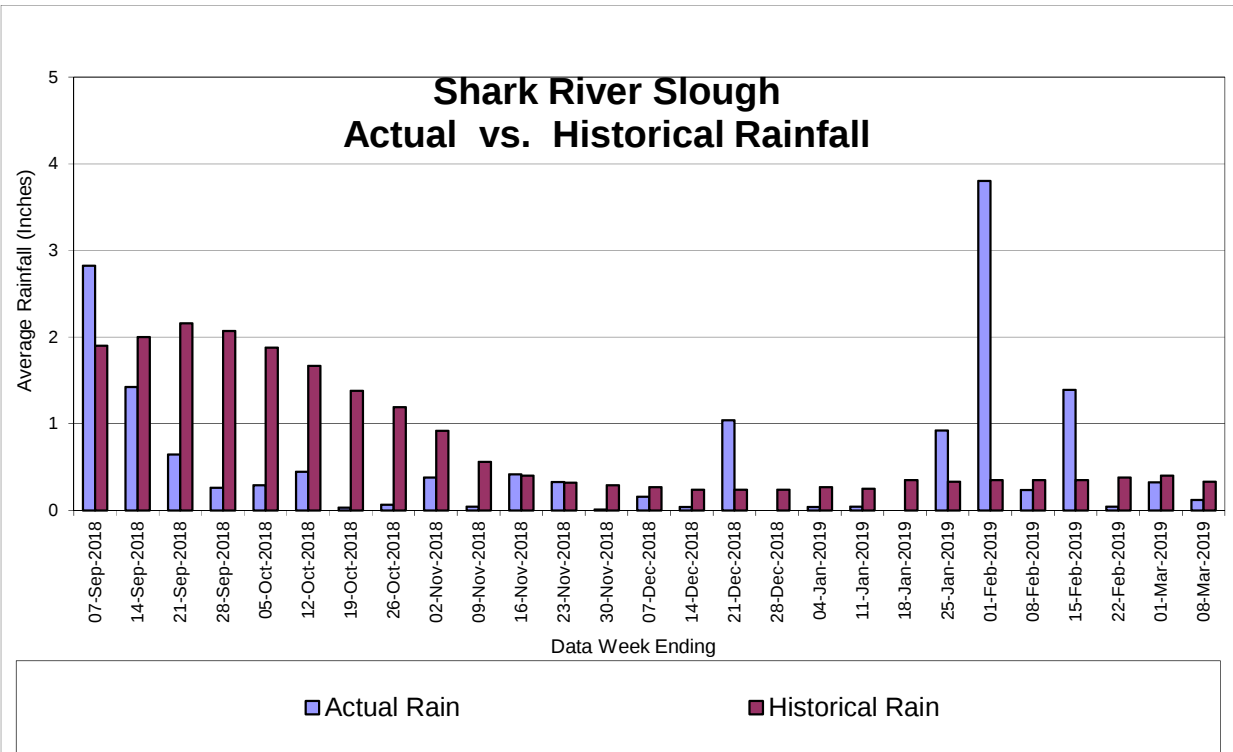
Adjusted WCA-3A is in Zone E1	Discharge Coeff. (cfs/ft) = 2500
Potential regulatory discharge	527 cfs
Distance to Bottom of Current Zone	-0.21 feet
Distance to Top of Current Zone	0.26 feet

-----Statistical Parameters -----

Rainfall Formula Amount	191 cfs	
Last Week's Rainfall Formula	229 cfs	
Pre-project Mean Discharge	35 cfs	
Rainfall Excess Terms		
RL1 -0.77	RL2 3.65	RL3 -0.62

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow March 19, 2019

to

March 25, 2019

140 cfs

The target flow is distributed from east to west (S-333, S-12D, S-12C, S-12B, and S-12A) to keep WCA 3A releases away from sub-population A of the Cape Sable seaside sparrow

Rainfall Formula Amount

140 cfs

☒Regulatory Discharge

0 cfs

☐Potential Regulatory Discharge

345 cfs

-----Data Summary -----

March 9, 2019

to

March 15, 2019

WCA-3A Stage (end of week)

9.52

ft-NGVD

Angel's

4.97

ft-NGVD

G-3273

5.38

ft-NGVD

Station

Rainfall (in)

Pan Evaporation (in)

NEXRAD Rain for WCA-3A
and S7 evaporation
S-140
ENP

0.00

1.43

1.61

M

This Week's Avg

0.00

1.52

Pre-Project Avg

0.43

1.29

----- Regulatory Discharge Calculation -----

WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) =

2500

Regulatory discharge is

0 cfs

Distance to Bottom of Current Zone

N/A

feet

Distance to Top of Current Zone

0.01 feet

-----Potential Regulatory Discharge Considering Upstream Water Levels-----

	Stage (ft-NGVD)	Regulation Stage (ft-NGVD)	Excess Storage (ac-ft)	Depth (ft)
WCA-1	16.37	16.37	0	
WCA-2A	12.06	11.00	62,850	
Others			0	
Total Storage Adjustment			62,850	0.15
WCA-3A	9.52			
Adjusted WCA-3A	9.67			

Adjusted WCA-3A is in Zone E1

Discharge Coeff. (cfs/ft) =

2500

Potential regulatory discharge

345 cfs

Distance to Bottom of Current Zone

-0.14 feet

Distance to Top of Current Zone

0.33 feet

-----Statistical Parameters -----

Rainfall Formula Amount

140 cfs

Last Week's Rainfall Formula

191 cfs

Pre-project Mean Discharge

25 cfs

Rainfall Excess Terms

RL1 -1.06

RL2 -0.07

RL3

3.13

COMMENT: S7 estimated evap data and S140 estimated evap data were used. ENP evap data were missing

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.

