

## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 3, 2017 to January 9, 2017 77 cfs

S-12 Discharge 34 cfs  
 S-333 Discharge 42 cfs

-----Data Summary -----  
 December 24, 2016 to December 30, 2016

WCA-3A Stage (end of week)	9.89	ft. msl	
Angel's	5.53	ft. msl	
G-3273	6.38	ft. msl	

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.08	0.76
S-140		0.82
ENP		M
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This Week's Avg	0.08	0.79
Pre-Project Avg	0.24	0.75

-----Transition Zone Information -----

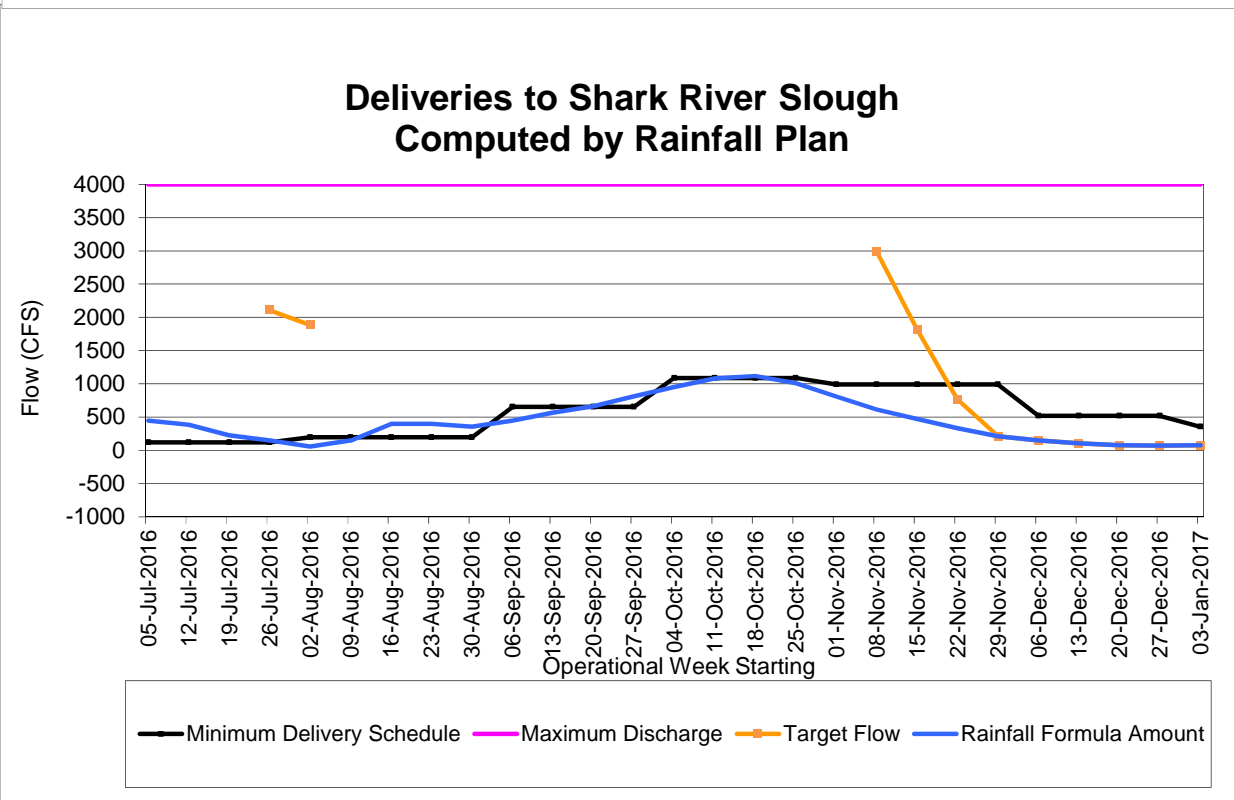
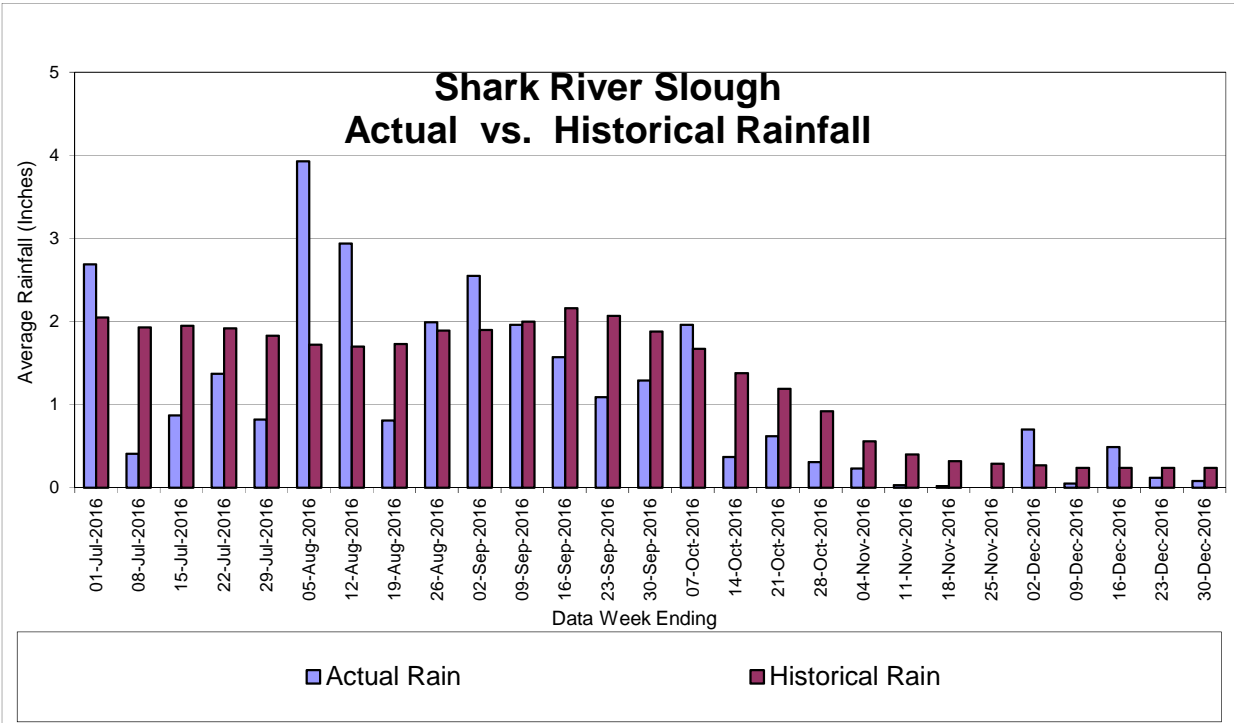
<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.36 feet

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

Rainfall Formula Amount	77 cfs
Last Week's Rainfall Formula	71 cfs
Pre-project Mean Discharge	282 cfs
Rainfall Excess Terms	
RL1 -0.30	RL2 0.12
	RL3 -2.19

**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 10, 2017 to January 16, 2017 50 cfs

S-12 Discharge 22 cfs  
 S-333 Discharge 27 cfs

-----Data Summary -----  
 December 31, 2016 to January 6, 2017  
 WCA-3A Stage (end of week) 9.84 ft. msl  
 Angel's 5.55 ft. msl  
 G-3273 6.36 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.21	0.76
S-140		0.76
ENP		M
This Week's Avg	0.21	0.76
Pre-Project Avg	0.27	0.75

-----Transition Zone Information -----  
**WCA-3A is in Zone E** Discharge Coeff. (cfs/ft) = 2500  
 Supplemental discharge is 0 cfs  
 Distance to Bottom of Current Zone N/A feet  
 Distance to Top of Current Zone 0.13 feet

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

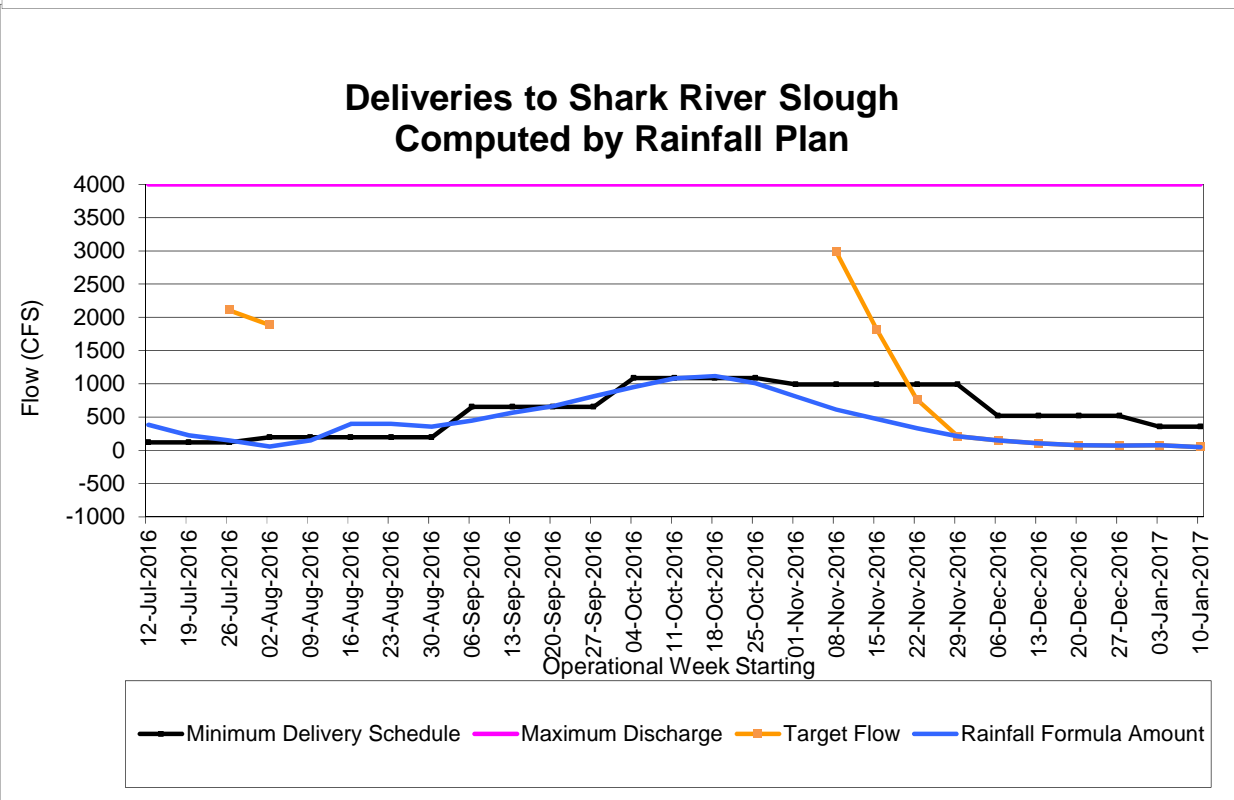
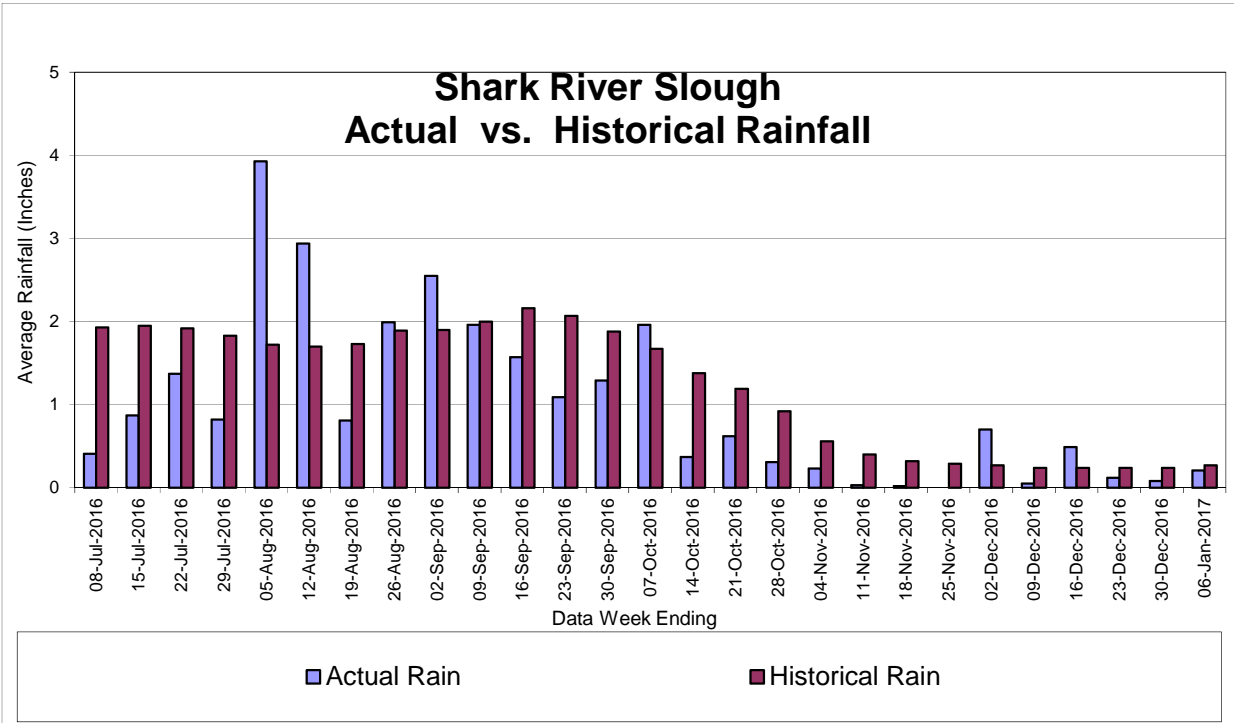
Rainfall Formula Amount 50 cfs  
 Last Week's Rainfall Formula 77 cfs  
 Pre-project Mean Discharge 247 cfs

Rainfall Excess Terms

RL1 -0.26	RL2 0.38	RL3 -1.77
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**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 17, 2017 to January 23, 2017 30 cfs

S-12 Discharge 14 cfs  
 S-333 Discharge 17 cfs

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

	January 7, 2017	to	January 13, 2017
WCA-3A Stage (end of week)	9.78		ft. msl
Angel's	5.38		ft. msl
G-3273	6.14		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.28	0.79
S-140		1.02
ENP		M
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This Week's Avg	0.28	0.90
Pre-Project Avg	0.25	0.77

-----Transition Zone Information -----

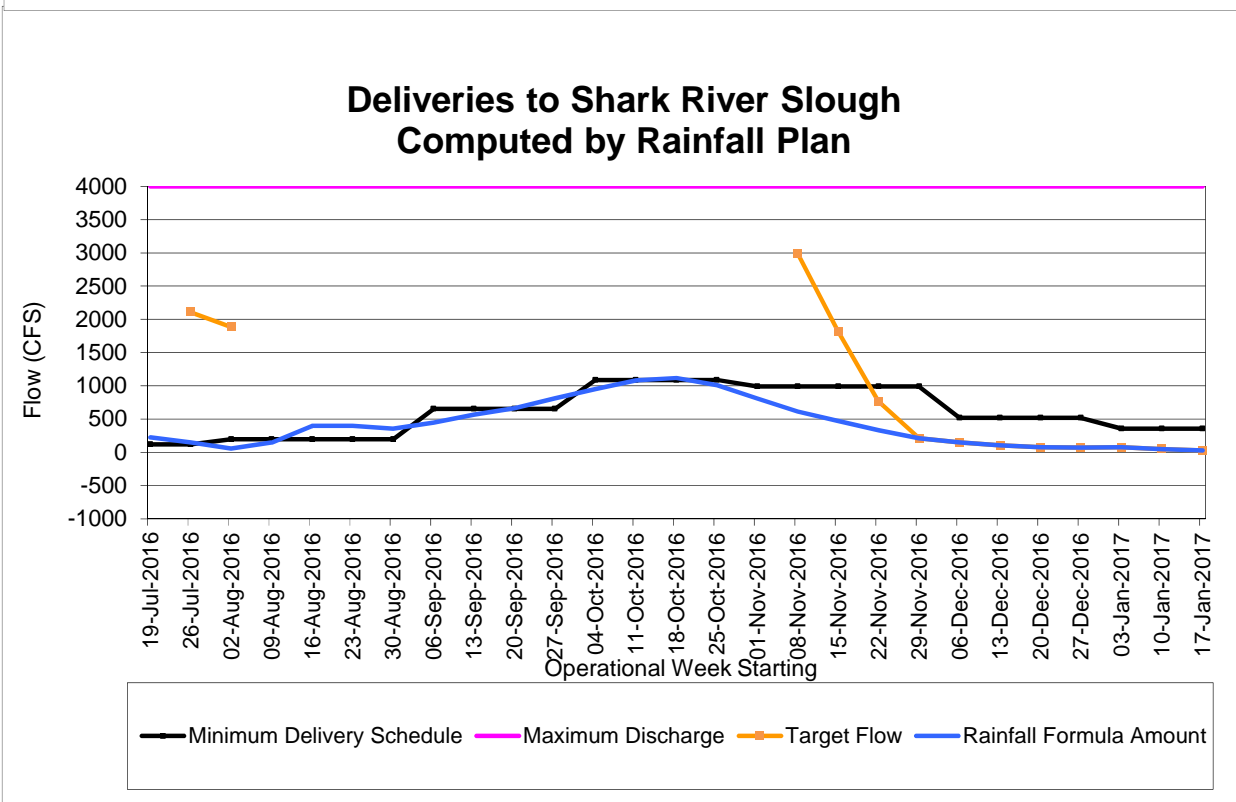
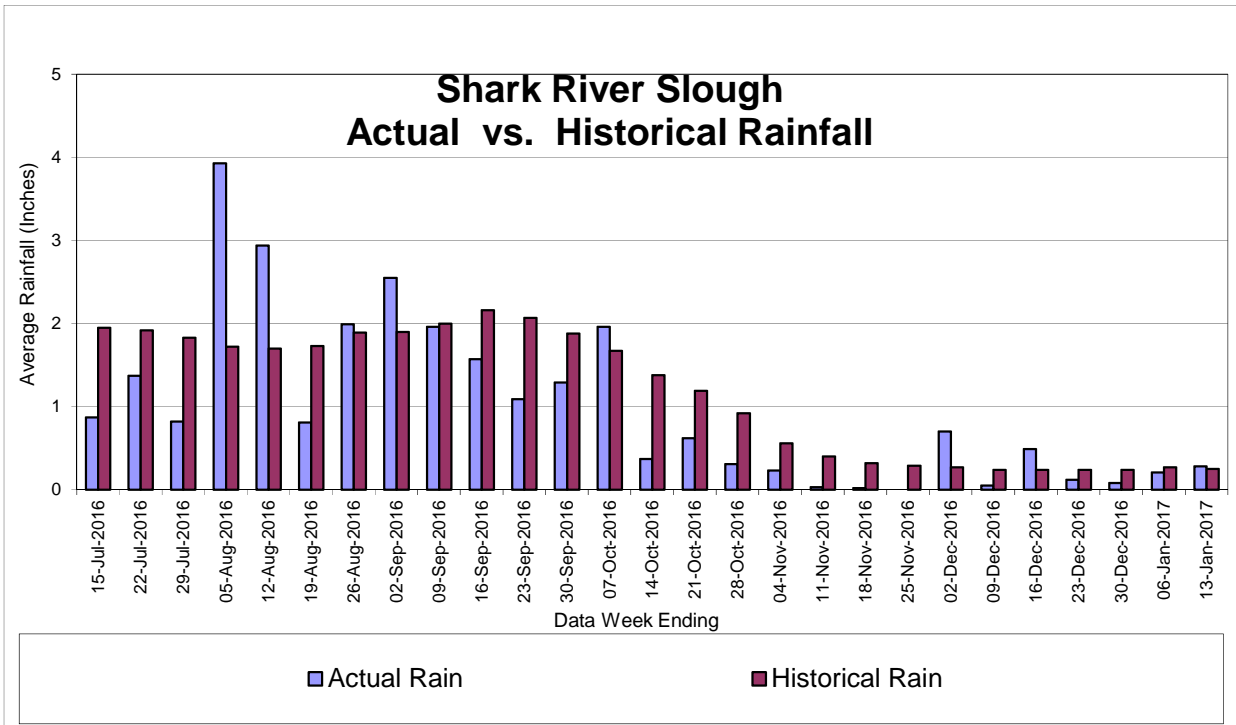
<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.14 feet

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

Rainfall Formula Amount	30 cfs
Last Week's Rainfall Formula	50 cfs
Pre-project Mean Discharge	216 cfs
Rainfall Excess Terms	
RL1 -0.15	RL2 -0.29
	RL3 -0.66

**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 24, 2017 to January 30, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	January 14, 2017	to	January 20, 2017
WCA-3A Stage (end of week)	9.71		ft. msl
Angel's	5.19		ft. msl
G-3273	5.90		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.03	0.90
S-140		1.01
ENP		M
-----		
This Week's Avg	0.03	0.96
Pre-Project Avg	0.35	0.81

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.17 feet

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

Rainfall Formula Amount -10 cfs

Last Week's Rainfall Formula 30 cfs

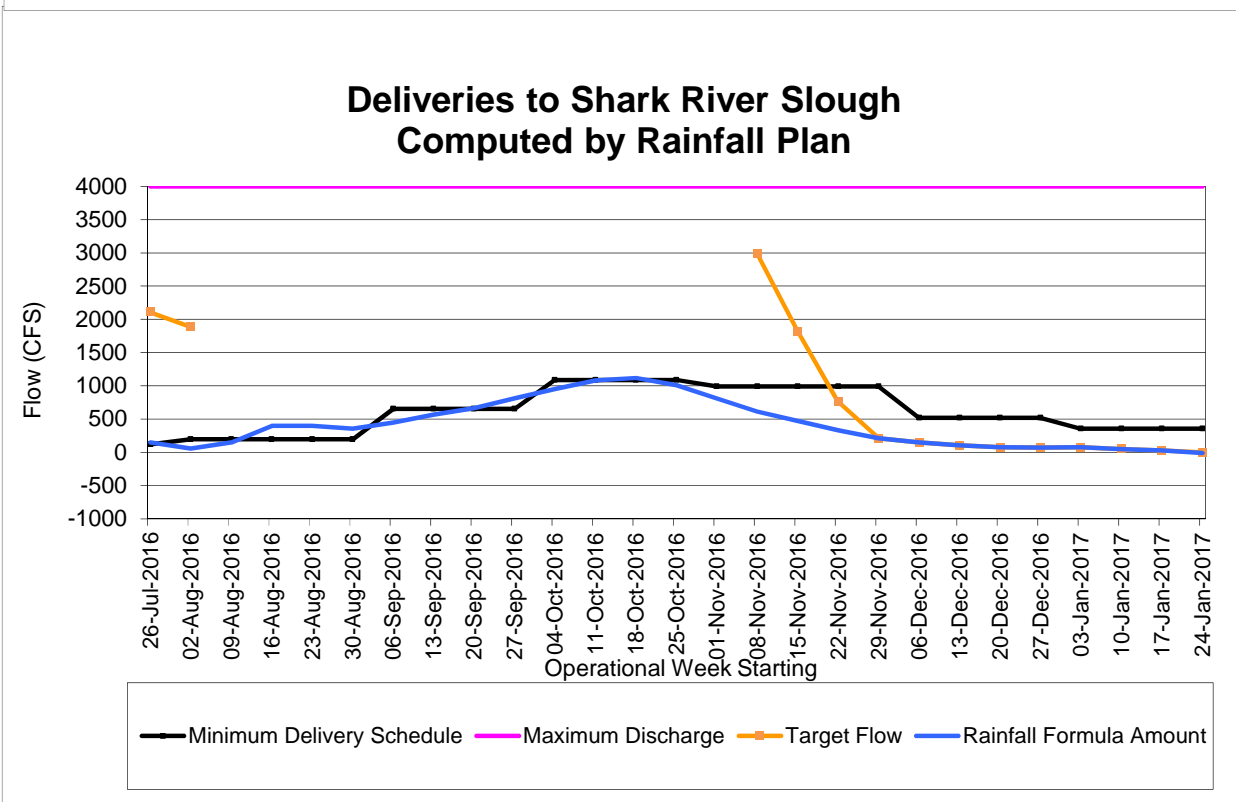
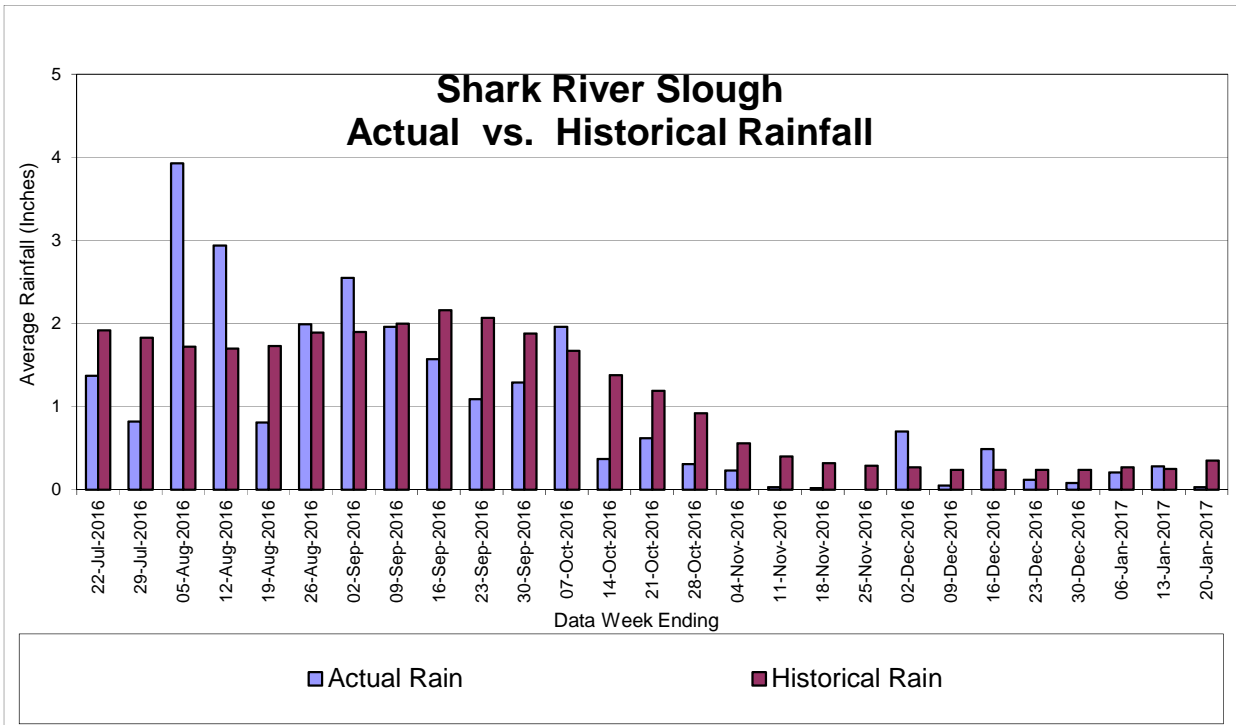
Pre-project Mean Discharge 186 cfs

Rainfall Excess Terms

RL1 -0.51	RL2 -0.10	RL3 -0.41
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**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 31, 2017 to February 6, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	January 21, 2017	to	January 27, 2017
WCA-3A Stage (end of week)	9.68		ft. msl
Angel's	5.06		ft. msl
G-3273	5.79		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.74	1.30
S-140		1.42
ENP		M
-----		
This Week's Avg	0.74	1.36
Pre-Project Avg	0.33	0.83

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.15 feet

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

Rainfall Formula Amount -47 cfs

Last Week's Rainfall Formula -10 cfs

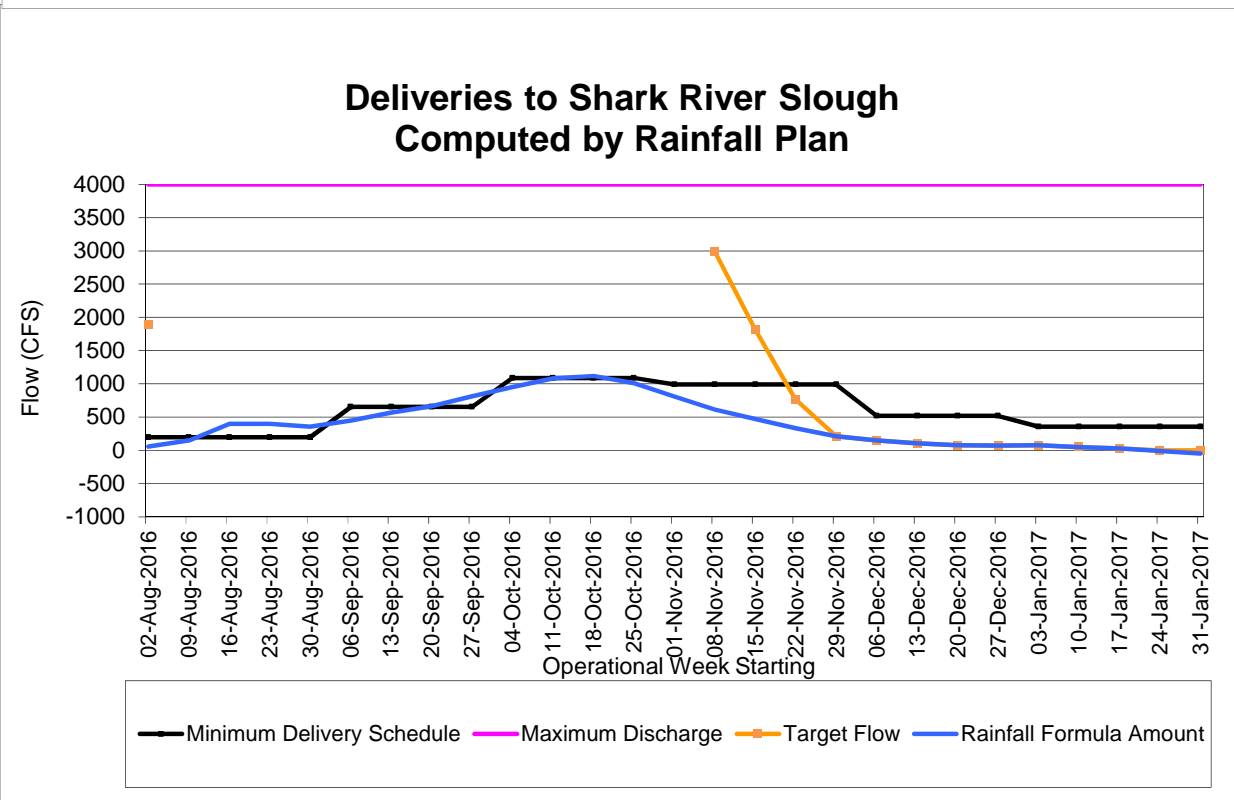
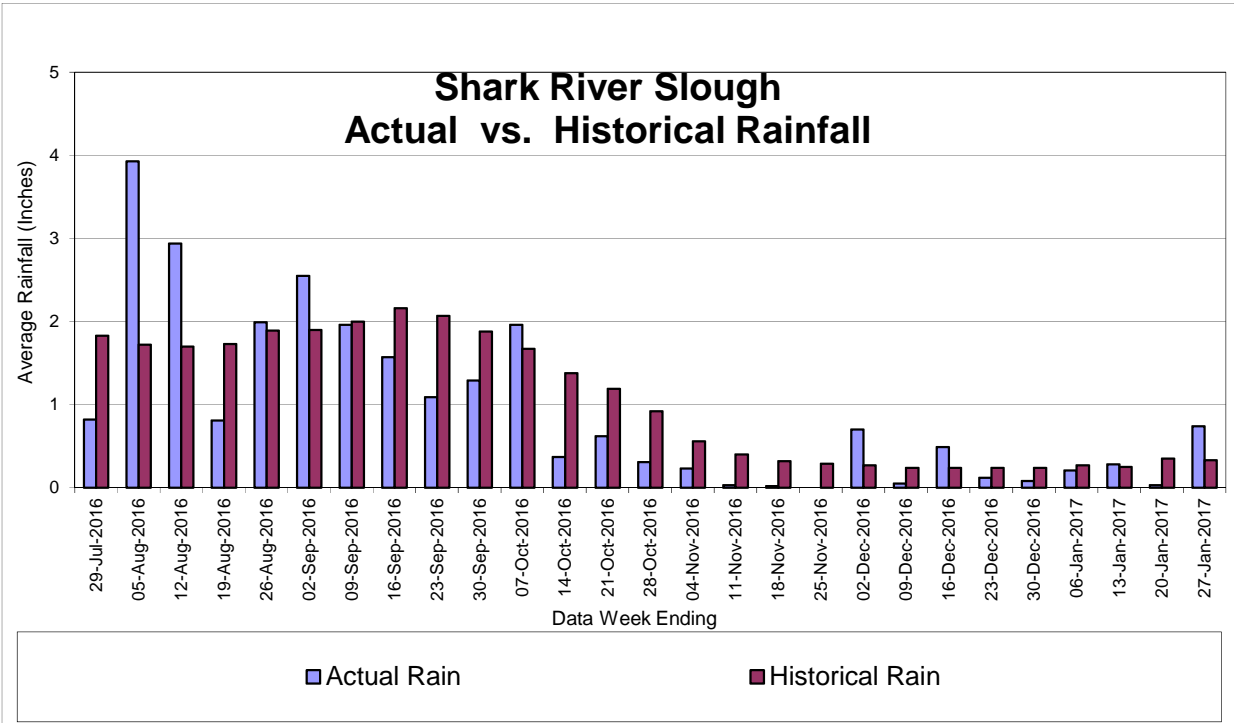
Pre-project Mean Discharge 153 cfs

Rainfall Excess Terms

RL1 -0.45	RL2 -0.45	RL3 0.12
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**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 7, 2017 to February 13, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

-----Data Summary -----  
 WCA-3A Stage (end of week) January 28, 2017 to February 3, 2017  
 Angel's 9.68 ft. msl  
 G-3273 5.04 ft. msl  
5.72 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.65	0.94
S-140		0.90
ENP		M
-----		
This Week's Avg	0.65	0.92
Pre-Project Avg	0.35	0.88

-----Transition Zone Information -----

WCA-3A is in Zone **E** Discharge Coeff. (cfs/ft) = **2500**  
 Supplemental discharge is 0 cfs  
 Distance to Bottom of Current Zone N/A feet  
 Distance to Top of Current Zone 0.11 feet

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

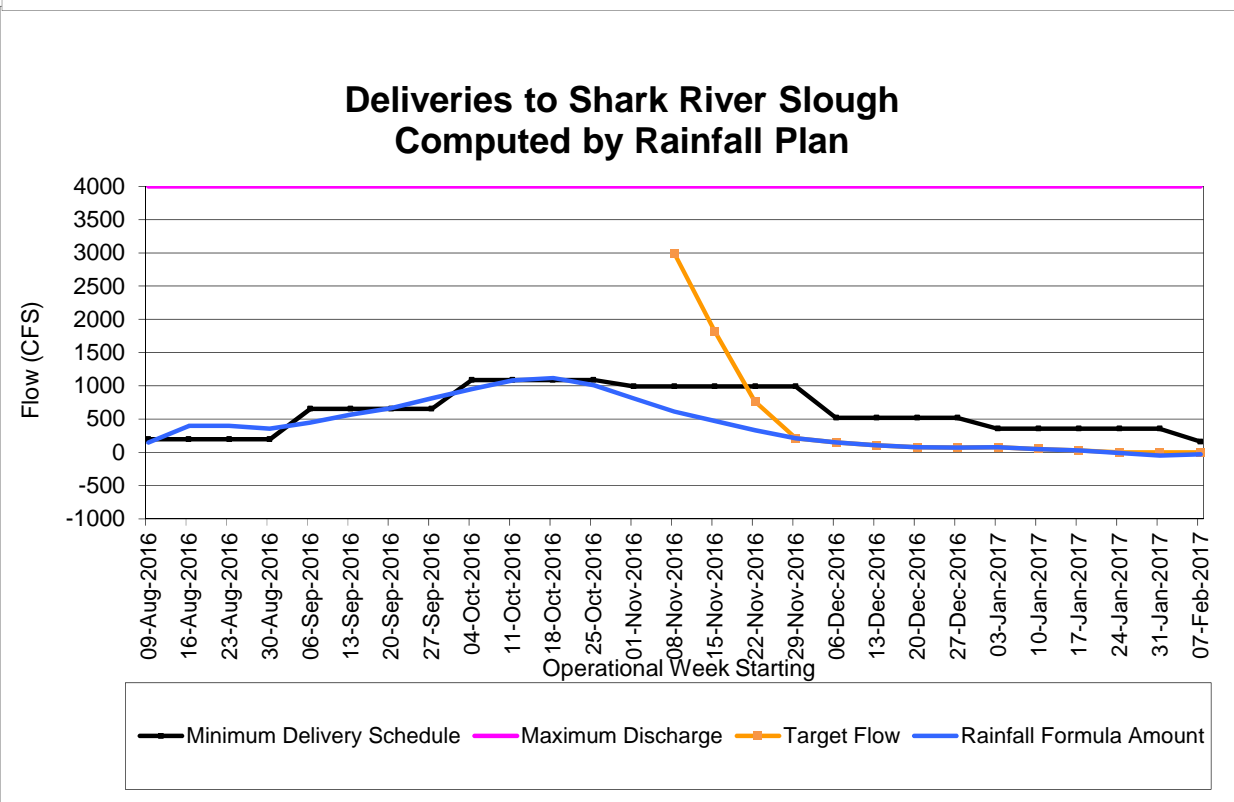
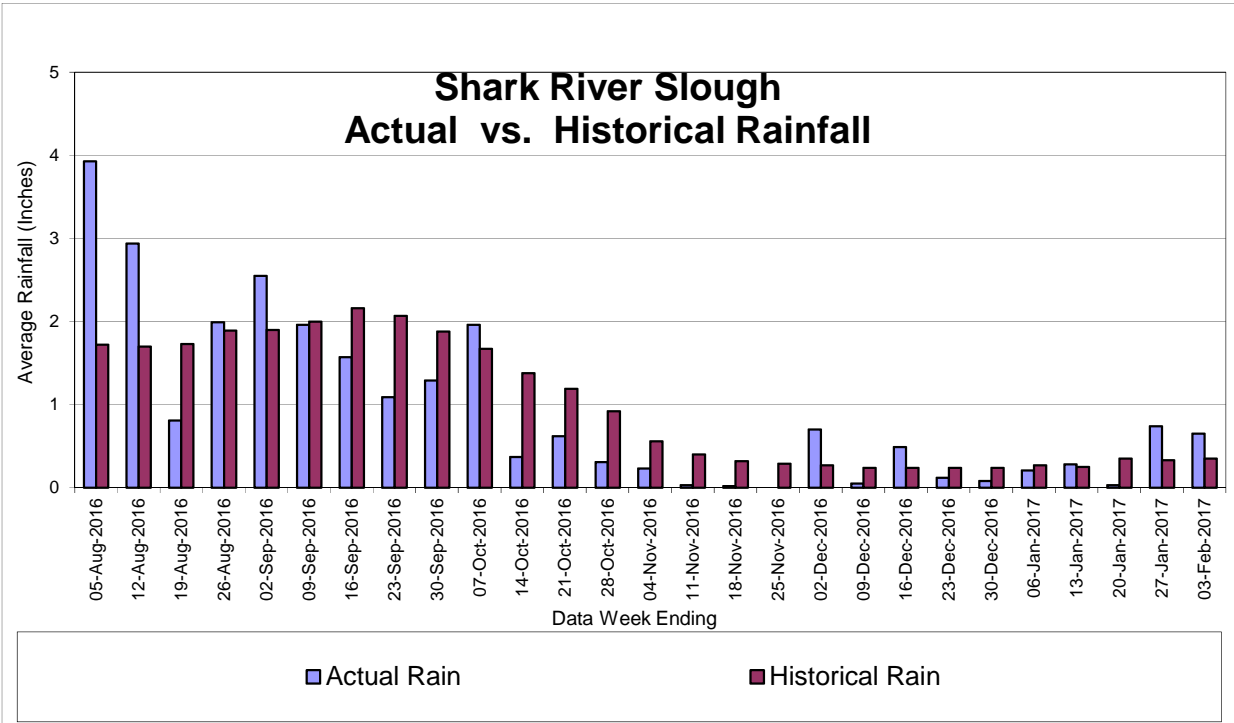
Rainfall Formula Amount -30 cfs  
 Last Week's Rainfall Formula -47 cfs  
 Pre-project Mean Discharge 130 cfs

Rainfall Excess Terms

RL1 0.25	RL2 -0.78	RL3 0.38
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**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 14, 2017 to February 20, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	February 4, 2017	to	February 10, 2017
WCA-3A Stage (end of week)	9.60		ft. msl
Angel's	4.79		ft. msl
G-3273	5.41		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.02	0.80
S-140		1.09
ENP		M
-----		
This Week's Avg	0.02	0.94
Pre-Project Avg	0.35	0.94

