

## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow July 9, 2013 to July 15, 2013 MAX cfs

S-12 Discharge MAX cfs  
 S-333 Discharge MAX cfs

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

	June 28, 2013	to	July 5, 2013
WCA-3A Stage (end of week)	10.45		ft. msl
Angel's	6.69		ft. msl
G3273	6.91		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.33	1.60
S-140		1.75
ENP		M

This Week's Avg	2.33	1.68
Pre-Project Avg	2.05	1.45

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

**WCA-3A is in Zone A**

Supplemental discharge is	MAX	cfs
Distance to Top of Zone E		-1.63 feet
Distance to Bottom of Regulatory Zone		-0.72 feet

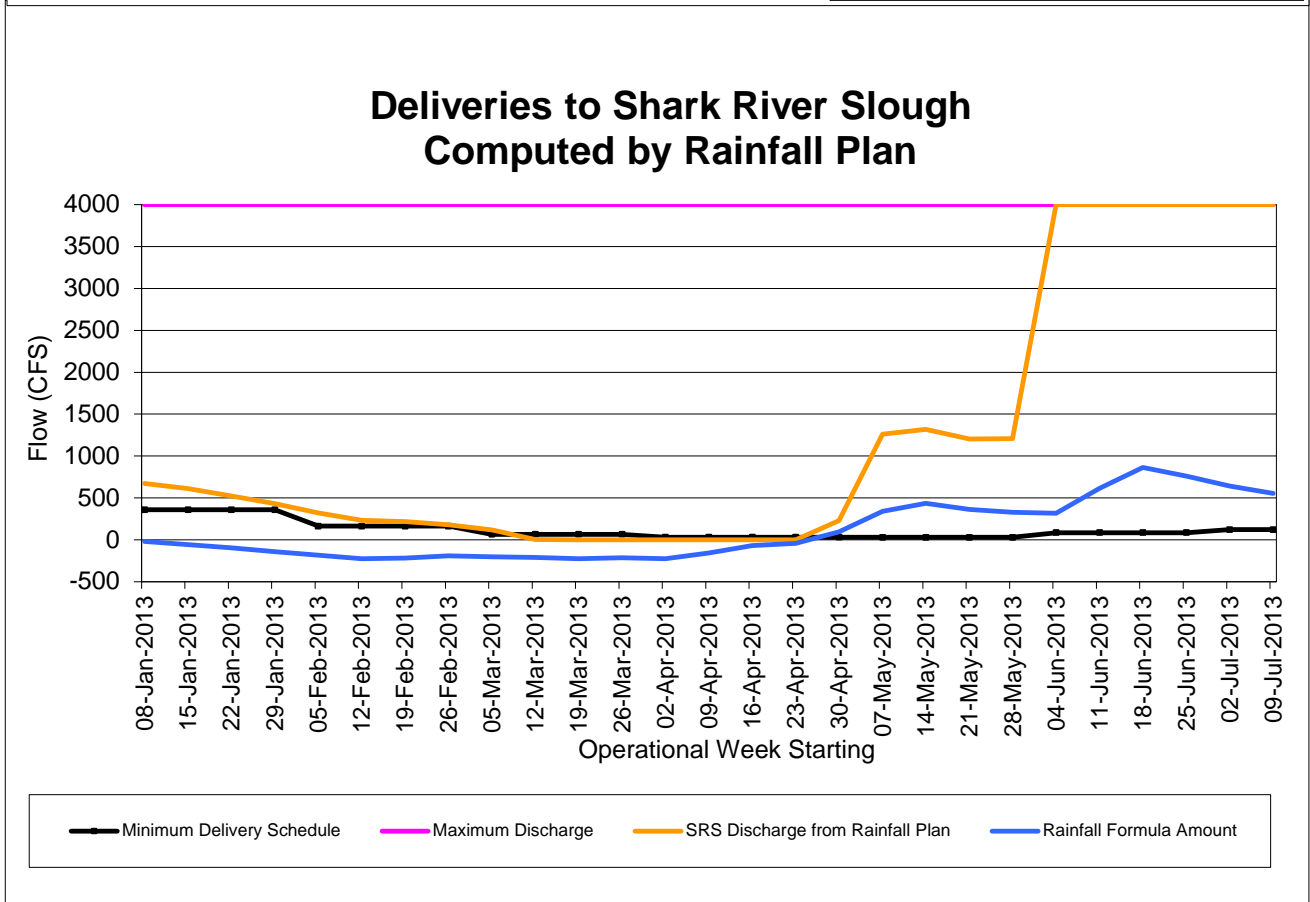
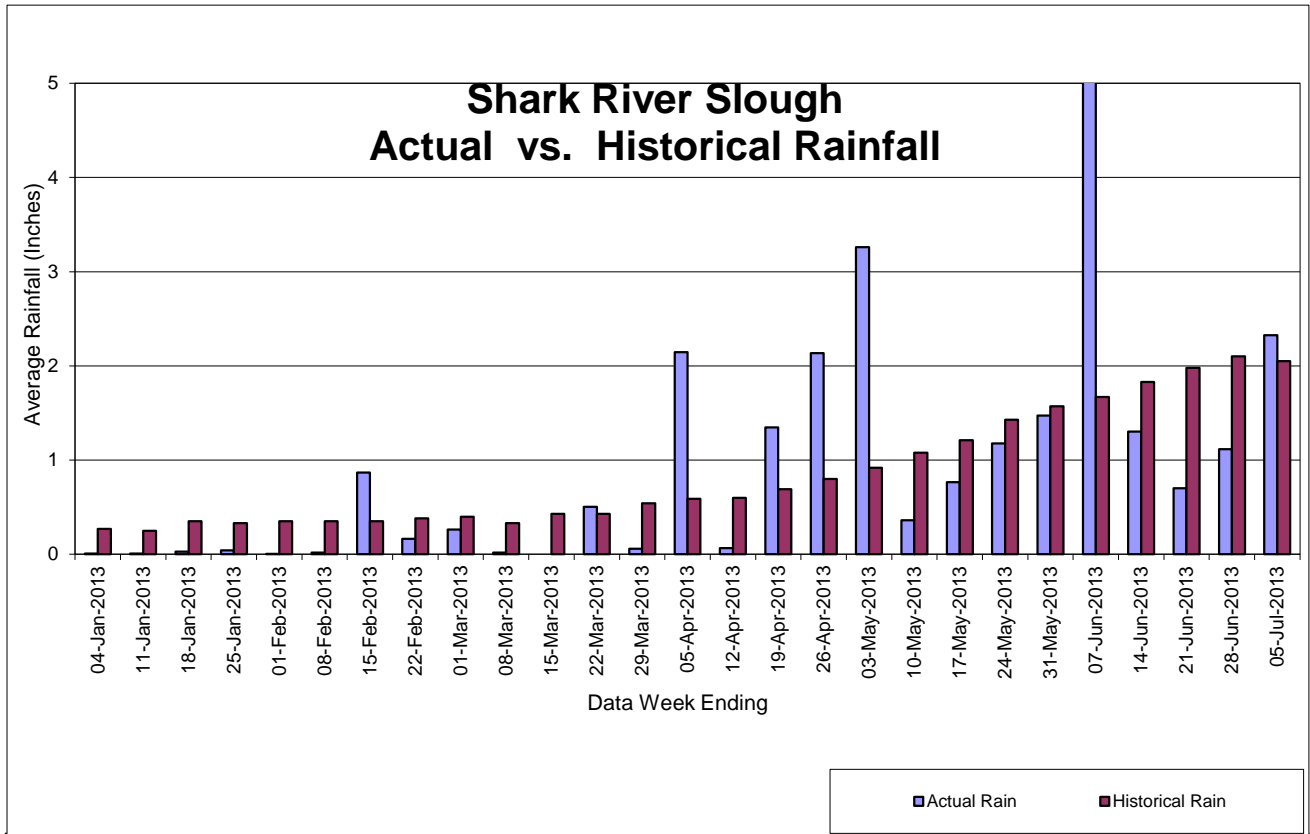
### ----- Statistical Parameters -----

Rainfall Formula Amount	553 cfs
Last Week's Rainfall Formula	622 cfs
Pre-Project Mean Discharge	111 cfs

Rainfall Excess Terms	RL1 -1.18	RL2 1.89	RL3 0.70
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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 July 2, 2013 to July 8, 2013 MAX cfs

S-12 Discharge MAX cfs  
 S-333 Discharge MAX cfs

----- Data Summary ----- June 21, 2013 to June 28, 2013

WCA-3A Stage (end of week) 10.28 ft. msl  
 Angel's 6.06 ft. msl  
 G3273 6.67 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.12	2.09
S-140		1.61
ENP		M

This Week's Avg	1.12	1.85
Pre-Project Avg	2.10	1.49

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

**WCA-3A is in Zone A**

Supplemental discharge is MAX cfs  
 Distance to Top of Zone E -1.42 feet  
 Distance to Bottom of Regulatory Zone -0.60 feet

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

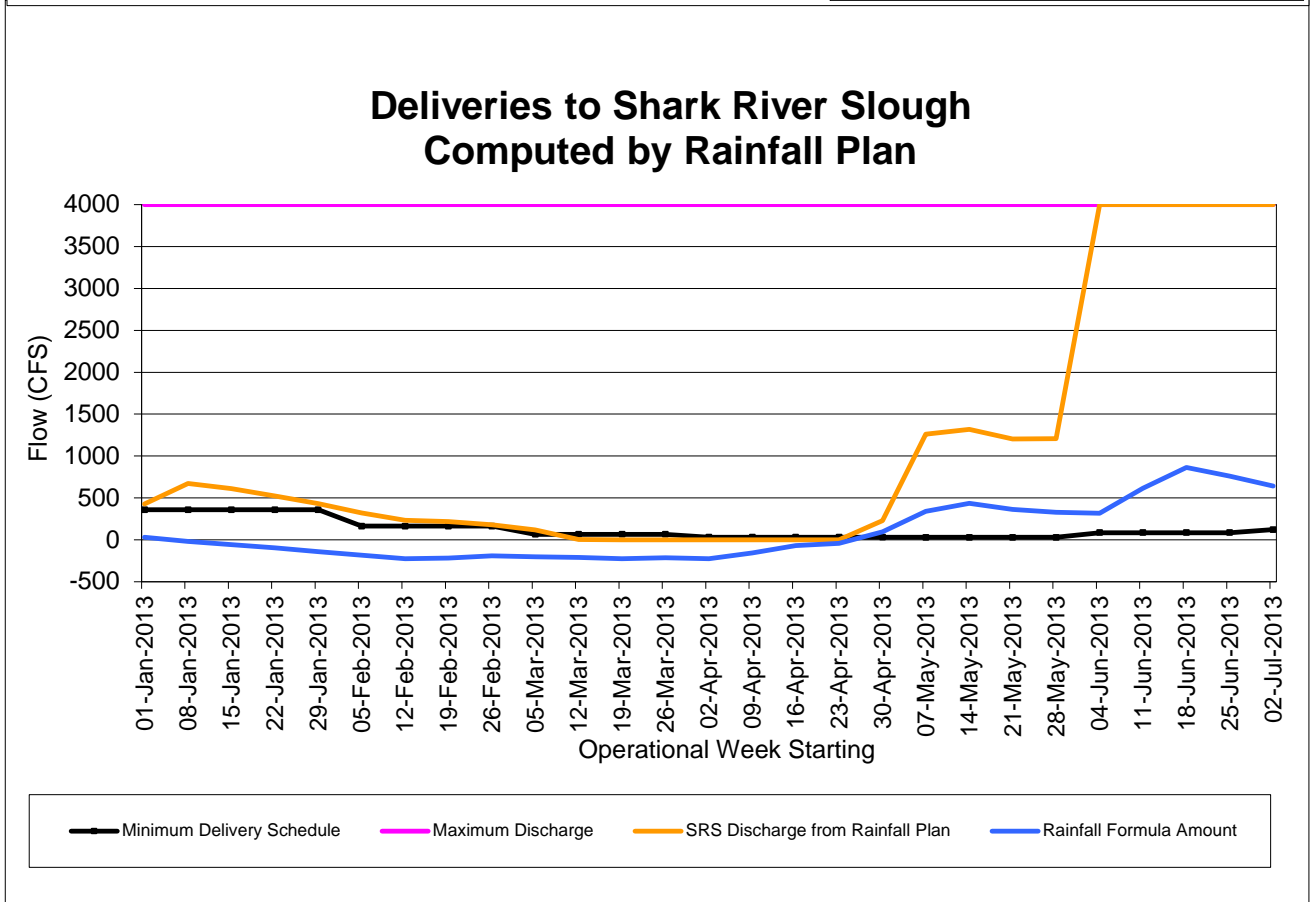
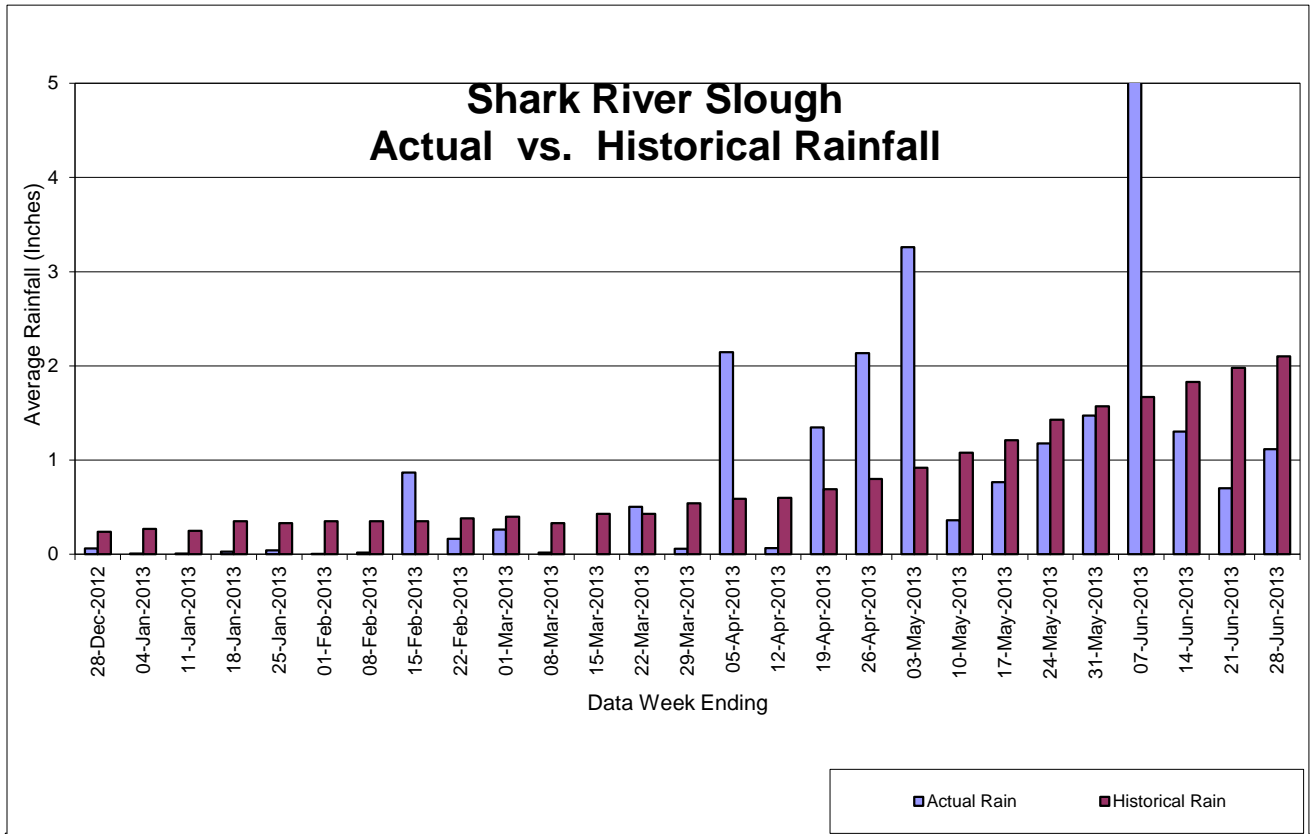
Rainfall Formula Amount 641 cfs  
 Last Week's Rainfall Formula 761 cfs  
 Pre-Project Mean Discharge 94 cfs

Rainfall Excess Terms

RL1 -2.37 RL2 3.14 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

Target Flow June 25, 2013 to July 1, 2013 MAX cfs

S-12 Discharge MAX cfs  
 S-333 Discharge MAX cfs

----- Data Summary -----  
 June 14, 2013 to June 21, 2013  
 WCA-3A Stage (end of week) 10.23 ft. msl  
 Angel's 6.06 ft. msl  
 G3273 6.69 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.70	1.83

S-140		1.66
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ENP		M
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This Week's Avg	0.70	1.74
Pre-Project Avg	1.98	1.51

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

#### WCA-3A is in Zone A

Supplemental discharge is	MAX	cfs
Distance to Top of Zone E		-1.32 feet
Distance to Bottom of Regulatory Zone		-0.59 feet

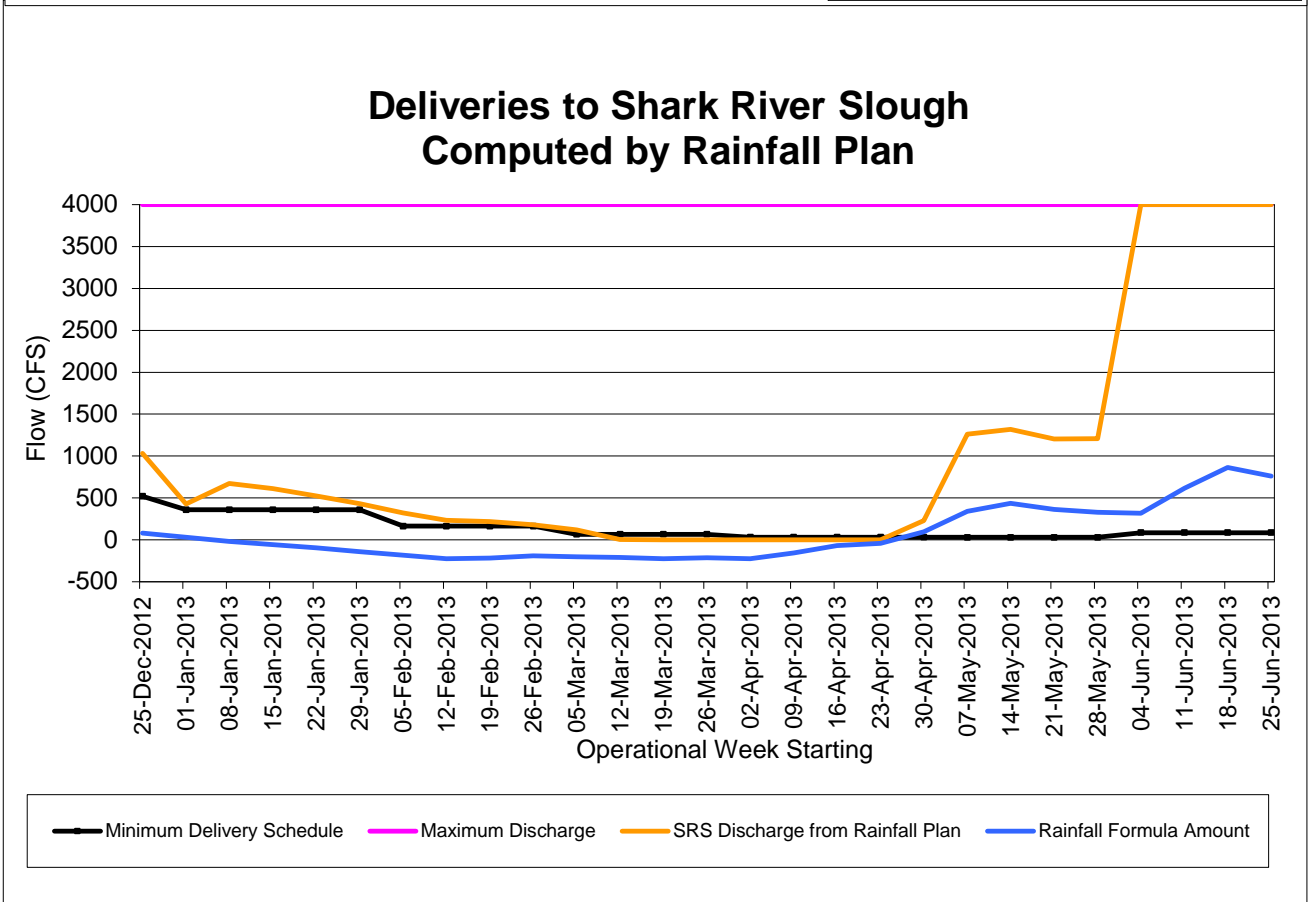
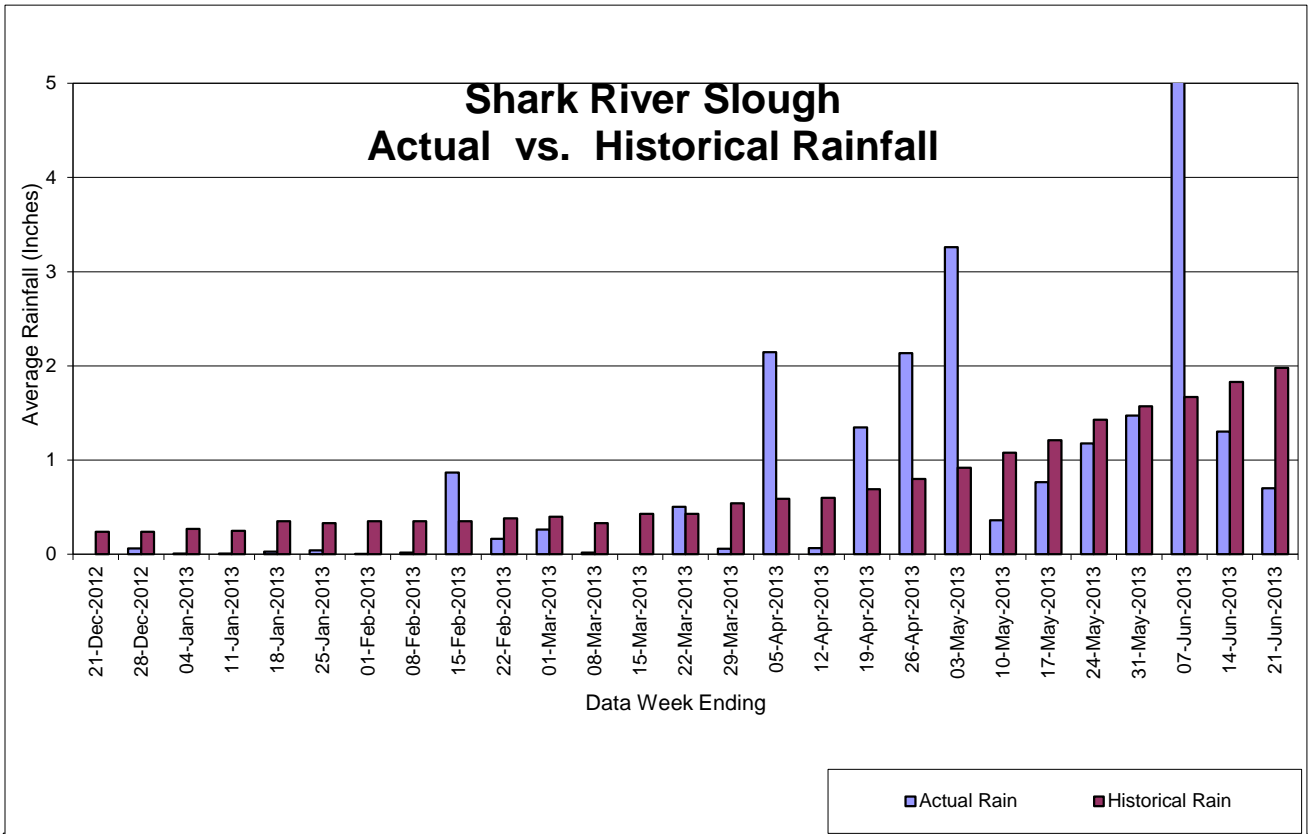
### ----- Statistical Parameters -----

Rainfall Formula Amount	761 cfs
Last Week's Rainfall Formula	863 cfs
Pre-Project Mean Discharge	75 cfs

Rainfall Excess Terms	RL1 -2.10	RL2 3.23	RL3 3.33
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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 June 18, 2013 to June 24, 2013 MAX cfs

S-12 Discharge MAX cfs  
 S-333 Discharge MAX cfs

----- Data Summary -----  
 June 7, 2013 to June 14, 2013  
 WCA-3A Stage (end of week) 10.14 ft. msl  
 Angel's 6.70 ft. msl  
 G3273 6.86 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.30	1.71
S-140		1.66
ENP		M

This Week's Avg	1.30	1.68
Pre-Project Avg	1.83	1.55

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

**WCA-3A is in Zone A**

Supplemental discharge is MAX cfs  
 Distance to Top of Zone E -1.19 feet  
 Distance to Bottom of Regulatory Zone -0.55 feet

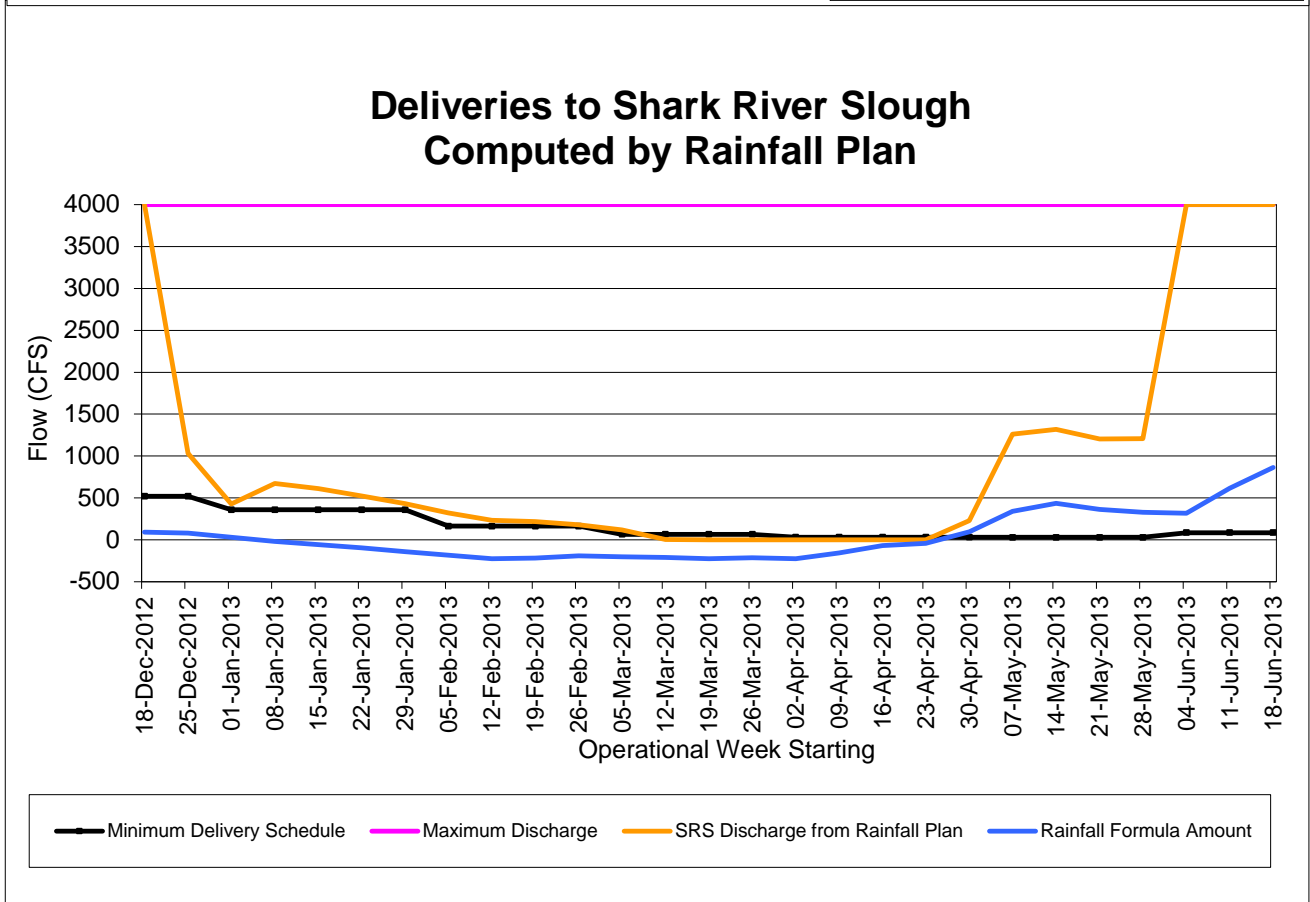
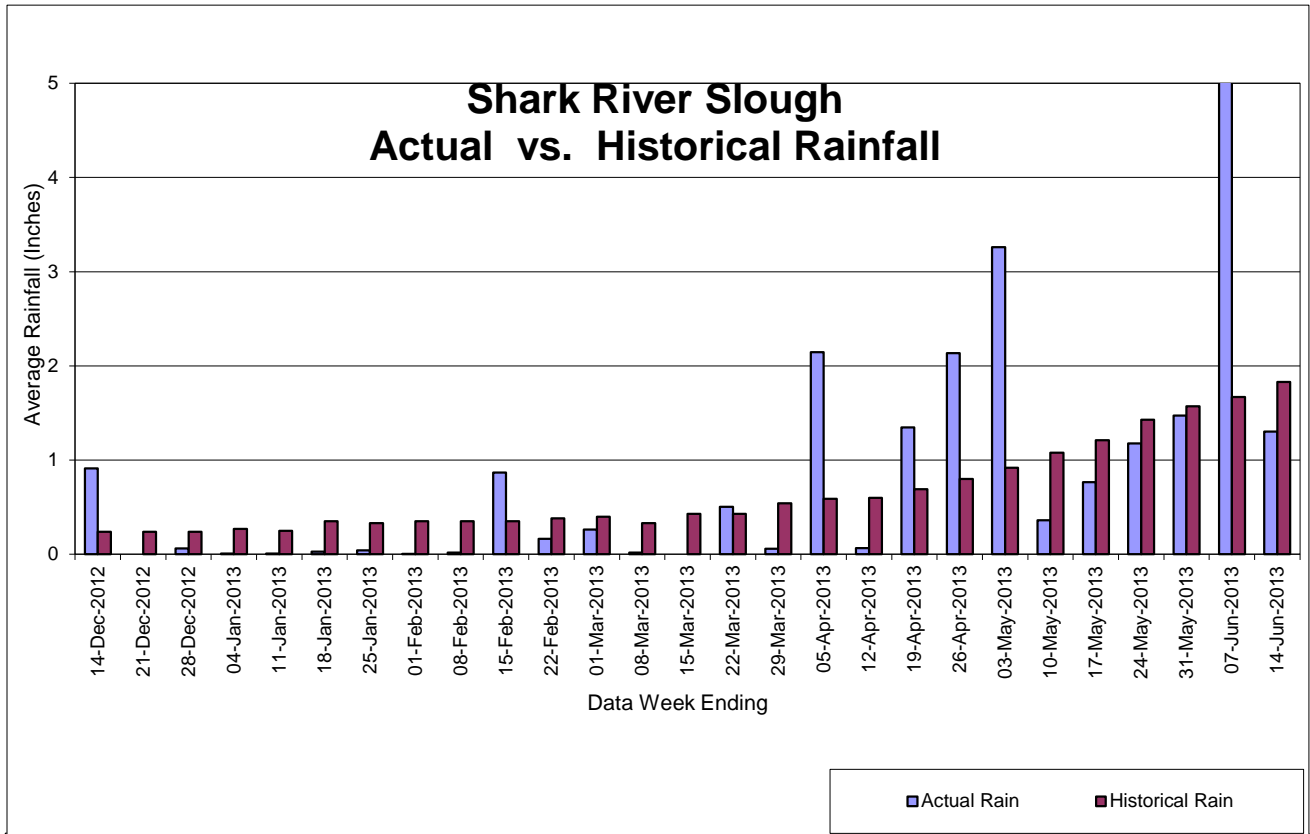
----- Statistical Parameters -----

Rainfall Formula Amount 863 cfs  
 Last Week's Rainfall Formula 615 cfs  
 Pre-Project Mean Discharge 54 cfs