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.14 feet

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

Rainfall Formula Amount -38 cfs

Last Week's Rainfall Formula -30 cfs

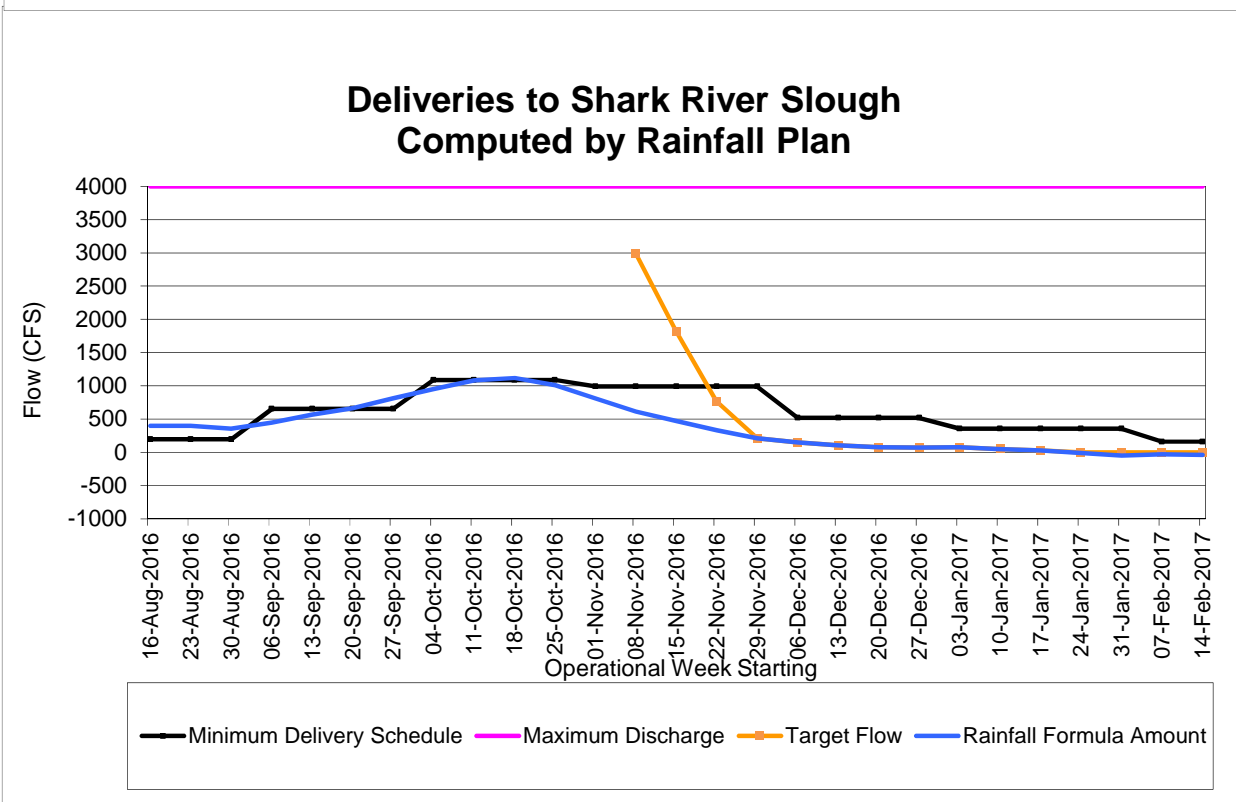
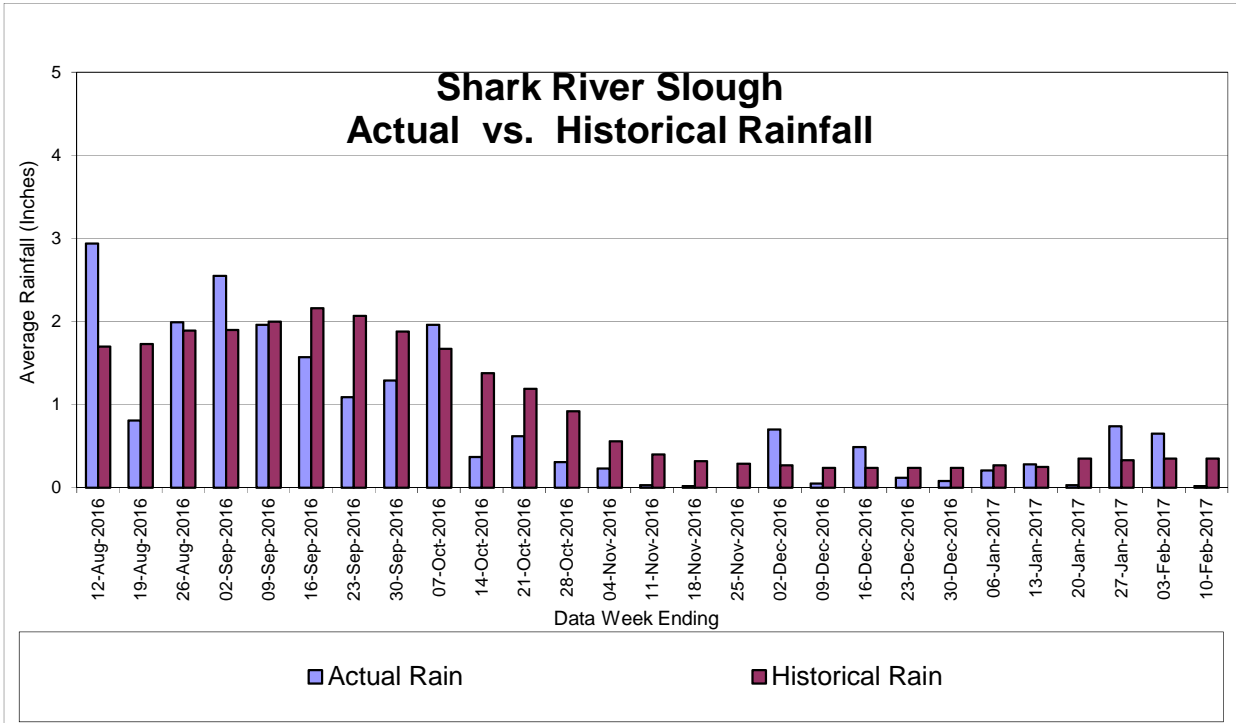
Pre-project Mean Discharge 110 cfs

Rainfall Excess Terms

RL1 -0.06	RL2 -0.60	RL3 -0.29
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**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 21, 2017 to February 27, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	February 11, 2017	to	February 17, 2017
WCA-3A Stage (end of week)	9.50		ft. msl
Angel's	4.55		ft. msl
G-3273	5.11		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.03	0.80
S-140		1.05
ENP		M
-----		
This Week's Avg	0.03	0.92
Pre-Project Avg	0.35	1.01

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.20 feet

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

Rainfall Formula Amount -77 cfs

Last Week's Rainfall Formula -38 cfs

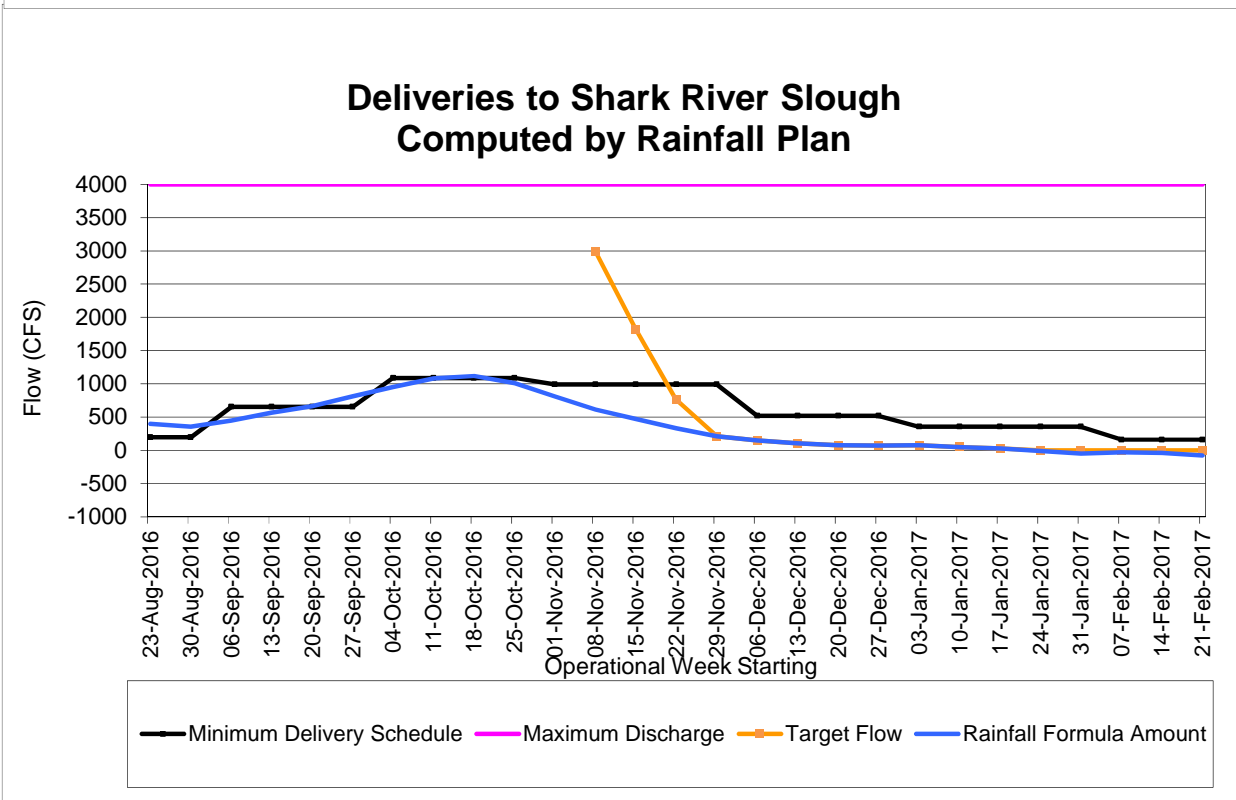
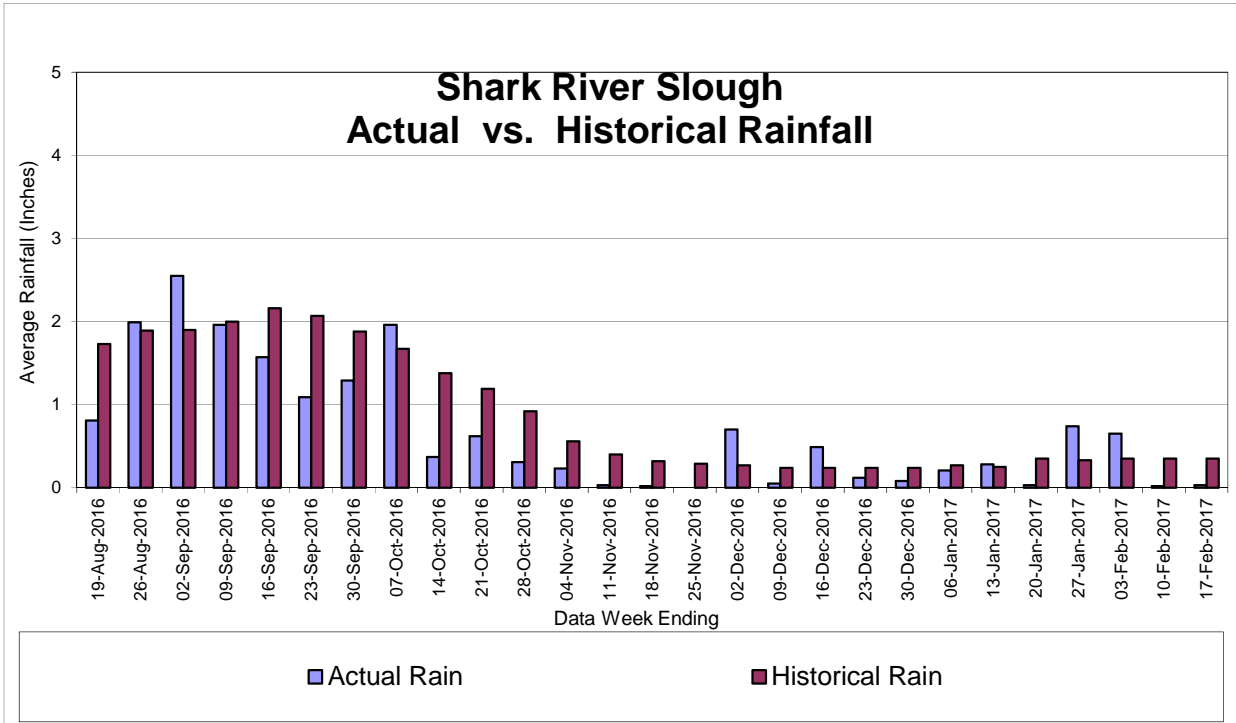
Pre-project Mean Discharge 88 cfs

Rainfall Excess Terms

RL1 -0.58	RL2 -0.26	RL3 -0.10
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**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 28, 2017 to March 6, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	February 18, 2017	to	February 24, 2017
WCA-3A Stage (end of week)	9.48		ft. msl
Angel's	4.92		ft. msl
G-3273	5.49		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.88	0.95
S-140		1.50
ENP		M
-----		
This Week's Avg	0.88	1.23
Pre-Project Avg	0.38	1.08

-----Transition Zone Information -----

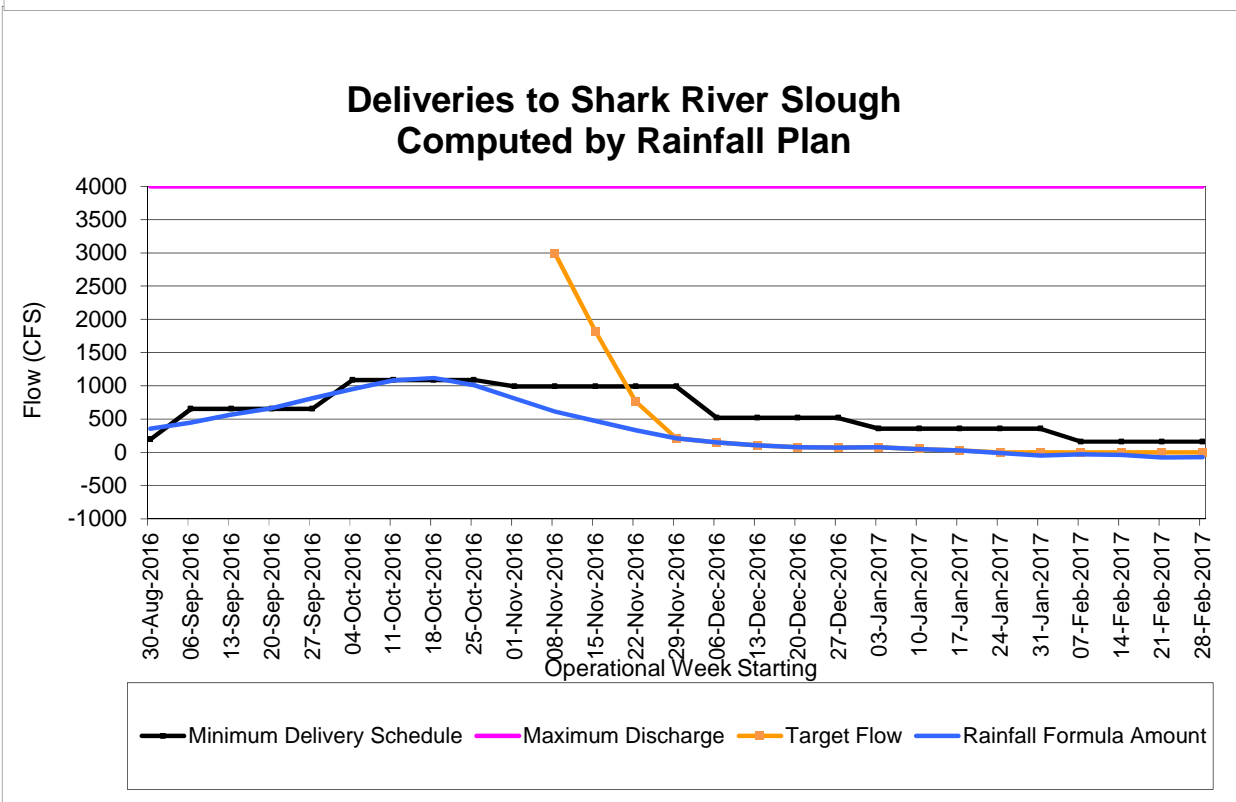
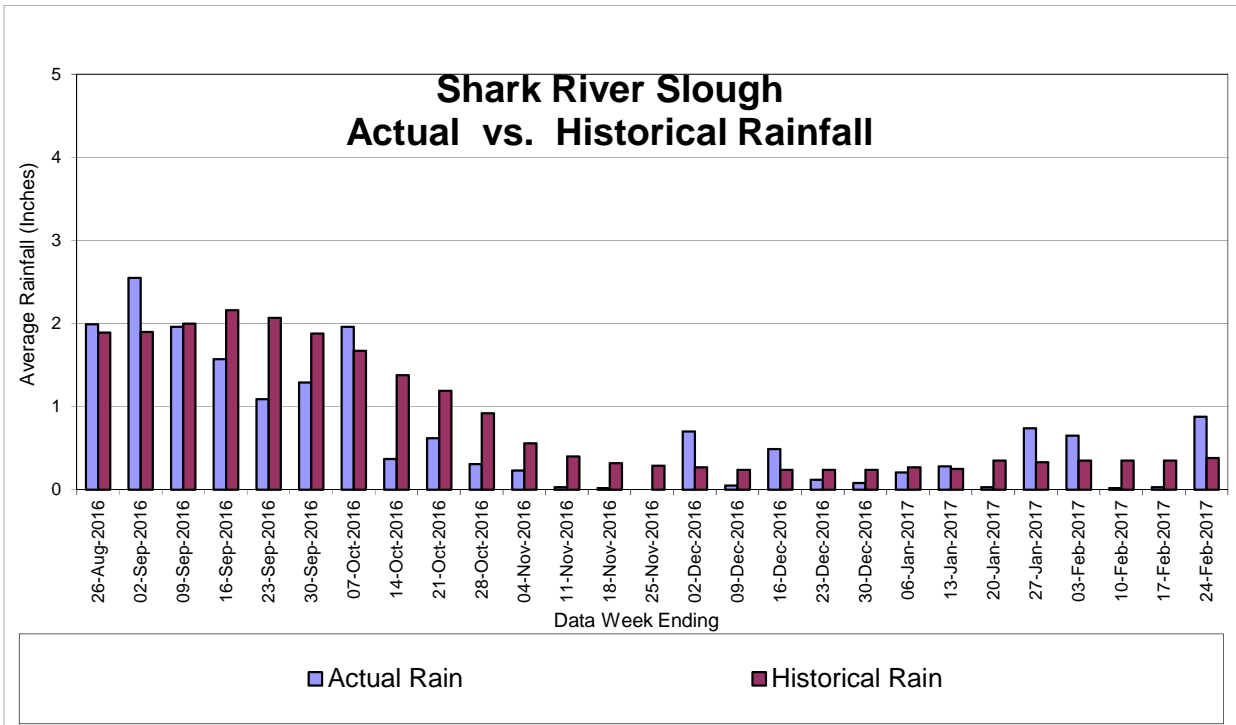
<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.18 feet

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

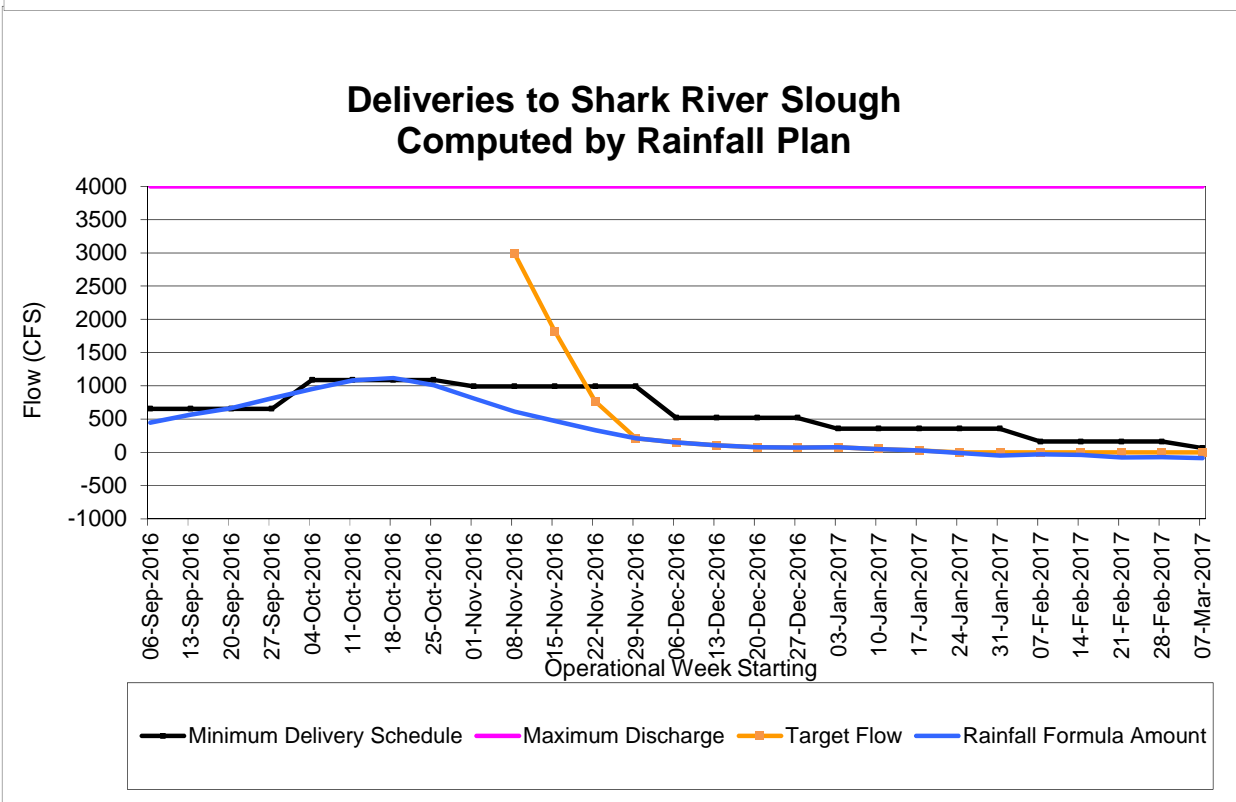
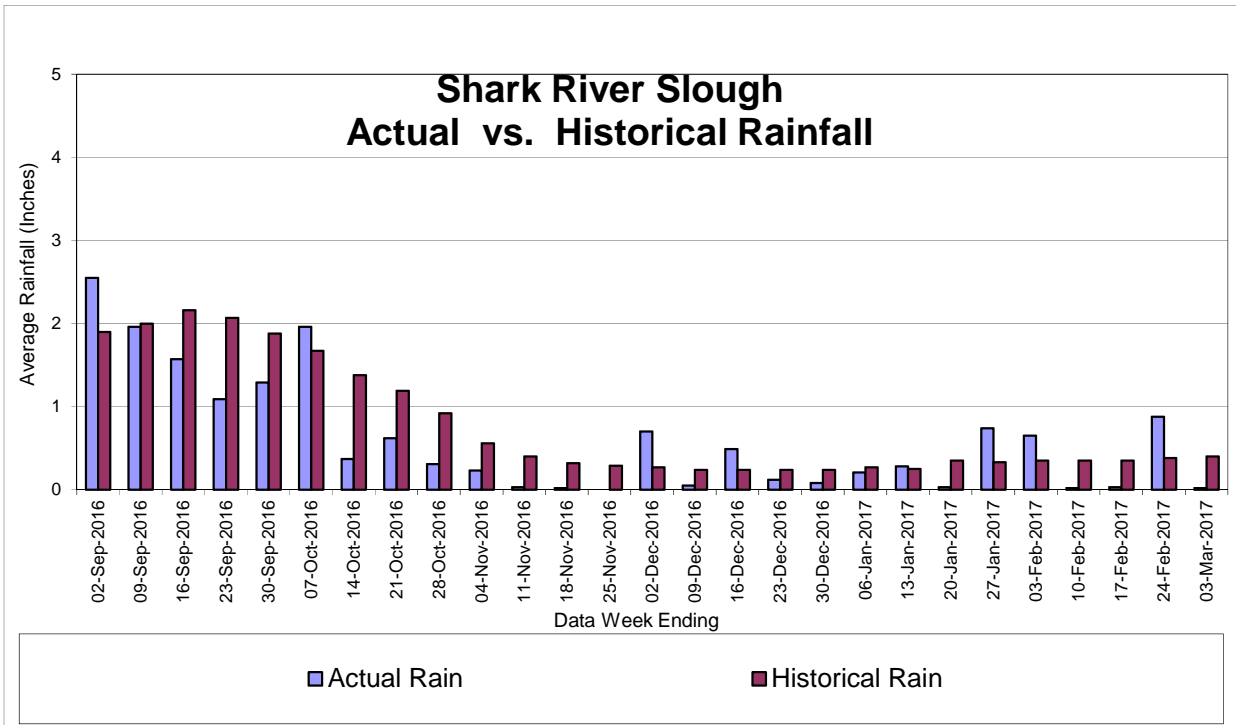
Rainfall Formula Amount	-71 cfs
Last Week's Rainfall Formula	-77 cfs
Pre-project Mean Discharge	69 cfs
Rainfall Excess Terms	
RL1 0.13	RL2 -0.52
	RL3 -0.45

**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 14, 2017 to March 20, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	March 4, 2017	to	March 10, 2017	
WCA-3A Stage (end of week)	9.27		ft. msl	
Angel's	4.27		ft. msl	
G-3273	4.63		ft. msl	

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	1.41
S-140		1.60
ENP		M
-----		
This Week's Avg	0.00	1.50
Pre-Project Avg	0.33	1.22

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.30 feet

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

Rainfall Formula Amount -148 cfs

Last Week's Rainfall Formula -87 cfs

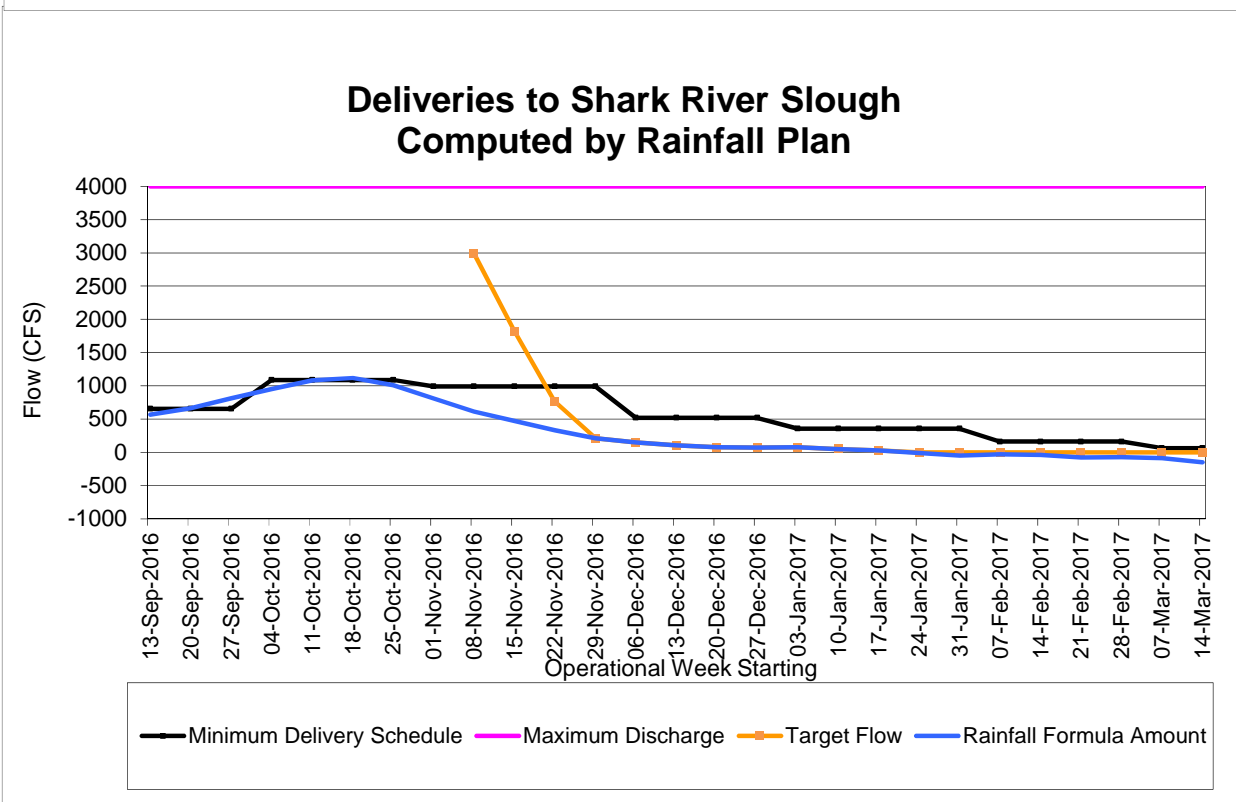
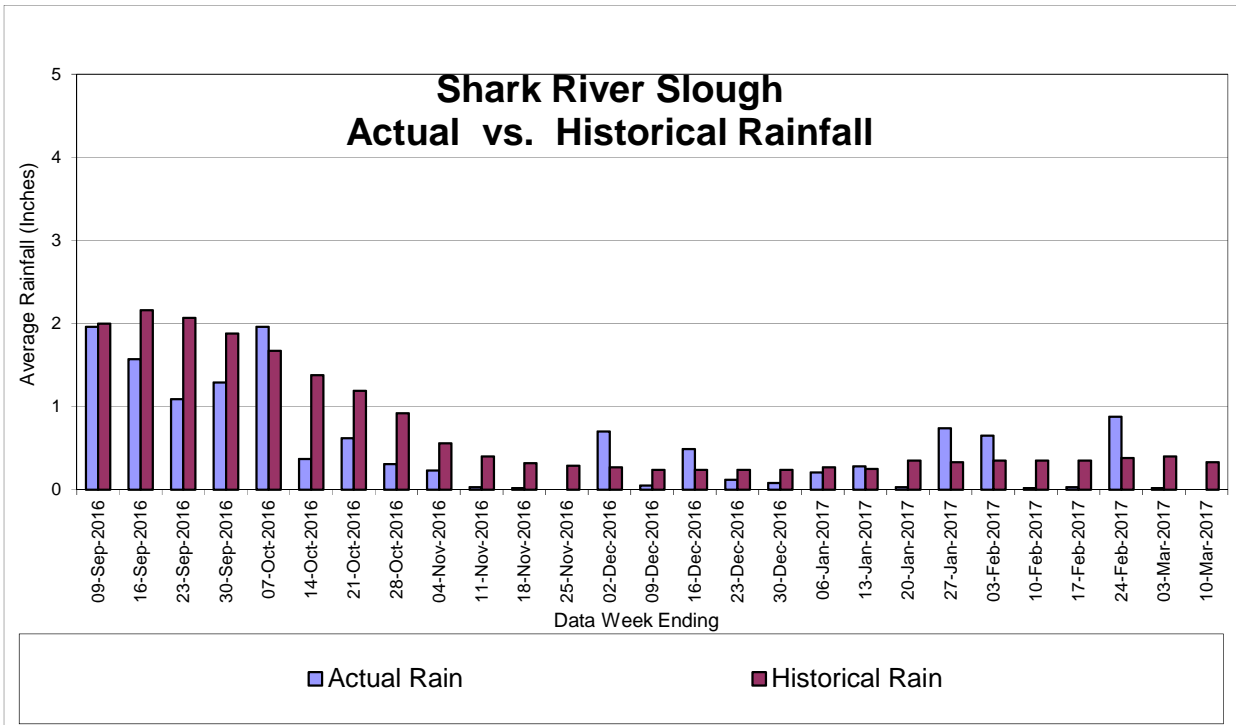
Pre-project Mean Discharge 35 cfs

Rainfall Excess Terms

RL1 -1.13	RL2 0.07	RL3 -0.60
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**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 21, 2017 to March 27, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	March 11, 2017	to	March 17, 2017
WCA-3A Stage (end of week)	9.24		ft. msl
Angel's	4.40		ft. msl
G-3273	4.77		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.97	1.57
S-140		1.60
ENP		M
-----		
This Week's Avg	0.97	1.58
Pre-Project Avg	0.43	1.29

-----Transition Zone Information -----

<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.28 feet

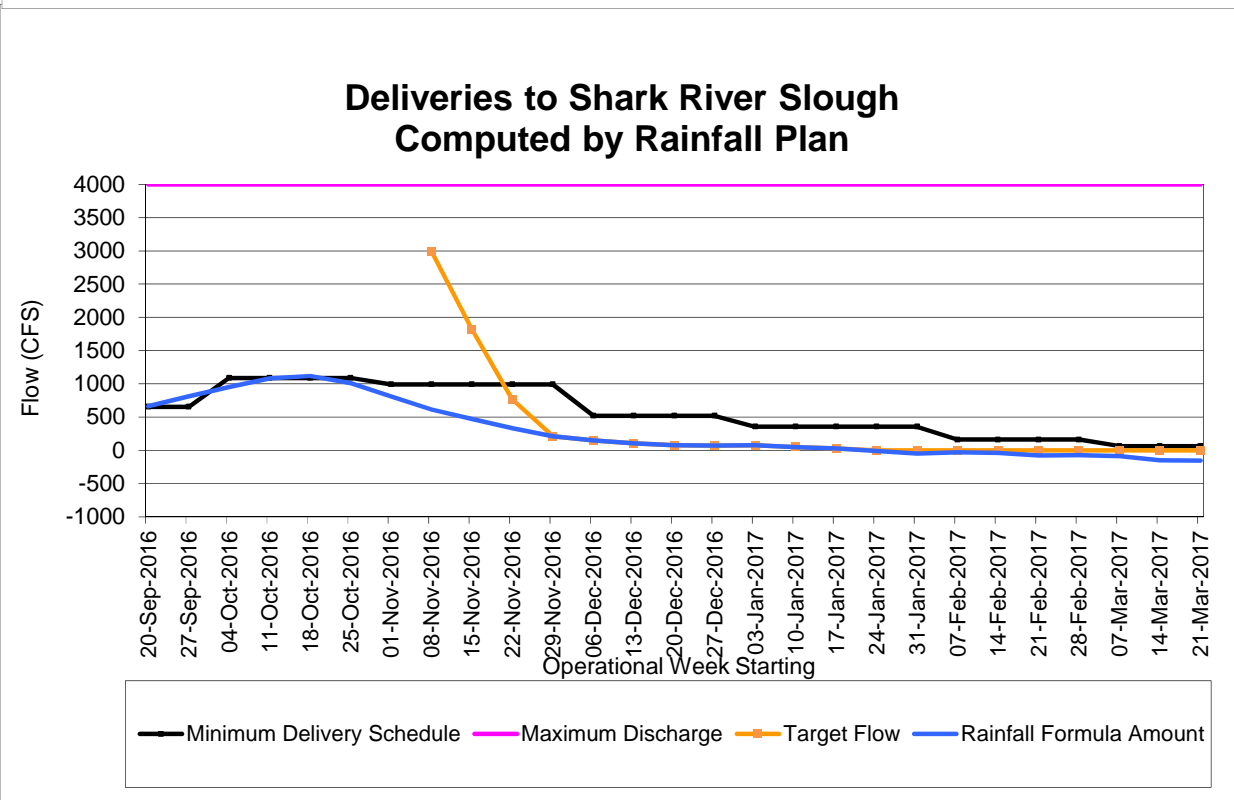
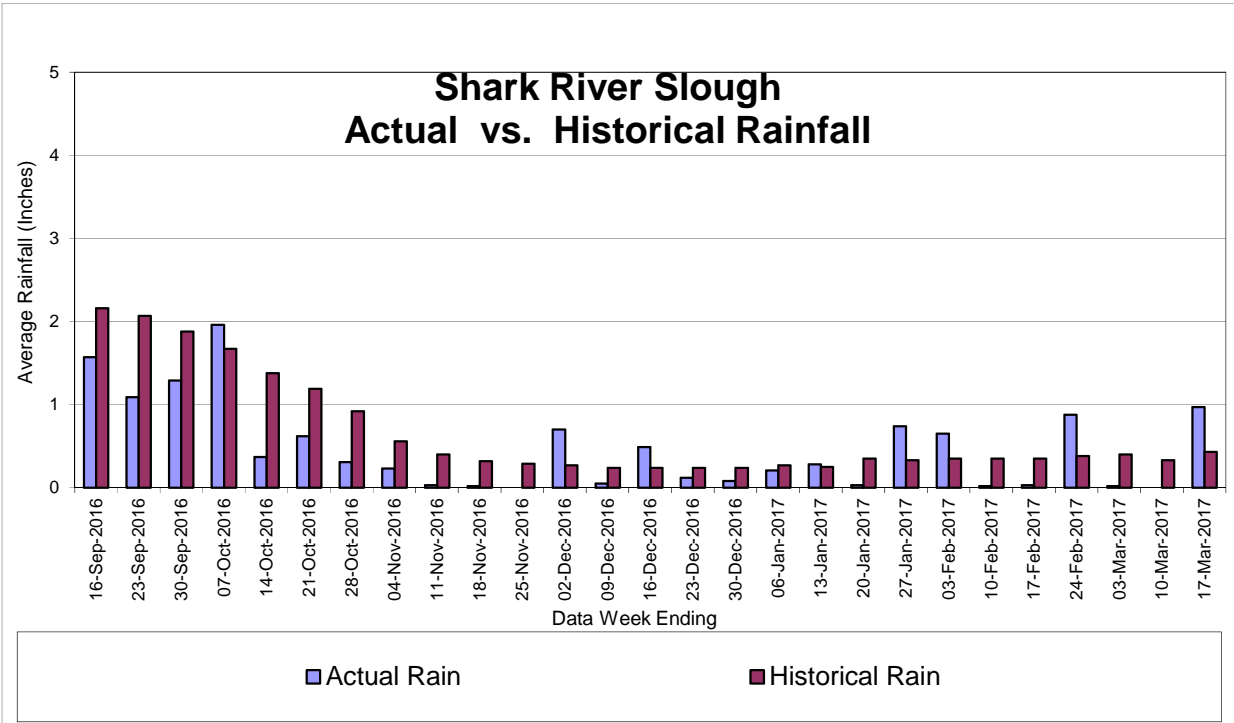
-----Statistical Parameters -----

Rainfall Formula Amount	-155 cfs
Last Week's Rainfall Formula	-148 cfs
Pre-project Mean Discharge	25 cfs

Rainfall Excess Terms	RL1 -0.25	RL2 -0.78	RL3 -0.26
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**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 28, 2017 to April 3, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

-----Data Summary -----  
 March 18, 2017 to March 24, 2017  
 WCA-3A Stage (end of week) 9.12 ft. msl  
 Angel's 4.12 ft. msl  
 G-3273 4.41 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.12	1.47
S-140		1.40
ENP		M
-----		
This Week's Avg	0.12	1.44
Pre-Project Avg	0.43	1.36

-----Transition Zone Information -----  
**WCA-3A is in Zone E** Discharge Coeff. (cfs/ft) = 2500  
 Supplemental discharge is 0 cfs  
 Distance to Bottom of Current Zone N/A feet  
 Distance to Top of Current Zone 0.36 feet

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

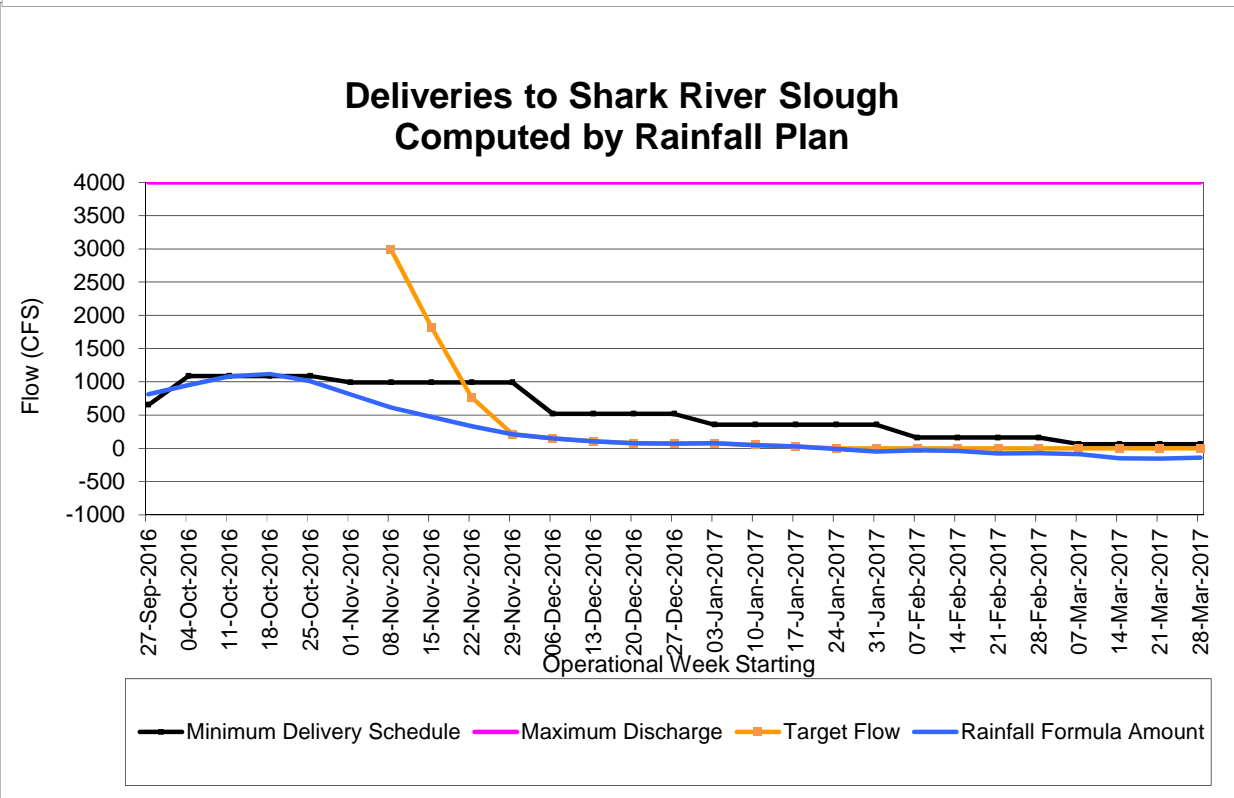
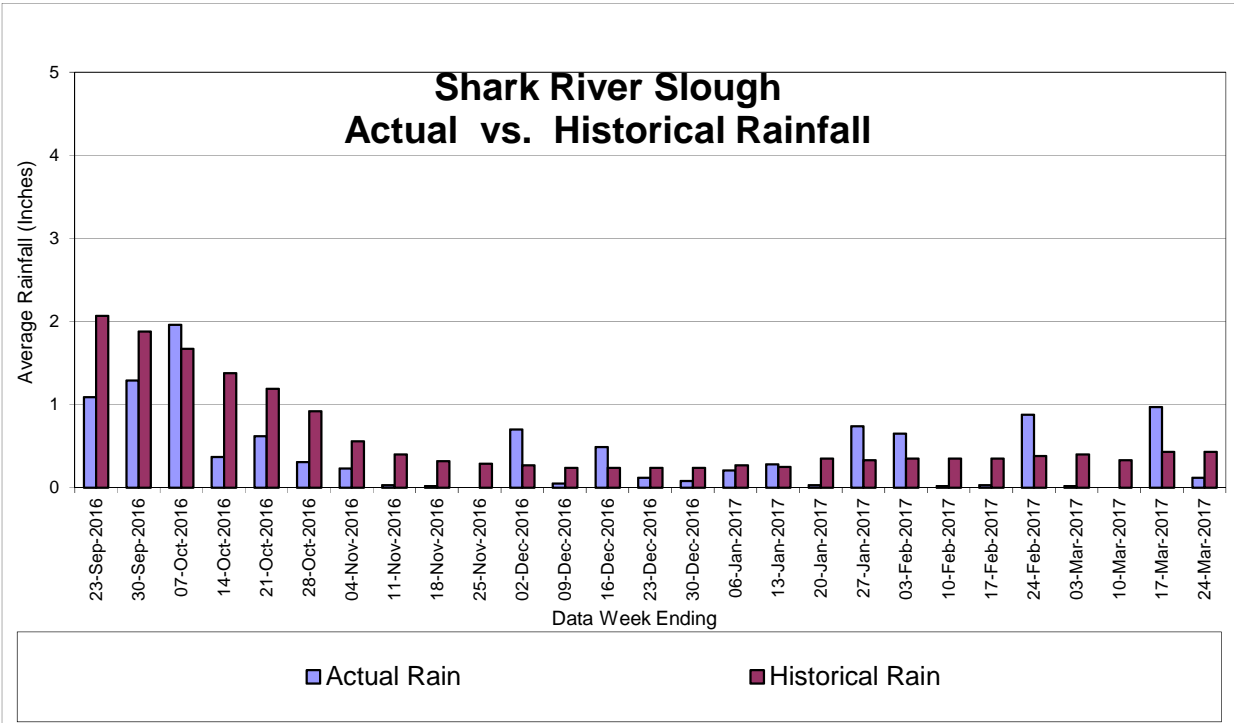
Rainfall Formula Amount -140 cfs  
 Last Week's Rainfall Formula -155 cfs  
 Pre-project Mean Discharge 26 cfs