Rainfall Excess Terms  
 RL1 3.57 RL2 -1.86 RL3 3.82

**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 11, 2013 to June 17, 2013 MAX cfs

S-12 Discharge MAX cfs  
 S-333 Discharge MAX cfs

----- Data Summary -----  
May 31, 2013 to June 7, 2013  
 WCA-3A Stage (end of week) 9.93 ft. msl  
 Angel's 6.50 ft. msl  
 G3273 6.85 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	5.90	1.63
S-140		1.62
ENP		M

	5.90	1.63
This Week's Avg	1.67	1.59
Pre-Project Avg		

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

**WCA-3A is in Zone A**

Supplemental discharge is MAX cfs  
 Distance to Top of Zone E -0.93 feet  
 Distance to Bottom of Regulatory Zone -0.38 feet

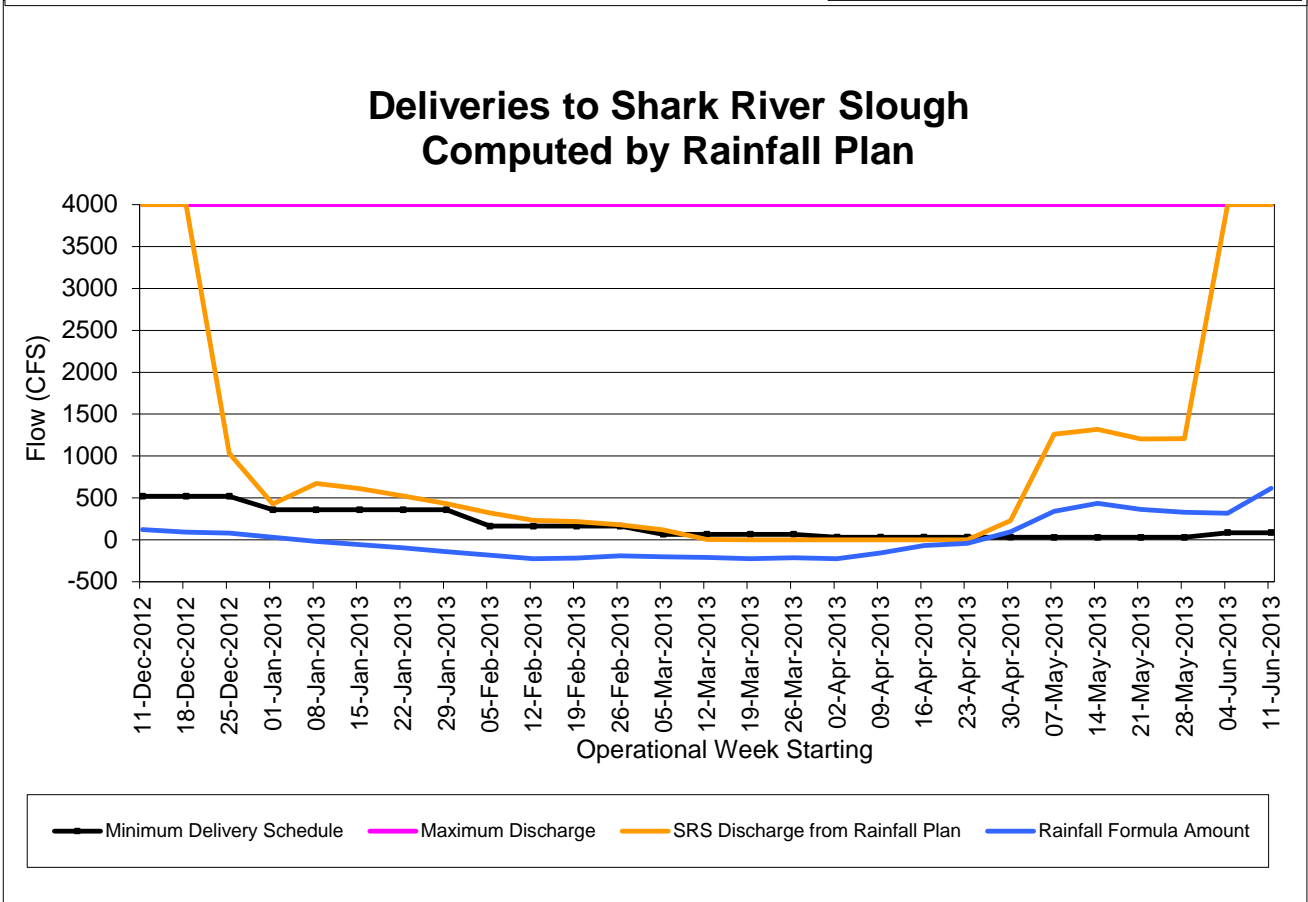
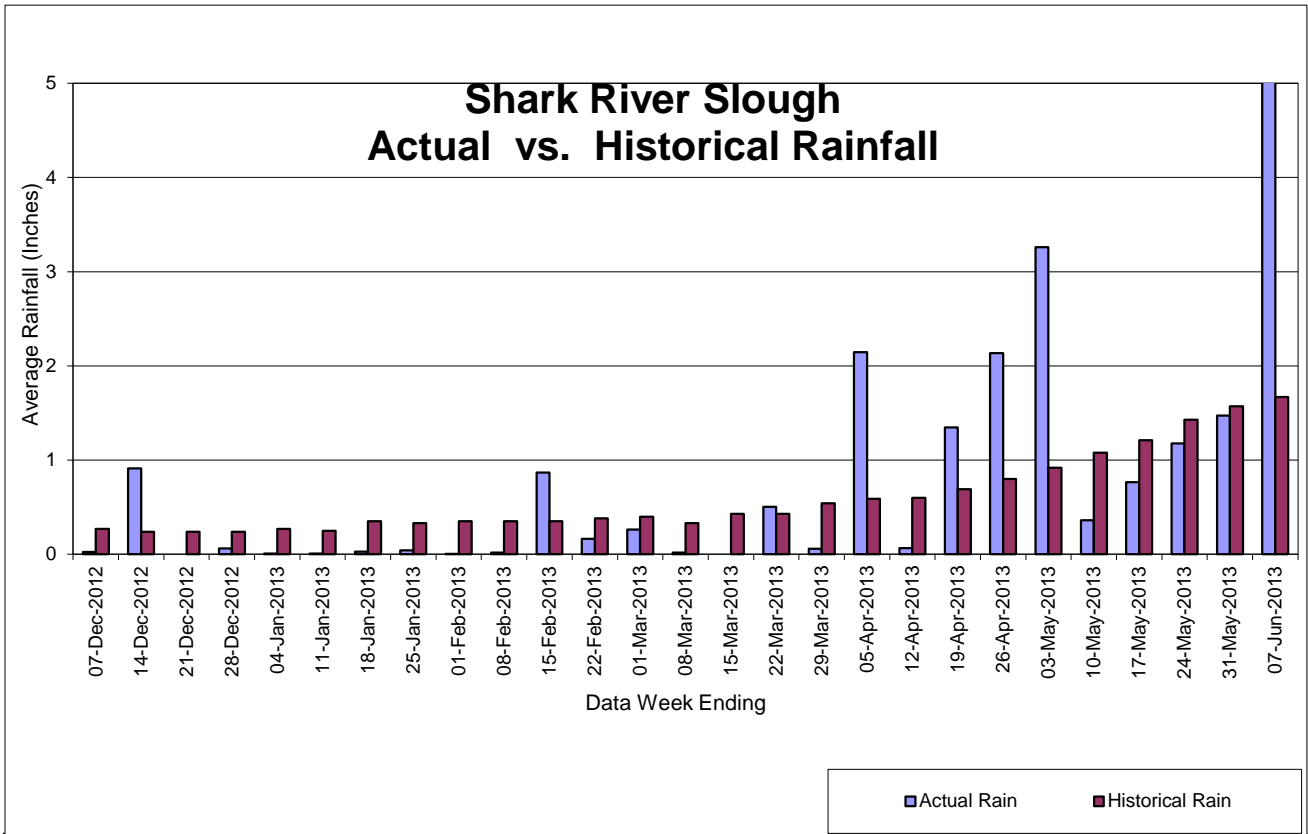
----- Statistical Parameters -----

Rainfall Formula Amount 615 cfs  
 Last Week's Rainfall Formula 315 cfs  
 Pre-Project Mean Discharge 40 cfs

Rainfall Excess Terms  
RL1 3.99 RL2 0.70 RL3 2.84

**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 4, 2013 to June 10, 2013 MAX cfs

S-12 Discharge MAX cfs  
 S-333 Discharge MAX cfs

----- Data Summary -----  
 WCA-3A Stage (end of week) May 24, 2013 to May 31, 2013  
 Angel's 9.51 ft. msl  
 G3273 6.36 ft. msl  
6.36 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.47	1.76

S-140		1.75
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ENP		M
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This Week's Avg	1.47	1.76
Pre-Project Avg	1.57	1.61

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

#### WCA-3A is in Zone A

Supplemental discharge is	MAX	cfs
Distance to Top of Zone E		-0.47 feet
Distance to Bottom of Regulatory Zone		-0.01 feet

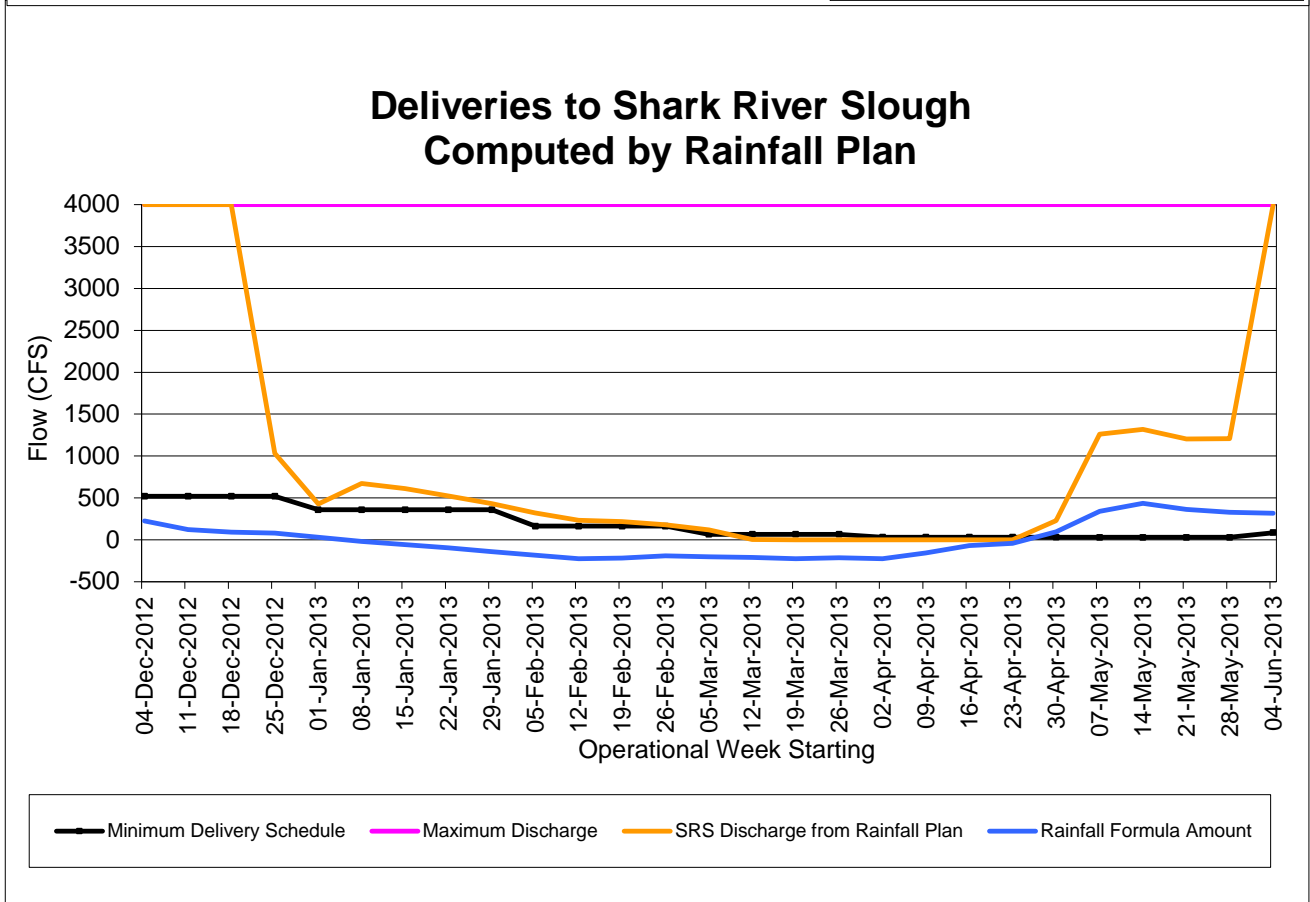
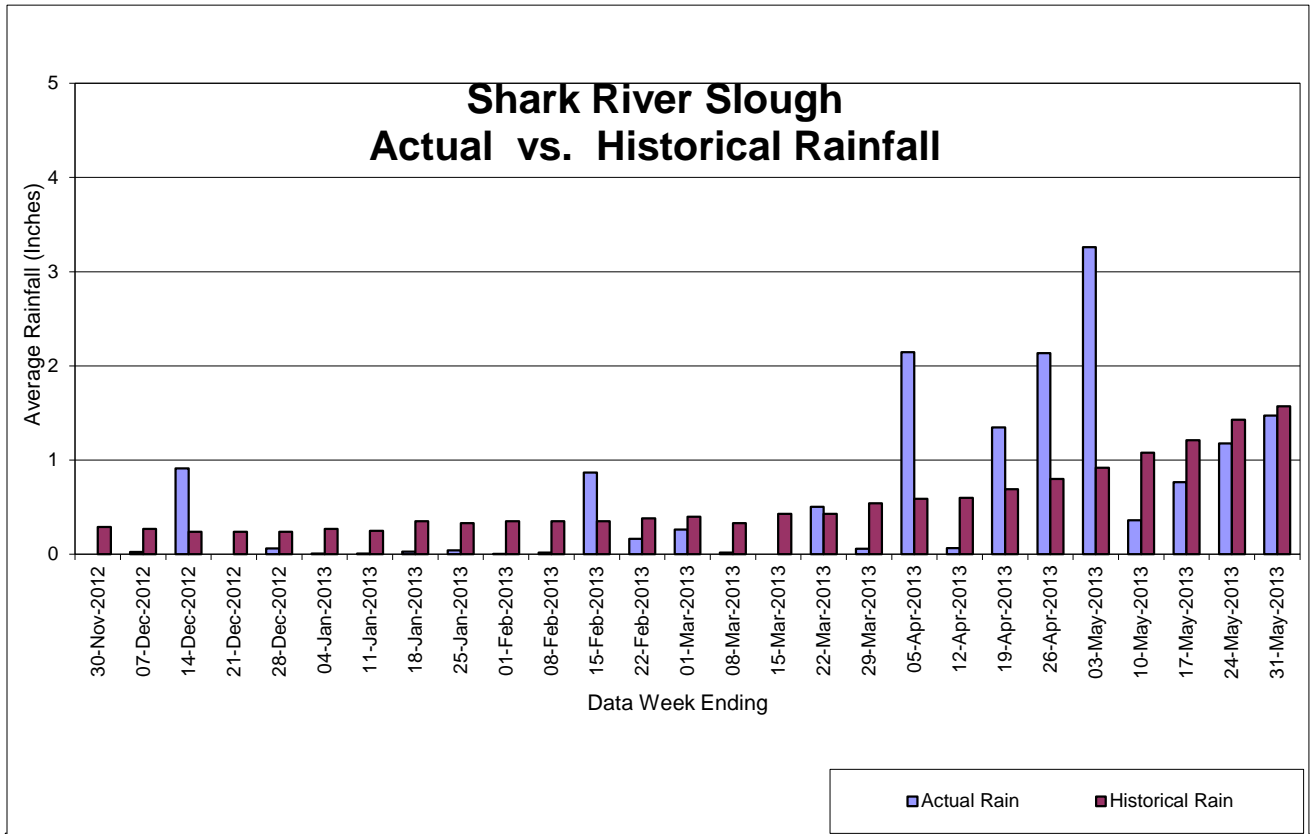
### ----- Statistical Parameters -----

Rainfall Formula Amount	315 cfs
Last Week's Rainfall Formula	328 cfs
Pre-Project Mean Discharge	27 cfs

Rainfall Excess Terms	RL1 -0.43	RL2 2.15	RL3 0.90
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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 28, 2013** to **June 3, 2013** **1208 cfs**

S-12 Discharge **544 cfs**  
 S-333 Discharge **664 cfs**

----- **Data Summary** -----  
**May 17, 2013** to **May 24, 2013**  
 WCA-3A Stage (end of week) **9.44** ft. msl  
 Angel's **5.53** ft. msl  
 G3273 **5.97** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	<b>1.18</b>	<b>1.58</b>
S-140		<b>1.55</b>
ENP		<b>M</b>
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This Week's Avg	<b>1.18</b>	<b>1.56</b>
Pre-Project Avg	<b>1.43</b>	<b>1.61</b>

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

**WCA-3A is in Zone E1**

Supplemental discharge is **880 cfs**  
 Distance to Top of Zone E **-0.35 feet**  
 Distance to Bottom of Regulatory Zone **0.10 feet**

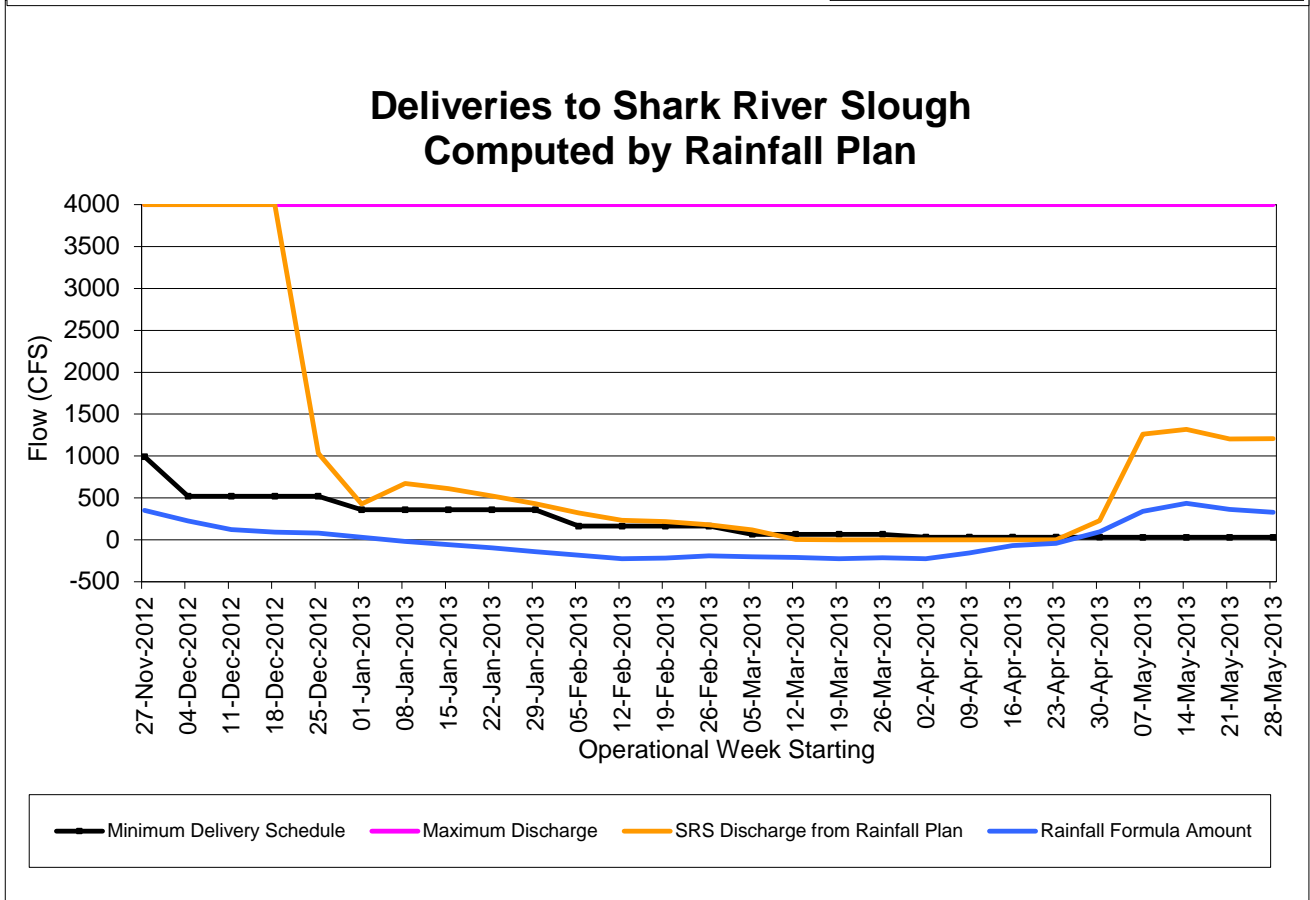
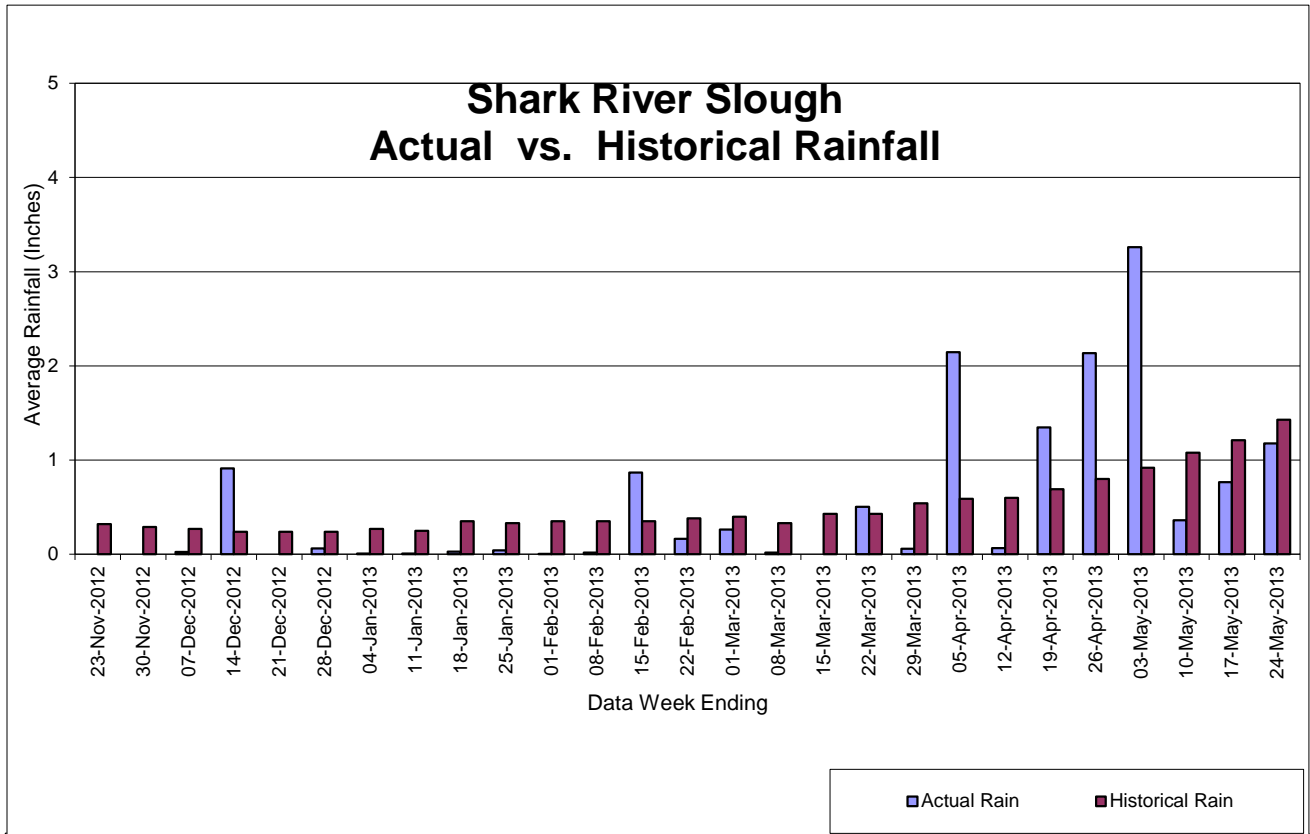
----- **Statistical Parameters** -----

Rainfall Formula Amount **328 cfs**  
 Last Week's Rainfall Formula **361 cfs**  
 Pre-Project Mean Discharge **17 cfs**

Rainfall Excess Terms  
RL1 **-0.76** RL2 **3.33** RL3 **0.24**

**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 21, 2013** to **May 27, 2013** **1204 cfs**

S-12 Discharge 542 cfs  
 S-333 Discharge 662 cfs

----- **Data Summary** -----  
**May 10, 2013** to **May 17, 2013**  
 WCA-3A Stage (end of week) 9.47 ft. msl  
 Angel's 4.64 ft. msl  
 G3273 4.97 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.77	1.66
S-140		1.83
ENP		M

This Week's Avg	0.77	1.75
Pre-Project Avg	1.21	1.62

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

**WCA-3A is in Zone E1**

Supplemental discharge is 843 cfs  
 Distance to Top of Zone E -0.34 feet  
 Distance to Bottom of Regulatory Zone 0.11 feet

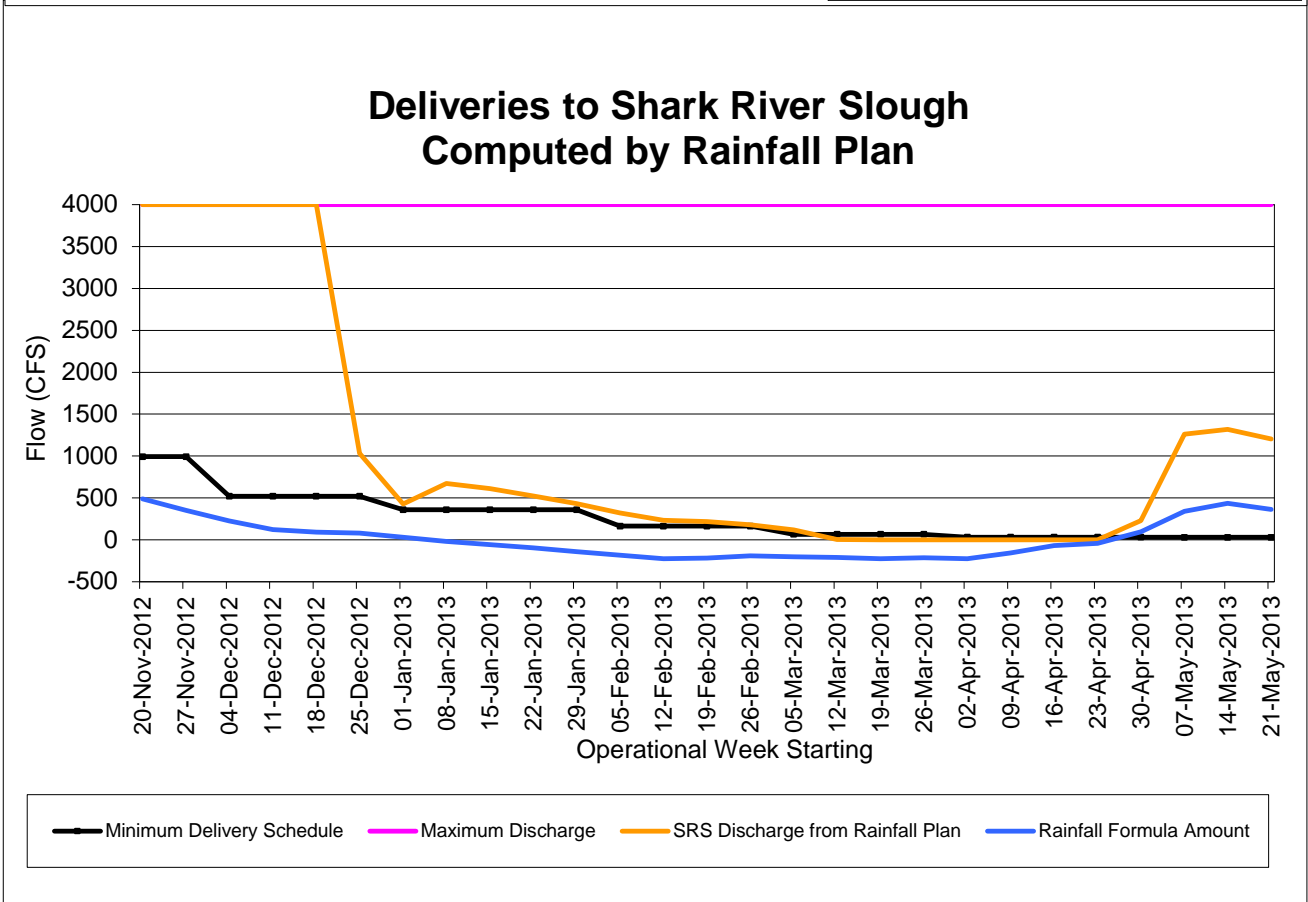
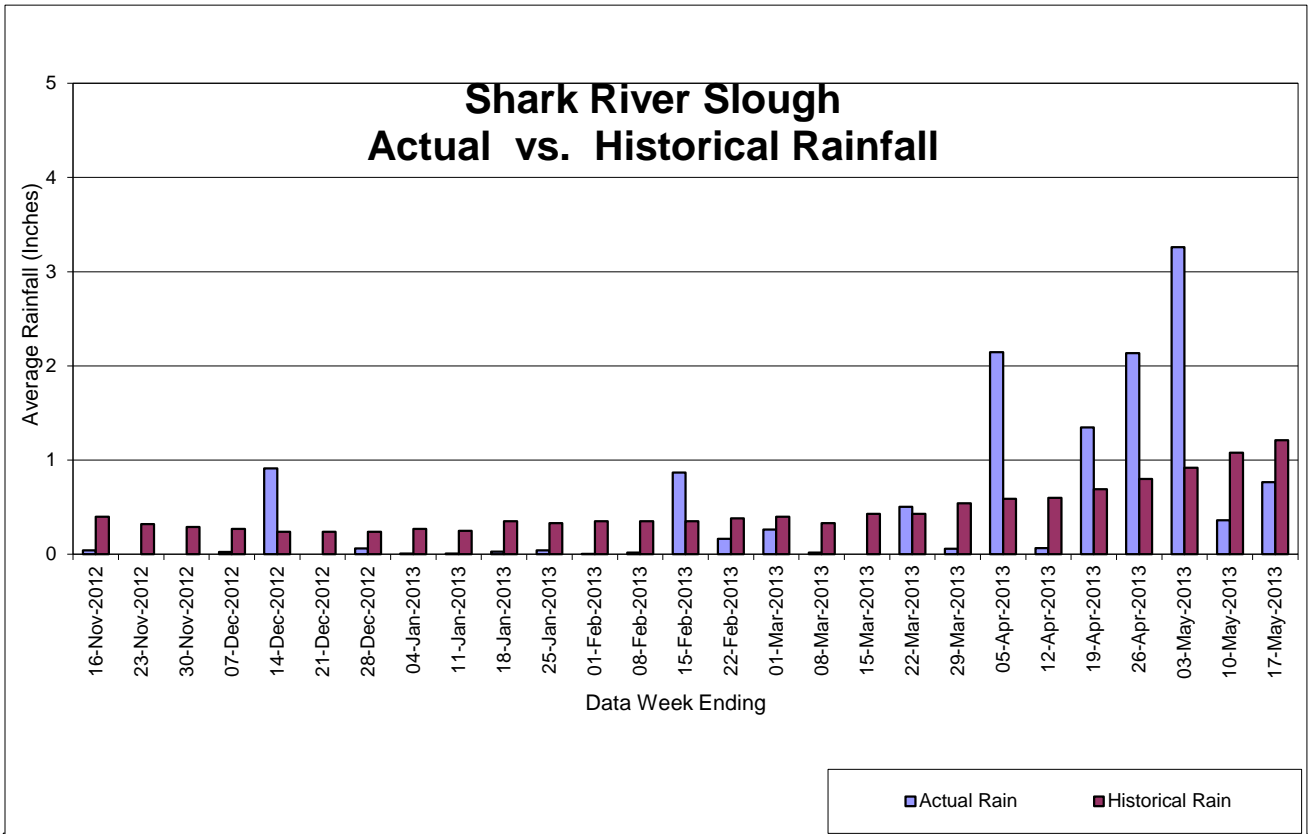
----- **Statistical Parameters** -----