Rainfall Excess Terms

RL1 -0.07	RL2 -1.00	RL3 -0.52
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**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 April 4, 2017

to April 10, 2017

0 cfs

S-12 Discharge  
S-333 Discharge

0 cfs  
0 cfs

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

	<b>March 25, 2017</b>	to	<b>March 31, 2017</b>
WCA-3A Stage (end of week)	9.04		ft. msl
Angel's	4.34		ft. msl
G-3273	4.63		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.15	1.44
S-140		1.09
ENP		M
-----		
This Week's Avg	0.15	1.26
Pre-Project Avg	0.54	1.41

-----Transition Zone Information -----

<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.39 feet

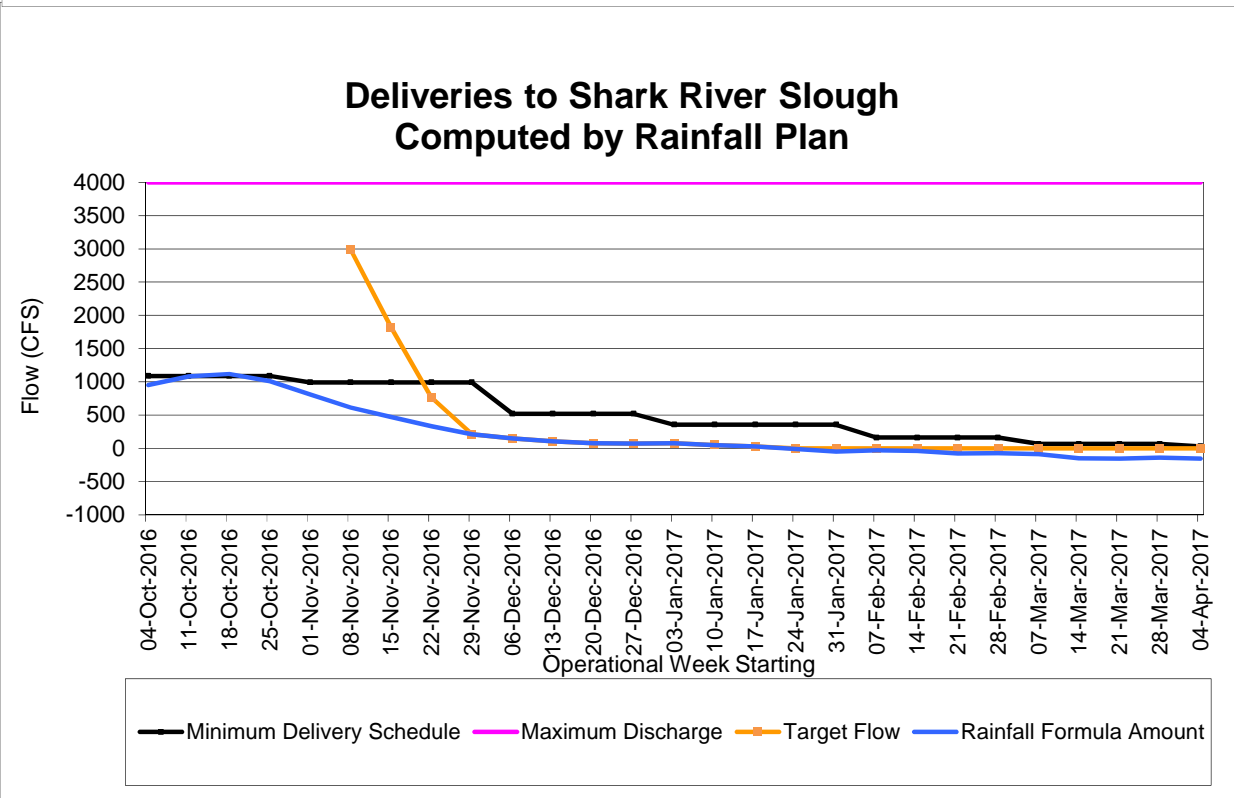
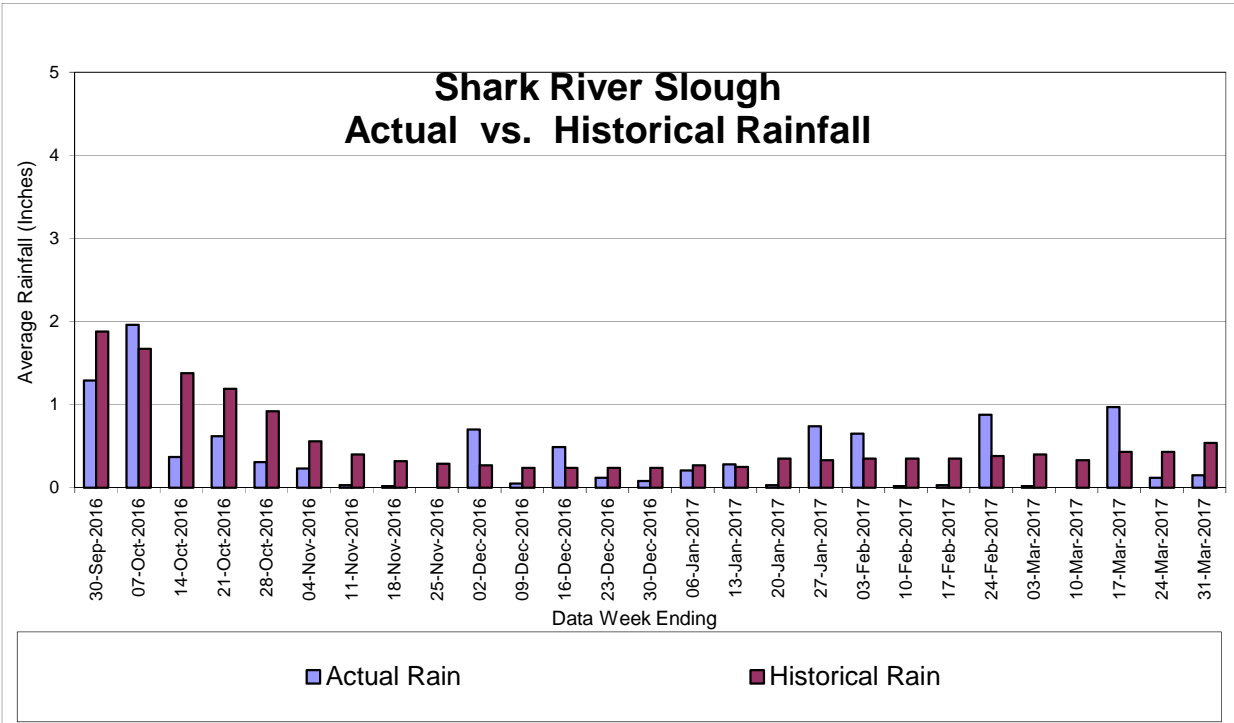
-----Statistical Parameters -----

Rainfall Formula Amount	-153 cfs
Last Week's Rainfall Formula	-140 cfs
Pre-project Mean Discharge	31 cfs

Rainfall Excess Terms	RL1 -0.64	RL2 -0.44	RL3 -0.33
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**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 April 11, 2017 to April 17, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	April 1, 2017	to	April 7, 2017
WCA-3A Stage (end of week)	8.95		ft. msl
Angel's	4.11		ft. msl
G-3273	4.32		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.32	1.74
S-140		1.40
ENP		M
-----		
This Week's Avg	0.32	1.57
Pre-Project Avg	0.59	1.47

-----Transition Zone Information -----

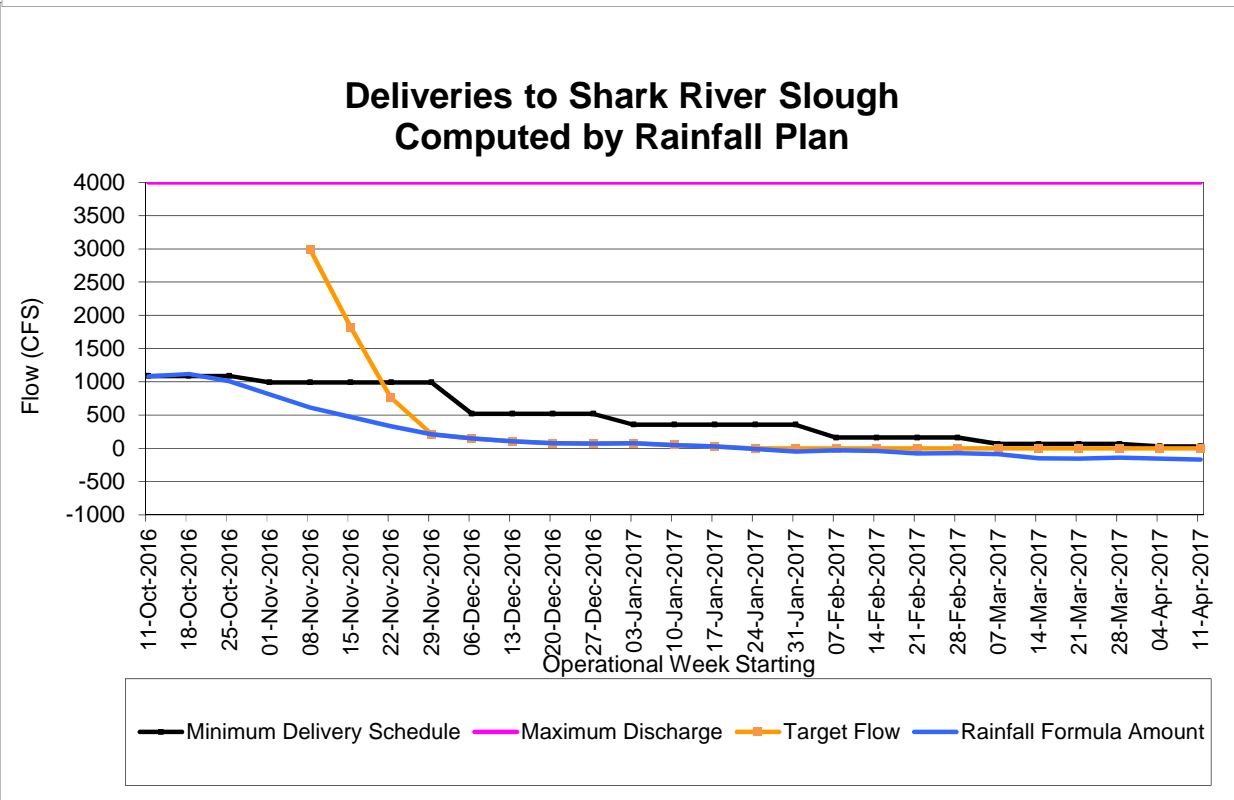
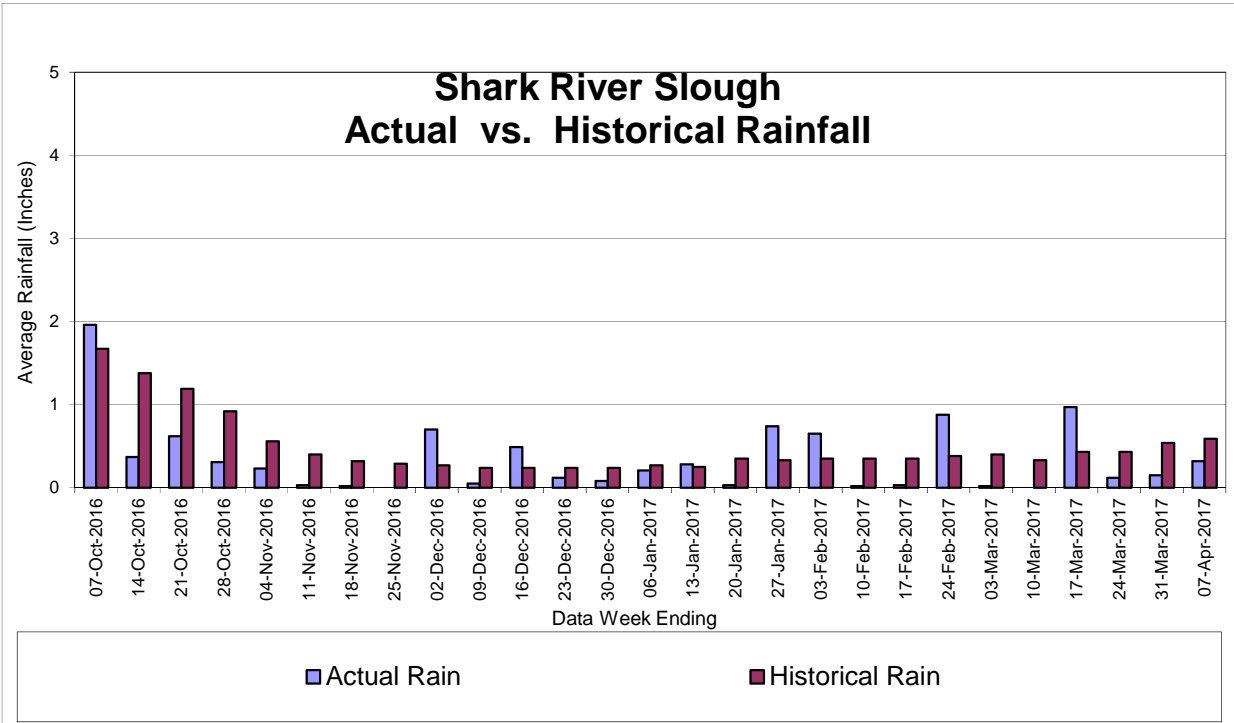
<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.44 feet

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

Rainfall Formula Amount	-167 cfs
Last Week's Rainfall Formula	-153 cfs
Pre-project Mean Discharge	32 cfs
Rainfall Excess Terms	
RL1 -0.62	RL2 -1.20
	RL3 0.07

**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 April 18, 2017 to April 24, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	April 8, 2017	to	April 14, 2017
WCA-3A Stage (end of week)	8.83		ft. msl
Angel's	4.00		ft. msl
G-3273	4.19		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.23	1.71
S-140		1.79
ENP		M
-----		
This Week's Avg	0.23	1.75
Pre-Project Avg	0.60	1.51

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.51 feet

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

Rainfall Formula Amount -197 cfs

Last Week's Rainfall Formula -167 cfs

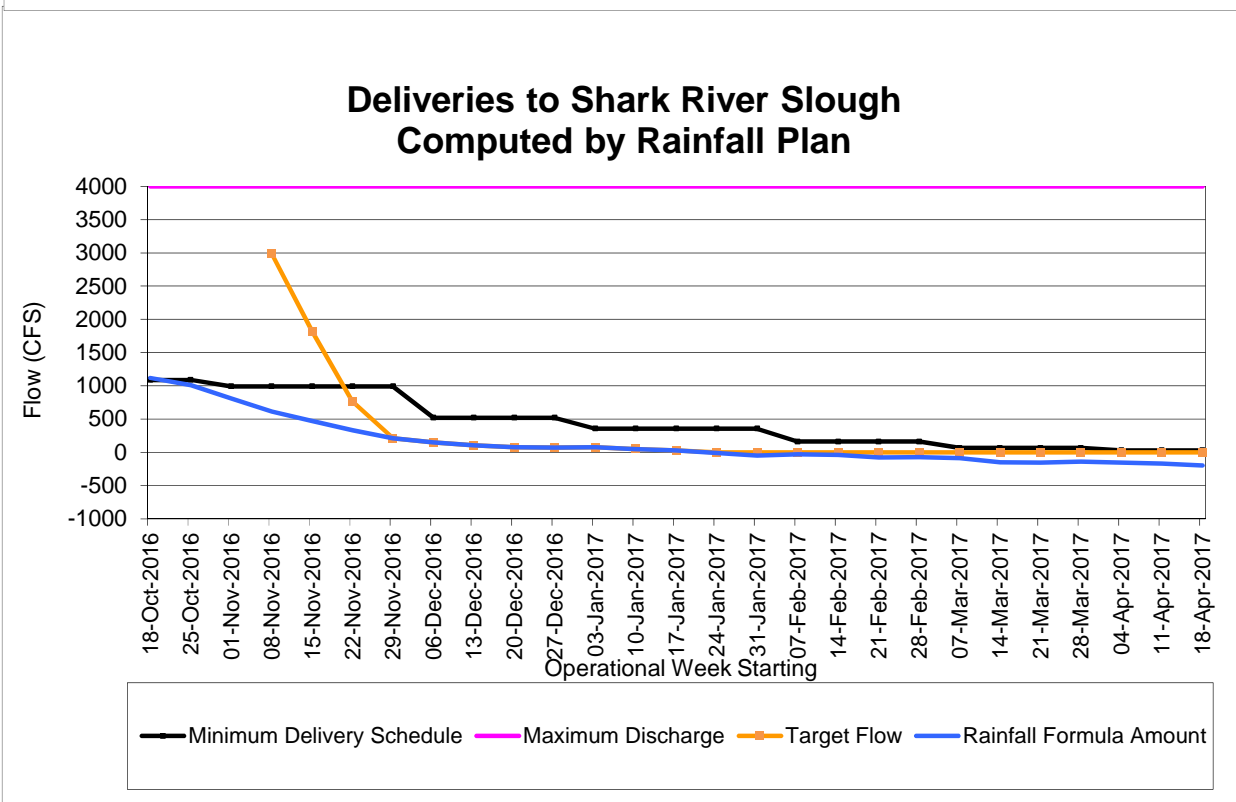
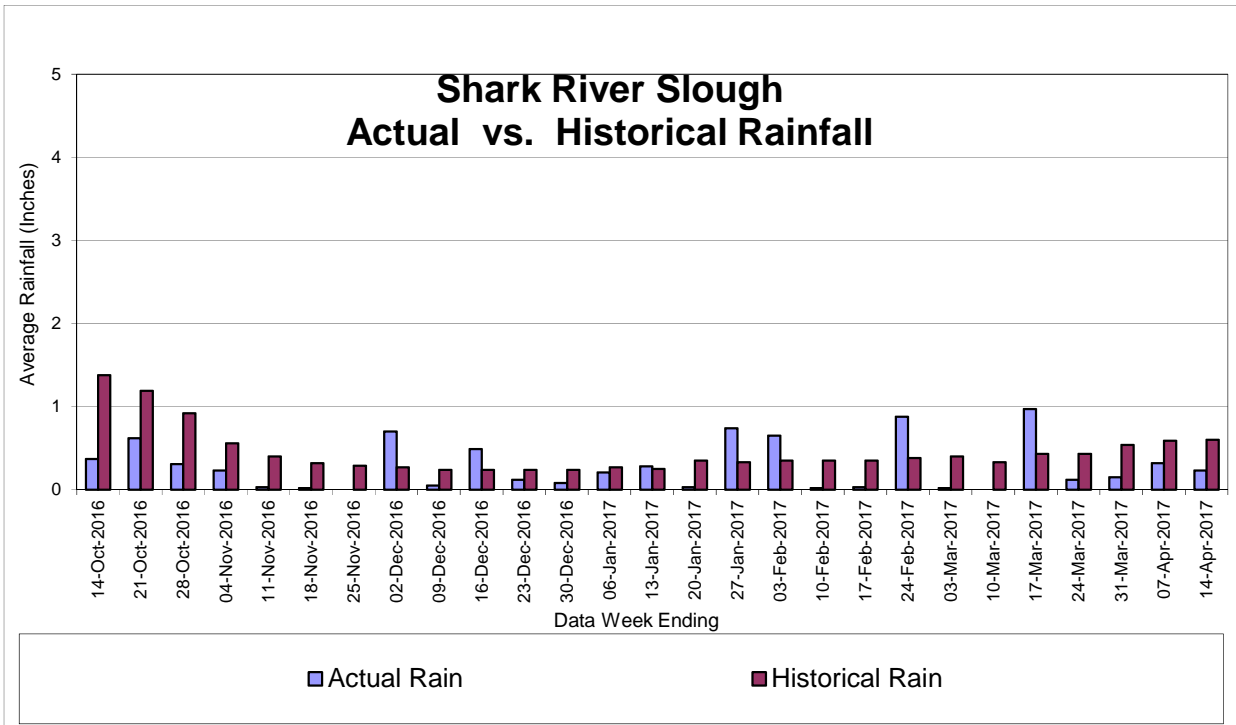
Pre-project Mean Discharge 31 cfs

Rainfall Excess Terms

RL1 -0.91	RL2 -0.89	RL3 -0.78
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**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 April 25, 2017 to May 1, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	April 15, 2017	to	April 21, 2017
WCA-3A Stage (end of week)	8.72		ft. msl
Angel's	3.73		ft. msl
G-3273	3.85		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.08	1.49
S-140		1.58
ENP		M
-----		
This Week's Avg	0.08	1.53
Pre-Project Avg	0.69	1.54

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.58 feet

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

Rainfall Formula Amount -239 cfs

Last Week's Rainfall Formula -197 cfs

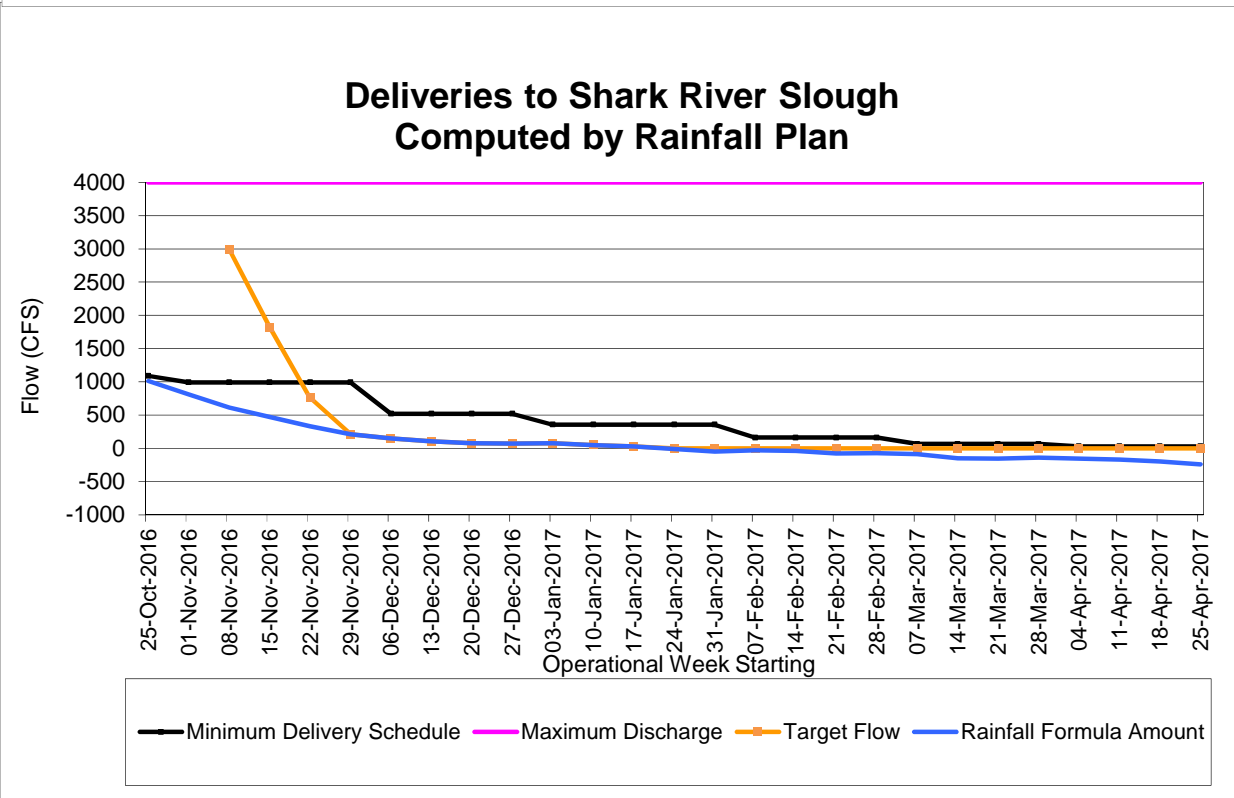
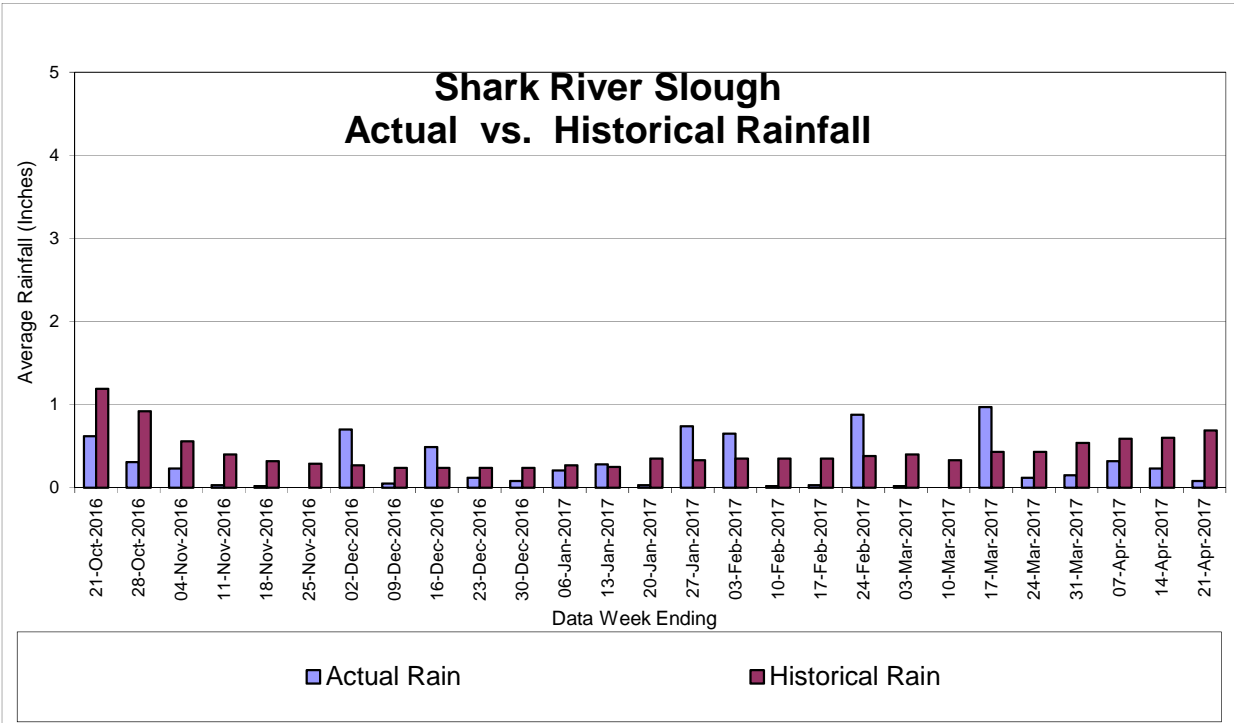
Pre-project Mean Discharge 29 cfs

Rainfall Excess Terms

RL1 -1.17	RL2 -0.69	RL3 -1.00
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**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 May 2, 2017

to May 8, 2017

0 cfs

S-12 Discharge  
S-333 Discharge

0 cfs  
0 cfs

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

	April 22, 2017	to	April 28, 2017	
WCA-3A Stage (end of week)	8.85		ft. msl	
Angel's	4.76		ft. msl	
G-3273	4.93		ft. msl	

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.89	0.98
S-140		1.77
ENP		M
-----		
This Week's Avg	1.89	1.38
Pre-Project Avg	0.80	1.58

-----Transition Zone Information -----

<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.40 feet

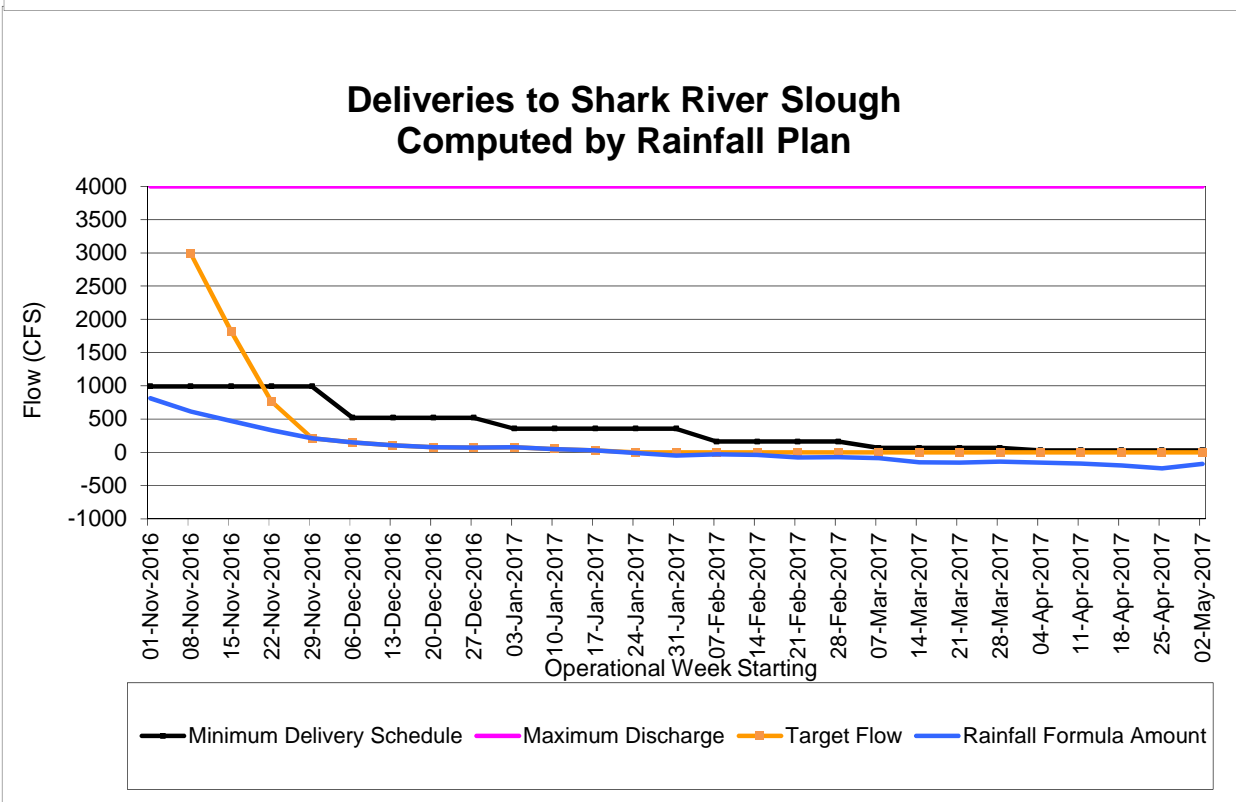
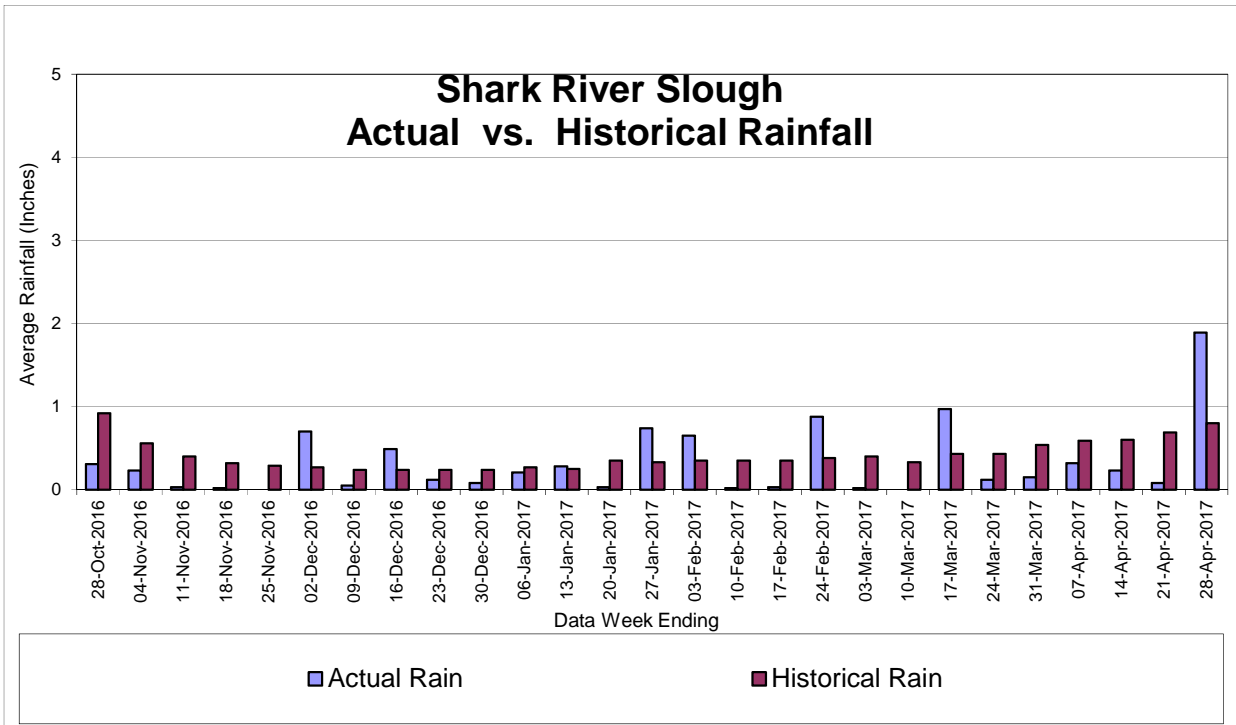
-----Statistical Parameters -----

Rainfall Formula Amount	-173 cfs
Last Week's Rainfall Formula	-239 cfs
Pre-project Mean Discharge	24 cfs

Rainfall Excess Terms	RL1 0.65	RL2 -1.56	RL3 -0.44
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**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 May 9, 2017

to May 15, 2017

0 cfs

S-12 Discharge  
S-333 Discharge

0 cfs  
0 cfs

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

	April 29, 2017	to	May 5, 2017	
WCA-3A Stage (end of week)	8.84		ft. msl	
Angel's	4.79		ft. msl	
G-3273	5.36		ft. msl	

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.87	1.33
S-140		2.05
ENP		M
-----		
This Week's Avg	1.87	1.69
Pre-Project Avg	0.92	1.60

-----Transition Zone Information -----

<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.37 feet

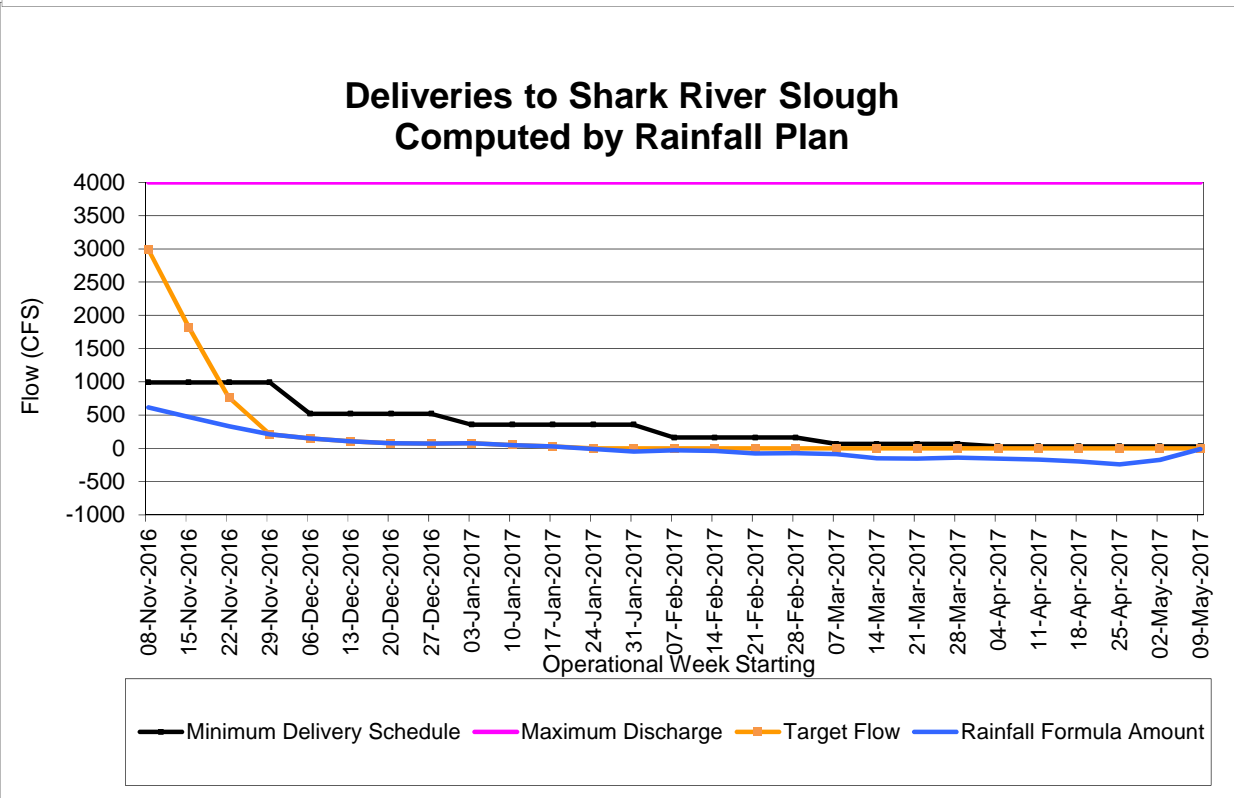
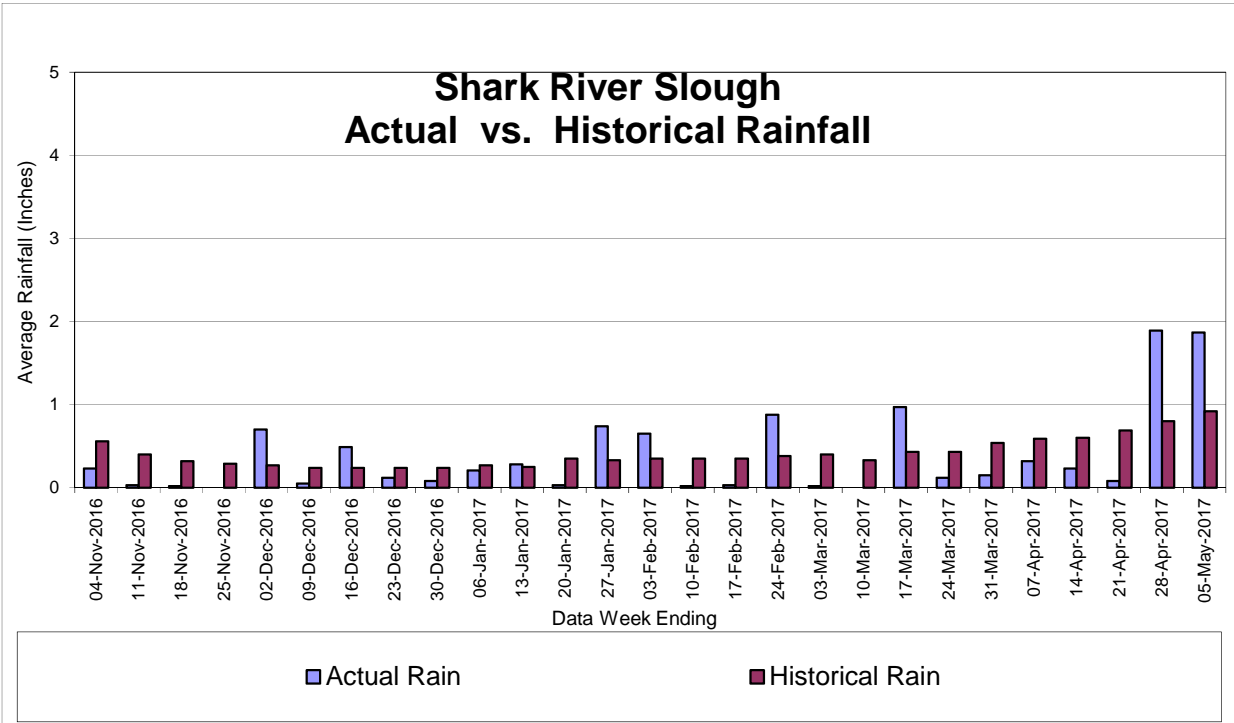
-----Statistical Parameters -----

Rainfall Formula Amount	-12 cfs
Last Week's Rainfall Formula	-173 cfs
Pre-project Mean Discharge	16 cfs

Rainfall Excess Terms	RL1 2.13	RL2 -1.79	RL3 -1.20
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**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 May 16, 2017 to May 22, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	May 6, 2017	to	May 12, 2017	
WCA-3A Stage (end of week)	8.69		ft. msl	
Angel's	4.19		ft. msl	
G-3273	4.54		ft. msl	

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	1.77
S-140		2.18
ENP		M
-----		
This Week's Avg	0.00	1.98
Pre-Project Avg	1.08	1.61