Rainfall Formula Amount 361 cfs  
 Last Week's Rainfall Formula 436 cfs  
 Pre-Project Mean Discharge 12 cfs

Rainfall Excess Terms  
RL1 -1.43 RL2 3.82 RL3 0.38

**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 14, 2013 to May 20, 2013 1318 cfs

S-12 Discharge 593 cfs  
 S-333 Discharge 725 cfs

----- Data Summary -----  
May 3, 2013 to May 10, 2013  
 WCA-3A Stage (end of week) 9.53 ft. msl  
 Angel's 4.73 ft. msl  
 G3273 5.11 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.36	1.78
S-140		1.86
ENP		M
This Week's Avg	0.36	1.82
Pre-Project Avg	1.08	1.61

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

**WCA-3A is in Zone E1**

Supplemental discharge is 882 cfs  
 Distance to Top of Zone E -0.35 feet  
 Distance to Bottom of Regulatory Zone 0.10 feet

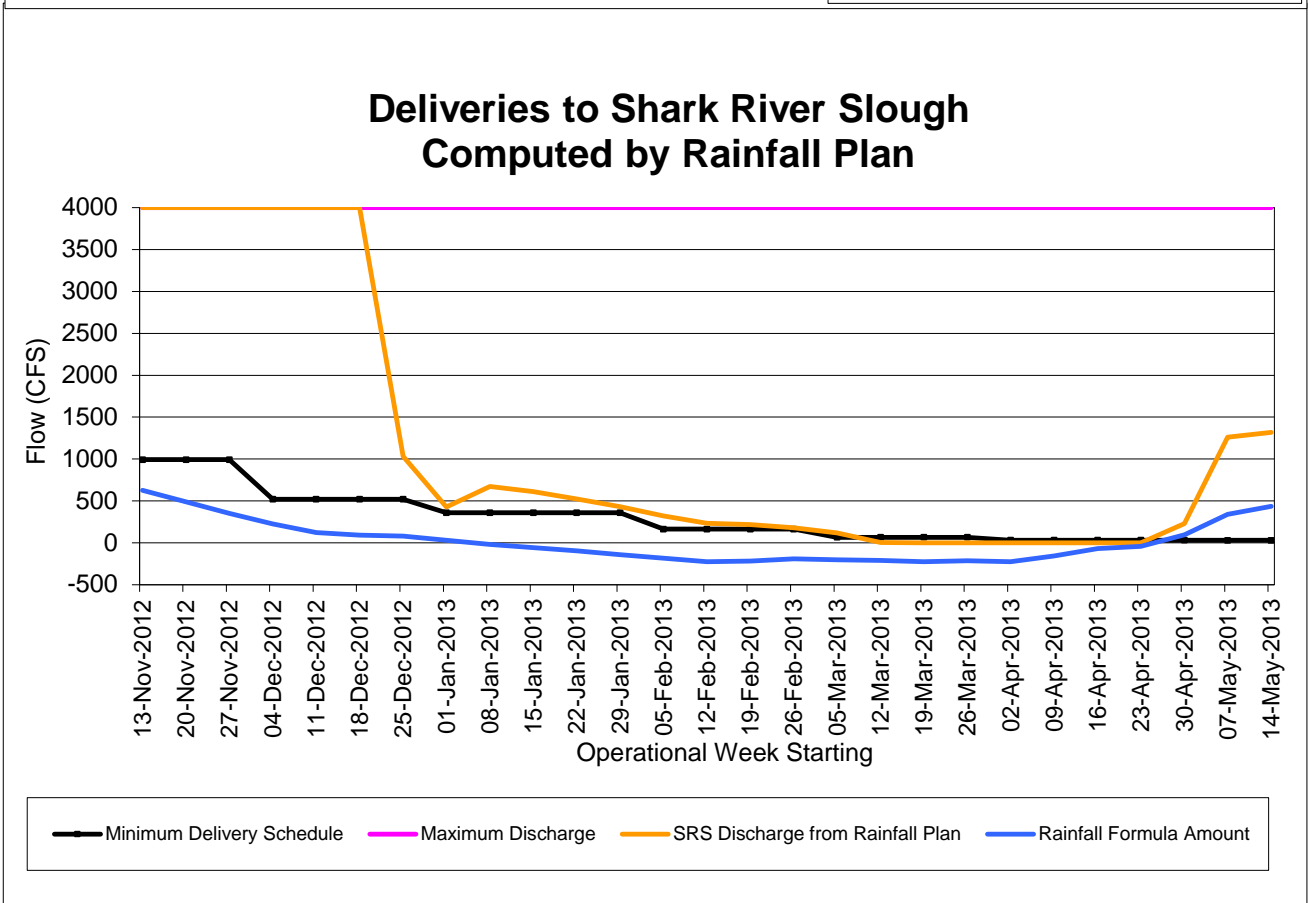
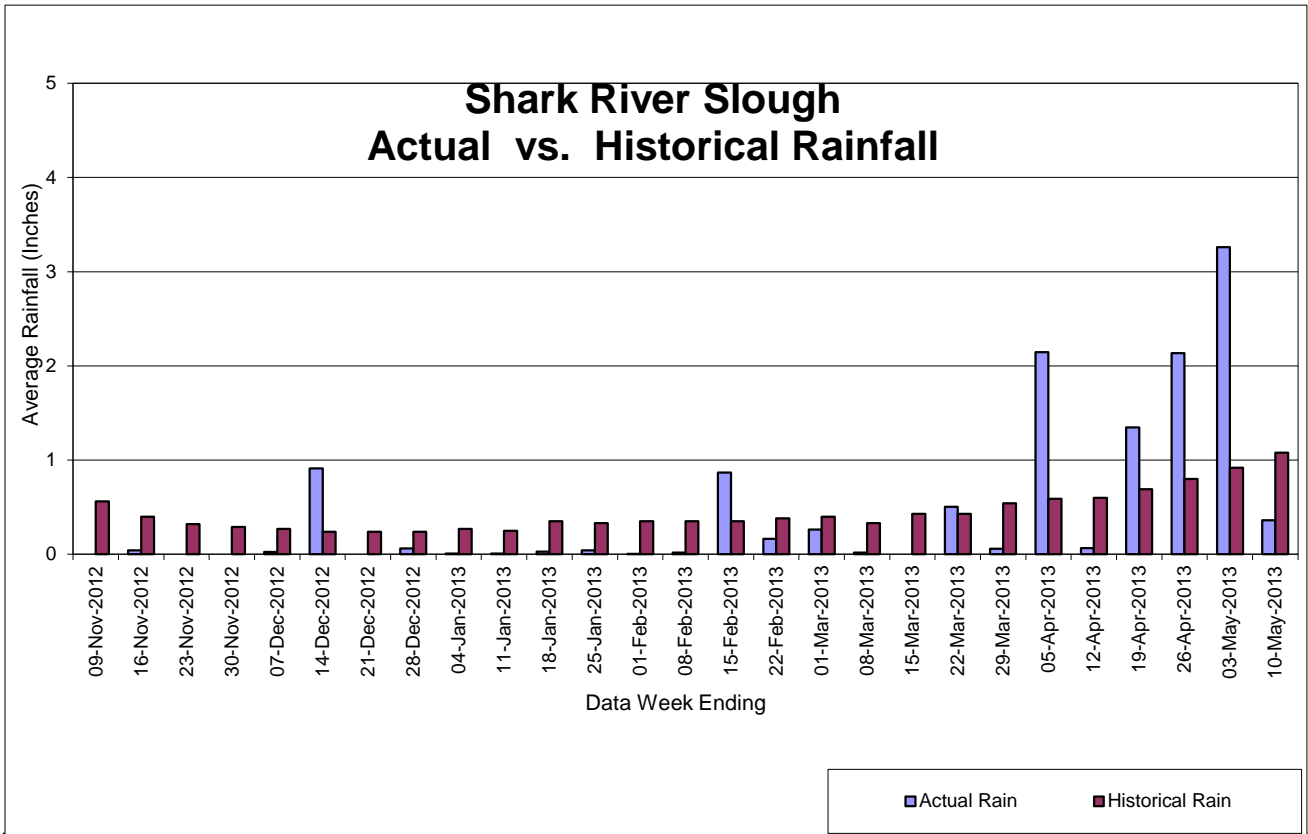
----- Statistical Parameters -----

Rainfall Formula Amount 436 cfs  
 Last Week's Rainfall Formula 340 cfs  
 Pre-Project Mean Discharge 13 cfs

Rainfall Excess Terms  
RL1 1.46 RL2 2.84 RL3 -1.24

**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 7, 2013 to May 13, 2013 1261 cfs

S-12 Discharge 567 cfs  
 S-333 Discharge 693 cfs

----- Data Summary -----  
 WCA-3A Stage (end of week) April 26, 2013 to May 3, 2013  
 Angel's 9.59 ft. msl  
 G3273 4.59 ft. msl  
5.40 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	3.26	1.53
S-140		1.67
ENP		M

This Week's Avg	3.26	1.60
Pre-Project Avg	0.92	1.60

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

**WCA-3A is in Zone E1**

Supplemental discharge is 920 cfs  
 Distance to Top of Zone E -0.37 feet  
 Distance to Bottom of Regulatory Zone 0.09 feet

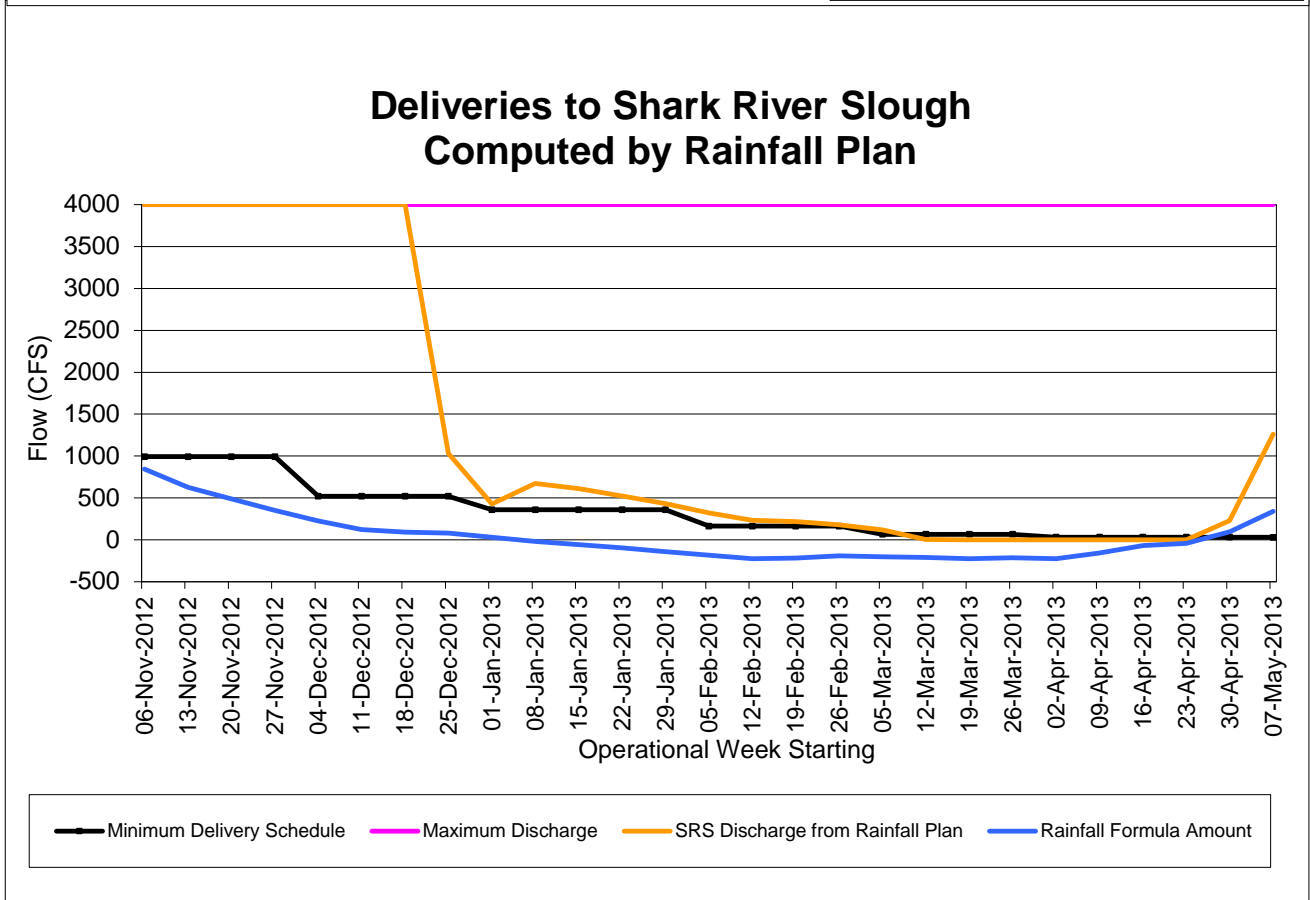
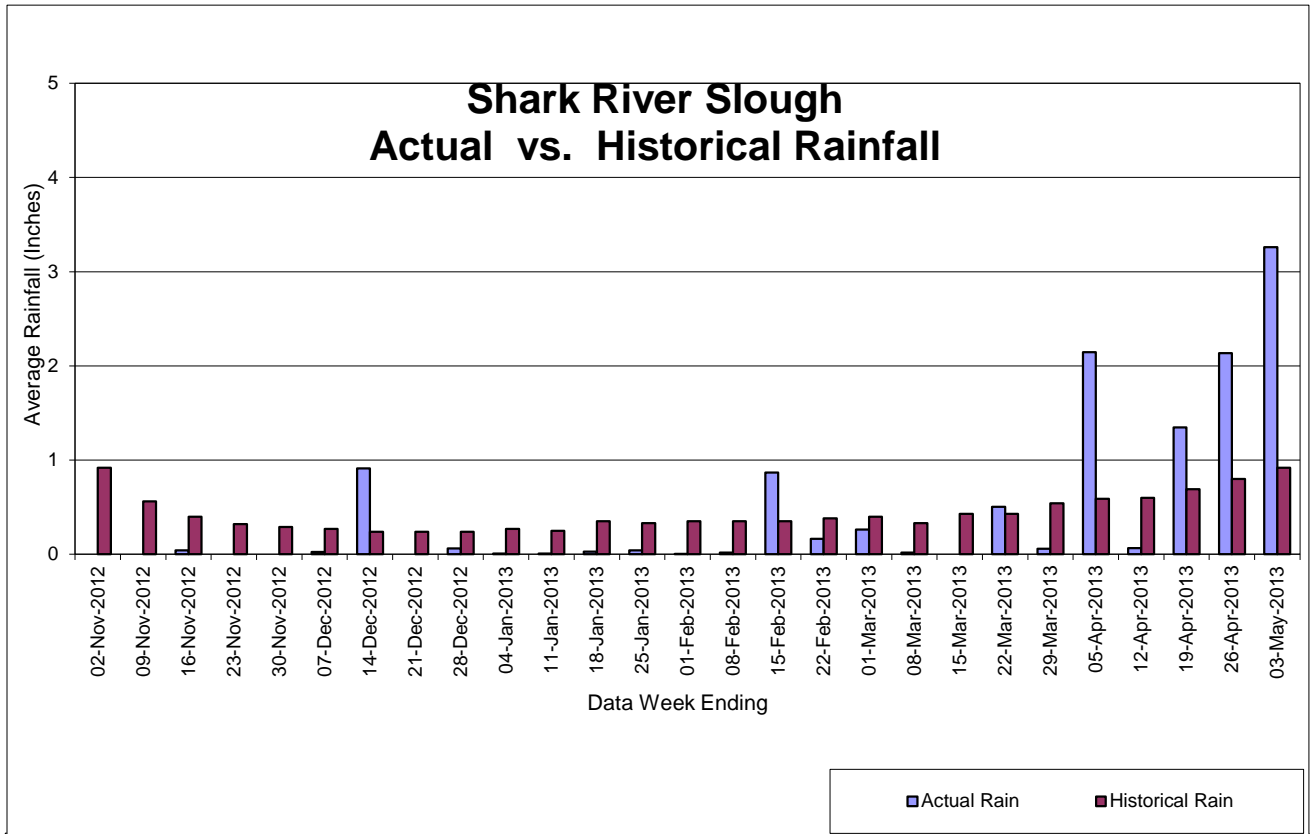
----- Statistical Parameters -----

Rainfall Formula Amount 340 cfs  
 Last Week's Rainfall Formula 93 cfs  
 Pre-Project Mean Discharge 16 cfs

Rainfall Excess Terms  
RL1 3.58 RL2 0.90 RL3 -0.63

**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 30, 2013 to May 6, 2013 227 cfs

S-12 Discharge 102 cfs  
 S-333 Discharge 125 cfs

----- Data Summary -----  
 WCA-3A Stage (end of week) April 19, 2013 to April 26, 2013  
 Angel's 9.32 ft. msl  
 G3273 4.66 ft. msl  
5.33 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.14	1.61
S-140		1.81
ENP		M

This Week's Avg	2.14	1.71
Pre-Project Avg	0.80	1.58

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

**WCA-3A is in Zone E1**

Supplemental discharge is 134 cfs  
 Distance to Top of Zone E -0.05 feet  
 Distance to Bottom of Regulatory Zone 0.40 feet

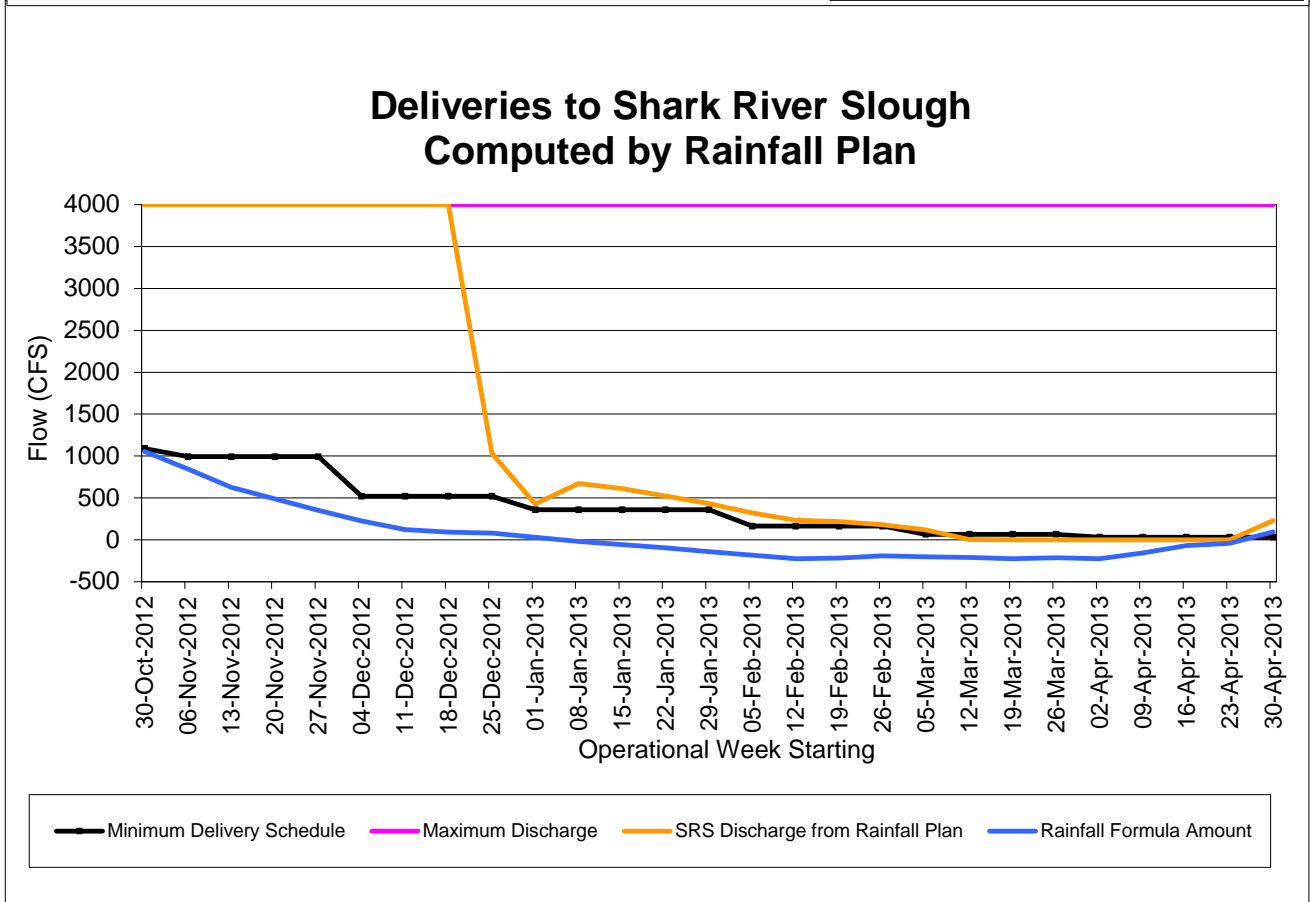
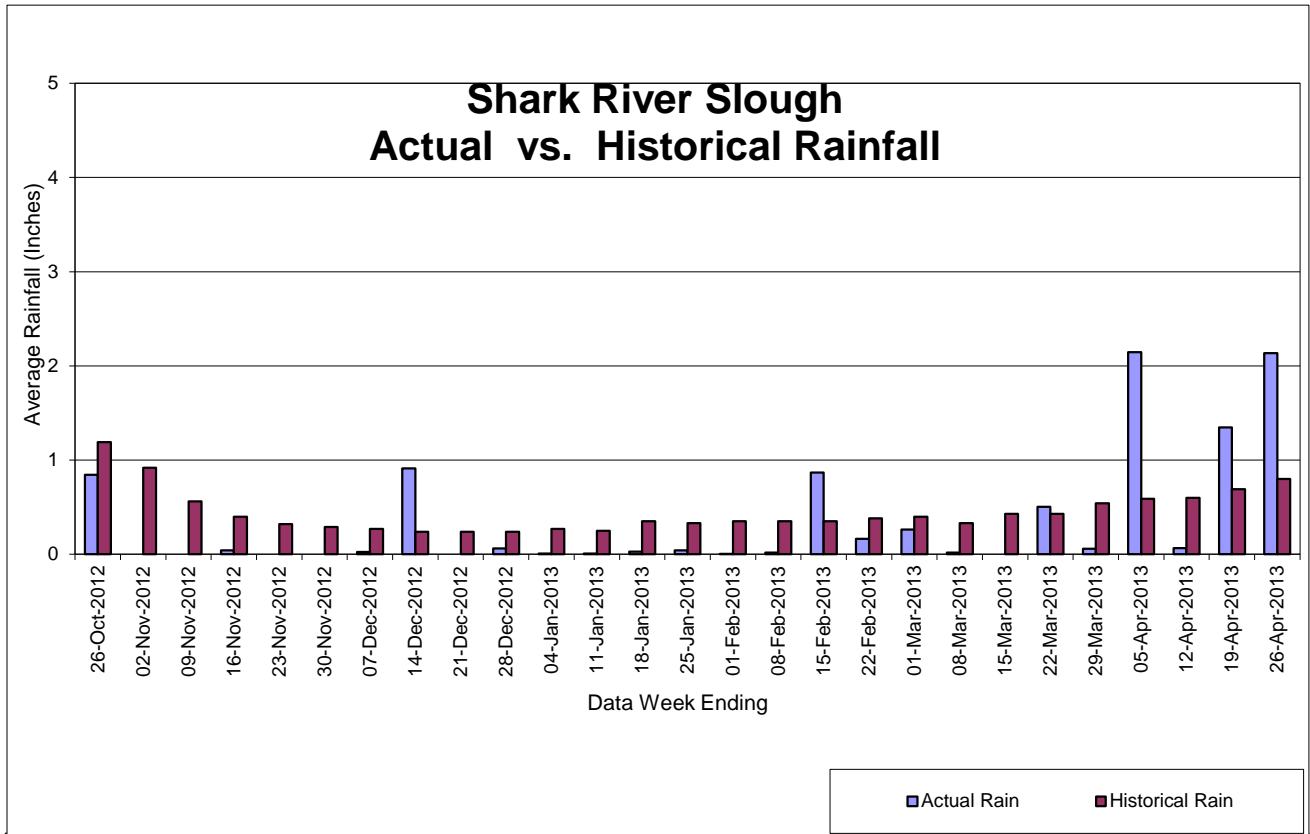
----- Statistical Parameters -----

Rainfall Formula Amount 93 cfs  
 Last Week's Rainfall Formula -42 cfs  
 Pre-Project Mean Discharge 24 cfs

Rainfall Excess Terms  
RL1 1.87 RL2 0.24 RL3 -0.79

**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

Target Flow April 23, 2013 to April 29, 2013 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) April 12, 2013 to April 19, 2013  
 Angel's 9.26 ft. msl  
 G3273 4.79 ft. msl  
5.21 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.35	1.55
S-140		1.58
ENP		M

This Week's Avg	1.35	1.57
Pre-Project Avg	0.69	1.54

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

**WCA-3A is in Zone E**

Supplemental discharge is 0 cfs  
 Distance to Top of Zone E 0.05 feet  
 Distance to Bottom of Regulatory Zone 0.51 feet

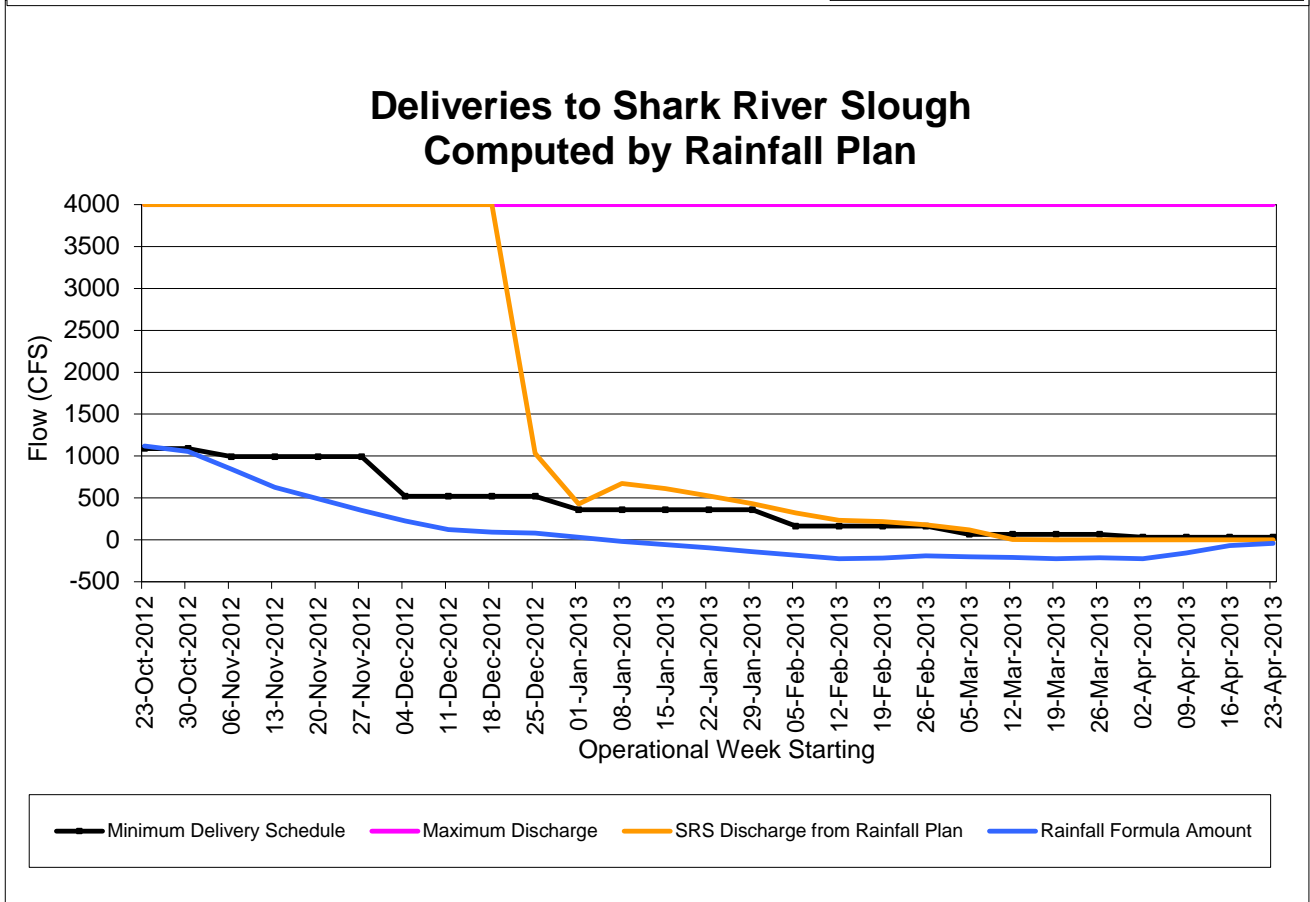
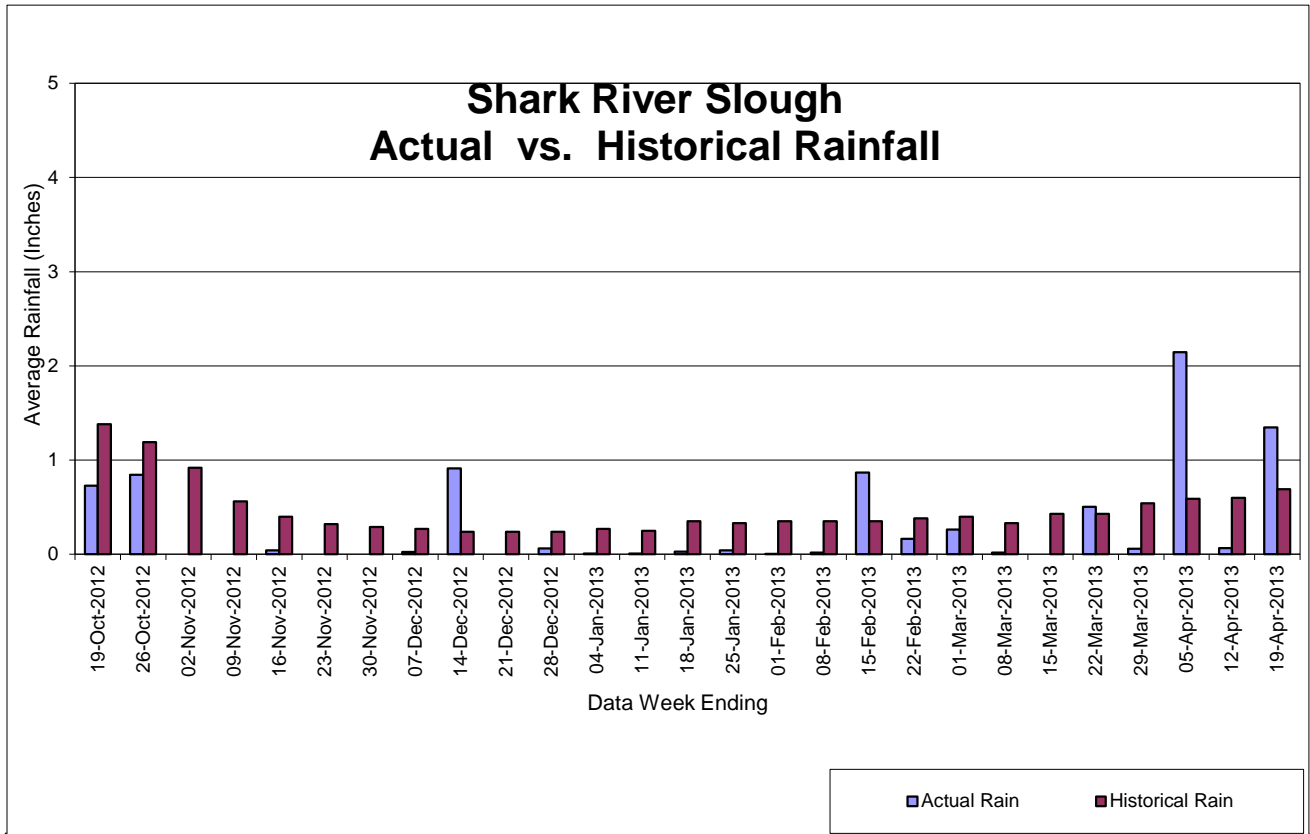
----- Statistical Parameters -----

Rainfall Formula Amount -42 cfs  
 Last Week's Rainfall Formula -71 cfs  
 Pre-Project Mean Discharge 29 cfs