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.47 feet

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

Rainfall Formula Amount -38 cfs

Last Week's Rainfall Formula -12 cfs

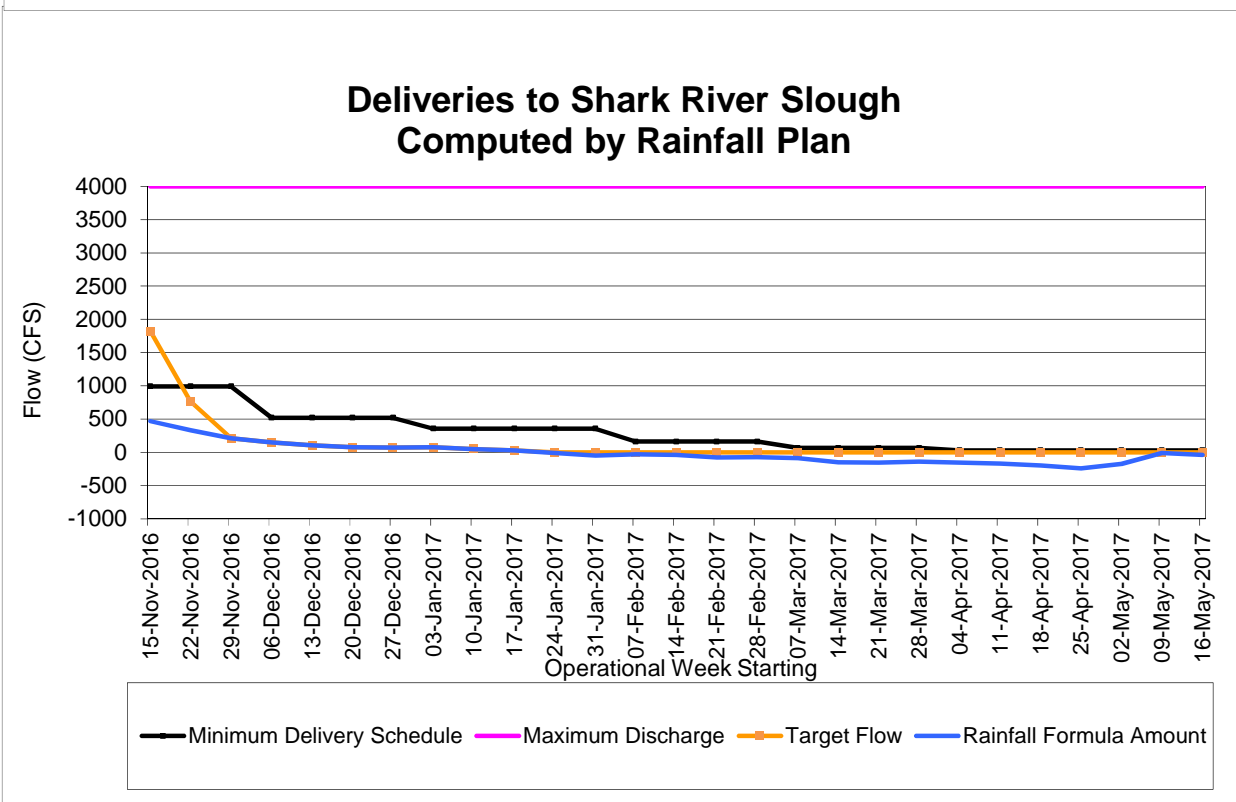
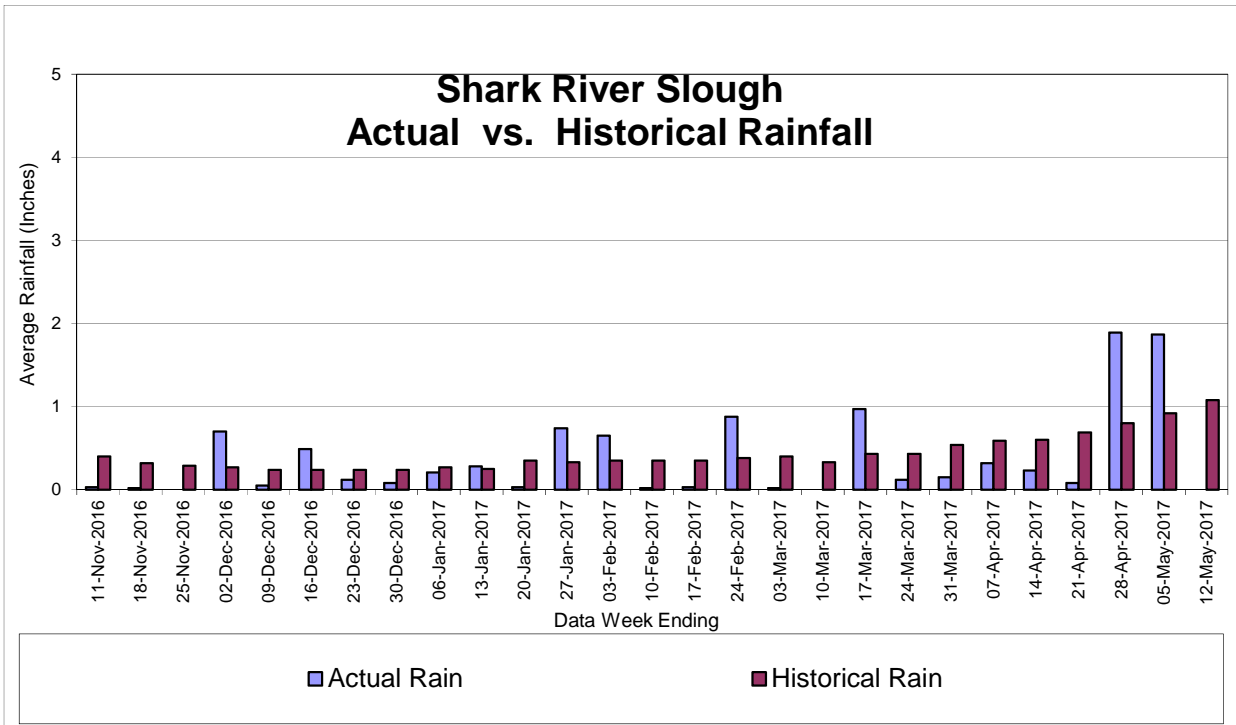
Pre-project Mean Discharge 13 cfs

Rainfall Excess Terms

RL1 -0.49	RL2 -0.26	RL3 -0.89
-----------	-----------	-----------

**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 **May 23, 2017** to **May 29, 2017** **0 cfs**

S-12 Discharge	<b>0 cfs</b>
S-333 Discharge	<b>0 cfs</b>

<b>----Data Summary ----</b>	<b>May 13, 2017</b>	to	<b>May 19, 2017</b>
WCA-3A Stage (end of week)	<b>8.60</b>		ft. msl
Angel's	<b>3.75</b>		ft. msl
G-3273	<b>3.97</b>		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>						
NEXRAD Rain for WCA-3A and S7 evaporation	<b>0.34</b>	<b>2.00</b>						
S-140		<b>2.01</b>						
ENP		<b>M</b>						
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border-top: 1px solid black;">This Week's Avg</td> <td style="text-align: center; border-top: 1px solid black;"><b>0.34</b></td> <td style="text-align: center; border-top: 1px solid black;"><b>2.00</b></td> </tr> <tr> <td style="border-top: 1px solid black;">Pre-Project Avg</td> <td style="text-align: center; border-top: 1px solid black;"><b>1.21</b></td> <td style="text-align: center; border-top: 1px solid black;"><b>1.62</b></td> </tr> </table>			This Week's Avg	<b>0.34</b>	<b>2.00</b>	Pre-Project Avg	<b>1.21</b>	<b>1.62</b>
This Week's Avg	<b>0.34</b>	<b>2.00</b>						
Pre-Project Avg	<b>1.21</b>	<b>1.62</b>						

----Transition Zone Information ----

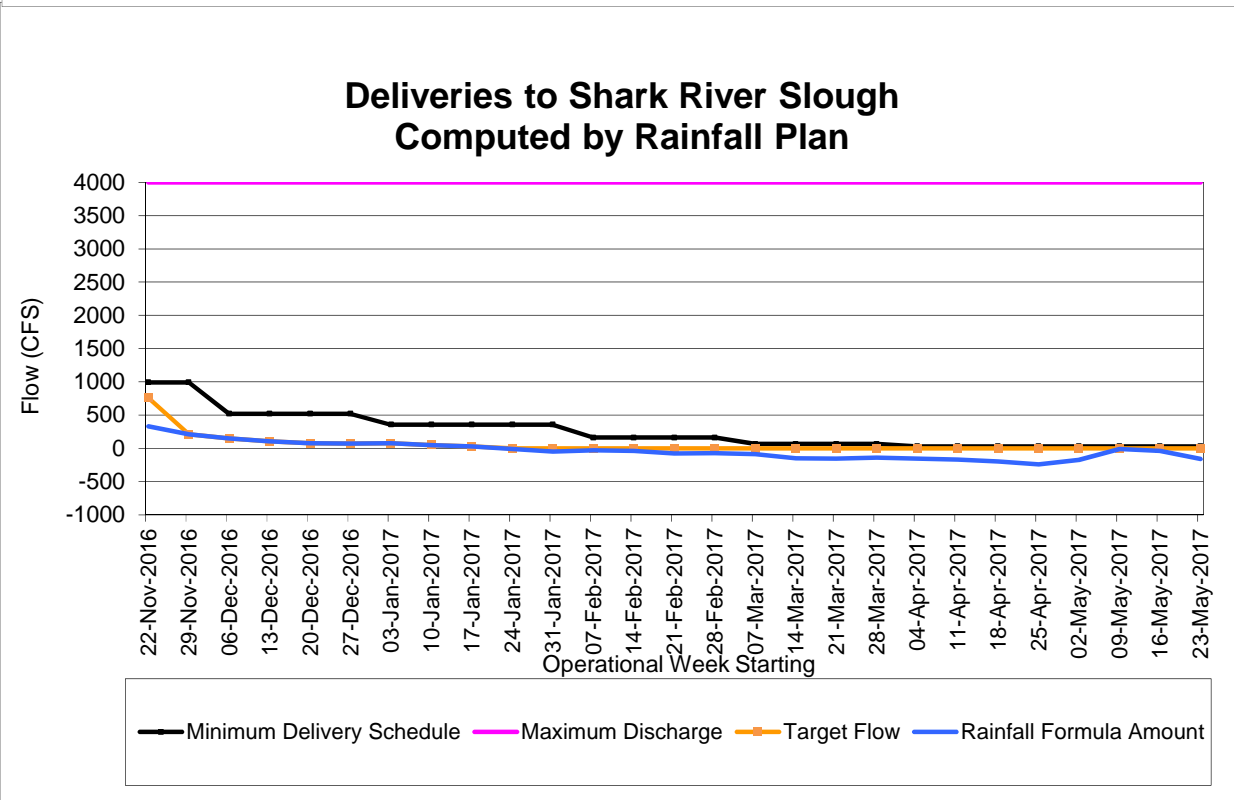
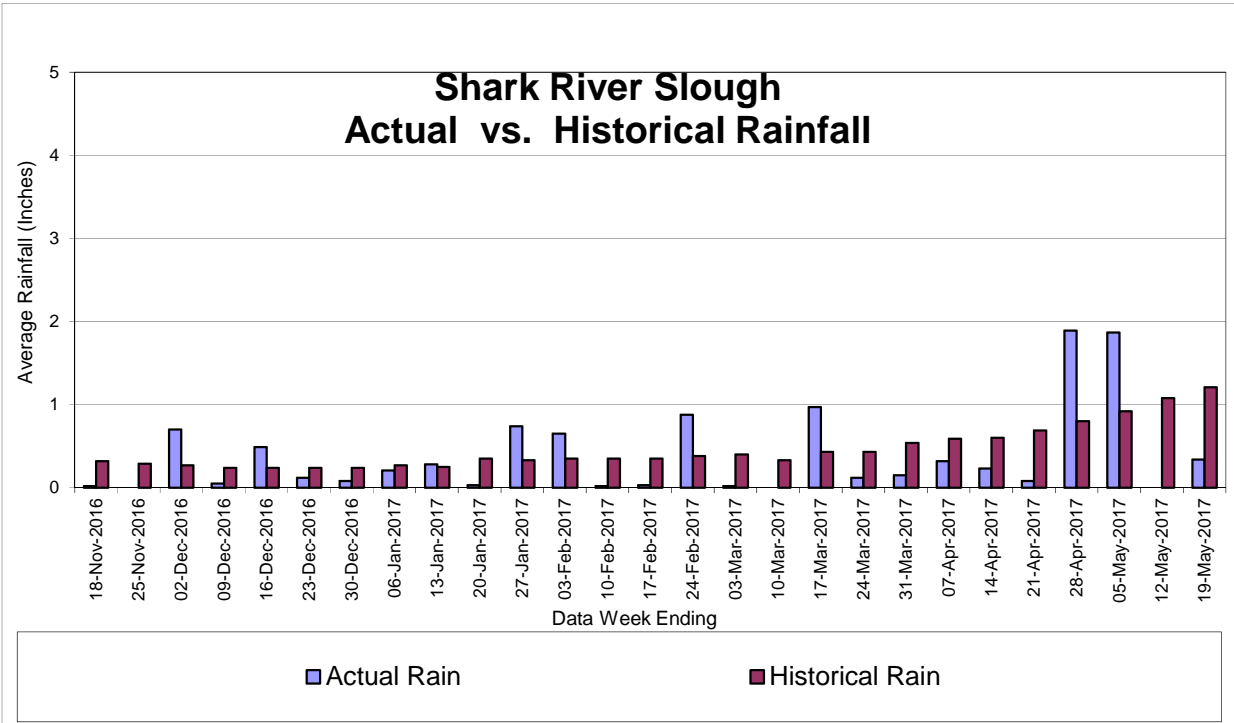
WCA-3A is in Zone <b>E</b>	Discharge Coeff. (cfs/ft) = <b>2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	<b>0.52</b> feet

----Statistical Parameters ----

Rainfall Formula Amount	<b>-159</b> cfs	
Last Week's Rainfall Formula	<b>-38</b> cfs	
Pre-project Mean Discharge	<b>12</b> cfs	
Rainfall Excess Terms		
RL1 <b>-2.55</b>	RL2 <b>0.96</b>	RL3 <b>-0.69</b>

**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 May 30, 2017 to June 5, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	May 20, 2017	to	May 26, 2017	
WCA-3A Stage (end of week)	8.64		ft. msl	
Angel's	3.64		ft. msl	
G-3273	3.99		ft. msl	

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.67	2.08
S-140		1.94
ENP		M
-----		
This Week's Avg	1.67	2.01
Pre-Project Avg	1.43	1.61

-----Transition Zone Information -----

**WCA-3A is in Zone E** **Discharge Coeff. (cfs/ft) = 2500**

Supplemental discharge is 0 cfs

Distance to Bottom of Current Zone N/A feet

Distance to Top of Current Zone 0.44 feet

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

Rainfall Formula Amount -201 cfs

Last Week's Rainfall Formula -159 cfs

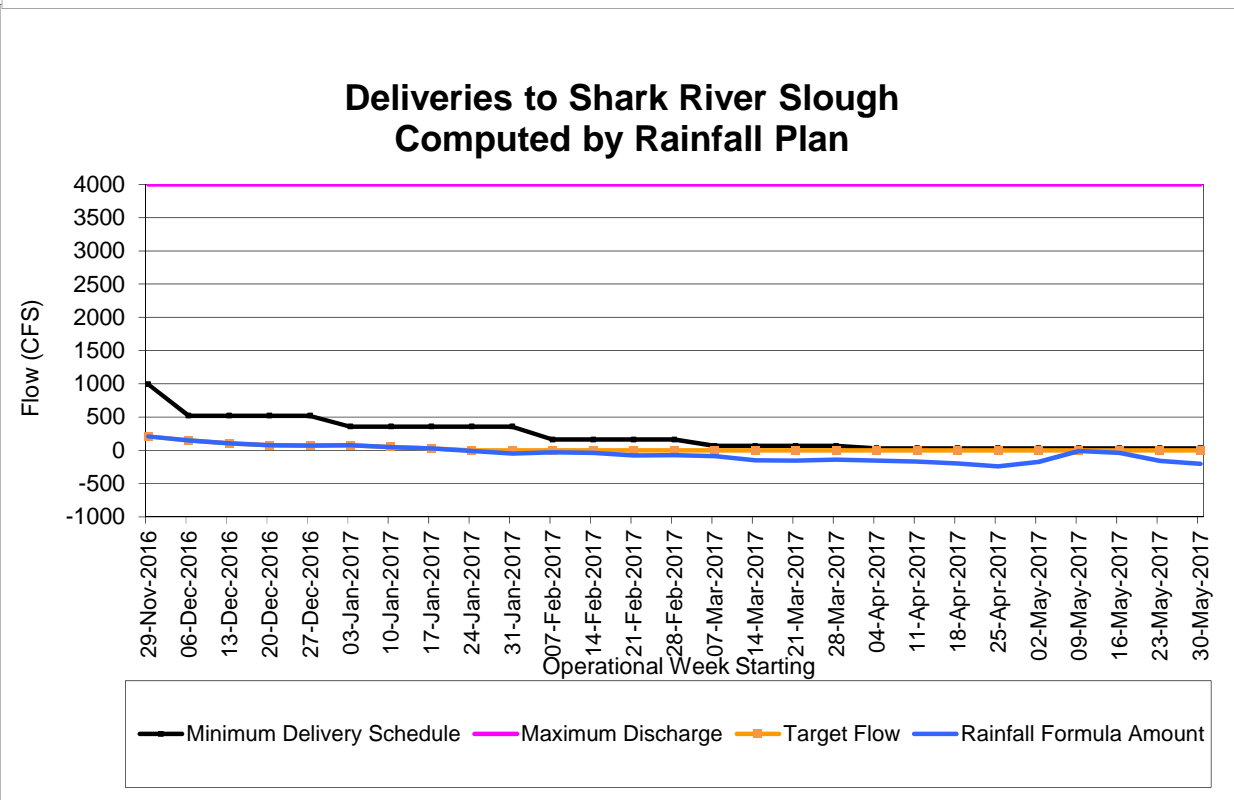
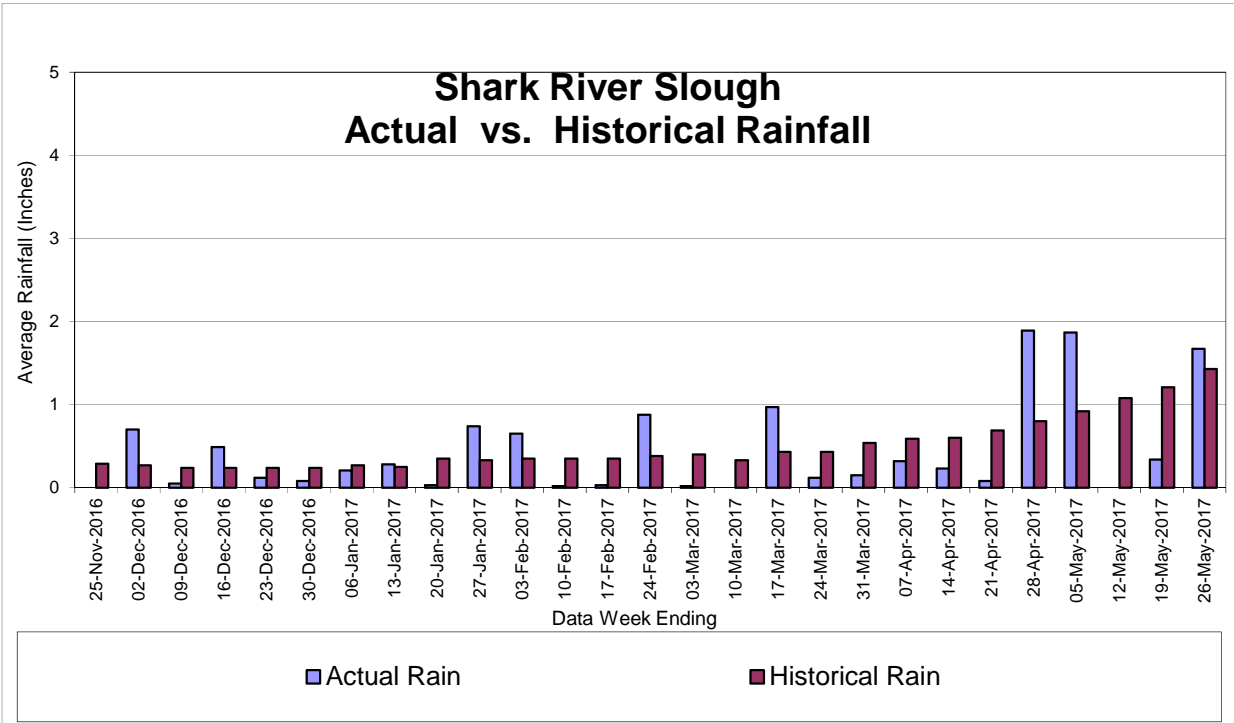
Pre-project Mean Discharge 17 cfs

Rainfall Excess Terms

RL1 -1.26	RL2 0.15	RL3 -1.56
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**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 June 6, 2017 to June 12, 2017 0 cfs

S-12 Discharge 0 cfs  
 S-333 Discharge 0 cfs

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

	May 27, 2017	to	June 2, 2017	
WCA-3A Stage (end of week)	8.58		ft. msl	
Angel's	3.64		ft. msl	
G-3273	3.80		ft. msl	

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.29	1.98
S-140		1.72
ENP		M
-----		
This Week's Avg	1.29	1.85
Pre-Project Avg	1.57	1.61

-----Transition Zone Information -----

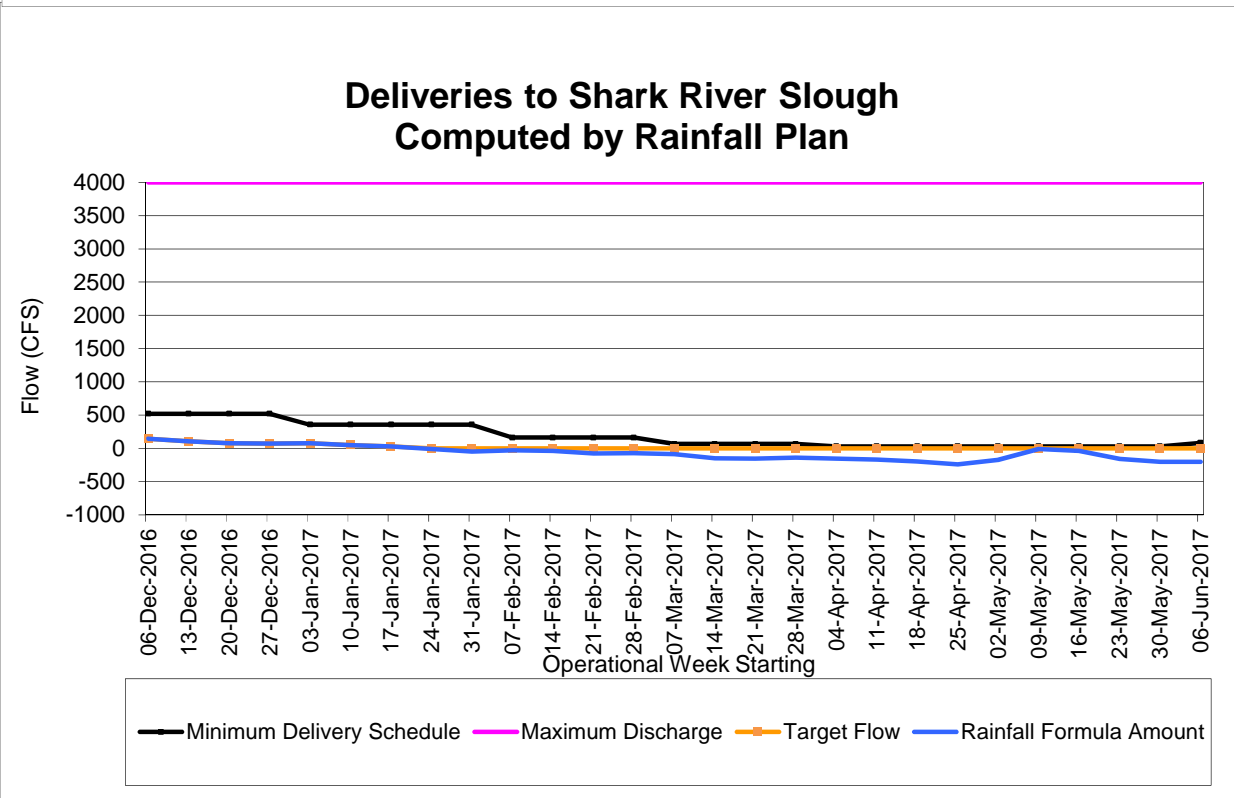
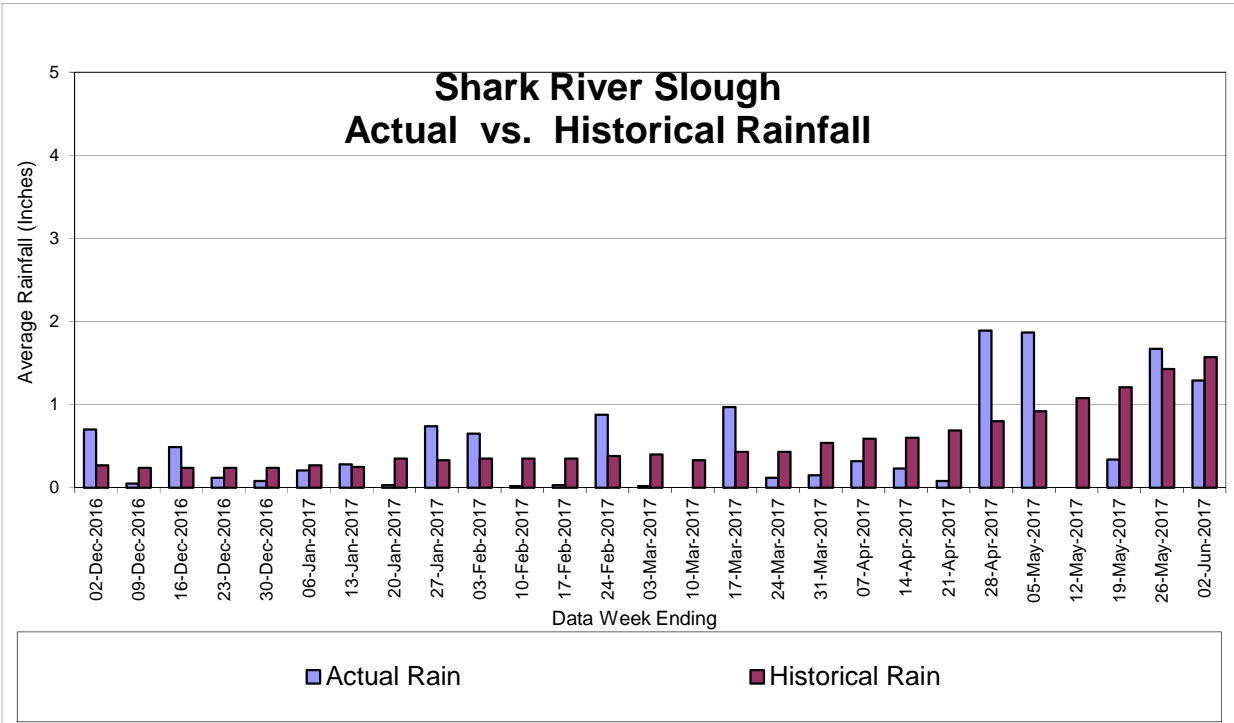
<b>WCA-3A is in Zone E</b>	<b>Discharge Coeff. (cfs/ft) = 2500</b>
Supplemental discharge is	0 cfs
Distance to Bottom of Current Zone	N/A feet
Distance to Top of Current Zone	0.45 feet

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

Rainfall Formula Amount	-200 cfs
Last Week's Rainfall Formula	-201 cfs
Pre-project Mean Discharge	27 cfs
Rainfall Excess Terms	
RL1 -0.55	RL2 -0.42
	RL3 -1.79

**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

	<b>Target Flow June 13, 2017</b>	<b>to June 19, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**-----Data Summary -----**

	<b>June 3, 2017</b>	<b>to June 9, 2017</b>	
WCA-3A Stage (end of week)	10.09		ft. msl
Angel's	6.24		ft. msl
G-3273	6.29		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	14.44	1.40
S-140		1.68
ENP		M
-----		
This Week's Avg	14.44	1.54
Pre-Project Avg	1.67	1.59

**-----Transition Zone Information -----**

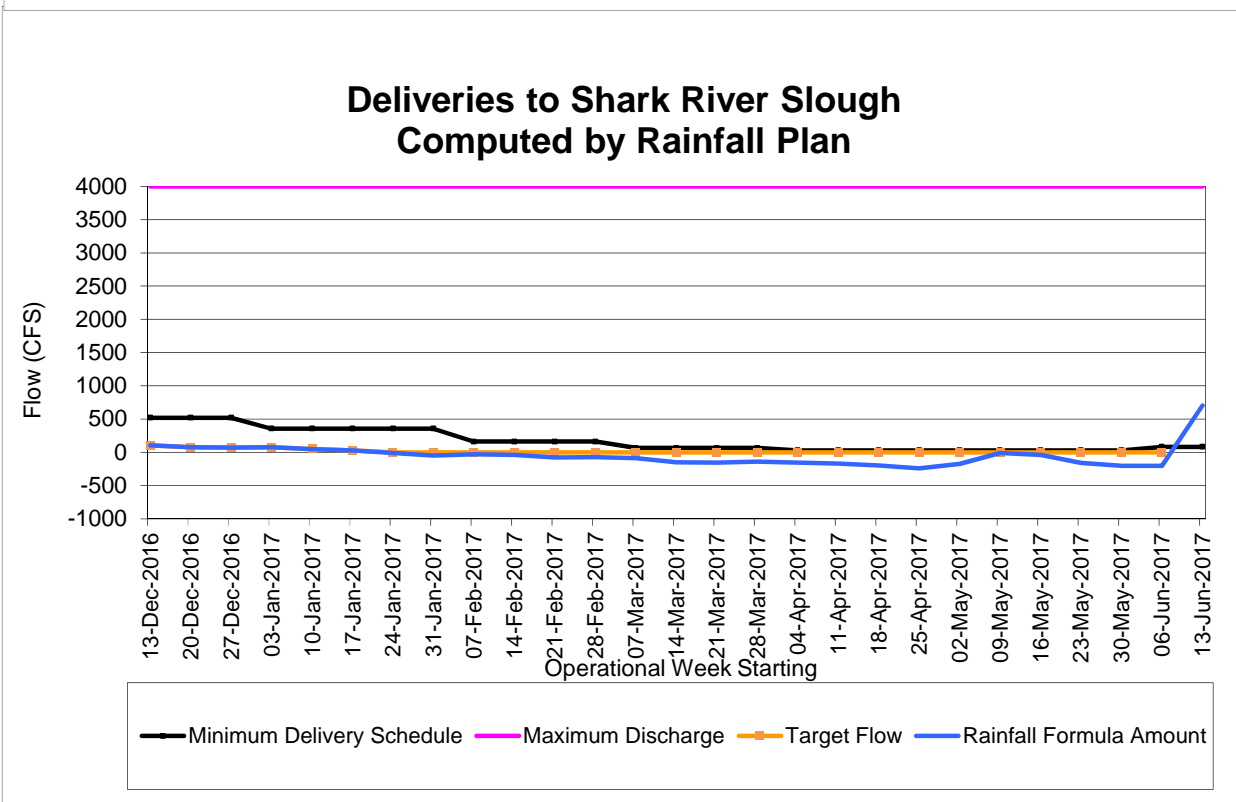
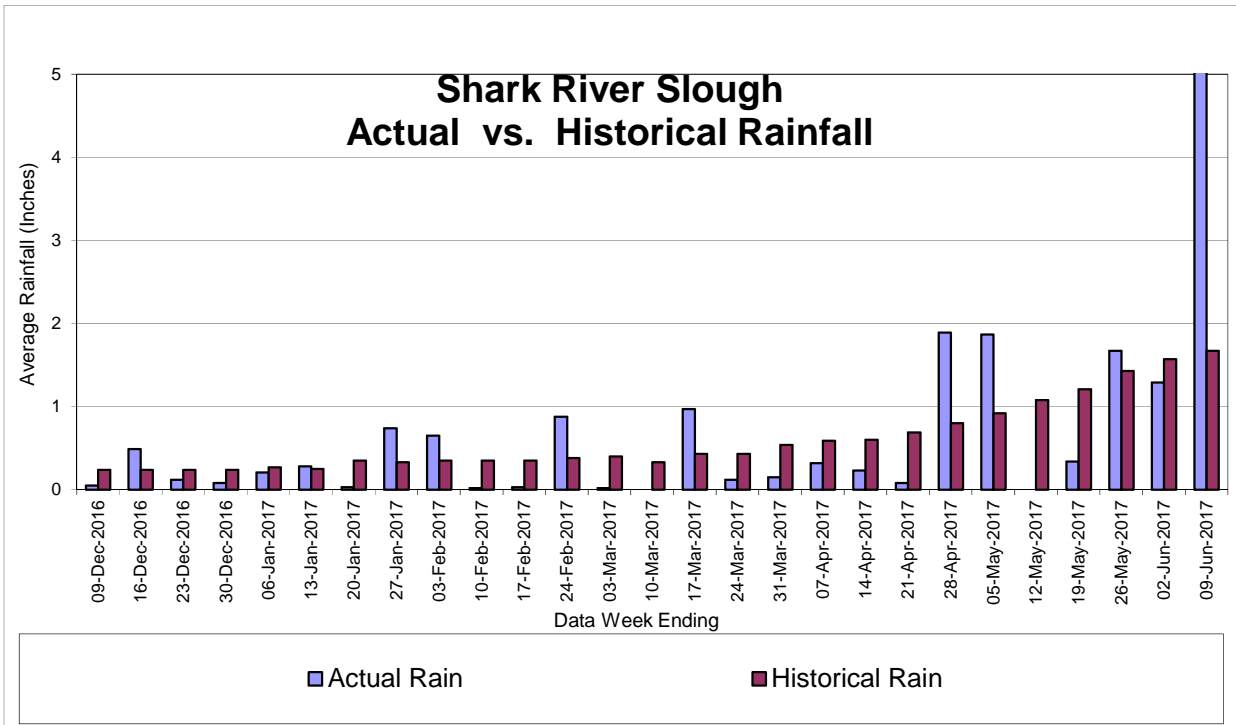
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-0.53 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	704 cfs
Last Week's Rainfall Formula	-200 cfs
Pre-project Mean Discharge	40 cfs
Rainfall Excess Terms	
RL1 12.34	RL2 -1.75
	RL3 -0.26

**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

	<b>Target Flow June 20, 2017</b>	<b>to</b>	<b>June 26, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>June 10, 2017</b>	<b>to</b>	<b>June 16, 2017</b>
WCA-3A Stage (end of week)	10.58		ft. msl
Angel's	6.75		ft. msl
G-3273	6.57		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.16	1.46
S-140		1.23
ENP		M
-----		
This Week's Avg	1.16	1.35
Pre-Project Avg	1.83	1.55

**-----Transition Zone Information -----**

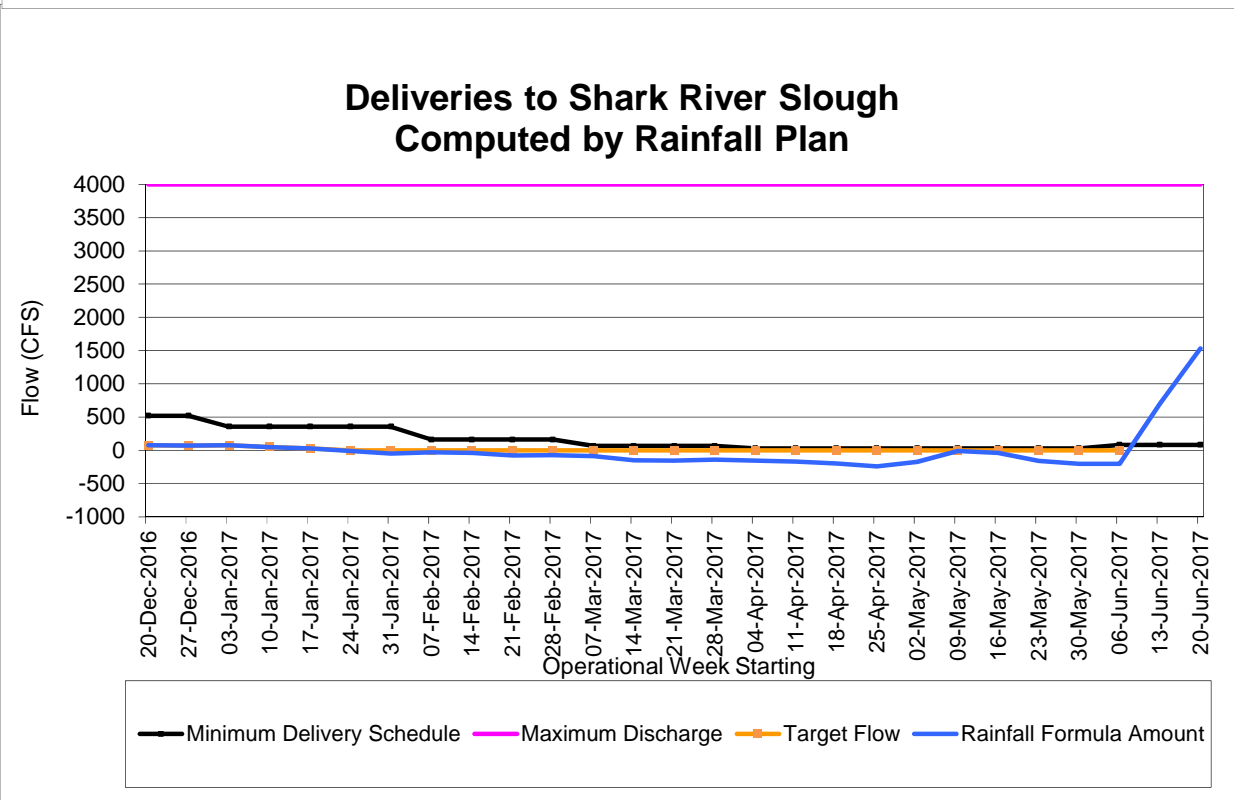
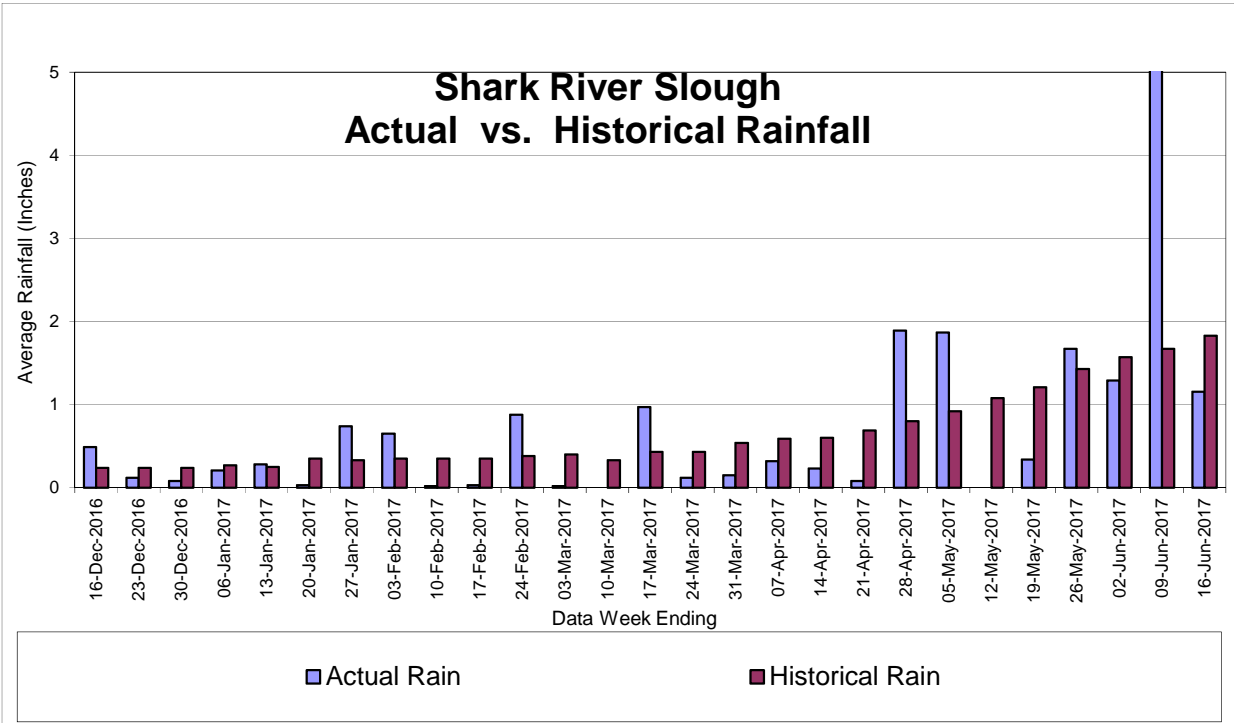
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-0.98 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1534 cfs
Last Week's Rainfall Formula	704 cfs
Pre-project Mean Discharge	54 cfs
Rainfall Excess Terms	
RL1 12.30	RL2 -3.10
	RL3 0.96

**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

	<b>Target Flow June 27, 2017</b>	<b>to July 3, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**-----Data Summary -----**

	<b>June 17, 2017</b>	<b>to</b>	<b>June 23, 2017</b>	
WCA-3A Stage (end of week)	11.07		ft. msl	
Angel's	5.85		ft. msl	
G-3273	6.44		ft. msl	

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.27	1.40
S-140		1.63
ENP		M
-----		
This Week's Avg	1.27	1.52
Pre-Project Avg	1.98	1.51