Rainfall Excess Terms  
RL1 0.24 RL2 0.38 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

Target Flow April 16, 2013 to April 22, 2013 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) April 5, 2013 to April 12, 2013  
 Angel's 9.26 ft. msl  
 G3273 4.61 ft. msl  
5.02 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.07	1.25
S-140		1.42
ENP		M
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This Week's Avg	0.07	1.33
Pre-Project Avg	0.60	1.51

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

**WCA-3A is in Zone E**

Supplemental discharge is 0 cfs  
 Distance to Top of Zone E 0.10 feet  
 Distance to Bottom of Regulatory Zone 0.56 feet

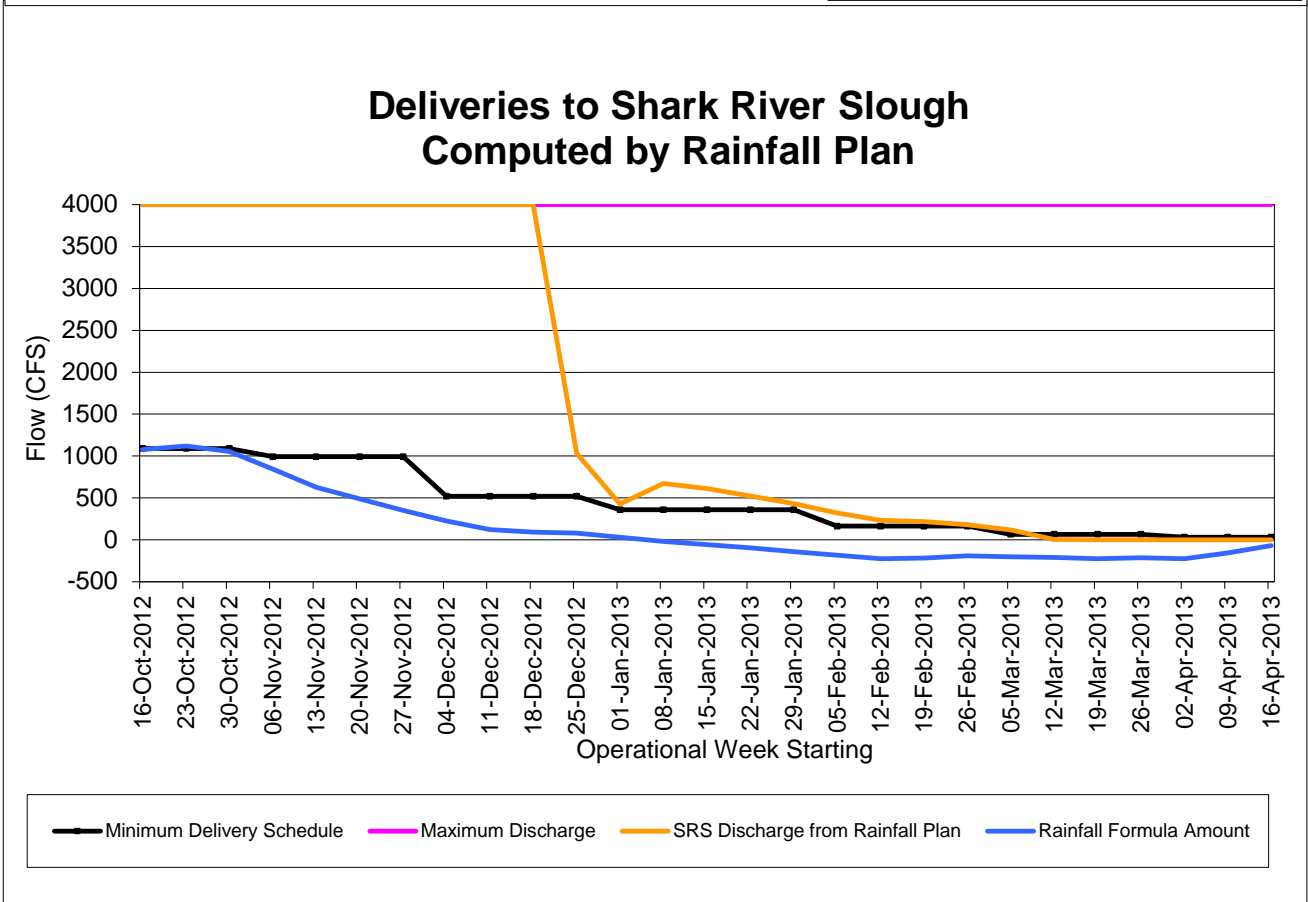
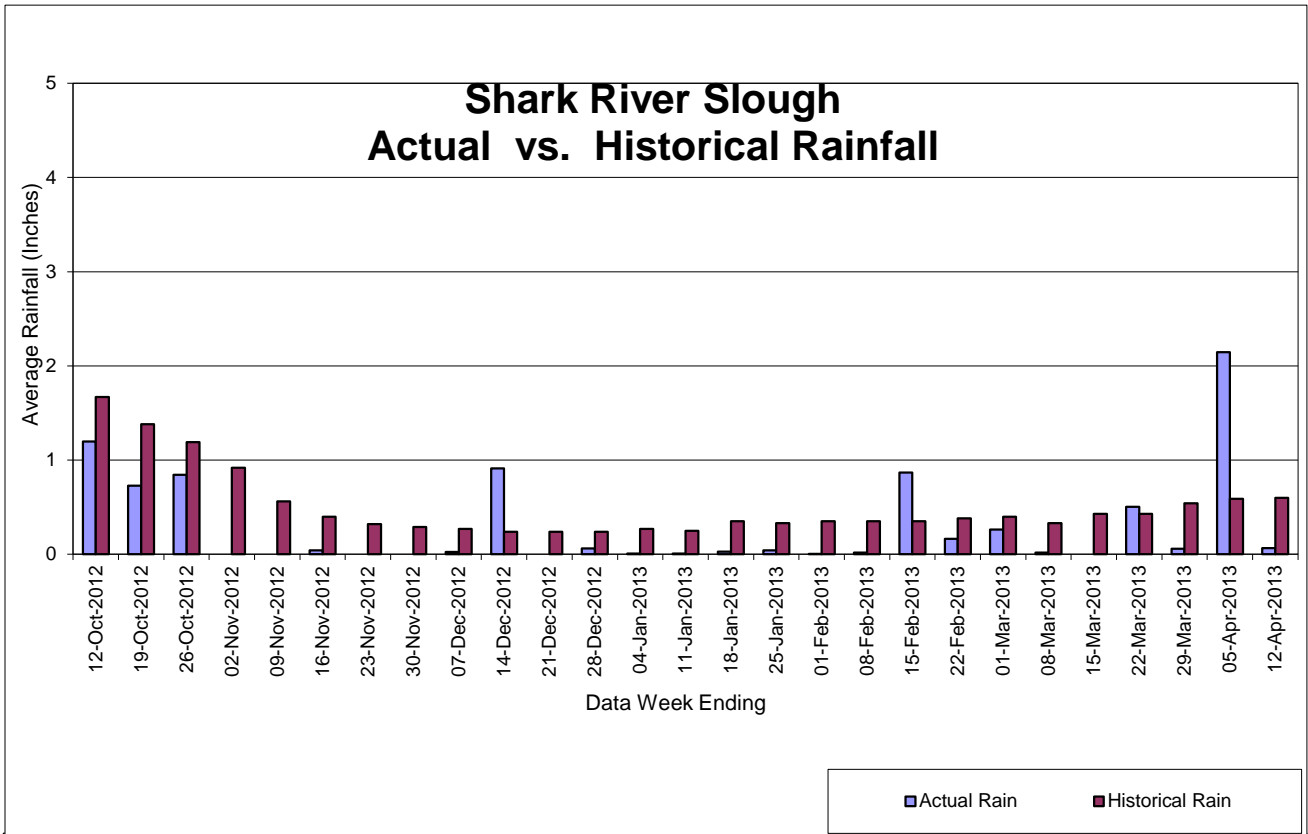
----- Statistical Parameters -----

Rainfall Formula Amount -71 cfs  
 Last Week's Rainfall Formula -156 cfs  
 Pre-Project Mean Discharge 31 cfs

Rainfall Excess Terms  
RL1 0.97 RL2 -1.24 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 April 9, 2013 to April 15, 2013 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) March 29, 2013 to April 5, 2013  
 Angel's 9.33 ft. msl  
 G3273 4.65 ft. msl  
5.35 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.14	1.61

S-140		1.81
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ENP		M
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This Week's Avg	2.14	1.71
Pre-Project Avg	0.59	1.47

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

**WCA-3A is in Zone E**

Supplemental discharge is	0 cfs
Distance to Top of Zone E	0.07 feet
Distance to Bottom of Regulatory Zone	0.53 feet

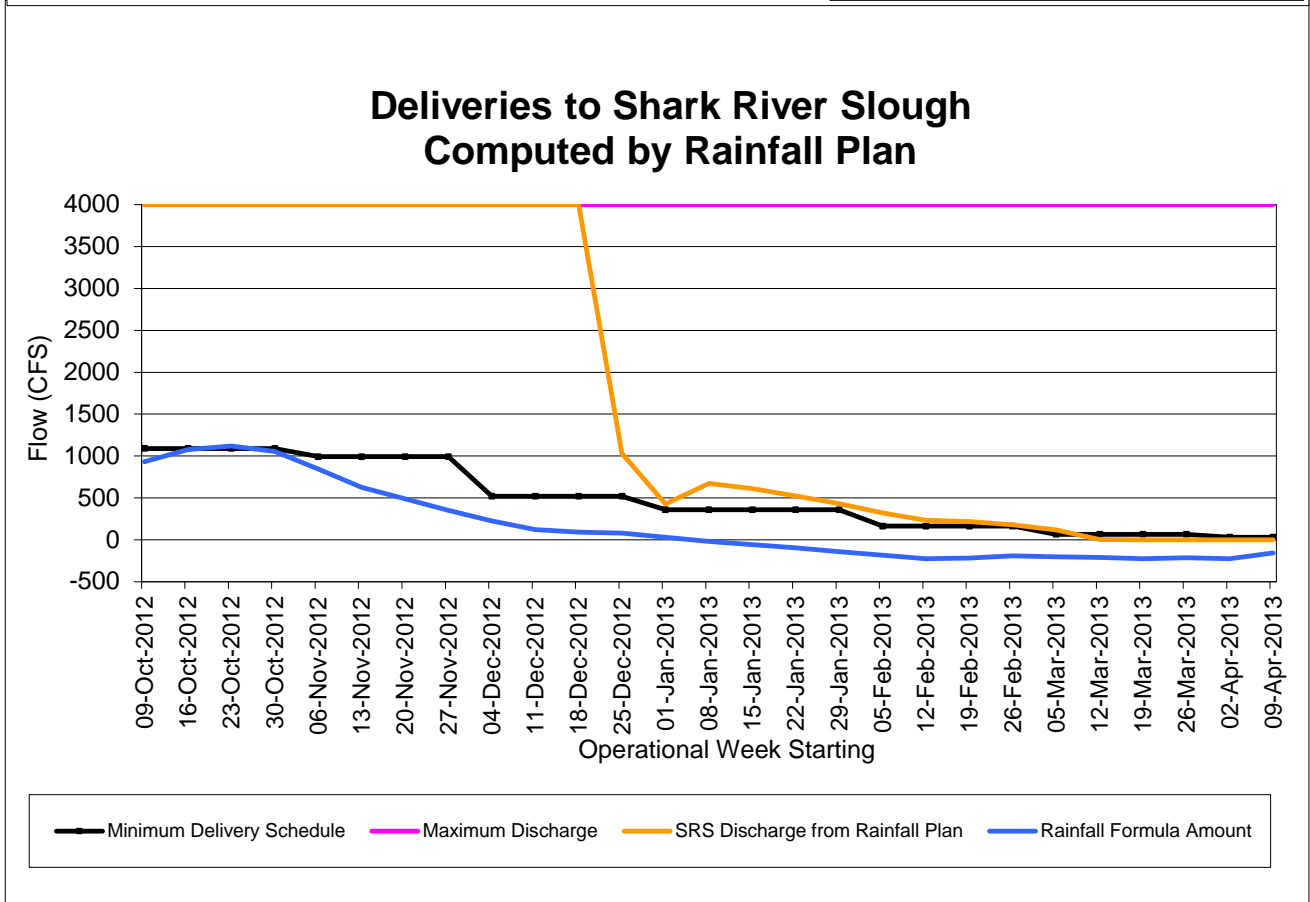
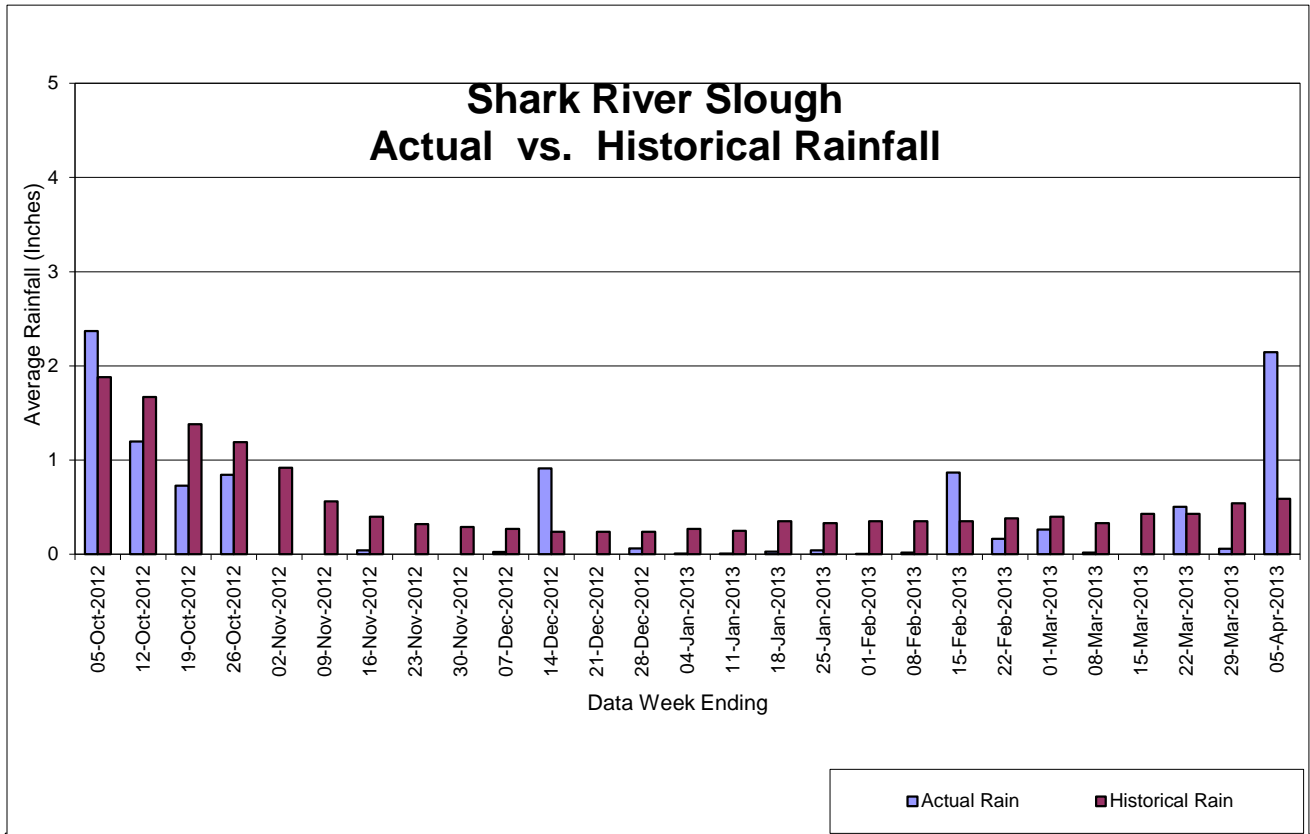
### ----- Statistical Parameters -----

Rainfall Formula Amount	-156 cfs
Last Week's Rainfall Formula	-227 cfs
Pre-Project Mean Discharge	32 cfs

Rainfall Excess Terms	RL1 0.66	RL2 -0.63	RL3 -0.73
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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 2, 2013 to April 8, 2013 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) March 22, 2013 to March 29, 2013  
 Angel's 9.27 ft. msl  
 G3273 4.16 ft. msl  
4.60 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.06	1.62