**-----Transition Zone Information -----**

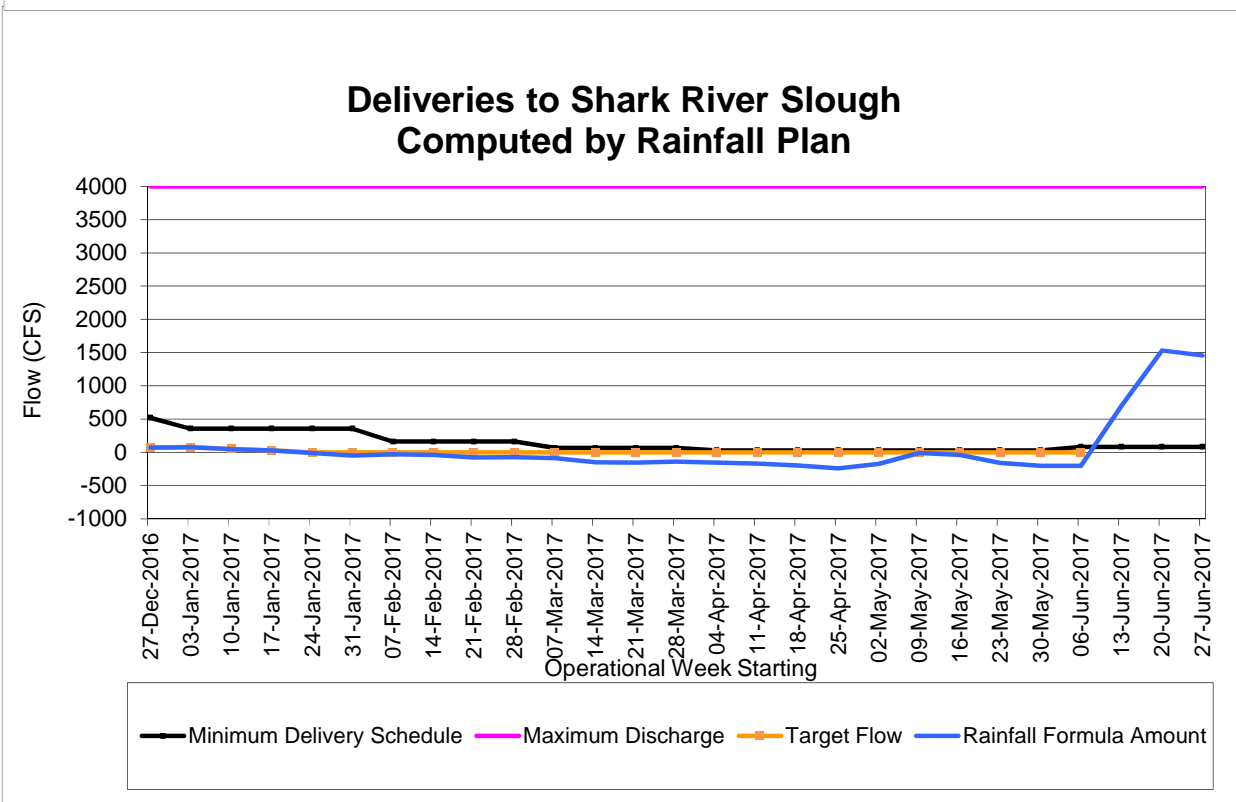
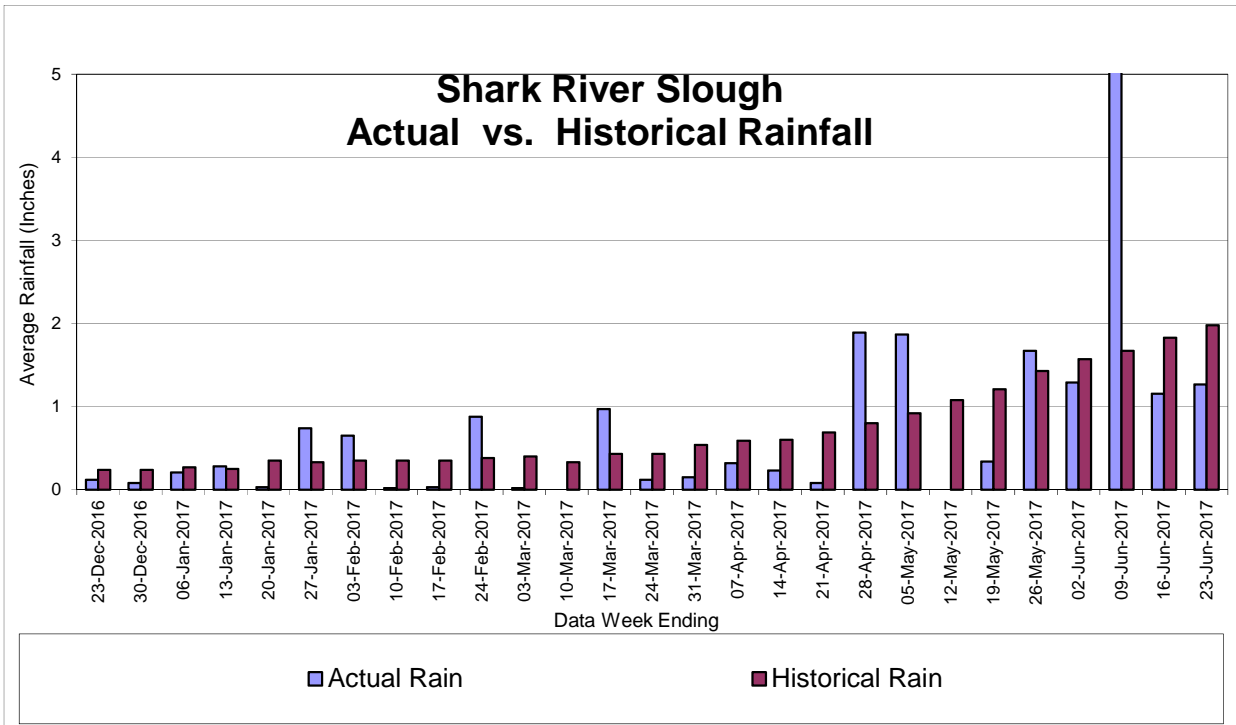
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.42 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1460 cfs
Last Week's Rainfall Formula	1534 cfs
Pre-project Mean Discharge	75 cfs
Rainfall Excess Terms	
RL1 -1.23	RL2 11.08
	RL3 0.15

**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

	<b>Target Flow July 4, 2017</b>	<b>to July 10, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**-----Data Summary -----**

	<b>June 24, 2017</b>	<b>to June 30, 2017</b>
WCA-3A Stage (end of week)	11.26	ft. msl
Angel's	6.01	ft. msl
G-3273	6.47	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.04	2.03
S-140		2.19
ENP		M
-----		
This Week's Avg	1.04	2.11
Pre-Project Avg	2.10	1.49

**-----Transition Zone Information -----**

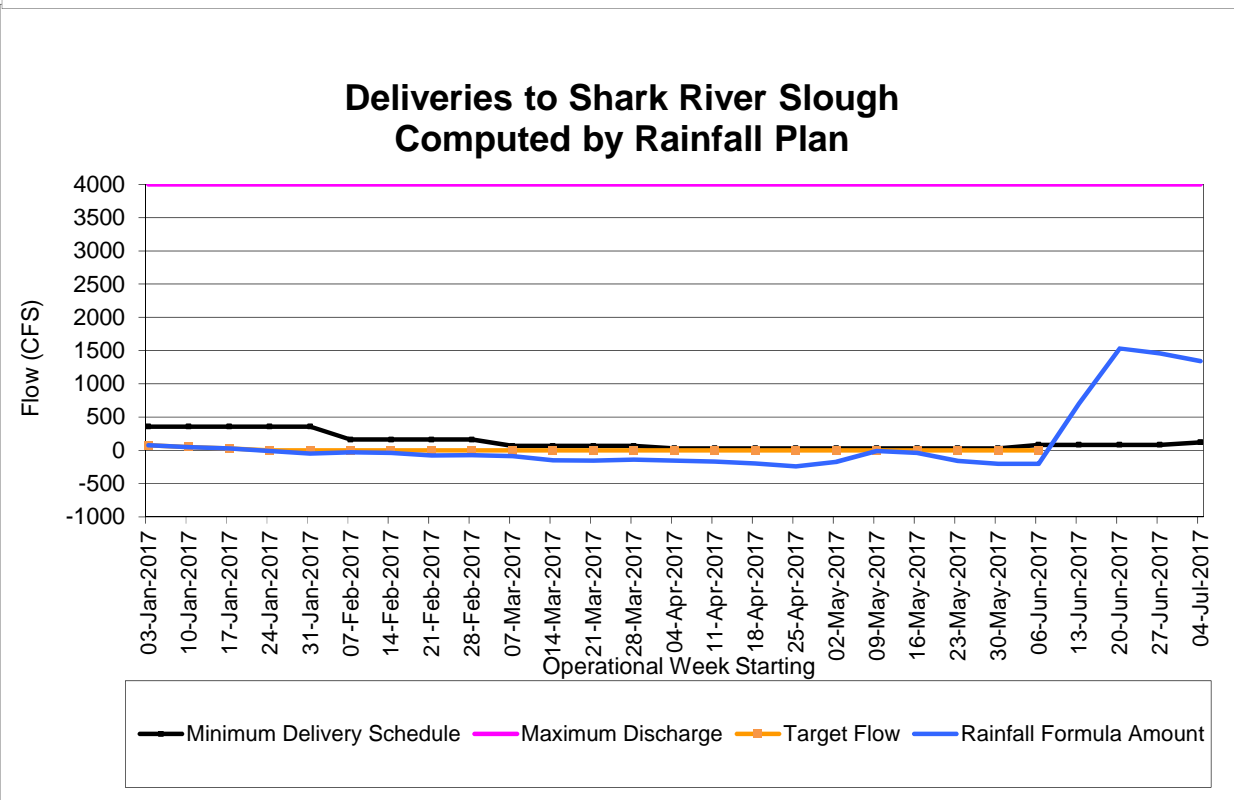
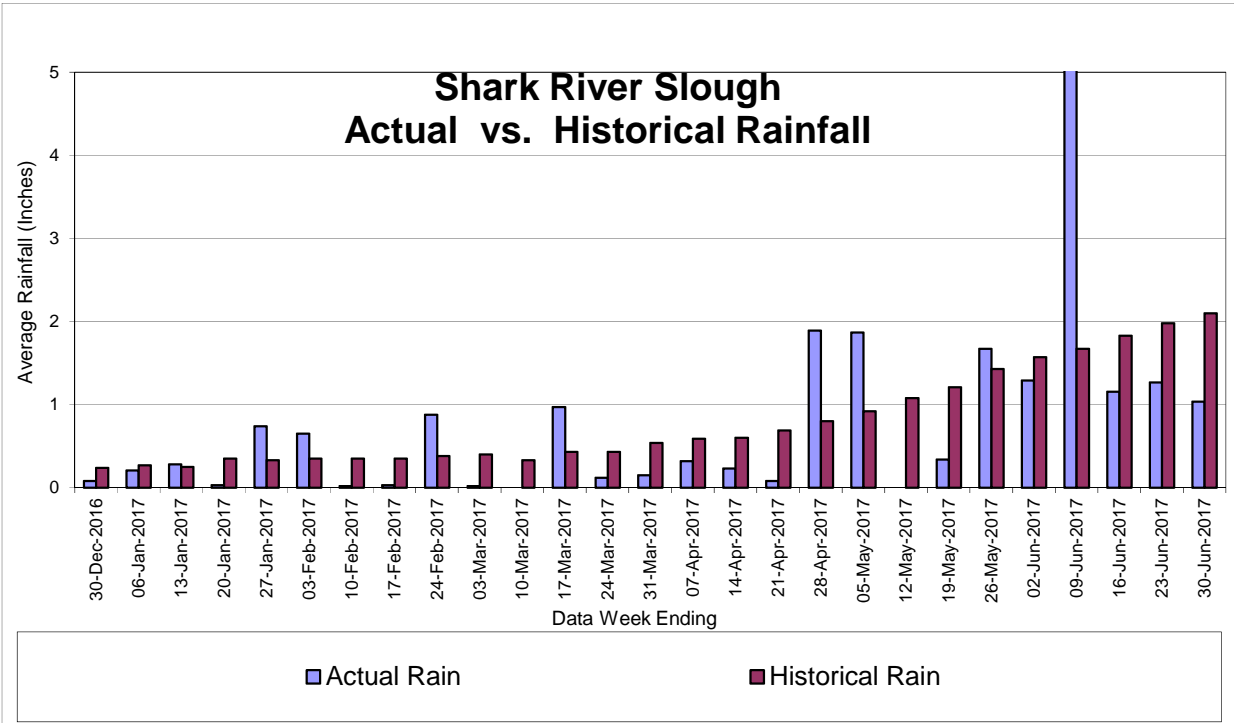
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.56 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1342 cfs
Last Week's Rainfall Formula	1460 cfs
Pre-project Mean Discharge	94 cfs
Rainfall Excess Terms	
RL1 -2.28	RL2 11.75
	RL3 -0.42

**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

	<b>Target Flow July 11, 2017</b>	<b>to July 17, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**----Data Summary ----**

	<b>July 1, 2017</b>	<b>to July 7, 2017</b>
WCA-3A Stage (end of week)	11.18	ft. msl
Angel's	5.42	ft. msl
G-3273	6.25	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.85	1.76
S-140		1.86
ENP		M
-----		
This Week's Avg	0.85	1.81
Pre-Project Avg	2.05	1.45

**----Transition Zone Information ----**

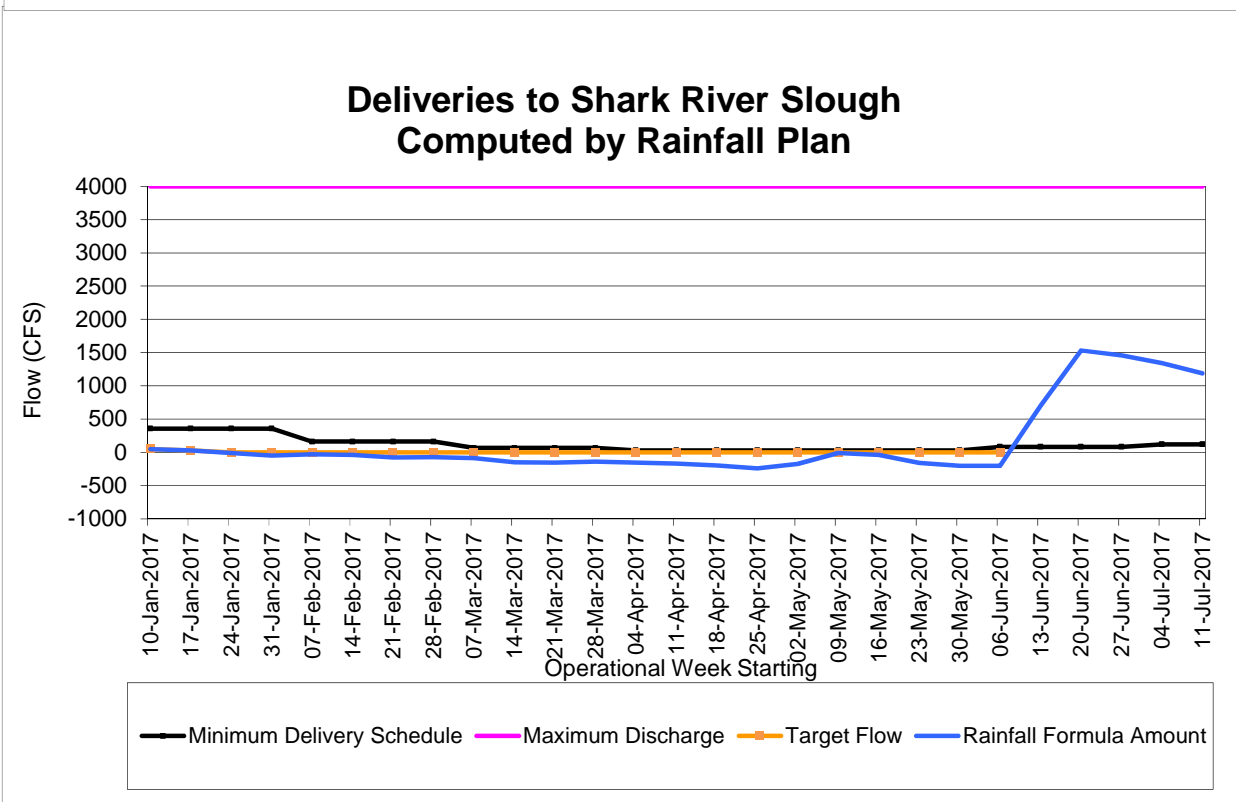
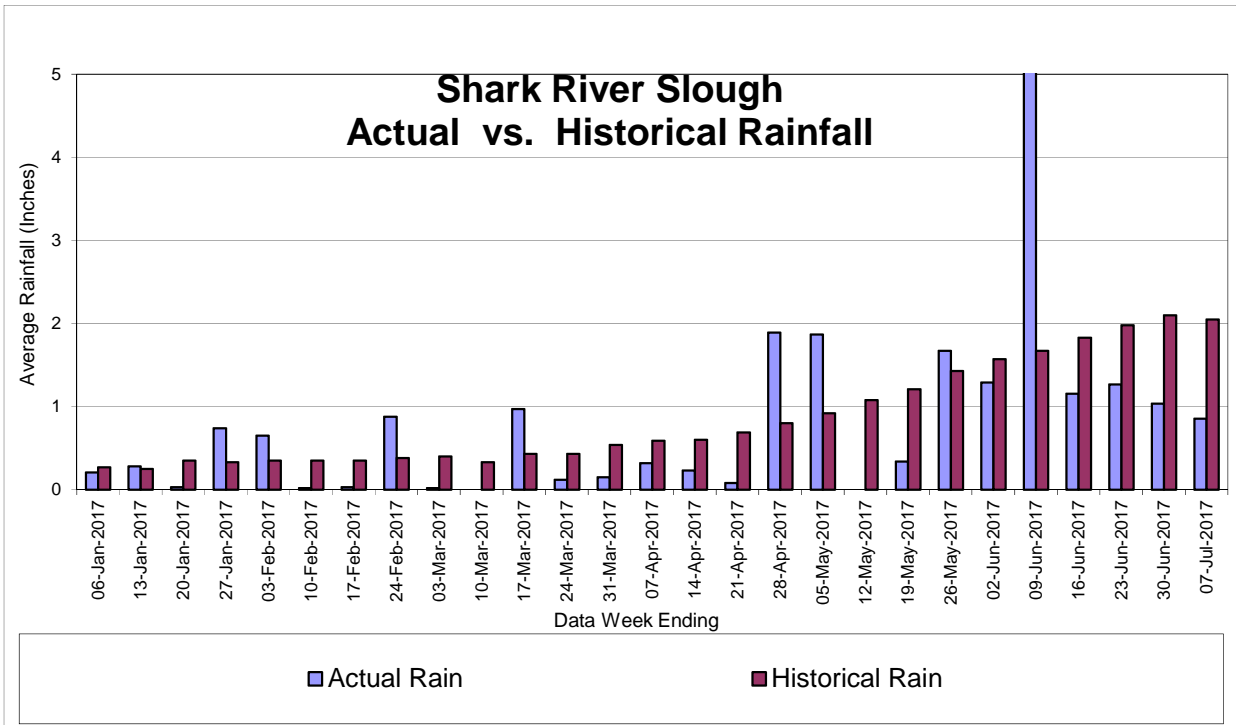
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.44 feet
Distance to Top of Current Zone	N/A	feet

**----Statistical Parameters ----**

Rainfall Formula Amount	1190 cfs
Last Week's Rainfall Formula	1342 cfs
Pre-project Mean Discharge	111 cfs
Rainfall Excess Terms	
RL1 -3.04	RL2 11.11
	RL3 -1.75

**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

	<b>Target Flow July 18, 2017</b>	<b>to July 24, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**-----Data Summary -----**

	<b>July 8, 2017</b>	<b>to July 14, 2017</b>
WCA-3A Stage (end of week)	11.18	ft. msl
Angel's	6.78	ft. msl
G-3273	6.80	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	4.32	1.58
S-140		3.79
ENP		M
-----		
This Week's Avg	4.32	2.68
Pre-Project Avg	1.93	1.45

**-----Transition Zone Information -----**

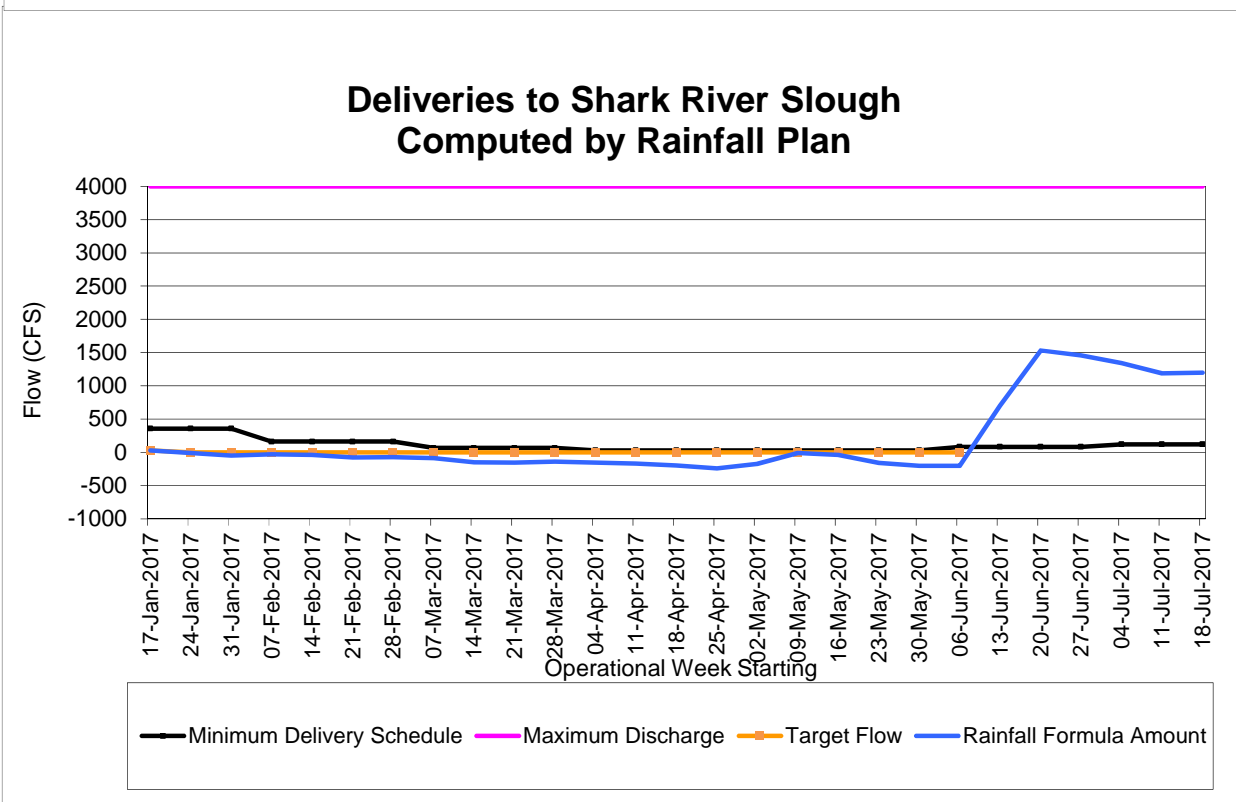
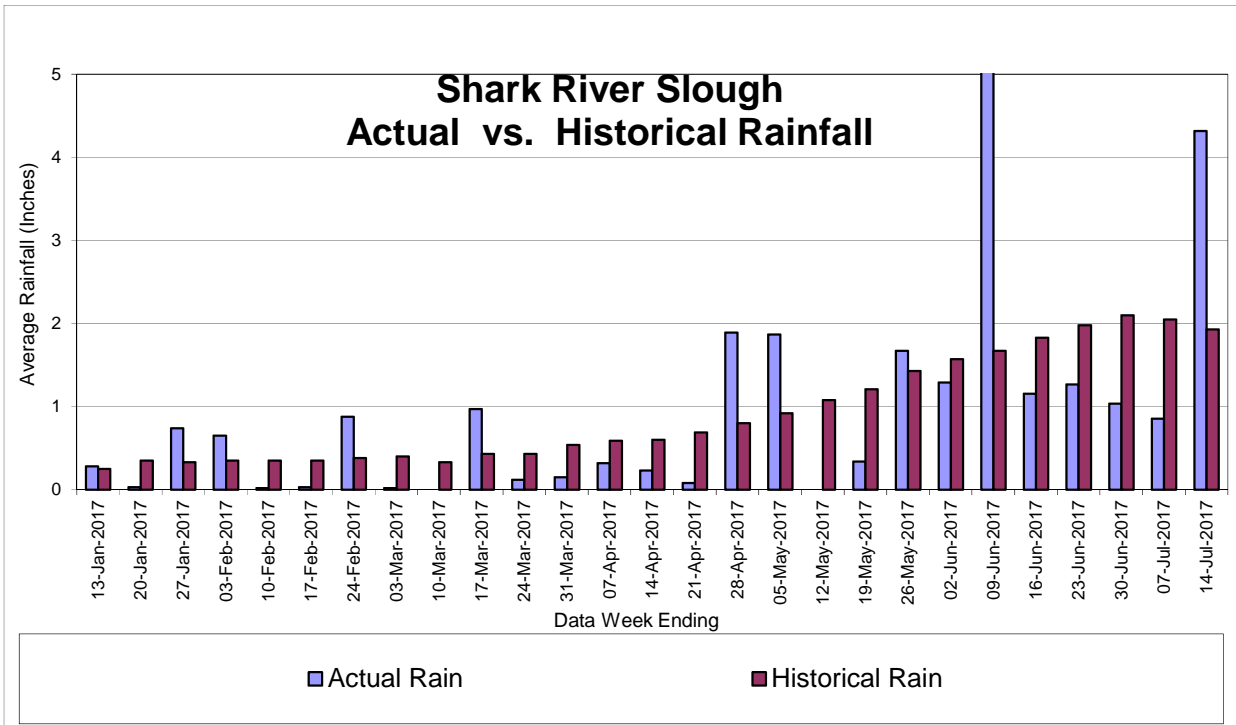
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.39 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1197 cfs
Last Week's Rainfall Formula	1190 cfs
Pre-project Mean Discharge	128 cfs
Rainfall Excess Terms	
RL1 -0.08	RL2 10.02
	RL3 -3.10

**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

	<b>Target Flow July 25, 2017</b>	<b>to July 31, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**----Data Summary ----**

	<b>July 15, 2017</b>	<b>to July 21, 2017</b>
WCA-3A Stage (end of week)	11.36	ft. msl
Angel's	6.66	ft. msl
G-3273	7.06	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.39	2.06
S-140		1.95
ENP		M
-----		
This Week's Avg	1.39	2.00
Pre-Project Avg	1.95	1.43

**----Transition Zone Information ----**

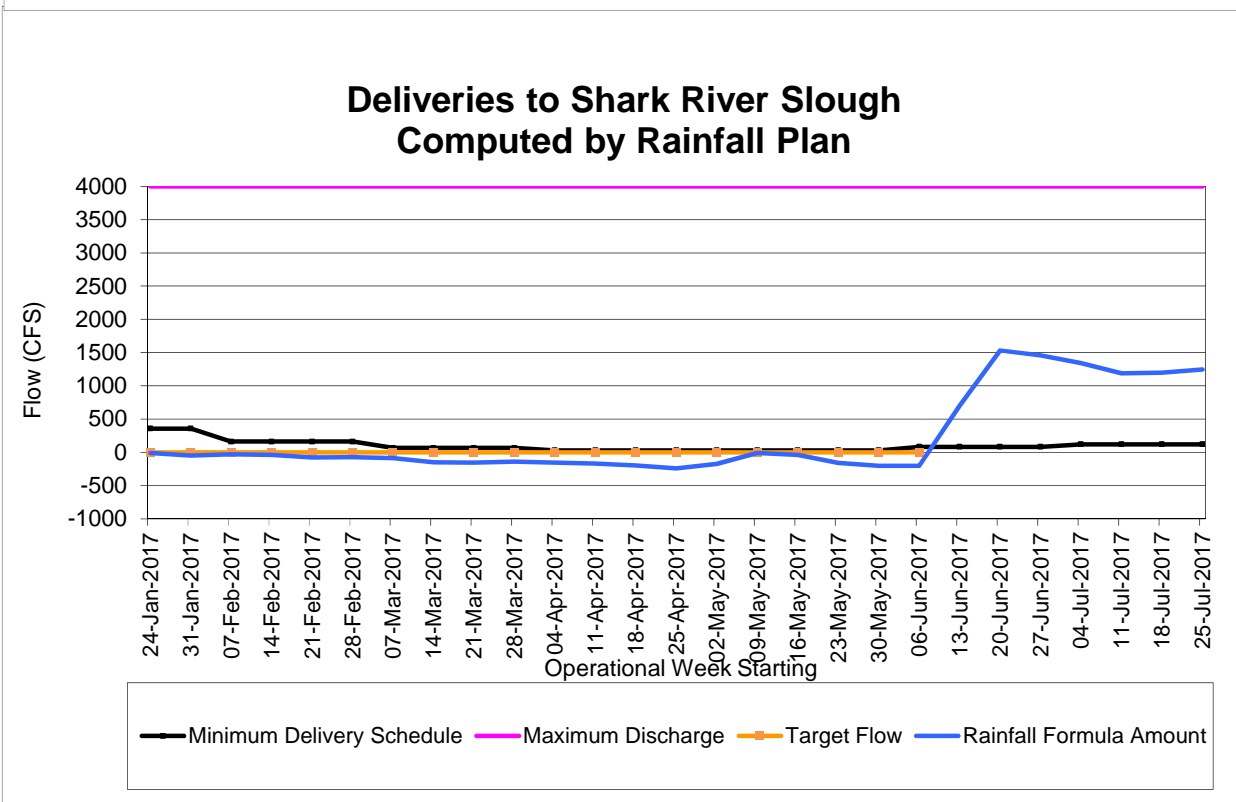
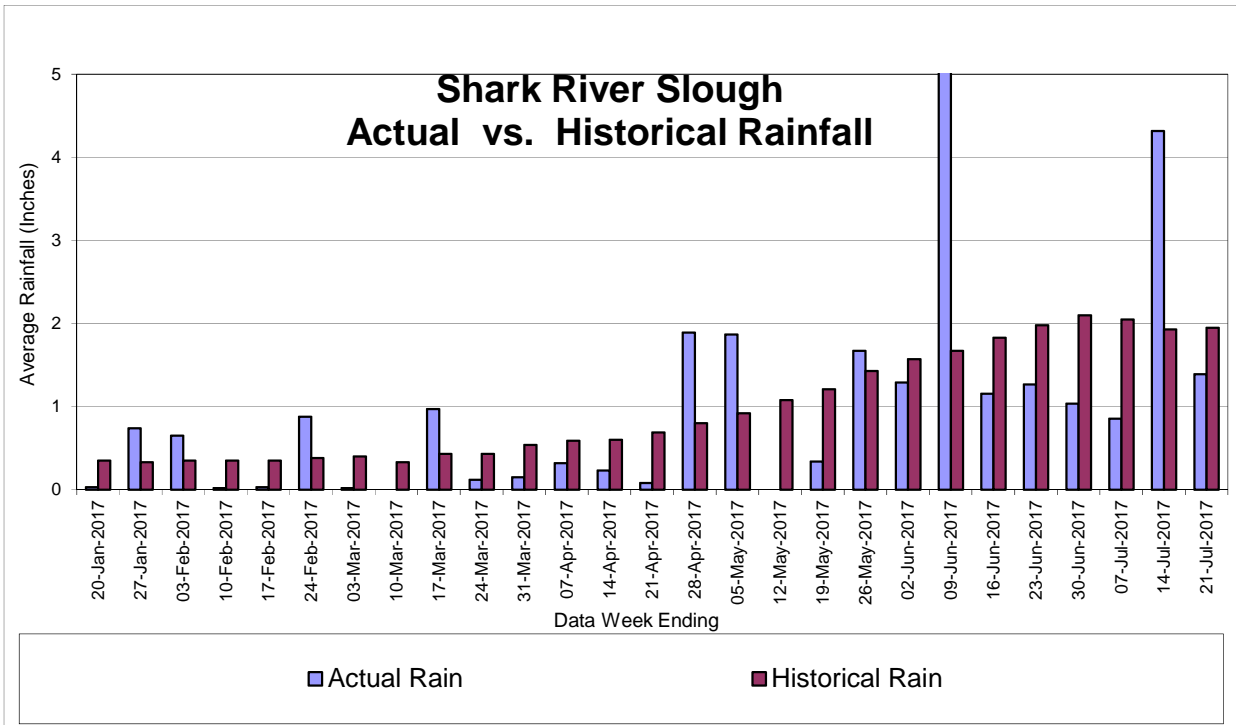
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.53 feet
Distance to Top of Current Zone	N/A	feet

**----Statistical Parameters ----**

Rainfall Formula Amount	1246 cfs
Last Week's Rainfall Formula	1197 cfs
Pre-project Mean Discharge	148 cfs
Rainfall Excess Terms	
RL1 0.38	RL2 -4.27
	RL3 11.08

**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

	<b>Target Flow August 1, 2017</b>	<b>to August 7, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

<b>----Data Summary ----</b>	<b>July 22, 2017</b>	<b>to July 28, 2017</b>
WCA-3A Stage (end of week)	11.24	ft. msl
Angel's	6.78	ft. msl
G-3273	7.15	ft. msl

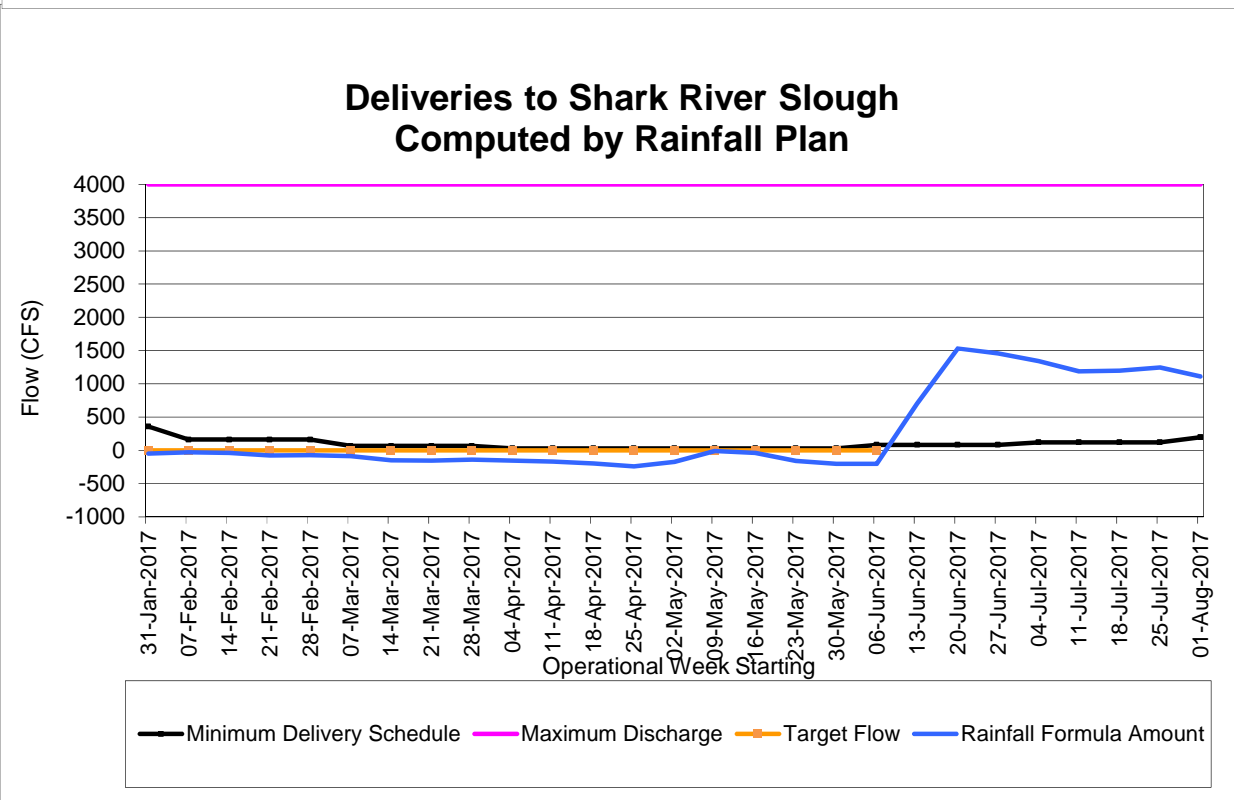
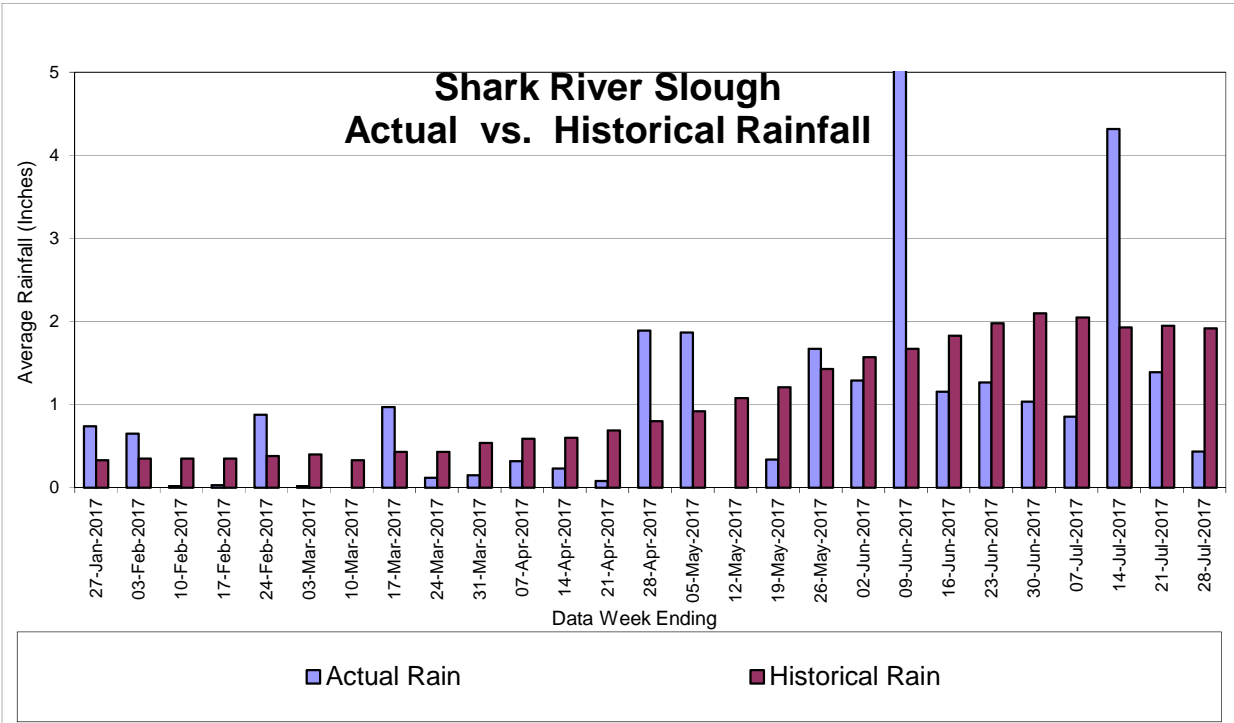
<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.44	2.00
S-140		2.00
ENP		M
-----		
This Week's Avg	0.44	2.00
Pre-Project Avg	1.92	1.42

<b>----Transition Zone Information ----</b>		
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.36 feet
Distance to Top of Current Zone	N/A	feet

<b>----Statistical Parameters ----</b>		
Rainfall Formula Amount		1111 cfs
Last Week's Rainfall Formula		1246 cfs
Pre-project Mean Discharge		162 cfs
Rainfall Excess Terms	RL1 -2.97	RL2 -2.36
		RL3 11.75

**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

	<b>Target Flow August 8, 2017</b>	<b>to August 14, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**----Data Summary ----**

	<b>July 29, 2017</b>	<b>to August 4, 2017</b>
WCA-3A Stage (end of week)	11.25	ft. msl
Angel's	7.13	ft. msl
G-3273	7.29	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.21	1.68
S-140		2.32
ENP		M
-----		
This Week's Avg	2.21	2.00
Pre-Project Avg	1.83	1.42

**----Transition Zone Information ----**

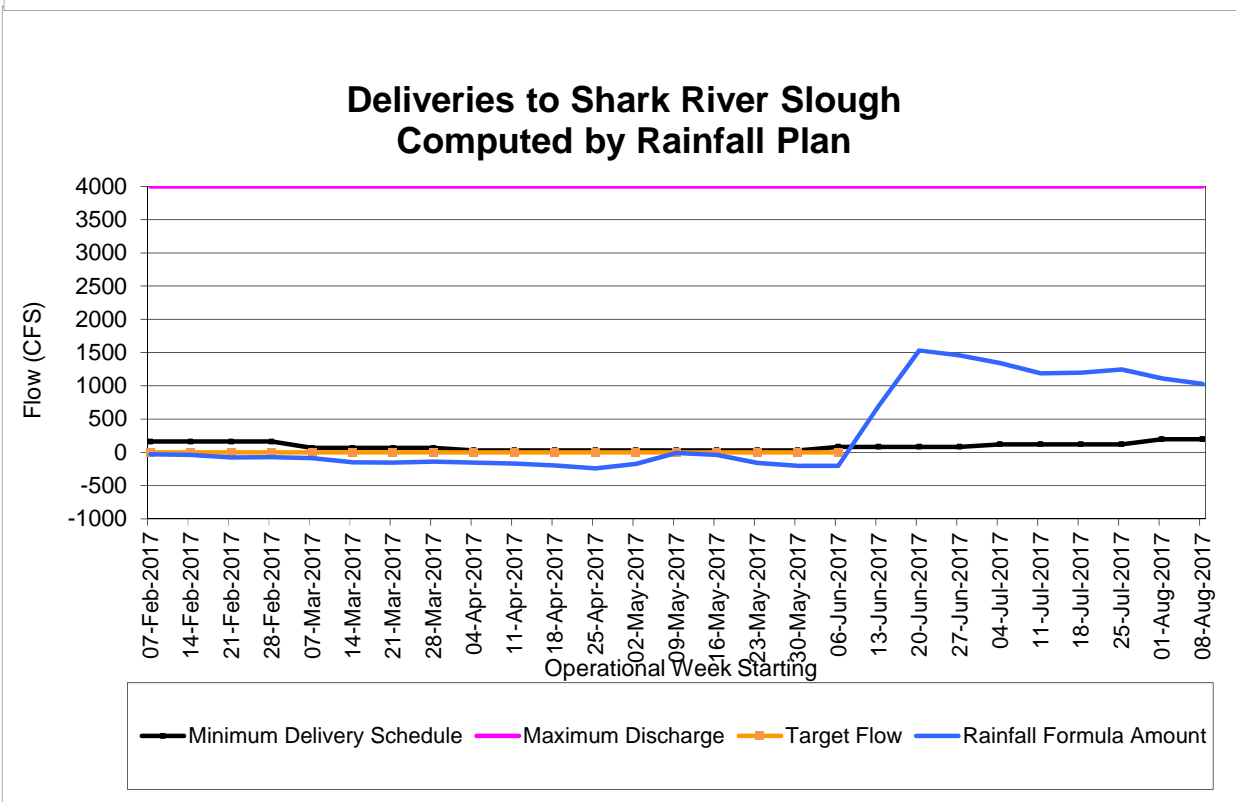
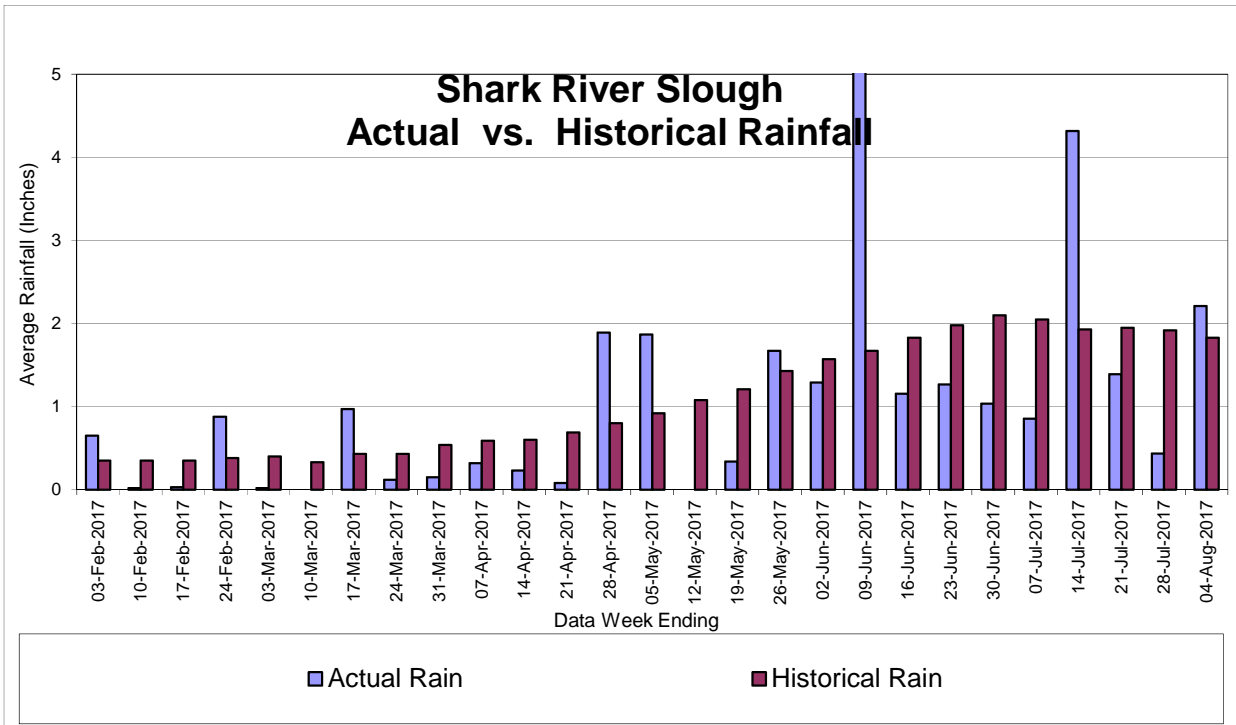
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.33 feet
Distance to Top of Current Zone	N/A	feet

**----Statistical Parameters ----**

Rainfall Formula Amount	1031 cfs
Last Week's Rainfall Formula	1111 cfs
Pre-project Mean Discharge	175 cfs
-----	
Rainfall Excess Terms	
RL1 -2.03	RL2 -2.66
	RL3 11.11

**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

	<b>Target Flow August 15, 2017</b>	<b>to August 21, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**----Data Summary ----**

	<b>August 5, 2017</b>	<b>to August 11, 2017</b>
WCA-3A Stage (end of week)	11.13	ft. msl
Angel's	6.49	ft. msl
G-3273	7.10	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.44	1.99
S-140		1.80
ENP		M
-----		
This Week's Avg	1.44	1.89
Pre-Project Avg	1.72	1.42

**----Transition Zone Information ----**

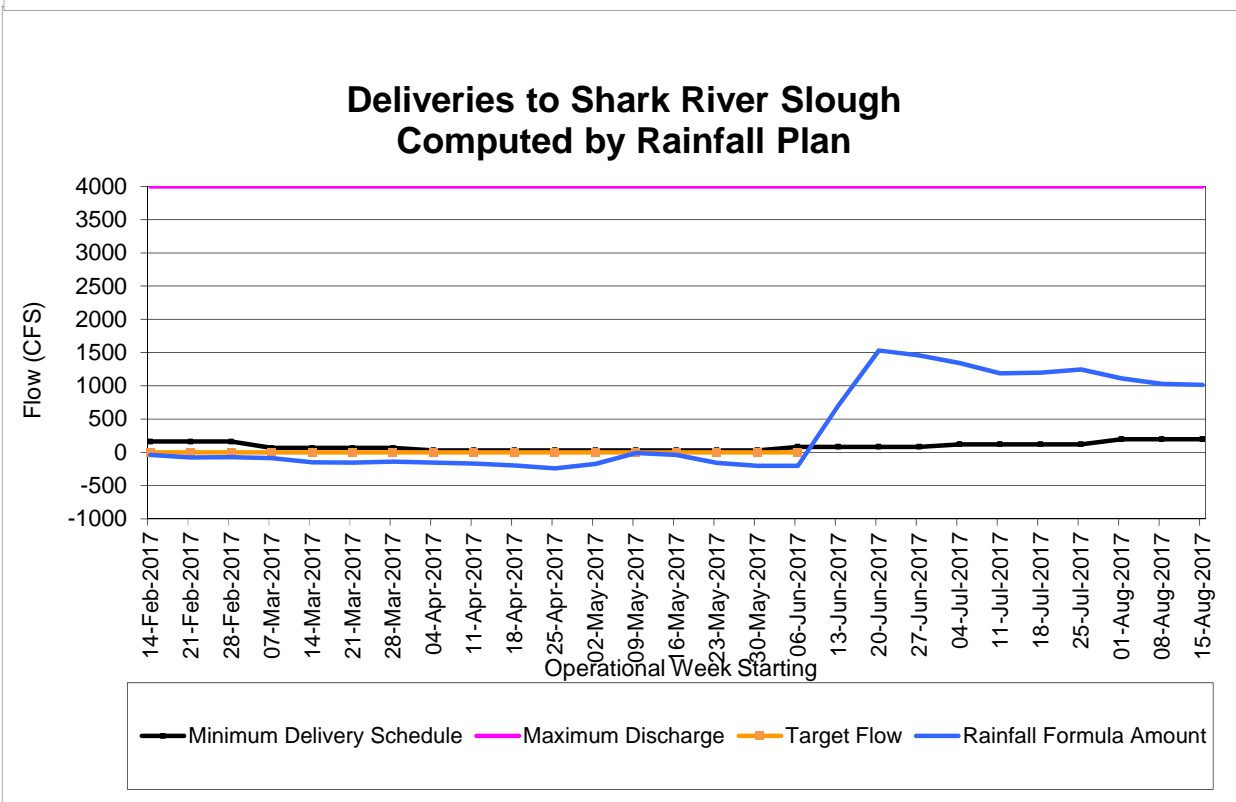
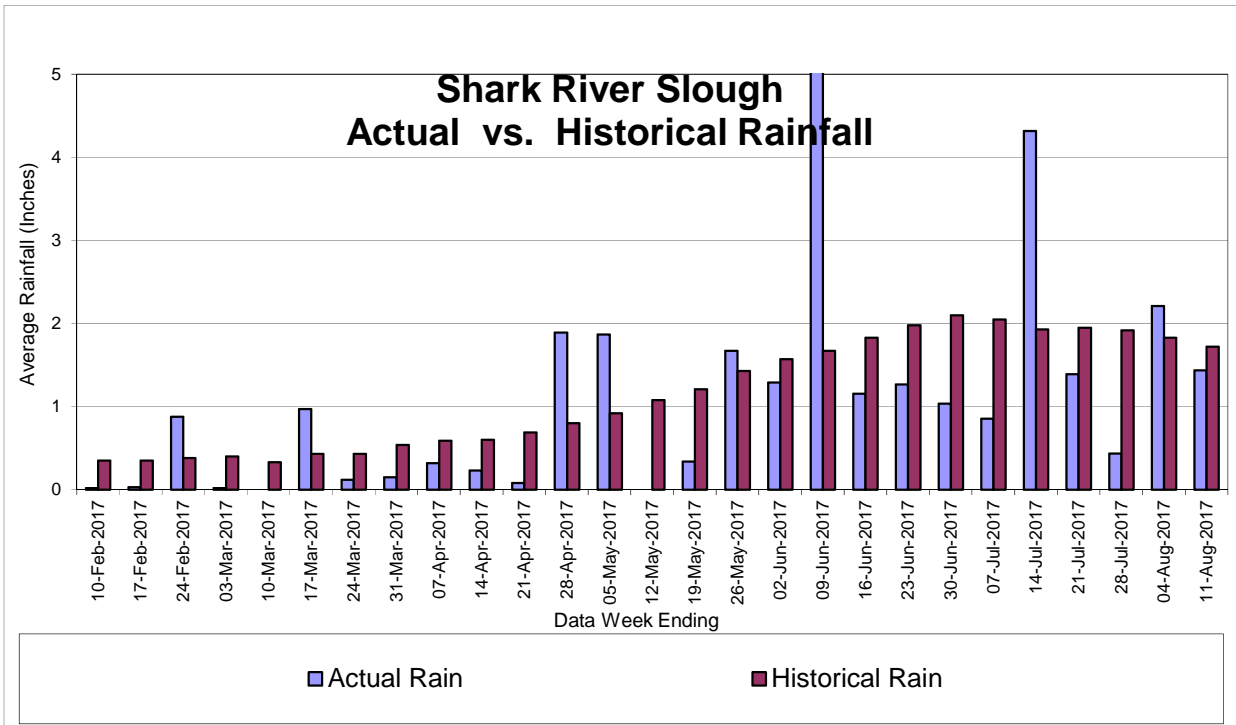
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.16 feet
Distance to Top of Current Zone	N/A	feet

**----Statistical Parameters ----**

Rainfall Formula Amount	1015 cfs
Last Week's Rainfall Formula	1031 cfs
Pre-project Mean Discharge	185 cfs
Rainfall Excess Terms	
RL1 -0.75	RL2 -3.05
	RL3 10.02

**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

	<b>Target Flow August 22, 2017</b>	<b>to August 28, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge		MAX		cfs
S-333 Discharge		MAX		cfs

**-----Data Summary -----**

	<b>August 12, 2017</b>	<b>to August 18, 2017</b>
WCA-3A Stage (end of week)	11.00	ft. msl
Angel's	6.30	ft. msl
G-3273	7.03	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.01	1.73
S-140		1.76
ENP		M
-----		
This Week's Avg	1.01	1.74
Pre-Project Avg	1.70	1.39

**-----Transition Zone Information -----**

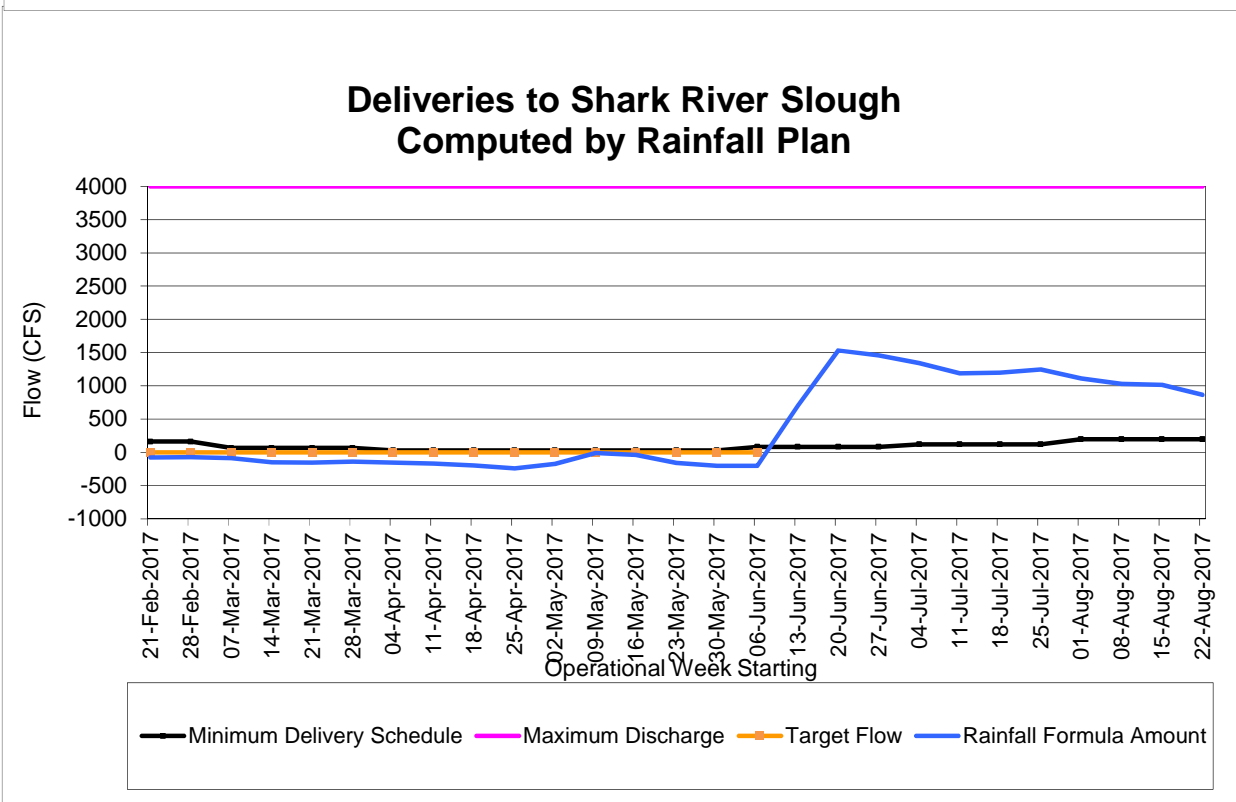
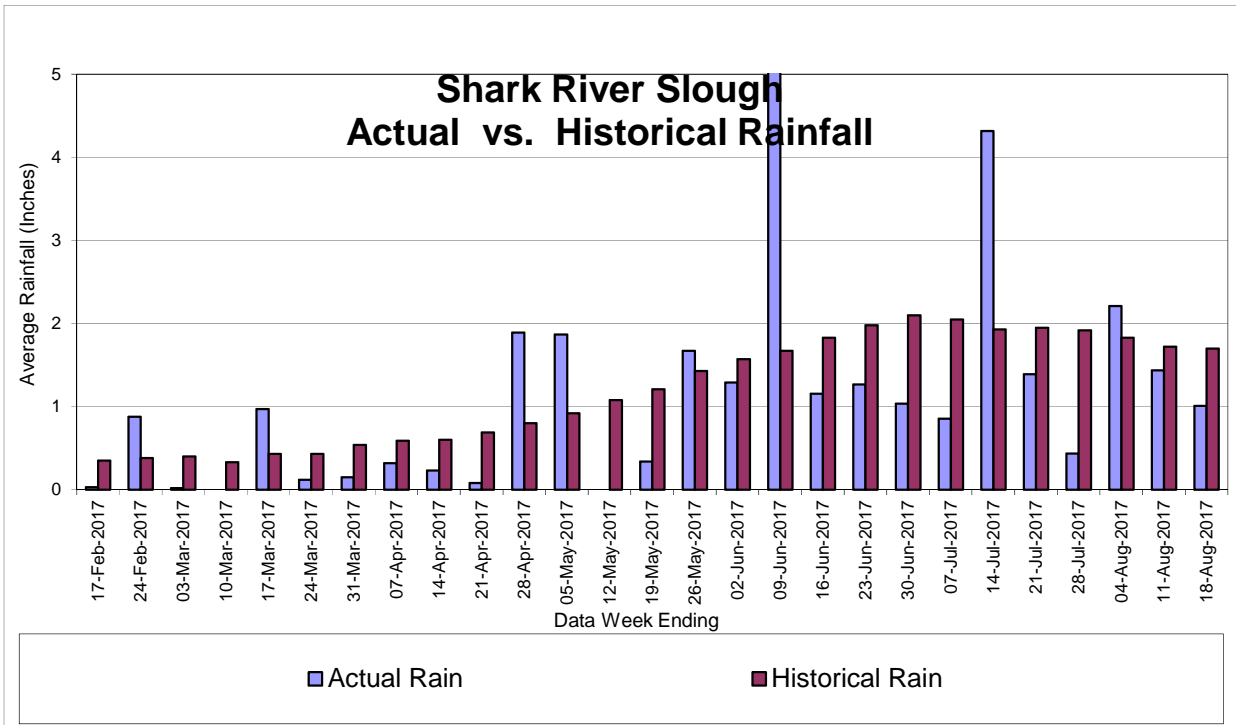
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-0.98 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	866 cfs
Last Week's Rainfall Formula	1015 cfs
Pre-project Mean Discharge	199 cfs
Rainfall Excess Terms	
RL1 -1.64	RL2 -1.65
	RL3 -4.27

**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

	<b>Target Flow August 29, 2017</b>	<b>to</b>	<b>September 4, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

<b>----Data Summary ----</b>	<b>August 19, 2017</b>	<b>to</b>	<b>August 25, 2017</b>
WCA-3A Stage (end of week)	11.11		ft. msl
Angel's	6.70		ft. msl
G-3273	7.08		ft. msl

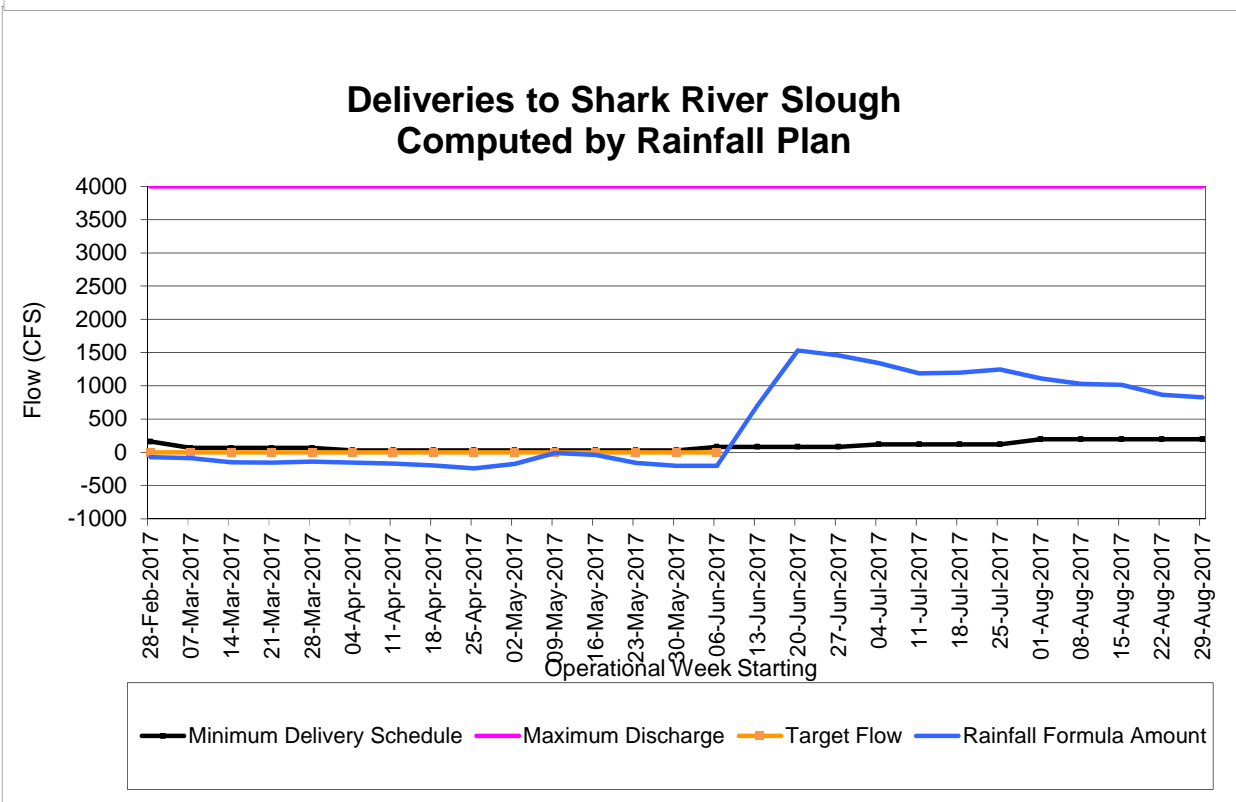
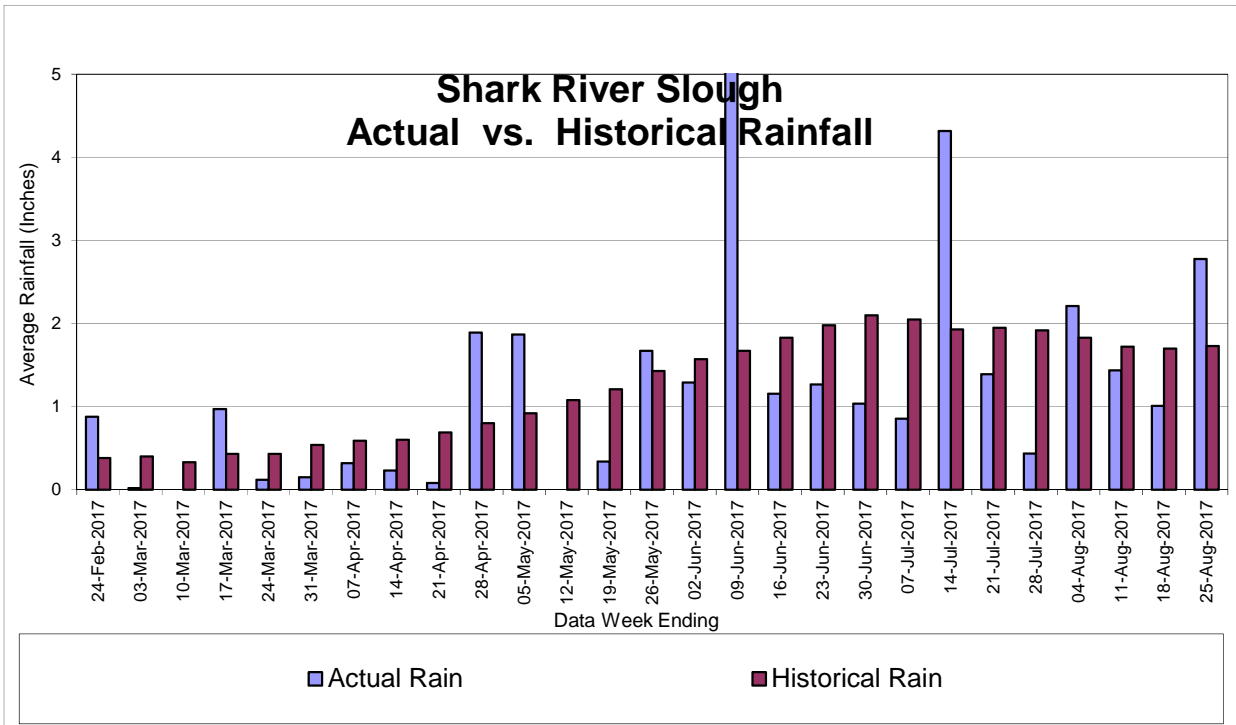
<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.78	1.50
S-140		1.44
ENP		M
-----		
This Week's Avg	2.78	1.47
Pre-Project Avg	1.73	1.40

<b>----Transition Zone Information ----</b>		
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.05 feet
Distance to Top of Current Zone	N/A	feet

<b>----Statistical Parameters ----</b>		
Rainfall Formula Amount		829 cfs
Last Week's Rainfall Formula		866 cfs
Pre-project Mean Discharge		223 cfs
Rainfall Excess Terms	RL1 0.02	RL2 -3.71
		RL3 -2.36

**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

	<b>Target Flow September 5, 2017</b>	<b>to</b>	<b>September 11, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

<b>-----Data Summary -----</b>	<b>August 26, 2017</b>	<b>to</b>	<b>September 1, 2017</b>
WCA-3A Stage (end of week)	11.05		ft. msl
Angel's	7.04		ft. msl
G-3273	7.28		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	287.47	1.71
S-140		1.71
ENP		M
-----		
This Week's Avg	287.47	1.71
Pre-Project Avg	1.89	1.36

<b>-----Transition Zone Information -----</b>			
<b>WCA-3A is in Zone A</b>		<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is		MAX	cfs
Distance to Bottom of Current Zone			-0.94 feet
Distance to Top of Current Zone		N/A	feet

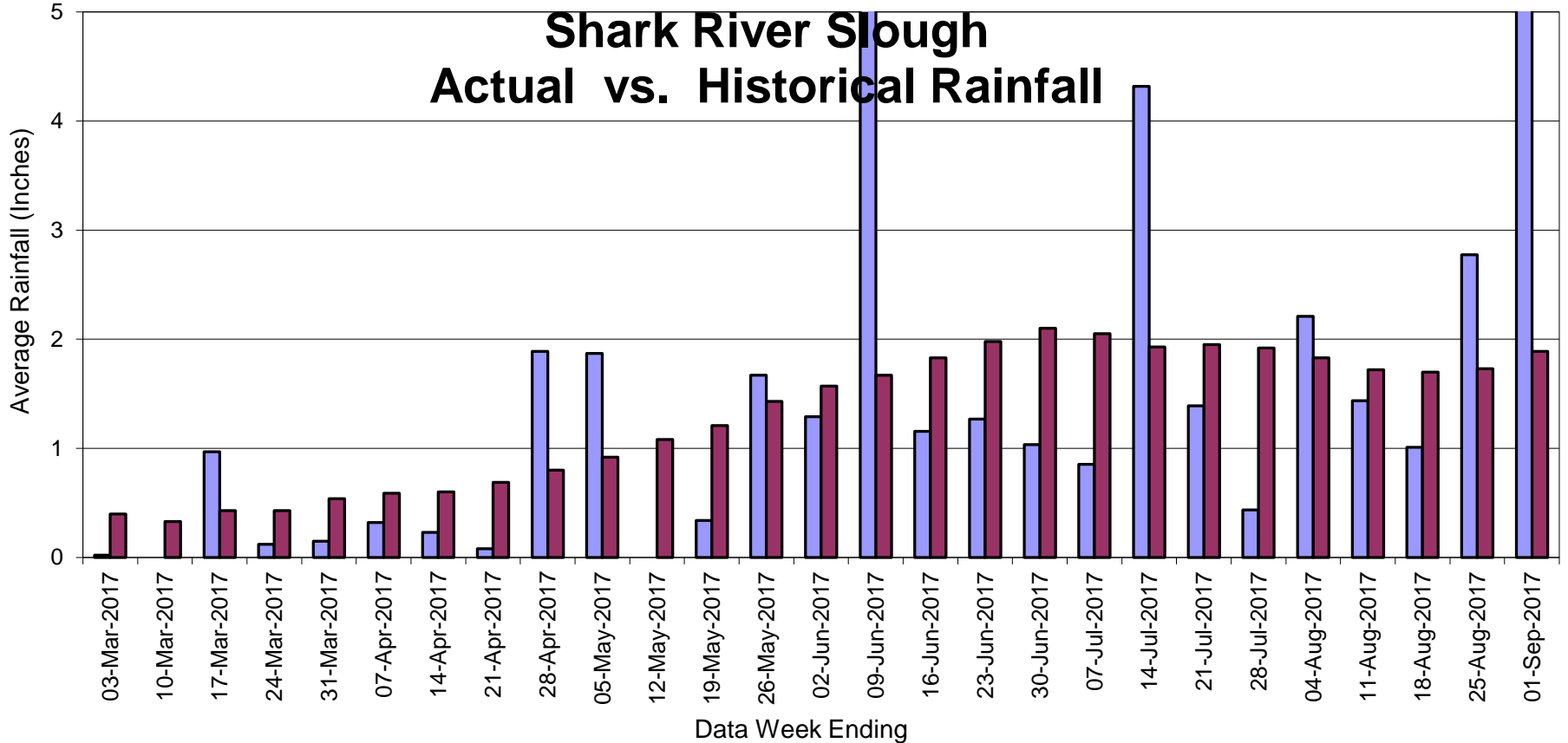
<b>-----Statistical Parameters -----</b>	
Rainfall Formula Amount	21012 cfs
Last Week's Rainfall Formula	829 cfs
Pre-project Mean Discharge	257 cfs

Rainfall Excess Terms	RL1 286.29	RL2 -3.67	RL3 -2.66
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**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.**

# Shark River Slough Actual vs. Historical Rainfall



Actual Rain

Historical Rain



## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

	<b>Target Flow</b>	<b>September 12, 2017</b>	<b>to</b>	<b>September 18, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge				MAX		cfs
S-333 Discharge				MAX		cfs

<b>-----Data Summary -----</b>	<b>September 2, 2017</b>	<b>to</b>	<b>September 8, 2017</b>
WCA-3A Stage (end of week)	11.17		ft. msl
Angel's	6.73		ft. msl
G-3273	7.20		ft. msl

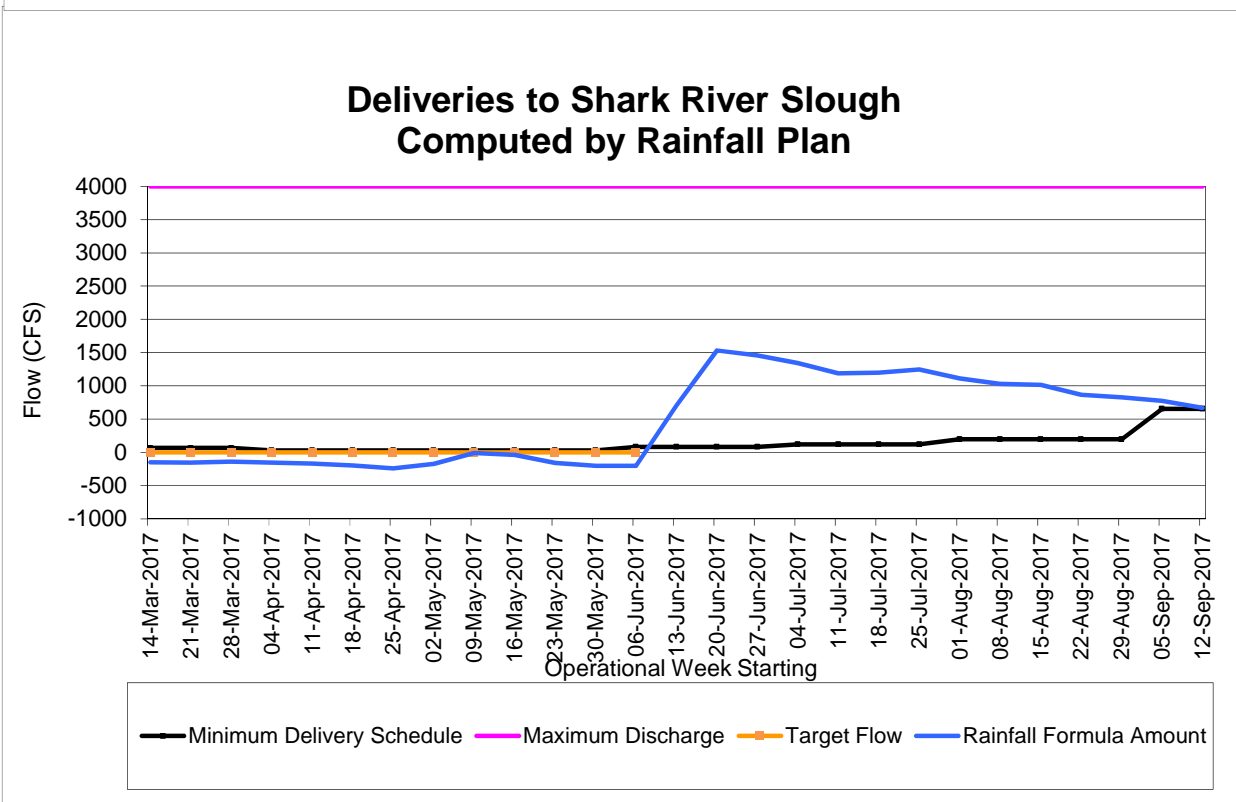
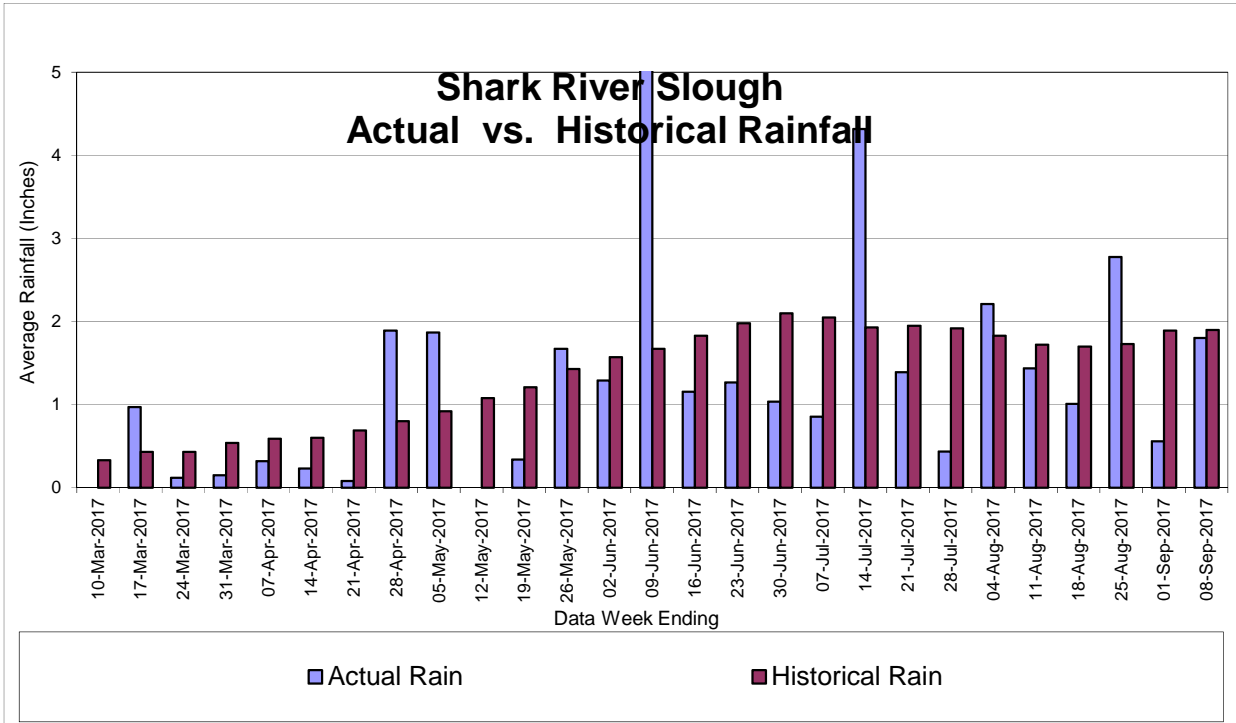
<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.80	2.01
S-140		1.81
ENP		M
-----		
This Week's Avg	1.80	1.91
Pre-Project Avg	1.90	1.34

<b>-----Transition Zone Information -----</b>		
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.02 feet
Distance to Top of Current Zone	N/A	feet

<b>-----Statistical Parameters -----</b>		
Rainfall Formula Amount		667 cfs
Last Week's Rainfall Formula		774 cfs
Pre-project Mean Discharge		310 cfs
Rainfall Excess Terms	RL1 -2.16	RL2 -0.73
		RL3 -3.05

**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

	<b>Target Flow September 19, 2017</b>	<b>to</b>	<b>September 25, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>September 9, 2017</b>	<b>to</b>	<b>September 15, 2017</b>
WCA-3A Stage (end of week)	11.98		ft. msl
Angel's	7.83		ft. msl
G-3273	7.88		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	8.28	2.26
S-140		1.80
ENP		M
-----		
This Week's Avg	8.28	2.03
Pre-Project Avg	2.00	1.31

**-----Transition Zone Information -----**

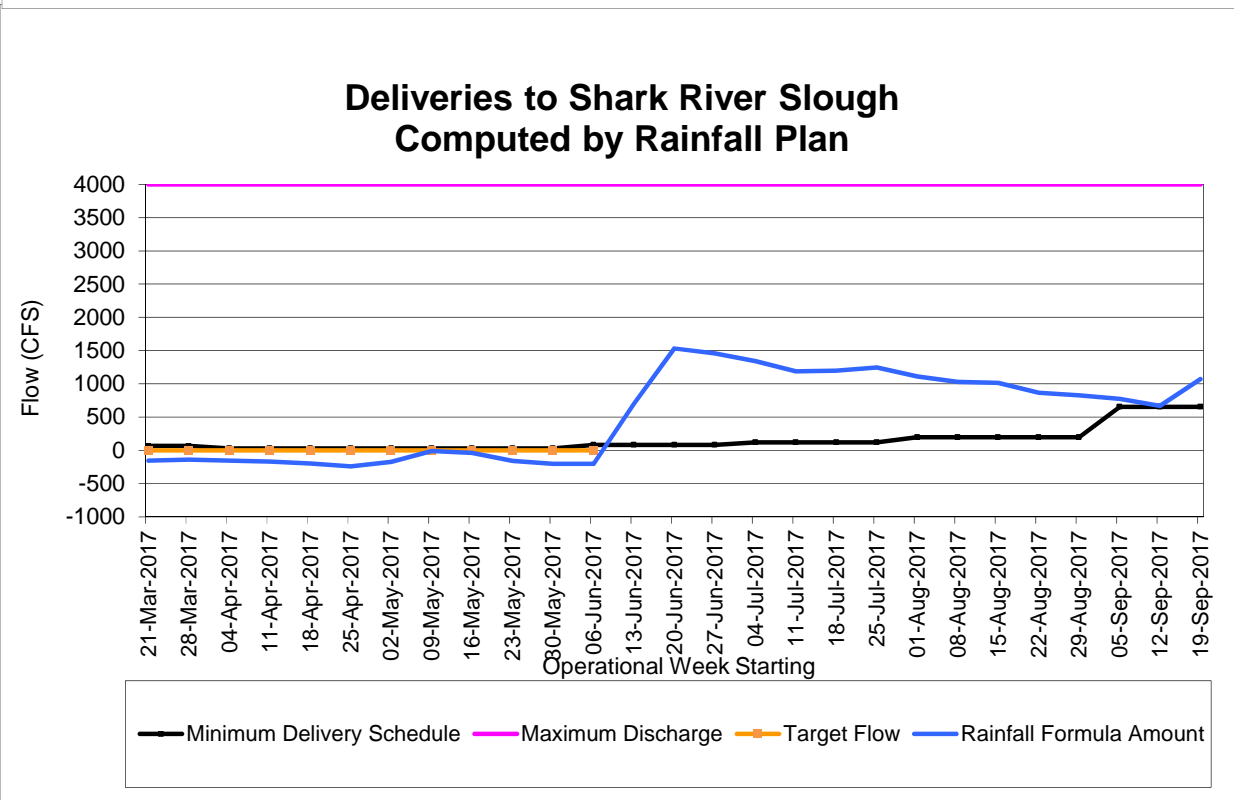
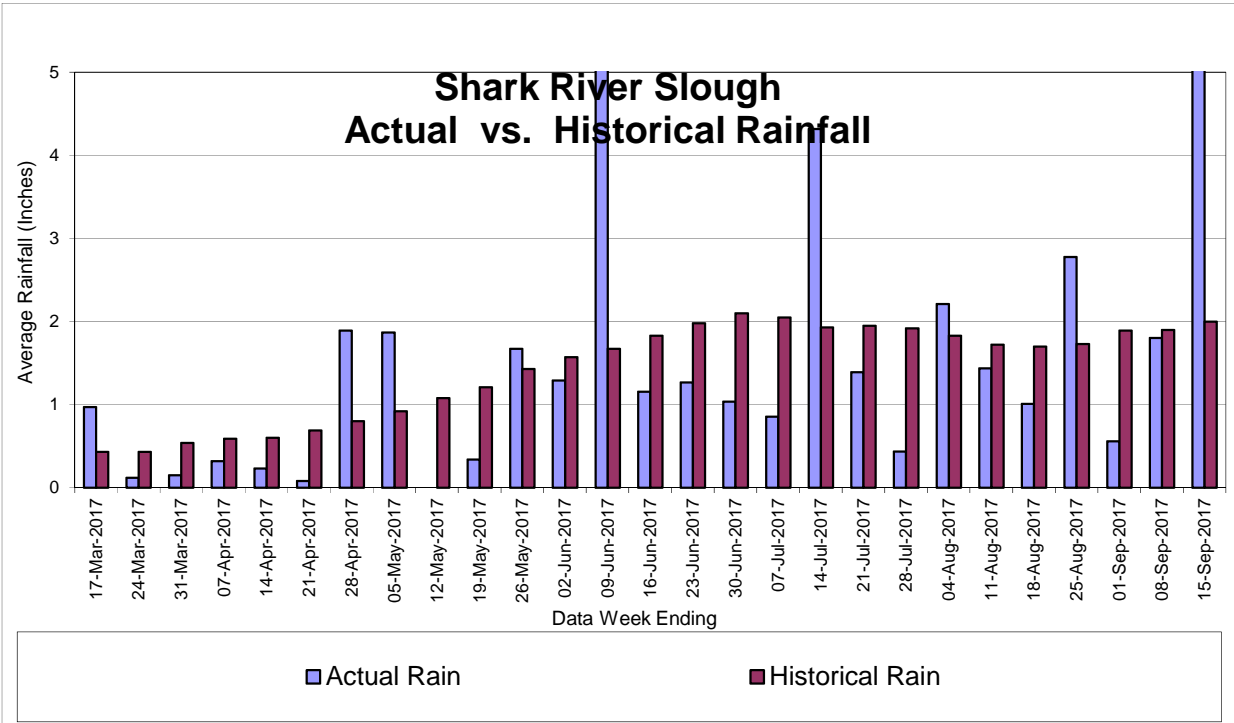
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.78 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1071 cfs
Last Week's Rainfall Formula	667 cfs
Pre-project Mean Discharge	385 cfs
Rainfall Excess Terms	
RL1 5.15	RL2 -2.26
	RL3 -1.65

**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

	<b>Target Flow September 26, 2017</b>	<b>to</b>	<b>October 2, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>September 16, 2017</b>	<b>to</b>	<b>September 22, 2017</b>
WCA-3A Stage (end of week)	12.09		ft. msl
Angel's	7.54		ft. msl
G-3273	7.71		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.39	1.58
S-140		1.71
ENP		M
-----		
This Week's Avg	0.39	1.64
Pre-Project Avg	2.16	1.27

**-----Transition Zone Information -----**

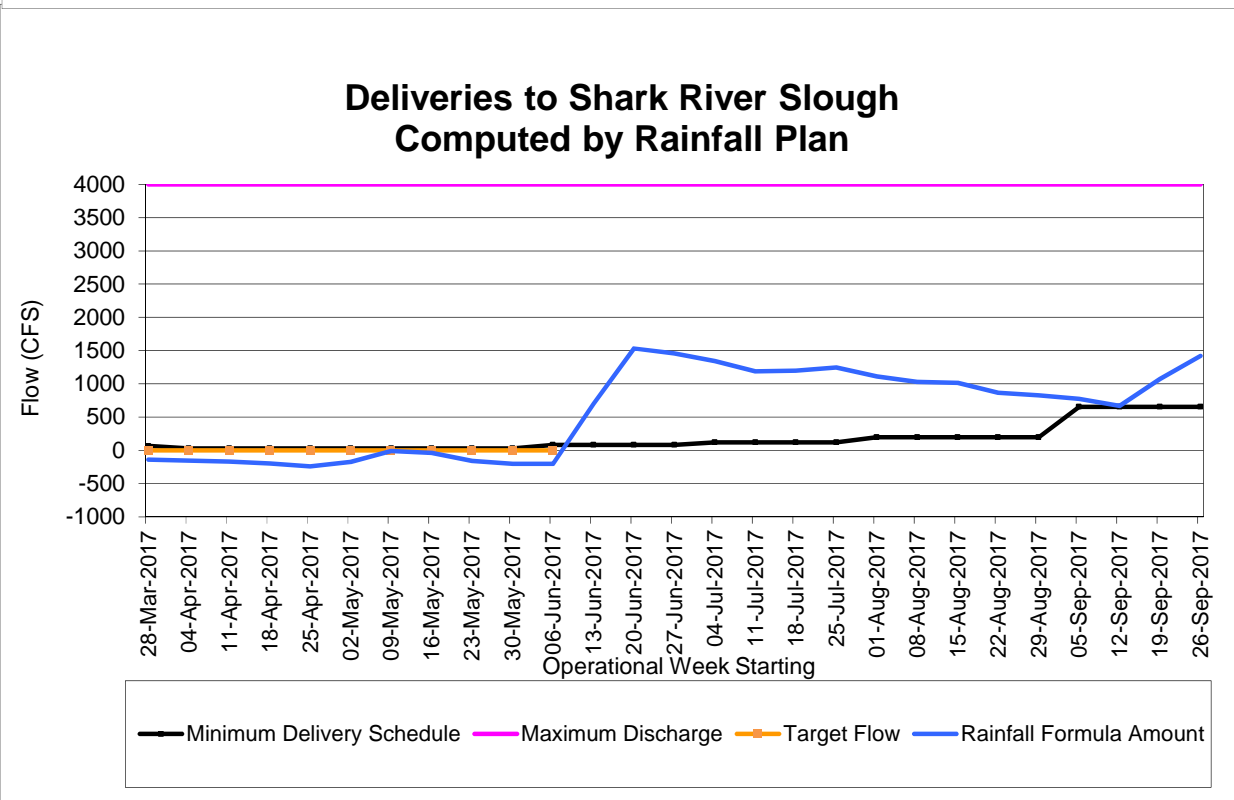
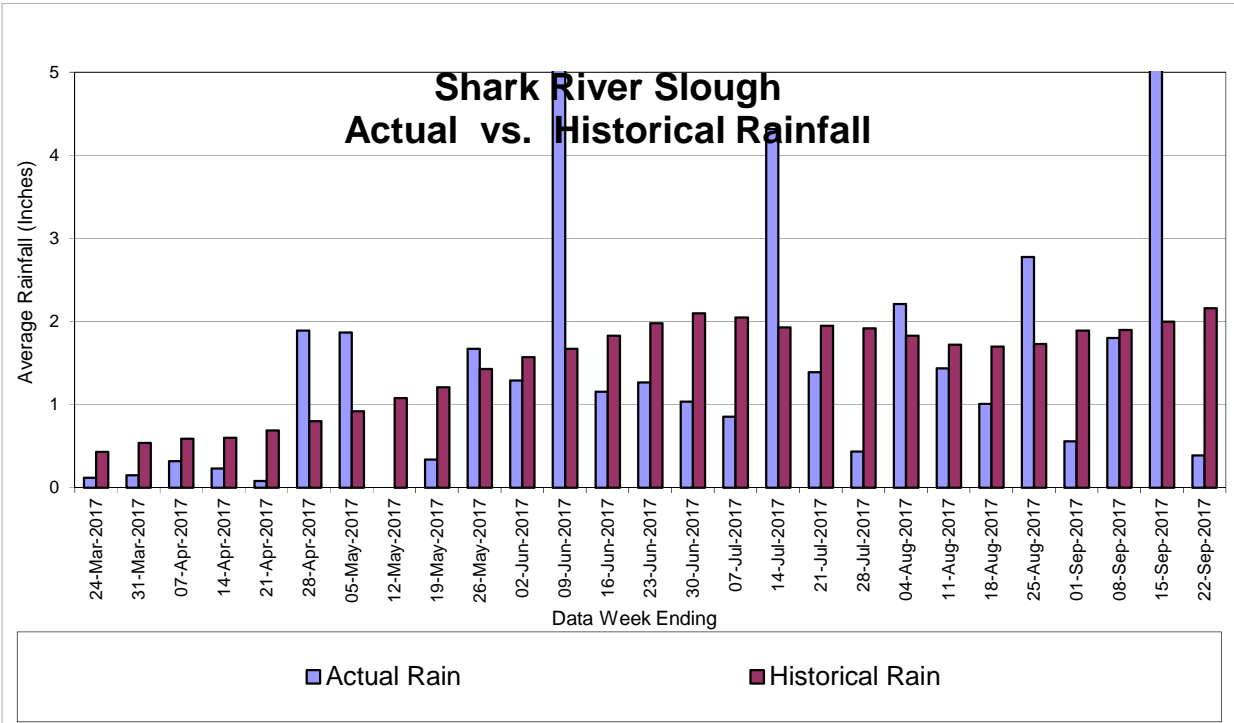
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.84 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1420 cfs
Last Week's Rainfall Formula	1071 cfs
Pre-project Mean Discharge	540 cfs
Rainfall Excess Terms	
RL1 3.64	RL2 -2.15
	RL3 -3.71

**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

	<b>Target Flow October 3, 2017</b>	<b>to</b>	<b>October 9, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>September 23, 2017</b>	<b>to</b>	<b>September 29, 2017</b>
WCA-3A Stage (end of week)	12.24		ft. msl
Angel's	7.54		ft. msl
G-3273	7.71		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.78	1.58
S-140		1.53
ENP		M
-----		
This Week's Avg	1.78	1.55
Pre-Project Avg	2.07	1.25

**-----Transition Zone Information -----**

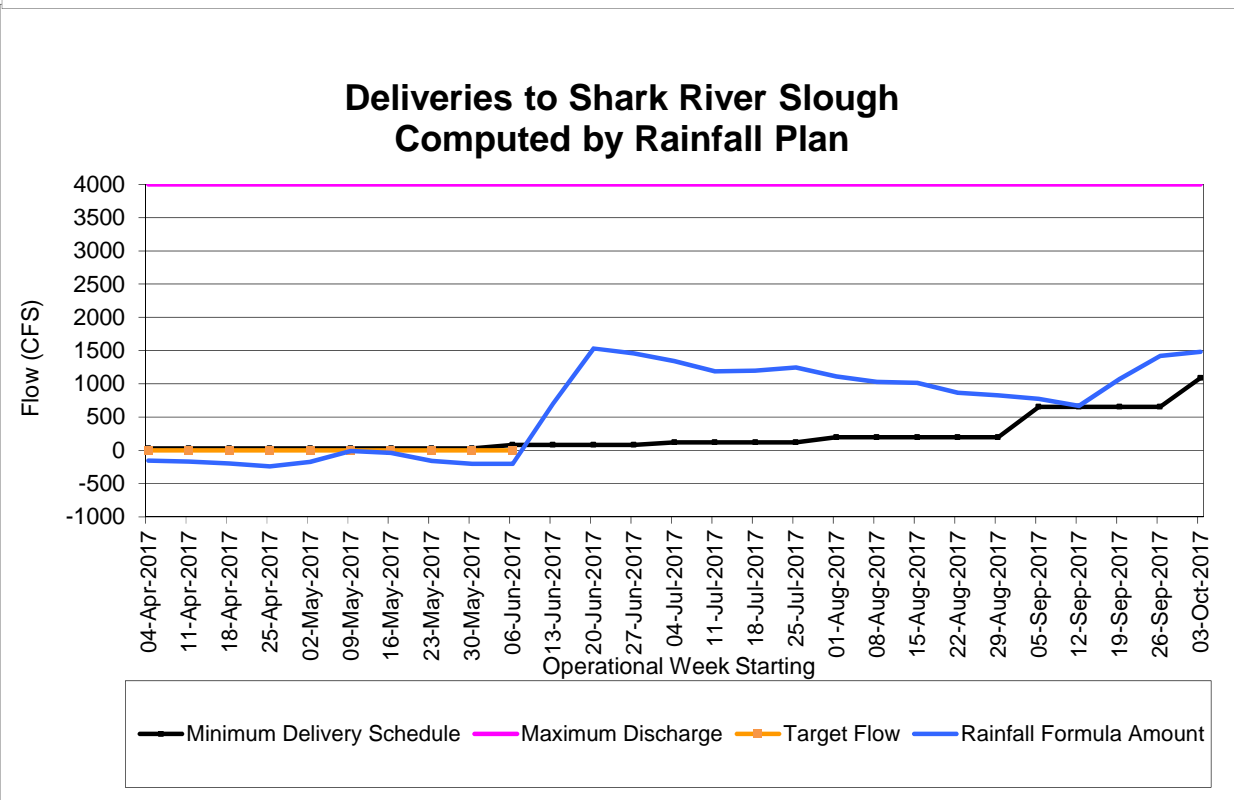
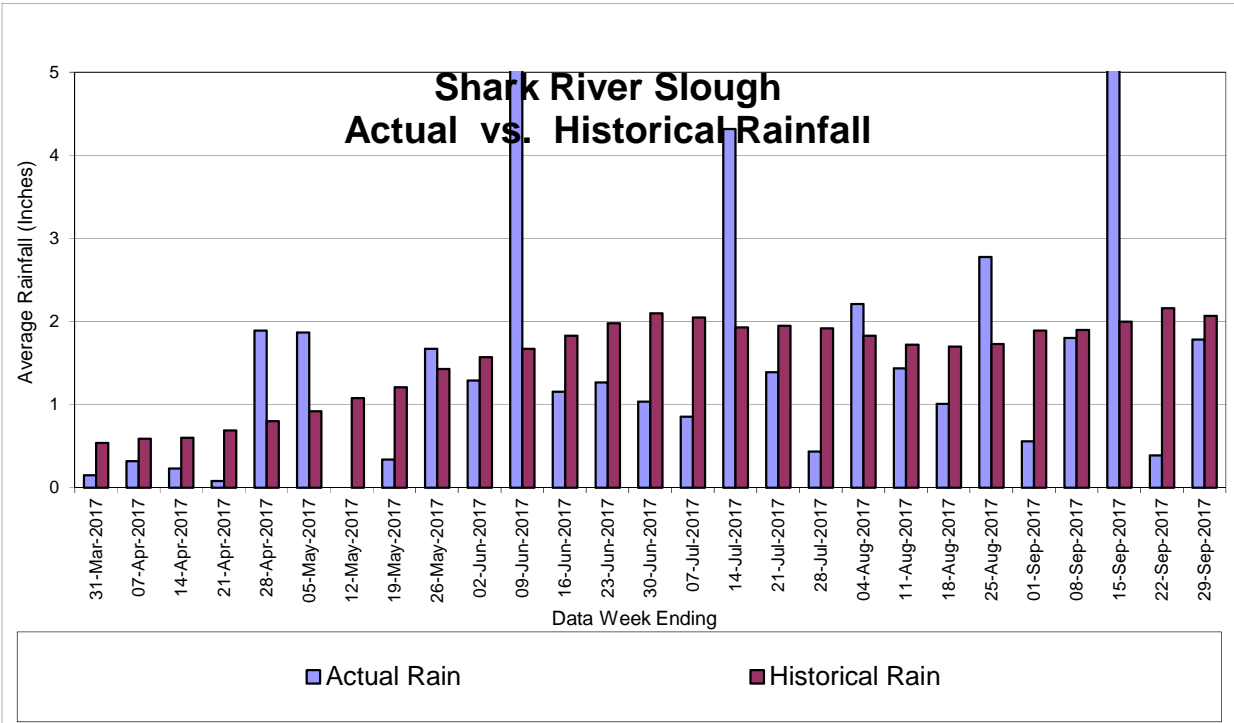
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.95 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1484 cfs
Last Week's Rainfall Formula	1420 cfs
Pre-project Mean Discharge	779 cfs
Rainfall Excess Terms	
RL1 -2.60	RL2 4.53
	RL3 -3.67

**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

	<b>Target Flow October 10, 2017</b>	<b>to</b>	<b>October 16, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>September 30, 2017</b>	<b>to</b>	<b>October 6, 2017</b>
WCA-3A Stage (end of week)	12.57		ft. msl
Angel's	7.91		ft. msl
G-3273	8.00		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	3.04	1.47
S-140		1.30
ENP		M
-----		
This Week's Avg	3.04	1.38
Pre-Project Avg	1.88	1.21

**-----Transition Zone Information -----**

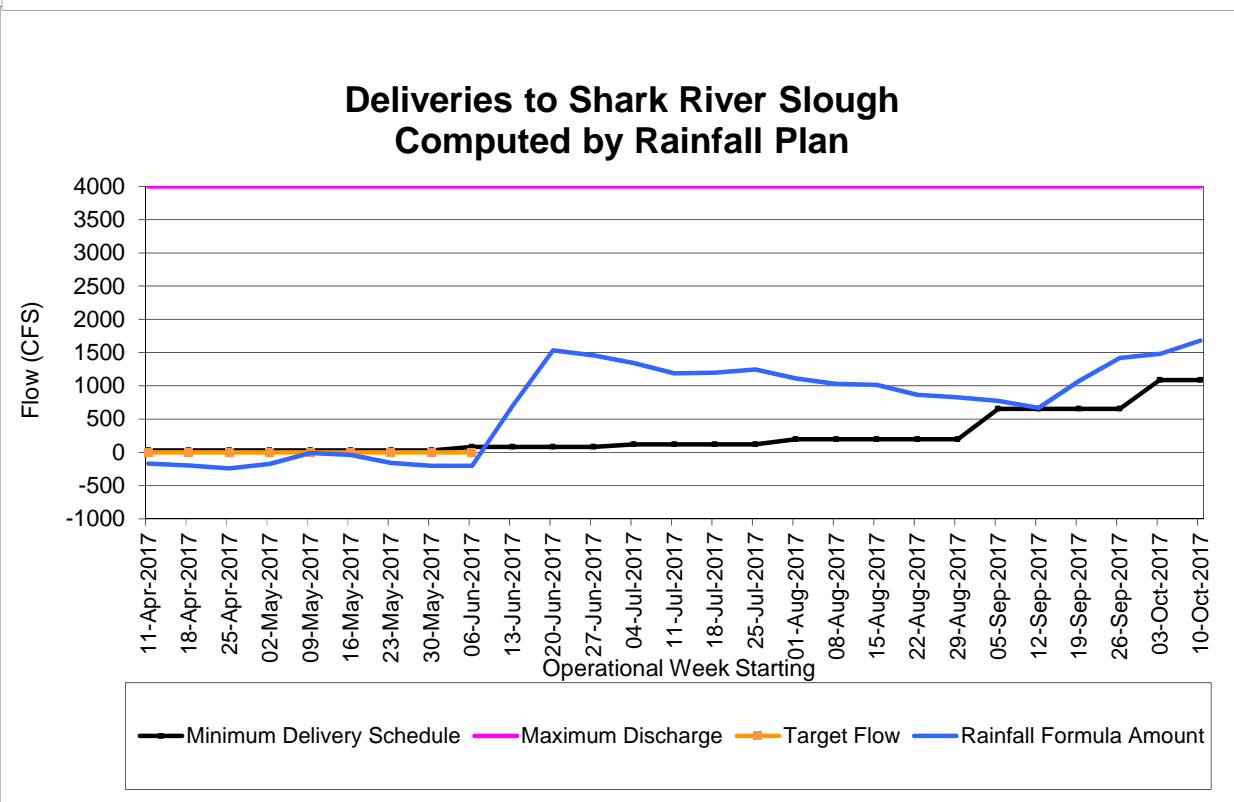
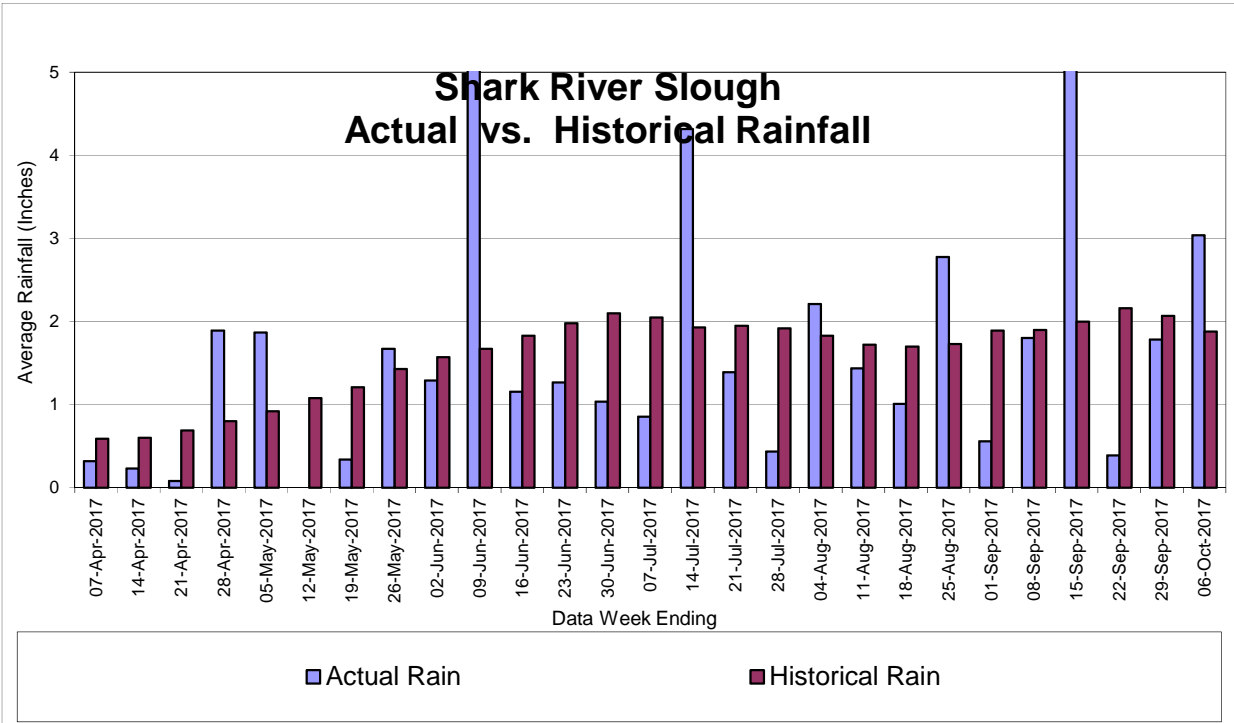
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-2.23 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1683 cfs
Last Week's Rainfall Formula	1484 cfs
Pre-project Mean Discharge	995 cfs
Rainfall Excess Terms	
RL1 0.49	RL2 1.47
	RL3 -0.73

**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

	<b>Target Flow</b>		<b>October 17, 2017</b>	<b>to</b>	<b>October 23, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge					MAX		cfs
S-333 Discharge					MAX		cfs

<b>-----Data Summary -----</b>		<b>October 7, 2017</b>	<b>to</b>	<b>October 13, 2017</b>
WCA-3A Stage (end of week)		12.56		ft. msl
Angel's		7.57		ft. msl
G-3273		7.80		ft. msl

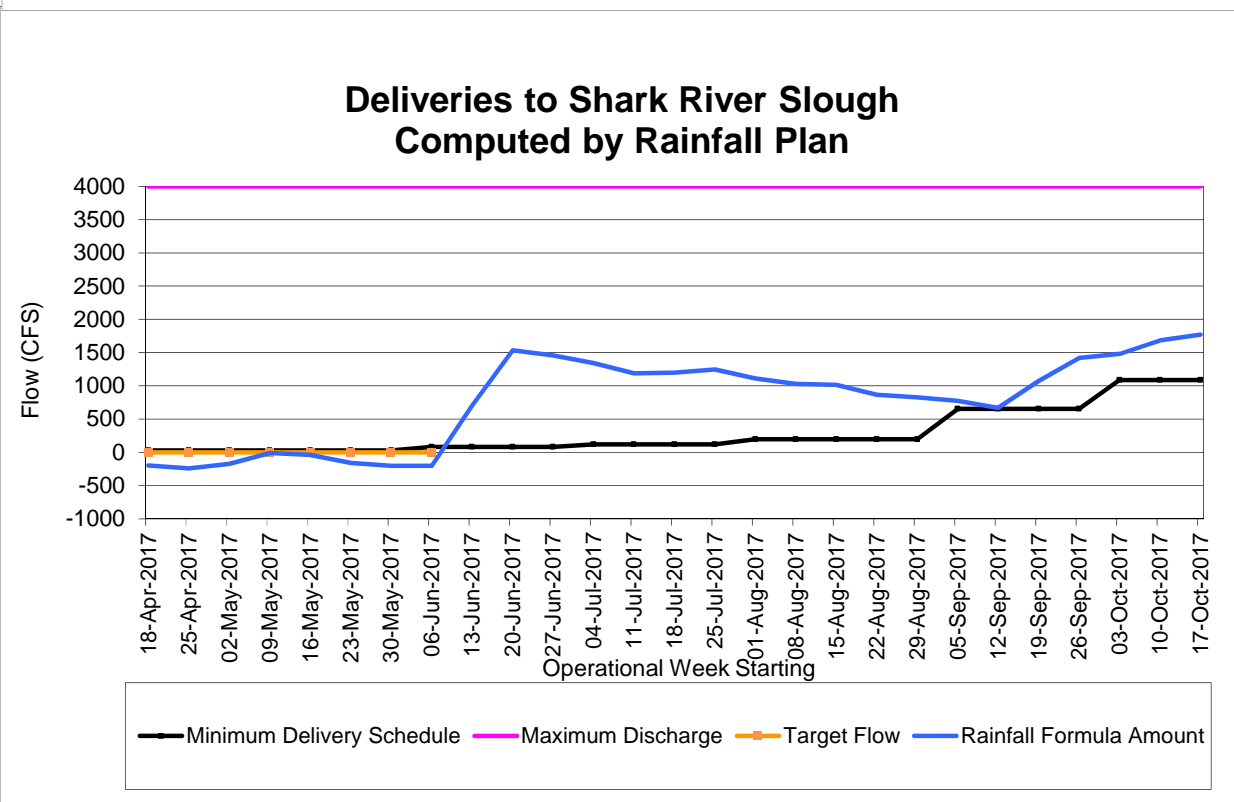
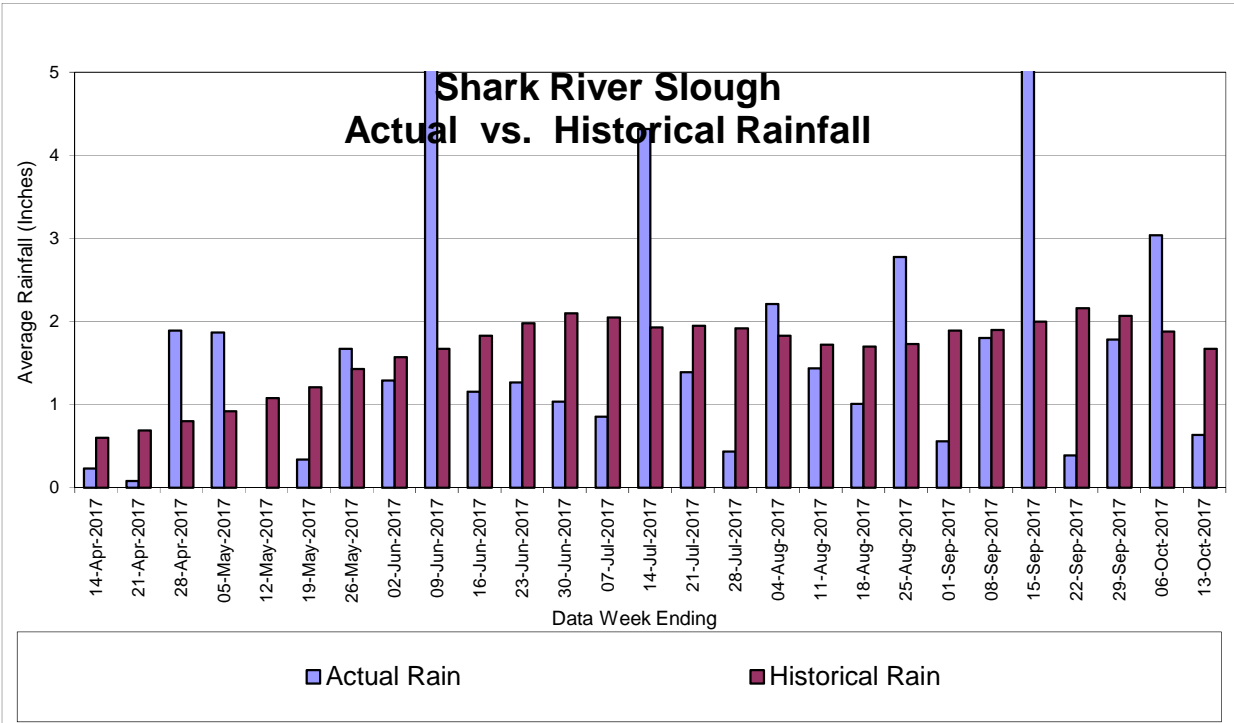
<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.64	1.01
S-140		1.65
ENP		M
-----		
This Week's Avg	0.64	1.33
Pre-Project Avg	1.67	1.16

<b>-----Transition Zone Information -----</b>		
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-2.18 feet
Distance to Top of Current Zone	N/A	feet

<b>-----Statistical Parameters -----</b>		
Rainfall Formula Amount		1770 cfs
Last Week's Rainfall Formula		1683 cfs
Pre-project Mean Discharge		1130 cfs
Rainfall Excess Terms		
RL1 -0.15	RL2 2.56	RL3 -2.26

**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

	<b>Target Flow October 24, 2017</b>	<b>to</b>	<b>October 30, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>October 14, 2017</b>	<b>to</b>	<b>October 20, 2017</b>
WCA-3A Stage (end of week)	12.50		ft. msl
Angel's	7.58		ft. msl
G-3273	7.80		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.94	1.20
S-140		1.42
ENP		M
-----		
This Week's Avg	0.94	1.31
Pre-Project Avg	1.38	1.12

**-----Transition Zone Information -----**

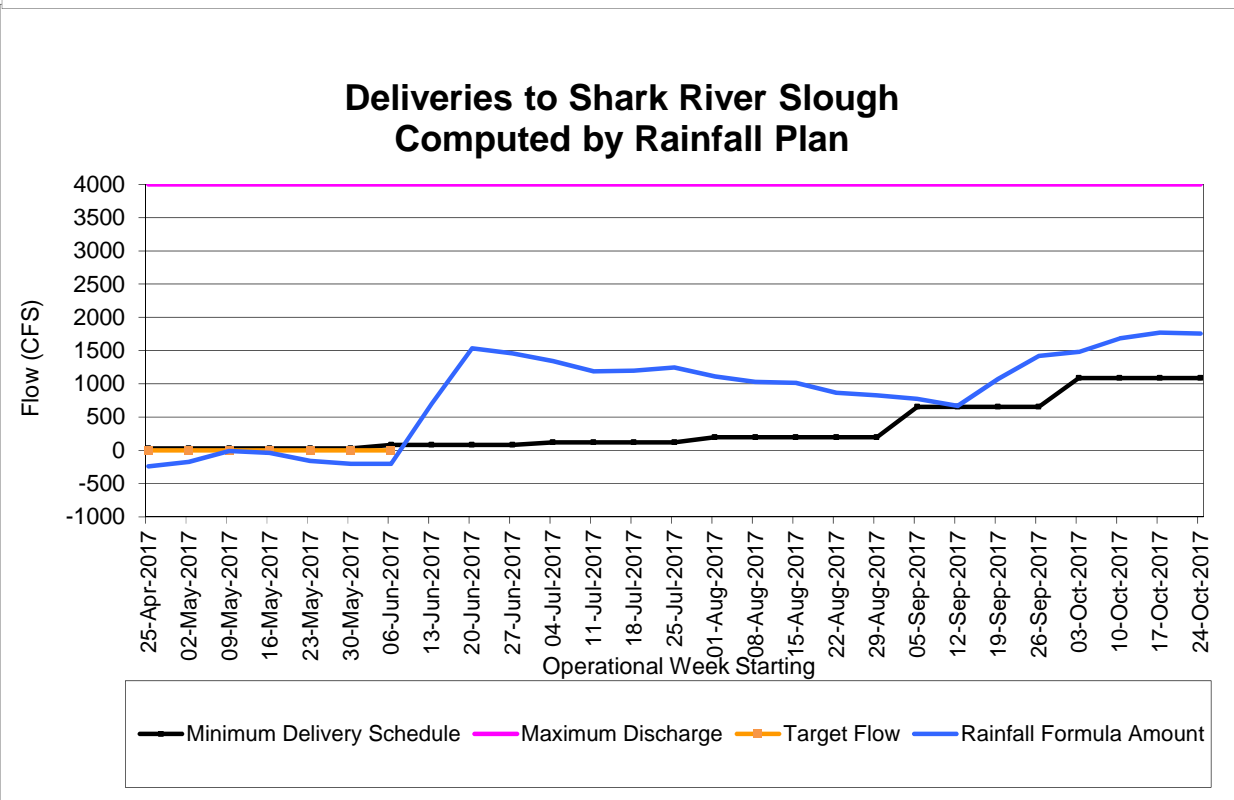
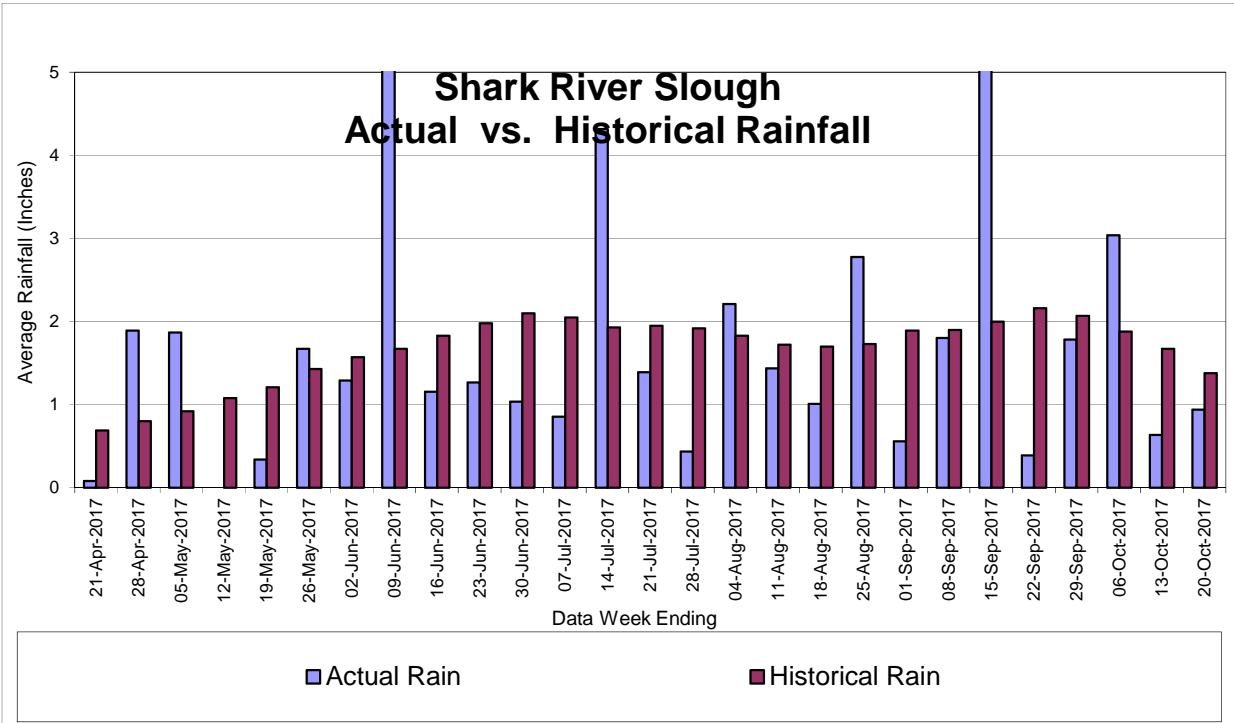
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-2.07 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1757 cfs
Last Week's Rainfall Formula	1770 cfs
Pre-project Mean Discharge	1229 cfs
Rainfall Excess Terms	
RL1 -1.76	RL2 4.13
	RL3 -2.15

**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

	<b>Target Flow October 31, 2017</b>	<b>to</b>	<b>November 6, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>October 21, 2017</b>	<b>to</b>	<b>October 27, 2017</b>
WCA-3A Stage (end of week)	12.38		ft. msl
Angel's	7.54		ft. msl
G-3273	7.83		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.89	1.44
S-140		2.11
ENP		M
-----		
This Week's Avg	0.89	1.77
Pre-Project Avg	1.19	1.06

**-----Transition Zone Information -----**

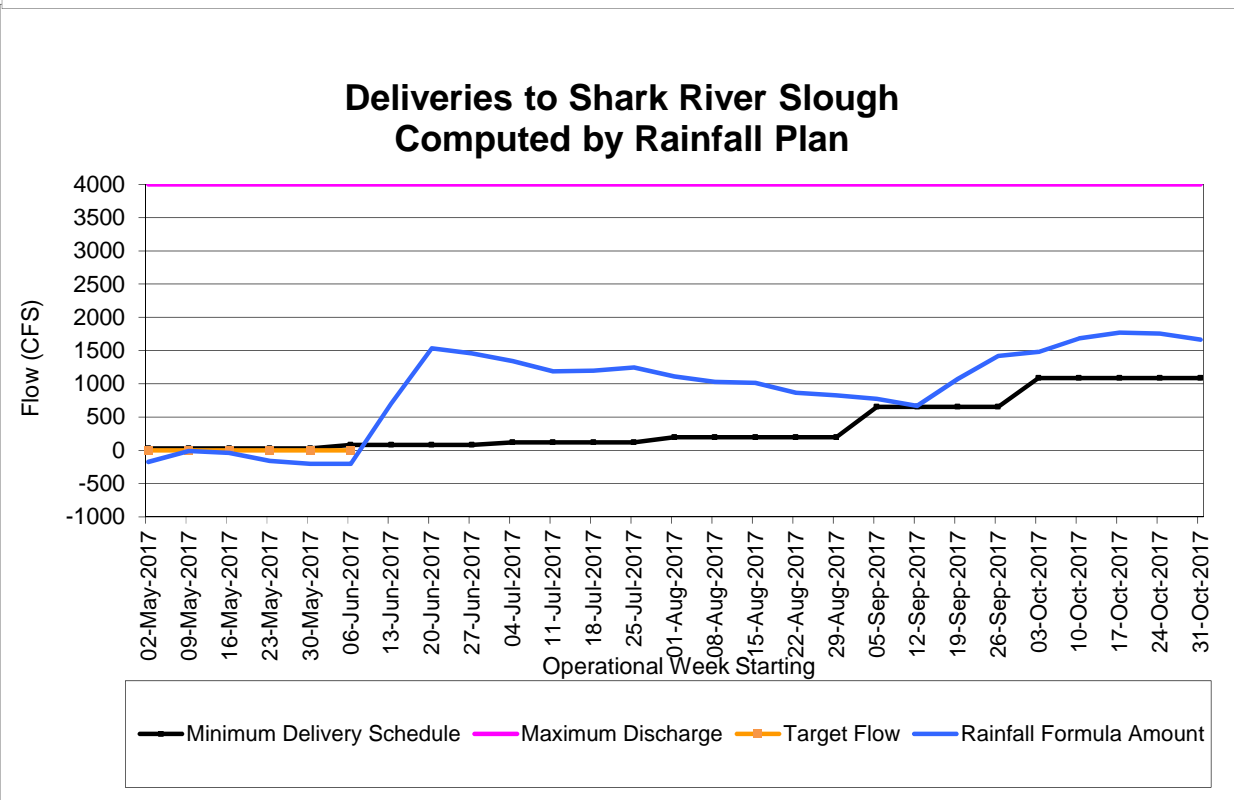
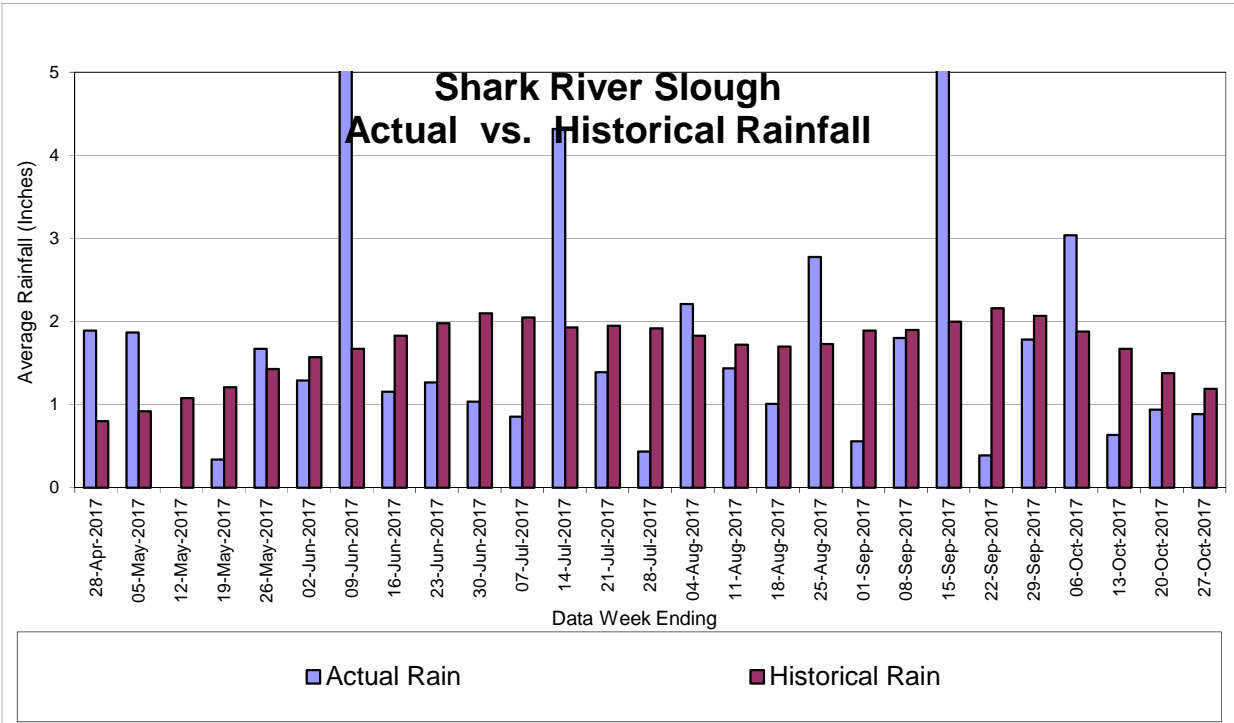
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.91 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1664 cfs
Last Week's Rainfall Formula	1757 cfs
Pre-project Mean Discharge	1220 cfs
Rainfall Excess Terms	
RL1 -1.47	RL2 -2.75
	RL3 4.53

**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

	<b>Target Flow November 7, 2017</b>	<b>to</b>	<b>November 13, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>October 28, 2017</b>	<b>to</b>	<b>November 3, 2017</b>
WCA-3A Stage (end of week)	12.33		ft. msl
Angel's	7.55		ft. msl
G-3273	7.79		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.69	1.02
S-140		2.54
ENP		M
-----		
This Week's Avg	2.69	1.78
Pre-Project Avg	0.92	1.02

**-----Transition Zone Information -----**

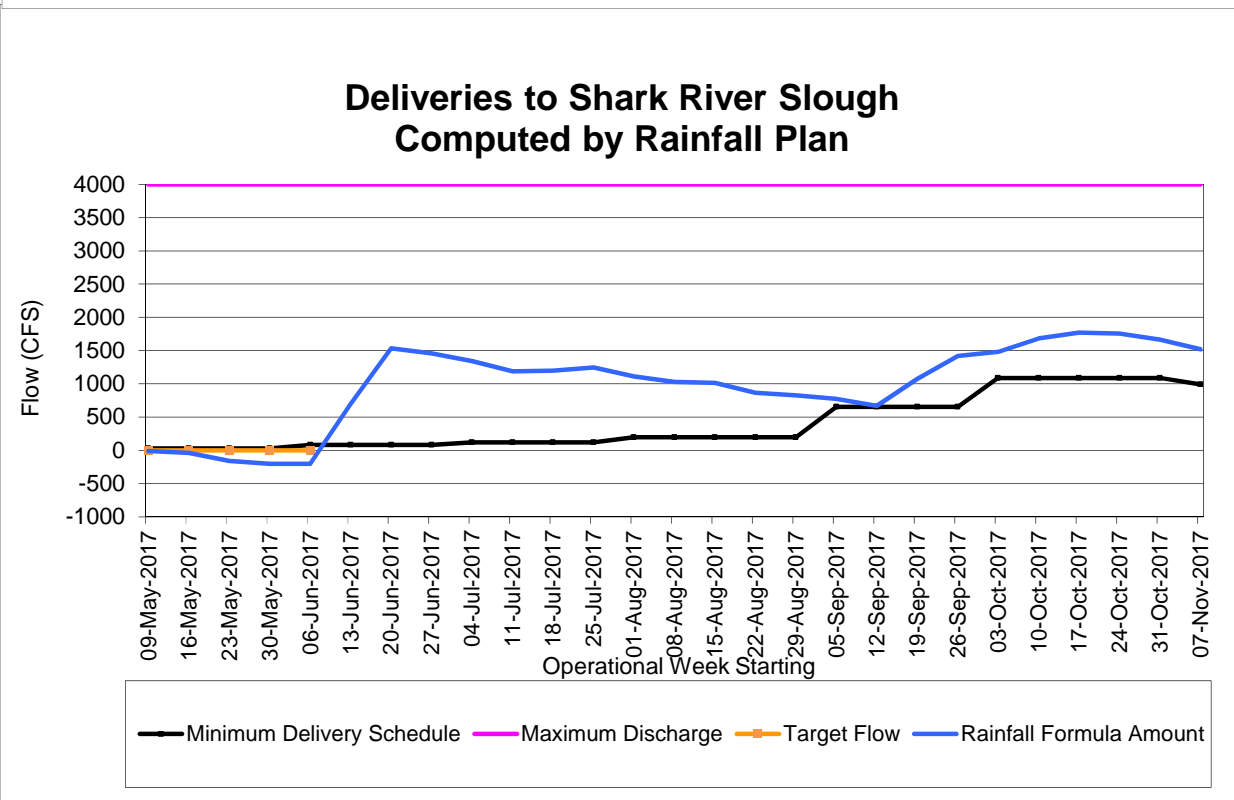
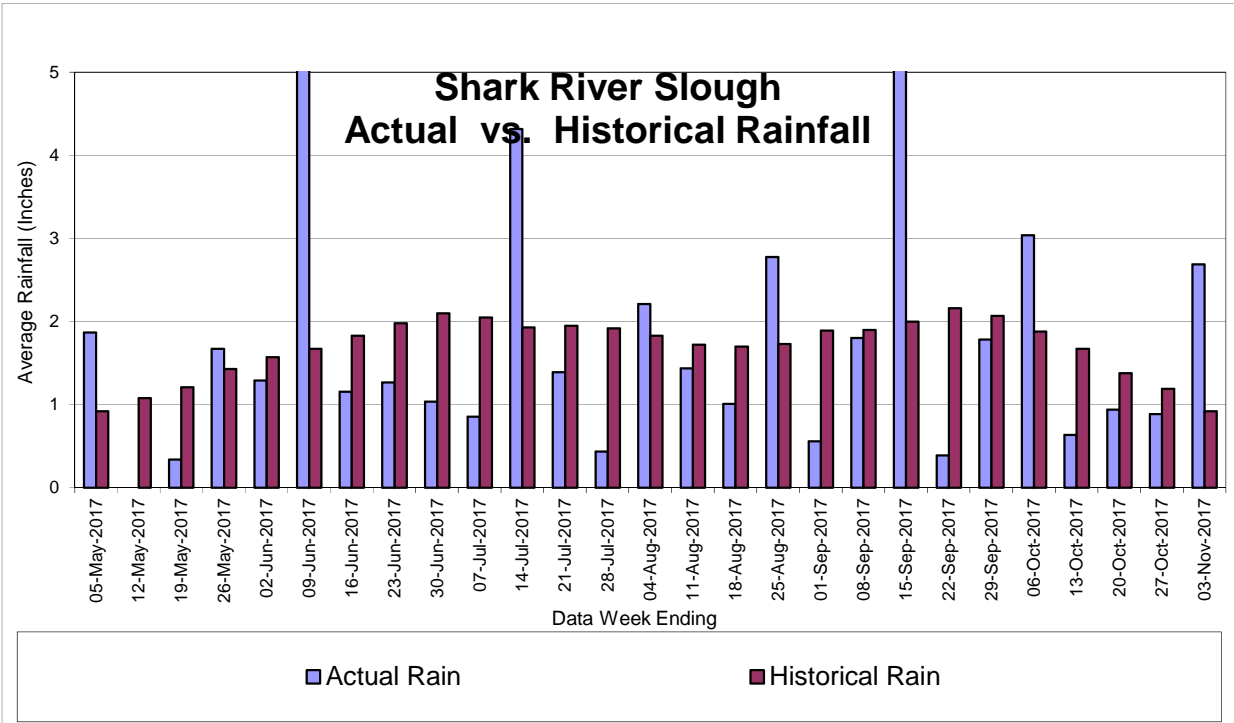
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.83 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1521 cfs
Last Week's Rainfall Formula	1664 cfs
Pre-project Mean Discharge	1084 cfs
Rainfall Excess Terms	
RL1 0.29	RL2 -1.27
	RL3 1.47

**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

	<b>Target Flow November 14, 2017</b>	<b>to</b>	<b>November 20, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

<b>-----Data Summary -----</b>	<b>November 4, 2017</b>	<b>to</b>	<b>November 10, 2017</b>
WCA-3A Stage (end of week)	12.12		ft. msl
Angel's	7.36		ft. msl
G-3273	7.69		ft. msl

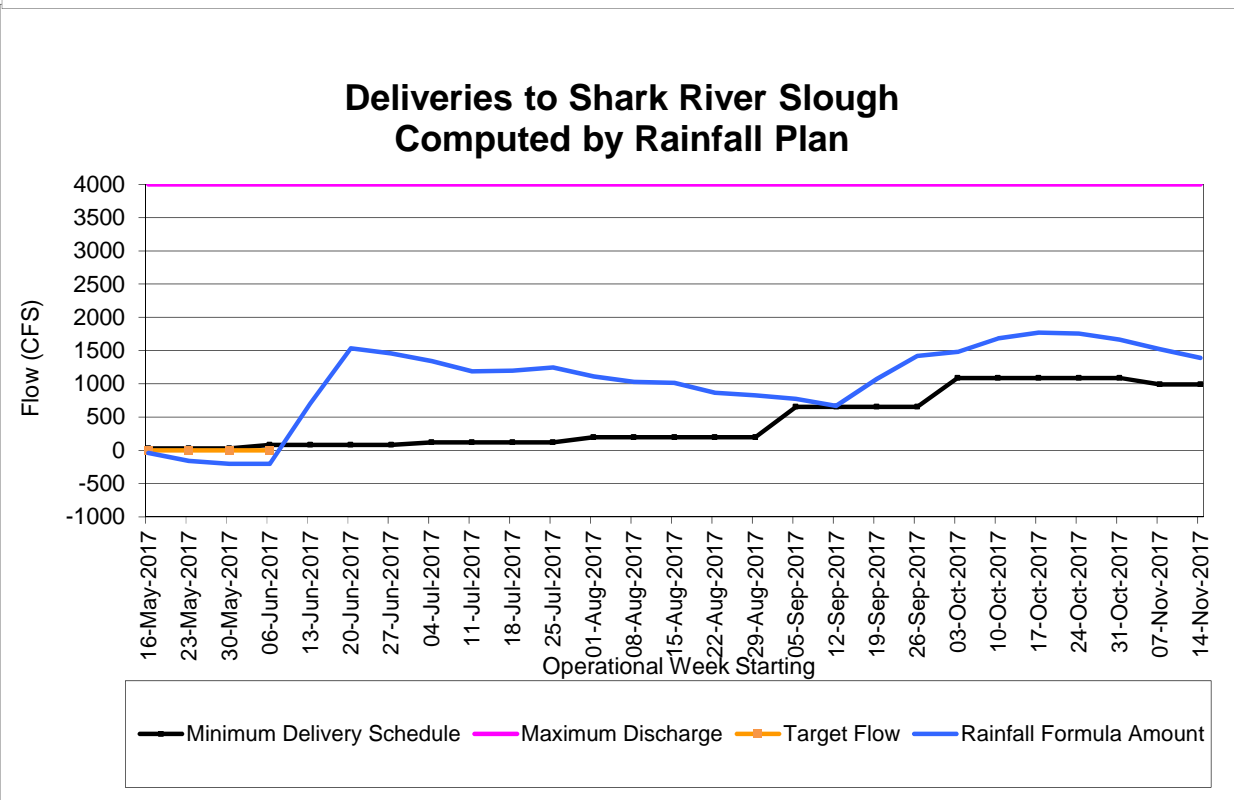
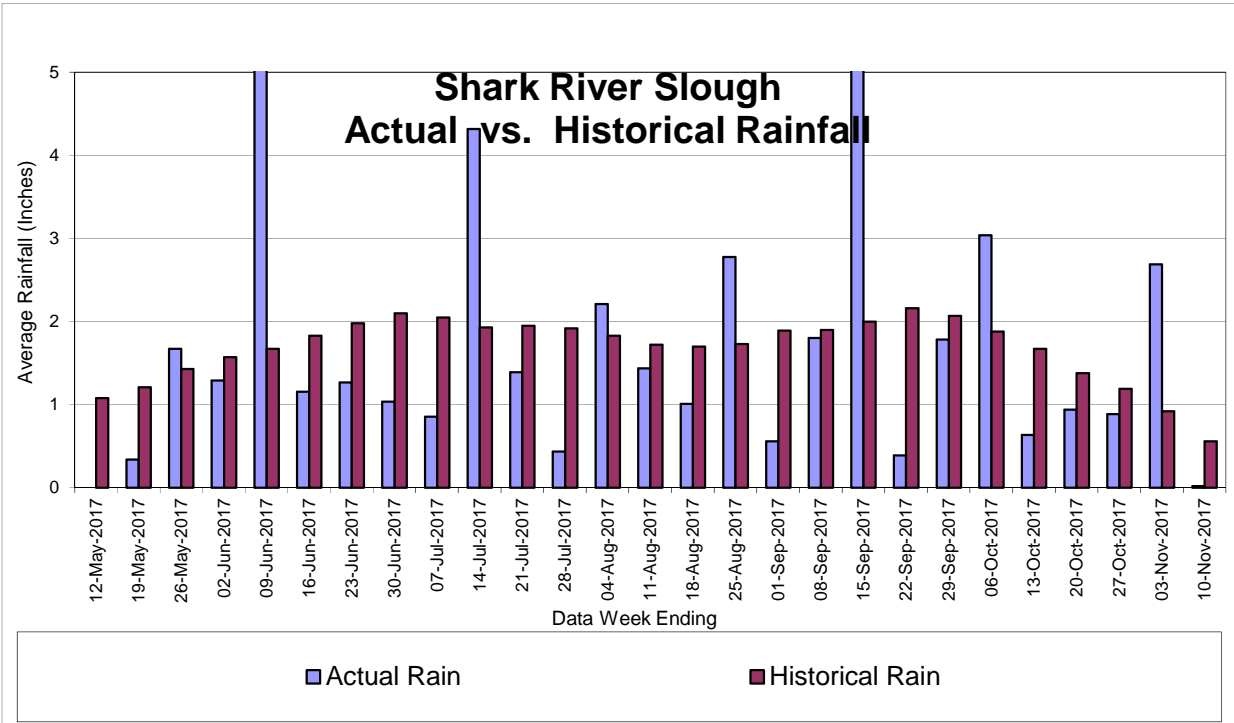
<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.02	1.12
S-140		1.14
ENP		M
-----		
This Week's Avg	0.02	1.13
Pre-Project Avg	0.56	0.97

<b>-----Transition Zone Information -----</b>		
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.62 feet
Distance to Top of Current Zone	N/A	feet

<b>-----Statistical Parameters -----</b>		
Rainfall Formula Amount		1391 cfs
Last Week's Rainfall Formula		1521 cfs
Pre-project Mean Discharge		937 cfs
Rainfall Excess Terms	RL1 0.50	RL2 -1.61
		RL3 2.56

**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

	<b>Target Flow November 21, 2017</b>	<b>to</b>	<b>November 27, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>November 11, 2017</b>	<b>to</b>	<b>November 17, 2017</b>
WCA-3A Stage (end of week)	11.88		ft. msl
Angel's	7.44		ft. msl
G-3273	7.75		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.19	0.89
S-140		1.73
ENP		M
-----		
This Week's Avg	0.19	1.31
Pre-Project Avg	0.40	0.91

**-----Transition Zone Information -----**

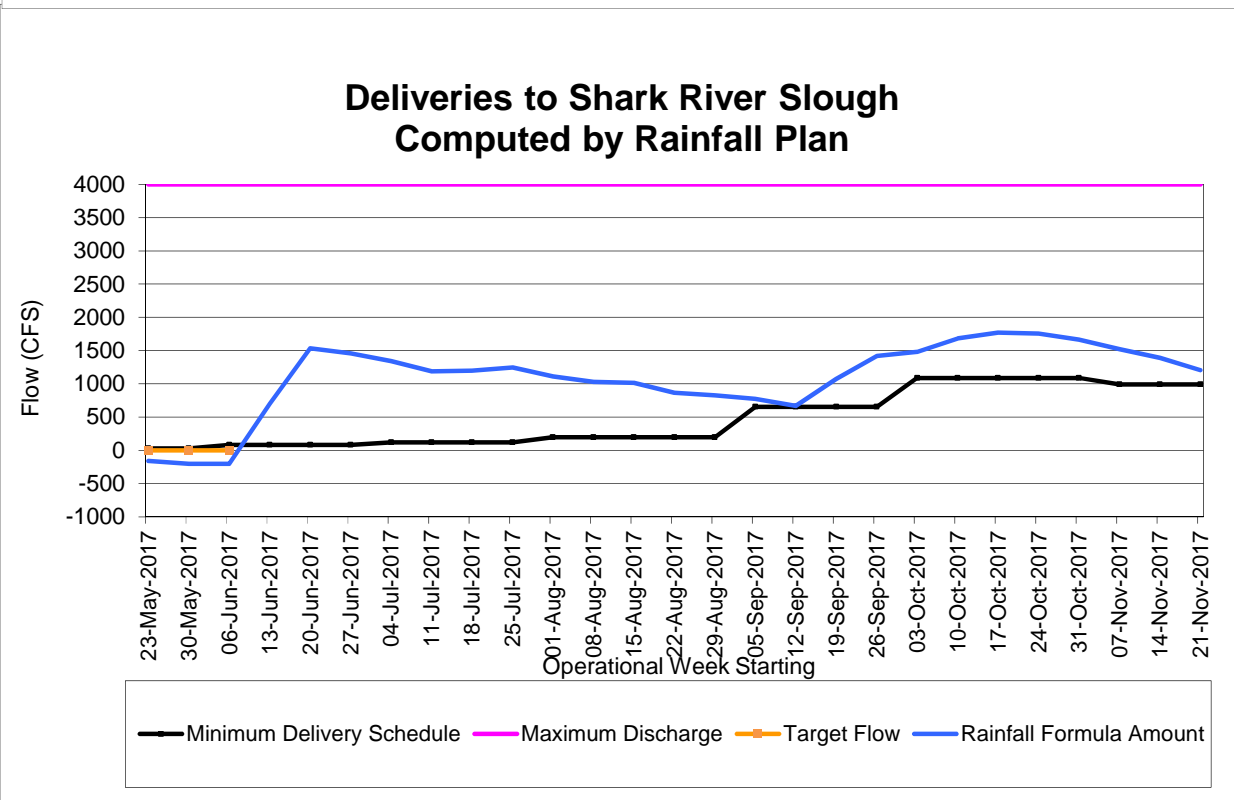
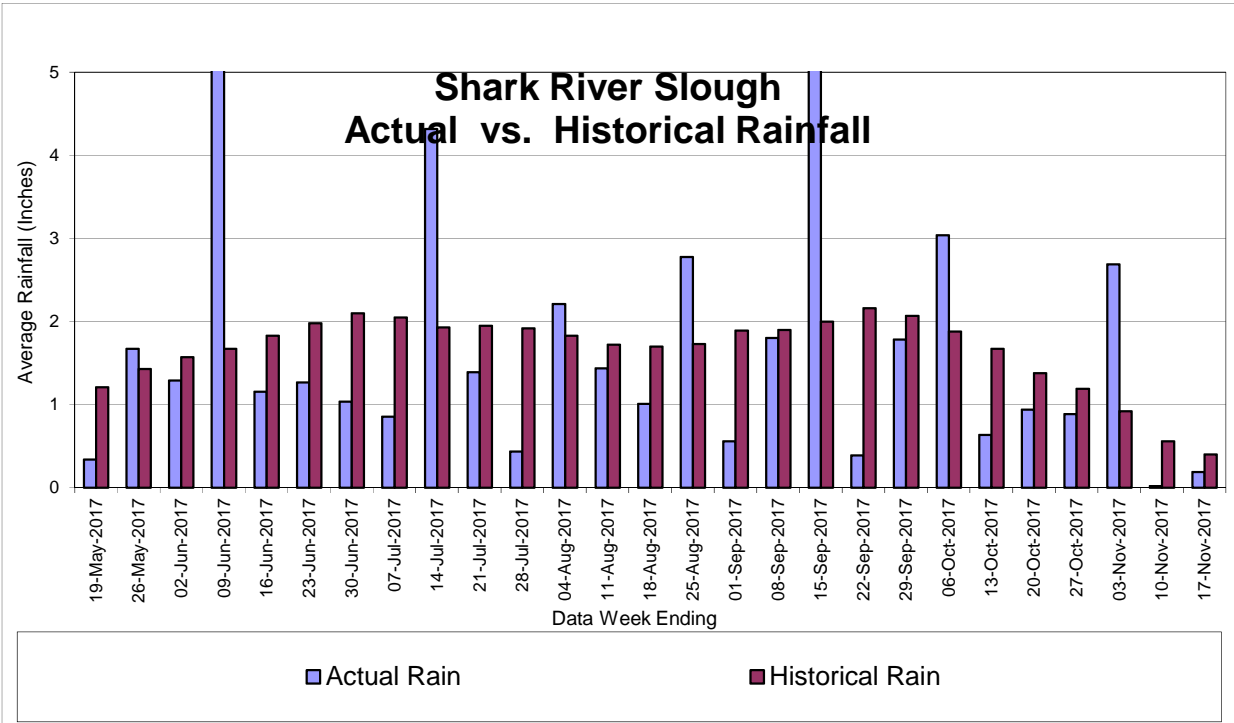
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.38 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	1208 cfs
Last Week's Rainfall Formula	1391 cfs
Pre-project Mean Discharge	820 cfs
Rainfall Excess Terms	
RL1 -1.19	RL2 -1.47
	RL3 4.13

**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.**



## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

	<b>Target Flow November 28, 2017</b>	<b>to</b>	<b>December 4, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

<b>-----Data Summary -----</b>	<b>November 18, 2017</b>	<b>to</b>	<b>November 24, 2017</b>
WCA-3A Stage (end of week)	11.67		ft. msl
Angel's	7.23		ft. msl
G-3273	7.64		ft. msl

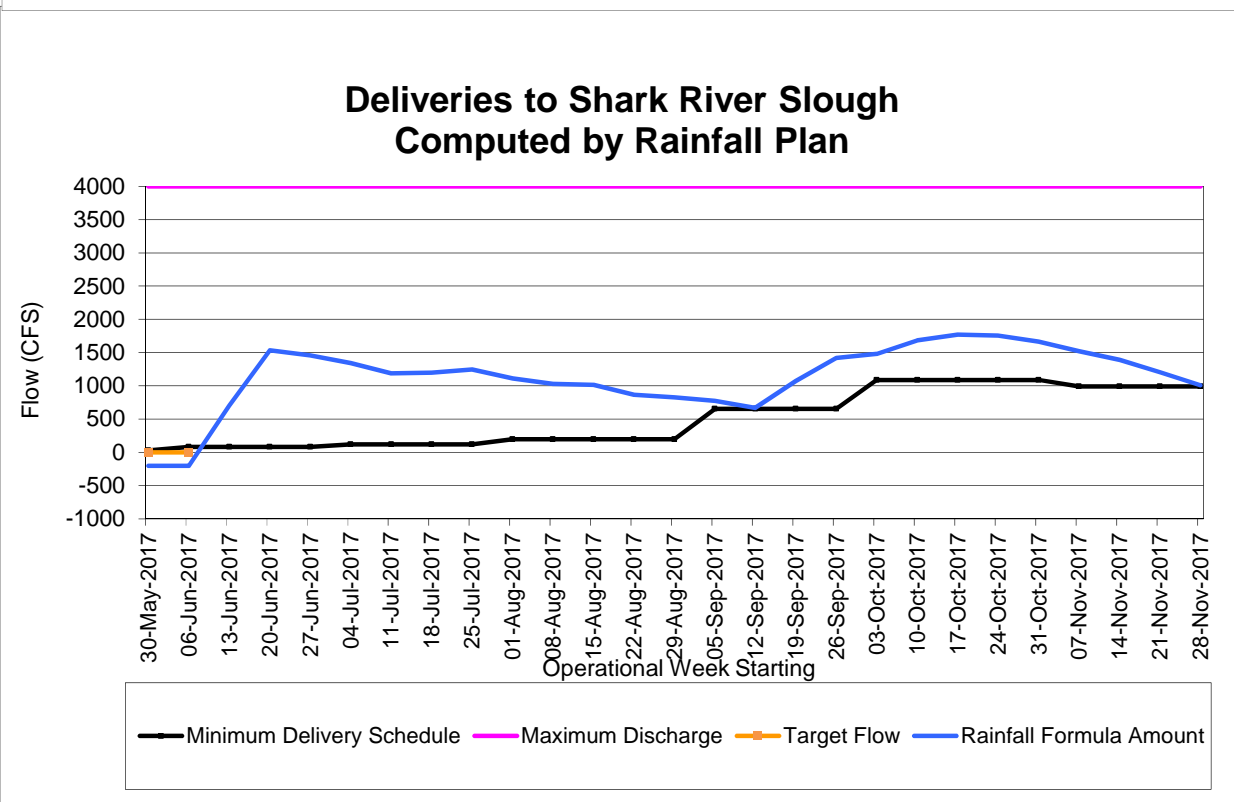
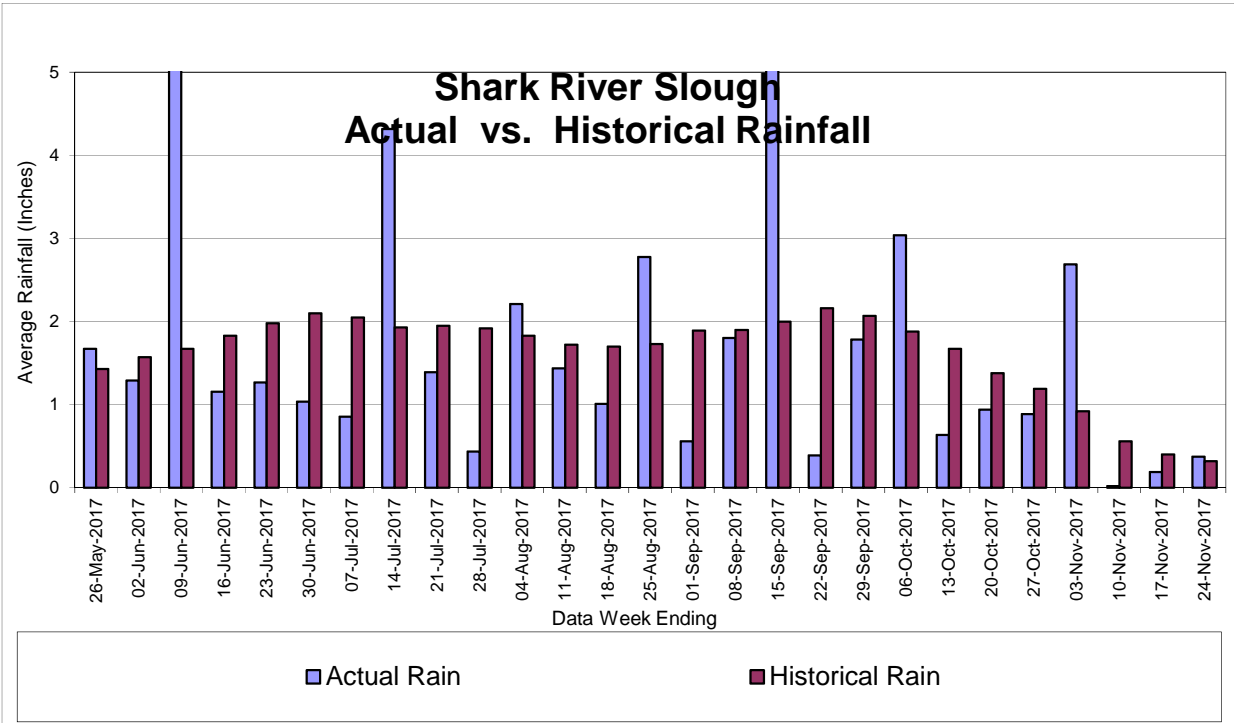
<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.37	1.00
S-140		1.00
ENP		M
-----		
This Week's Avg	0.37	1.00
Pre-Project Avg	0.32	0.87

<b>-----Transition Zone Information -----</b>		
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-1.17 feet
Distance to Top of Current Zone	N/A	feet

<b>-----Statistical Parameters -----</b>		
Rainfall Formula Amount		1011 cfs
Last Week's Rainfall Formula		1208 cfs
Pre-project Mean Discharge		689 cfs
Rainfall Excess Terms	RL1 -0.58	RL2 -0.97
		RL3 -2.75

**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

	<b>Target Flow December 5, 2017</b>	<b>to</b>	<b>December 11, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>November 25, 2017</b>	<b>to</b>	<b>December 1, 2017</b>
WCA-3A Stage (end of week)	11.43		ft. msl
Angel's	7.03		ft. msl
G-3273	7.58		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.18	1.12
S-140		0.97
ENP		M
-----		
This Week's Avg	0.18	1.05
Pre-Project Avg	0.29	0.82

**-----Transition Zone Information -----**

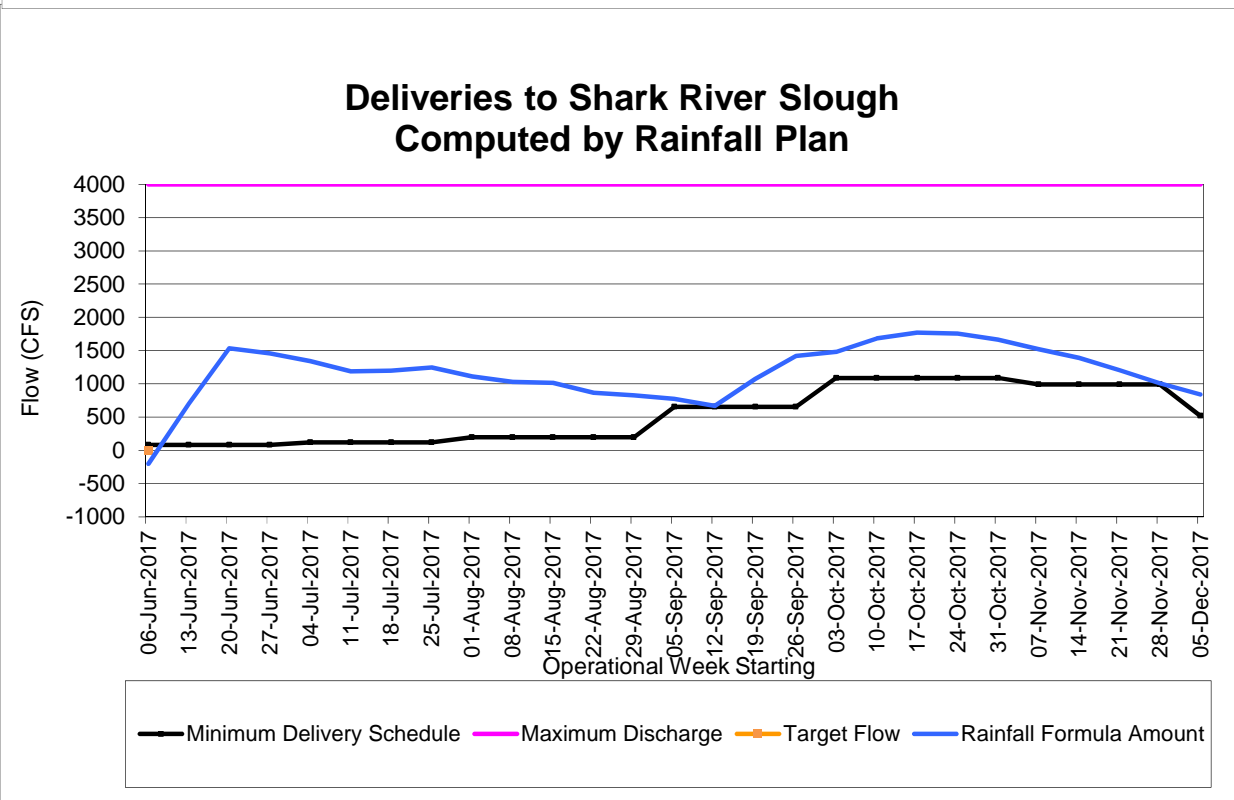
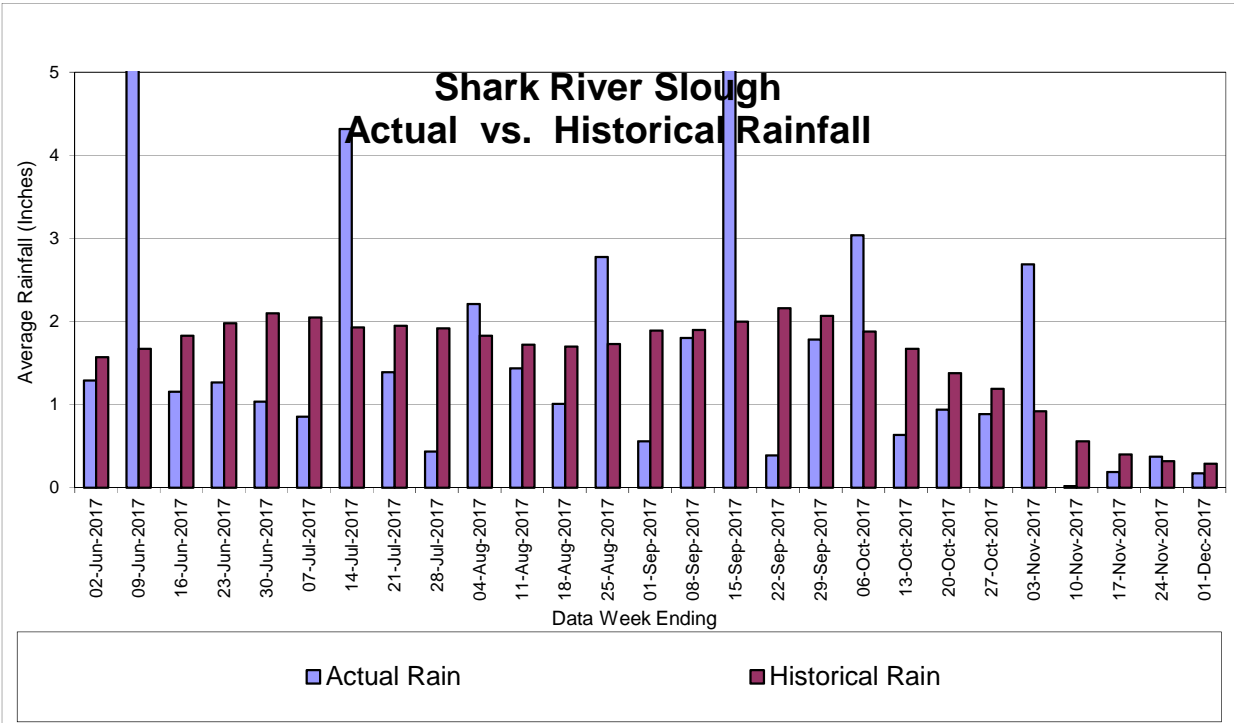
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-0.93 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	840 cfs
Last Week's Rainfall Formula	1011 cfs
Pre-project Mean Discharge	566 cfs
Rainfall Excess Terms	
RL1 -0.34	RL2 -0.90
	RL3 -1.27

**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

	<b>Target Flow December 12, 2017</b>	<b>to</b>	<b>December 18, 2017</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

<b>-----Data Summary -----</b>	<b>December 2, 2017</b>	<b>to</b>	<b>December 8, 2017</b>	
WCA-3A Stage (end of week)	11.23		ft. msl	
Angel's	6.84		ft. msl	
G-3273	7.54		ft. msl	

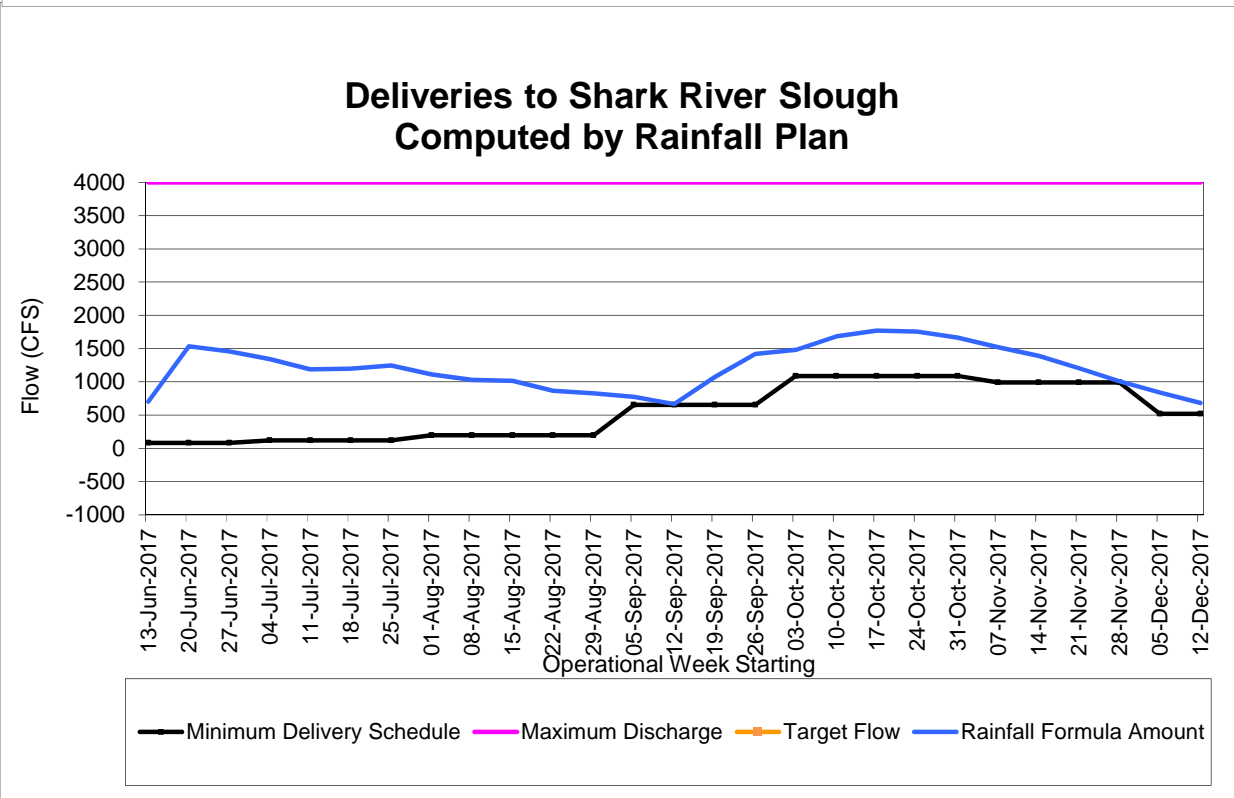
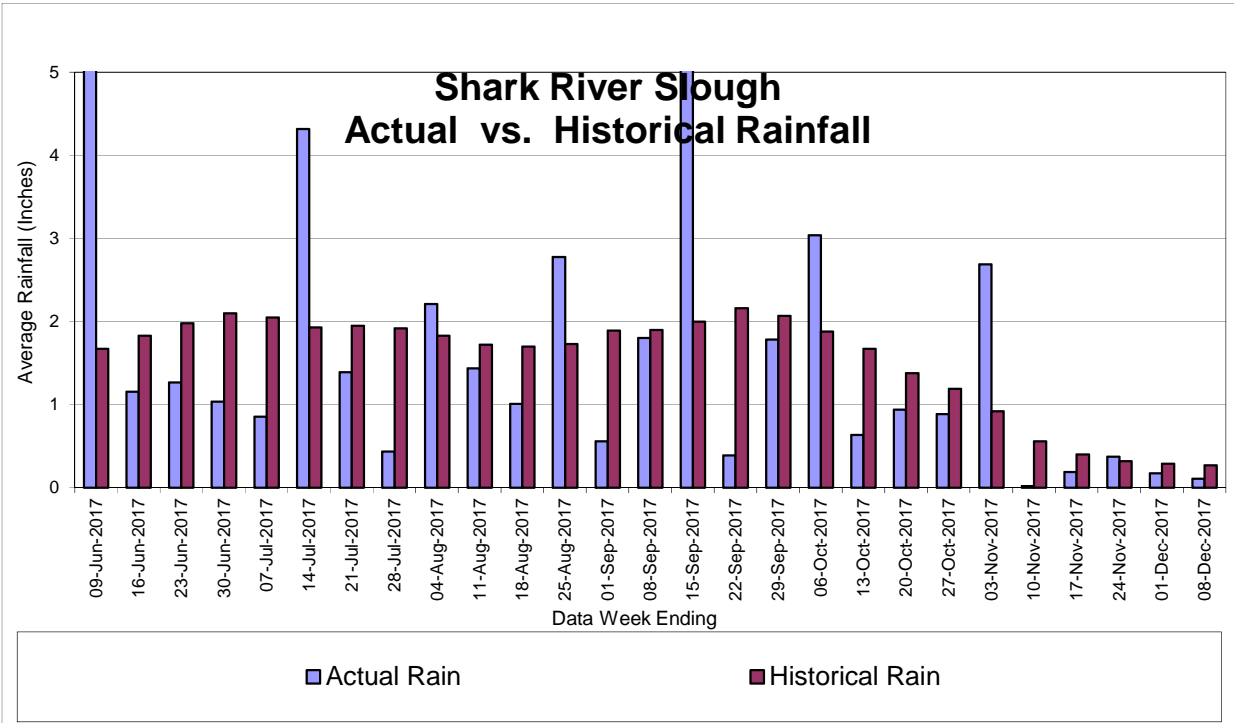
<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.11	0.80
S-140		0.92
ENP		M
-----		
This Week's Avg	0.11	0.86
Pre-Project Avg	0.27	0.80

<b>-----Transition Zone Information -----</b>		
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-0.73 feet
Distance to Top of Current Zone	N/A	feet

<b>-----Statistical Parameters -----</b>		
Rainfall Formula Amount		684 cfs
Last Week's Rainfall Formula		840 cfs
Pre-project Mean Discharge		462 cfs
Rainfall Excess Terms		
	RL1 -0.50	RL2 -0.08
		RL3 -1.61

**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 December 19, 2017	to	December 25, 2017	<b>MAX</b>	cfs
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

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

	December 9, 2017	to	December 15, 2017
WCA-3A Stage (end of week)	11.01		ft. msl
Angel's	6.87		ft. msl
G-3273	7.57		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	0.85
S-140		0.85
ENP		M
-----		
This Week's Avg	0.00	0.85
Pre-Project Avg	0.24	0.78

-----Transition Zone Information -----

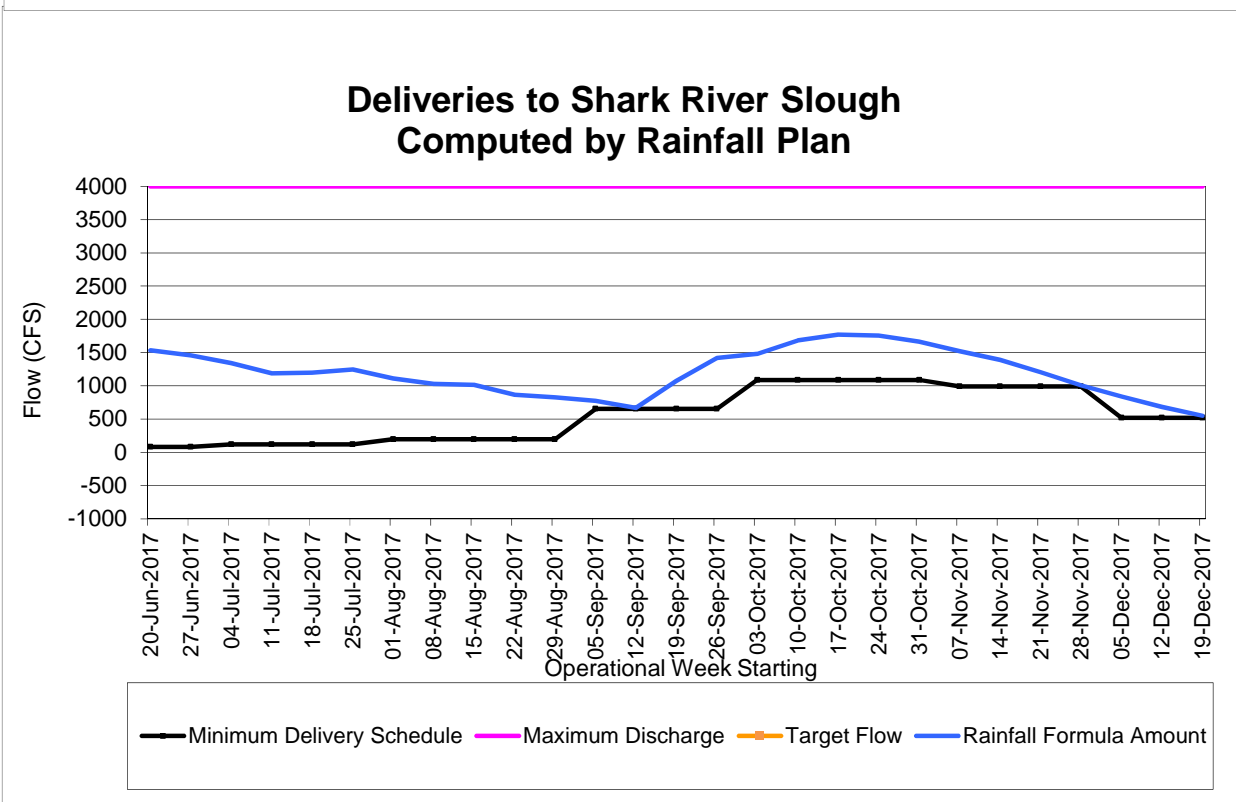
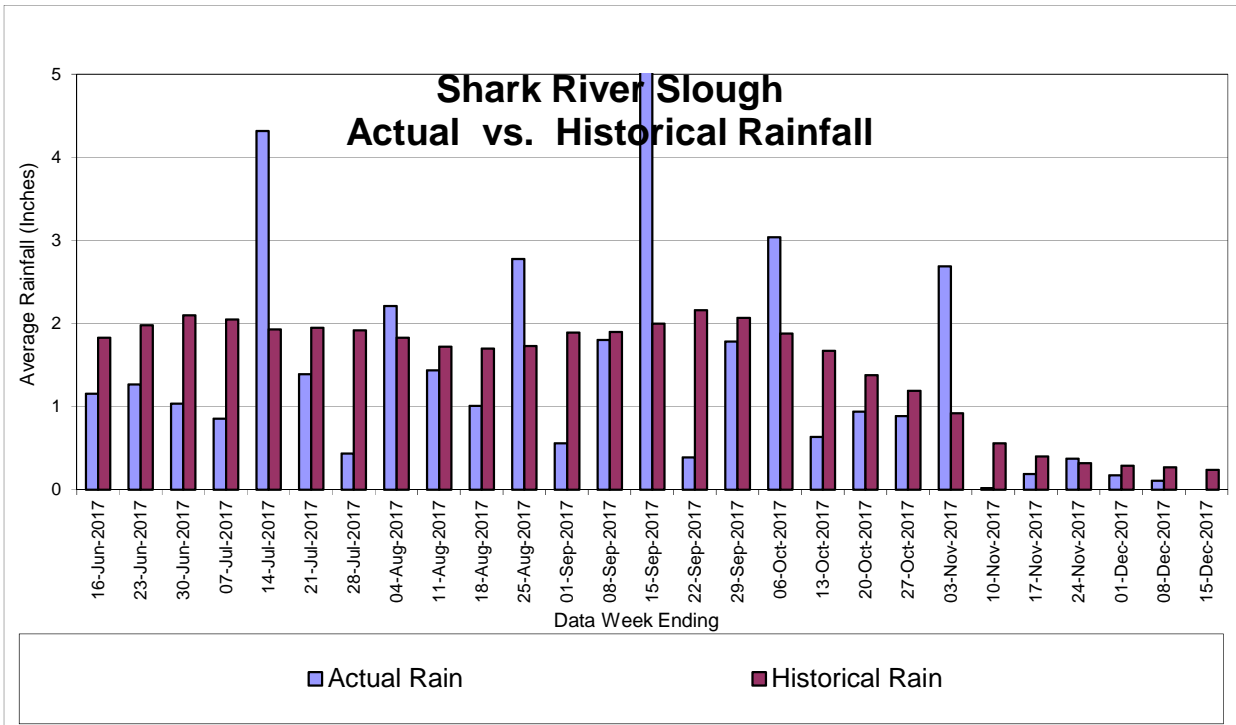
<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-0.51 feet
Distance to Top of Current Zone	N/A	feet

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

Rainfall Formula Amount	551 cfs
Last Week's Rainfall Formula	684 cfs
Pre-project Mean Discharge	376 cfs
Rainfall Excess Terms	
RL1 -0.50	RL2 -1.54
	RL3 -1.47

**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

	<b>Target Flow January 2, 2018</b>	<b>to</b>	<b>January 8, 2018</b>	<b>MAX</b>	<b>cfs</b>
S-12 Discharge			MAX		cfs
S-333 Discharge			MAX		cfs

**-----Data Summary -----**

	<b>December 23, 2017</b>	<b>to</b>	<b>December 29, 2017</b>
WCA-3A Stage (end of week)	10.60		ft. msl
Angel's	6.82		ft. msl
G-3273	7.52		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.01	0.71
S-140		0.98
ENP		M
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This Week's Avg	0.01	0.84
Pre-Project Avg	0.24	0.75

**-----Transition Zone Information -----**

<b>WCA-3A is in Zone A</b>	<b>Discharge Coeff. (cfs/ft) =</b>	<b>MAX</b>
Supplemental discharge is	MAX	cfs
Distance to Bottom of Current Zone		-0.10 feet
Distance to Top of Current Zone	N/A	feet

**-----Statistical Parameters -----**

Rainfall Formula Amount	373 cfs
Last Week's Rainfall Formula	452 cfs
Pre-project Mean Discharge	281 cfs
Rainfall Excess Terms	
RL1 -0.53	RL2 -0.85
	RL3 -0.90

**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.**