S-140		1.76
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ENP		M
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This Week's Avg	0.06	1.69
Pre-Project Avg	0.54	1.41

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

**WCA-3A is in Zone E**

Supplemental discharge is	0 cfs
Distance to Top of Zone E	0.18 feet
Distance to Bottom of Regulatory Zone	0.64 feet

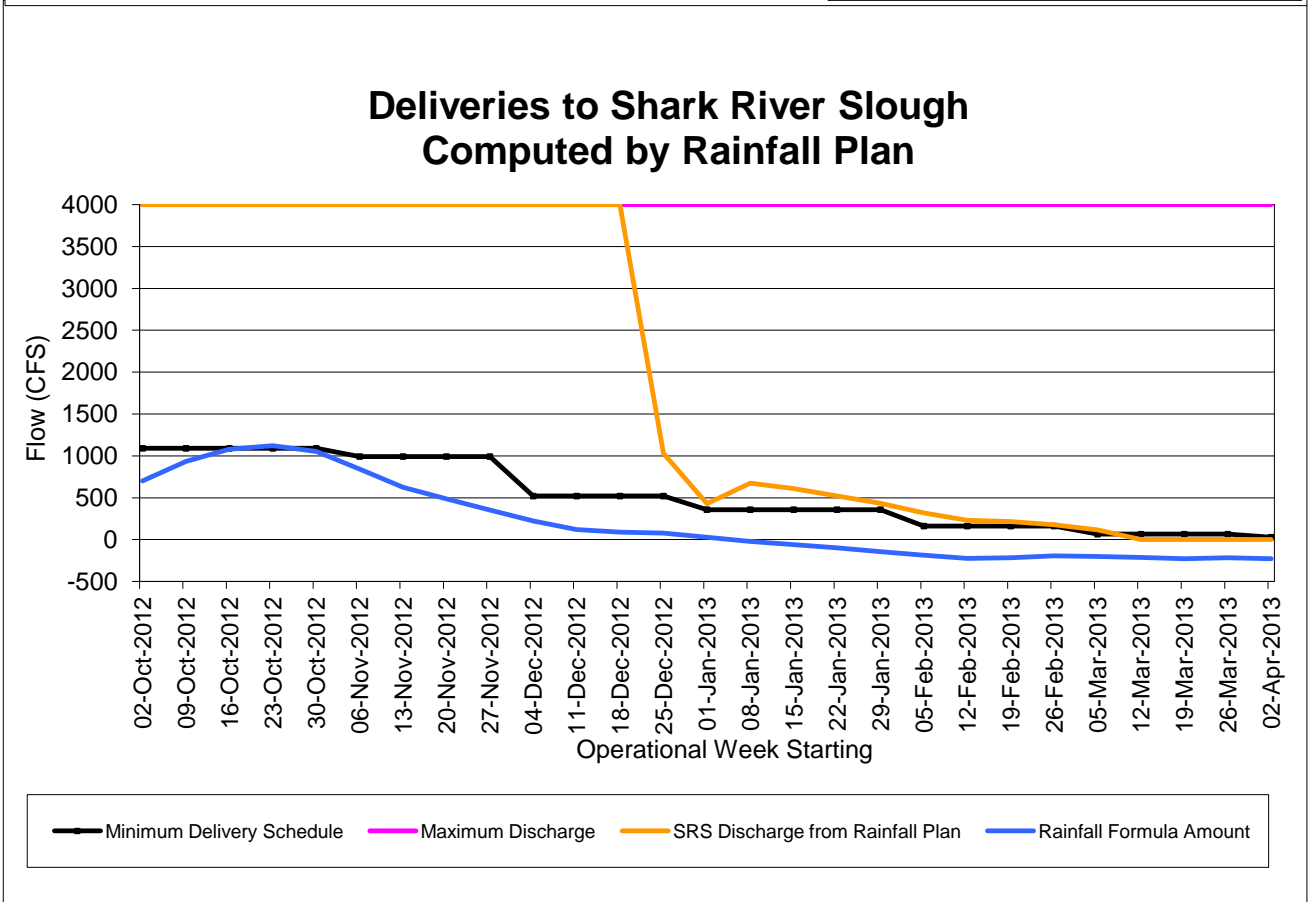
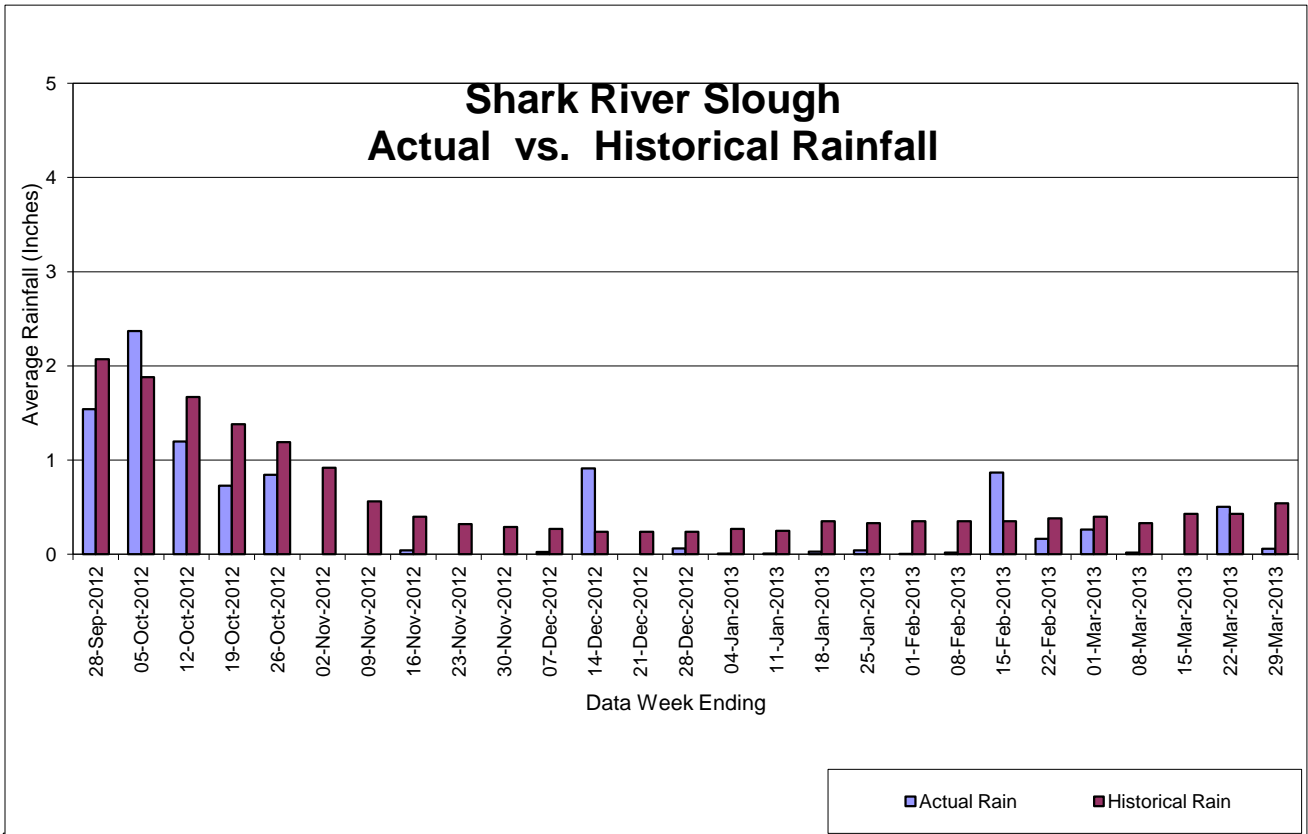
### ----- Statistical Parameters -----

Rainfall Formula Amount	-227 cfs
Last Week's Rainfall Formula	-217 cfs
Pre-Project Mean Discharge	31 cfs

Rainfall Excess Terms	RL1 -0.73	RL2 -0.79	RL3 -0.92
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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 26, 2013 to April 1, 2013 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) March 15, 2013 to March 22, 2013  
 Angel's 9.41 ft. msl  
 G3273 4.34 ft. msl  
4.90 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.50	1.25
S-140		1.71
ENP		M

This Week's Avg	0.50	1.48
Pre-Project Avg	0.43	1.36

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

**WCA-3A is in Zone E**

Supplemental discharge is 0 cfs  
 Distance to Top of Zone E 0.08 feet  
 Distance to Bottom of Regulatory Zone 0.55 feet

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

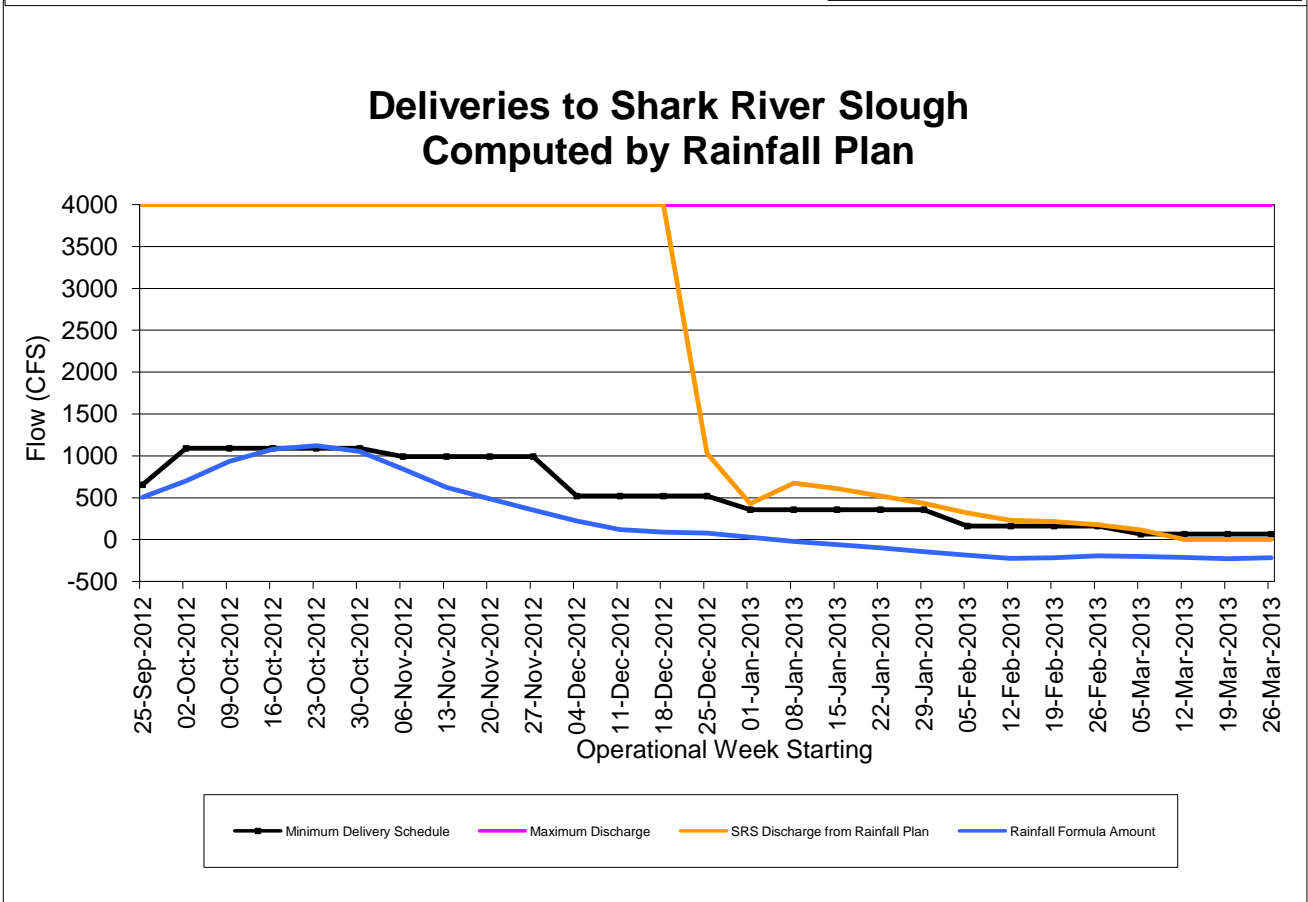
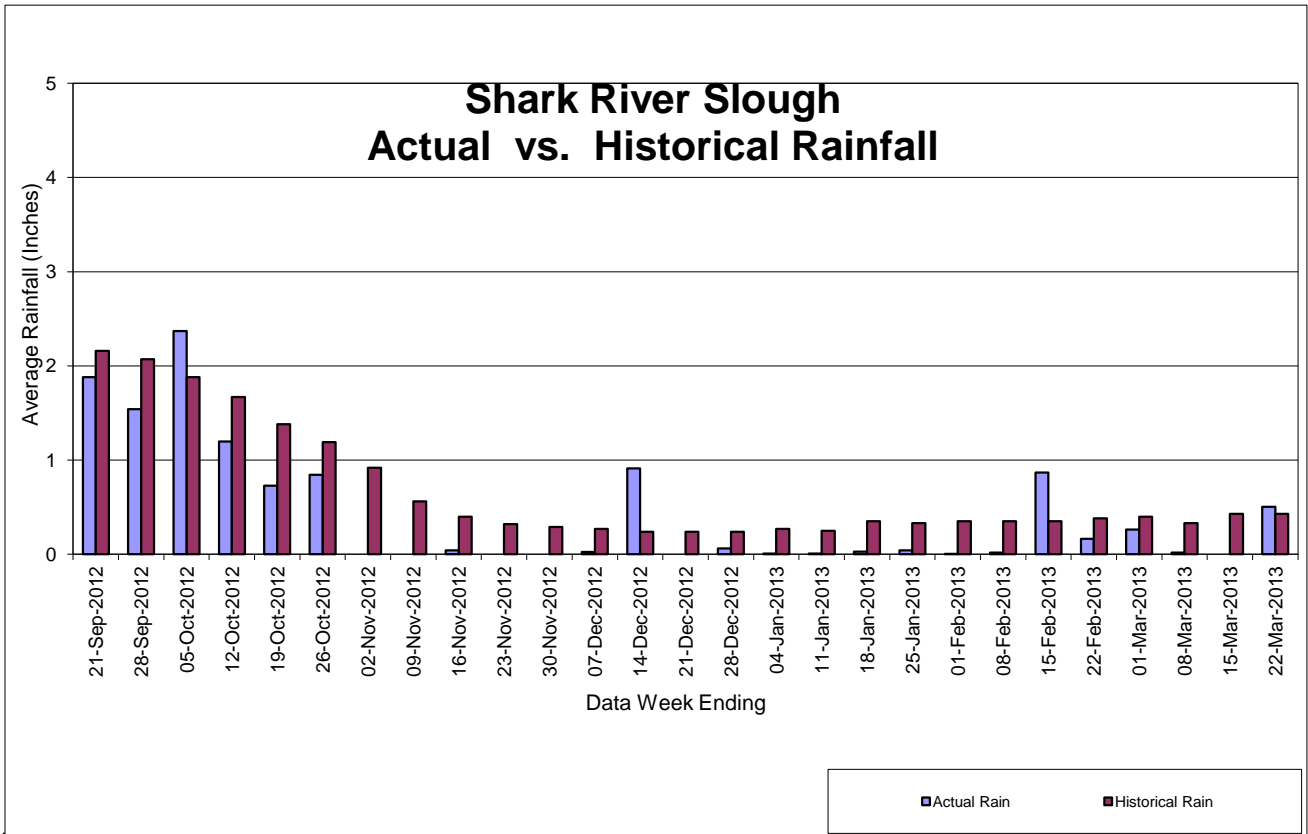
Rainfall Formula Amount -217 cfs  
 Last Week's Rainfall Formula -227 cfs  
 Pre-Project Mean Discharge 26 cfs

Rainfall Excess Terms

RL1 -0.27	RL2 -0.15	RL3 -1.68
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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 19, 2013 to March 25, 2013 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) March 8, 2013 to March 15, 2013  
 Angel's 9.47 ft. msl  
 G3273 4.45 ft. msl  
5.08 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	1.18
S-140		0.95
ENP		M

This Week's Avg	0.00	1.07
Pre-Project Avg	0.43	1.29

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

**WCA-3A is in Zone E**

Supplemental discharge is 0 cfs  
 Distance to Top of Zone E 0.06 feet  
 Distance to Bottom of Regulatory Zone 0.54 feet

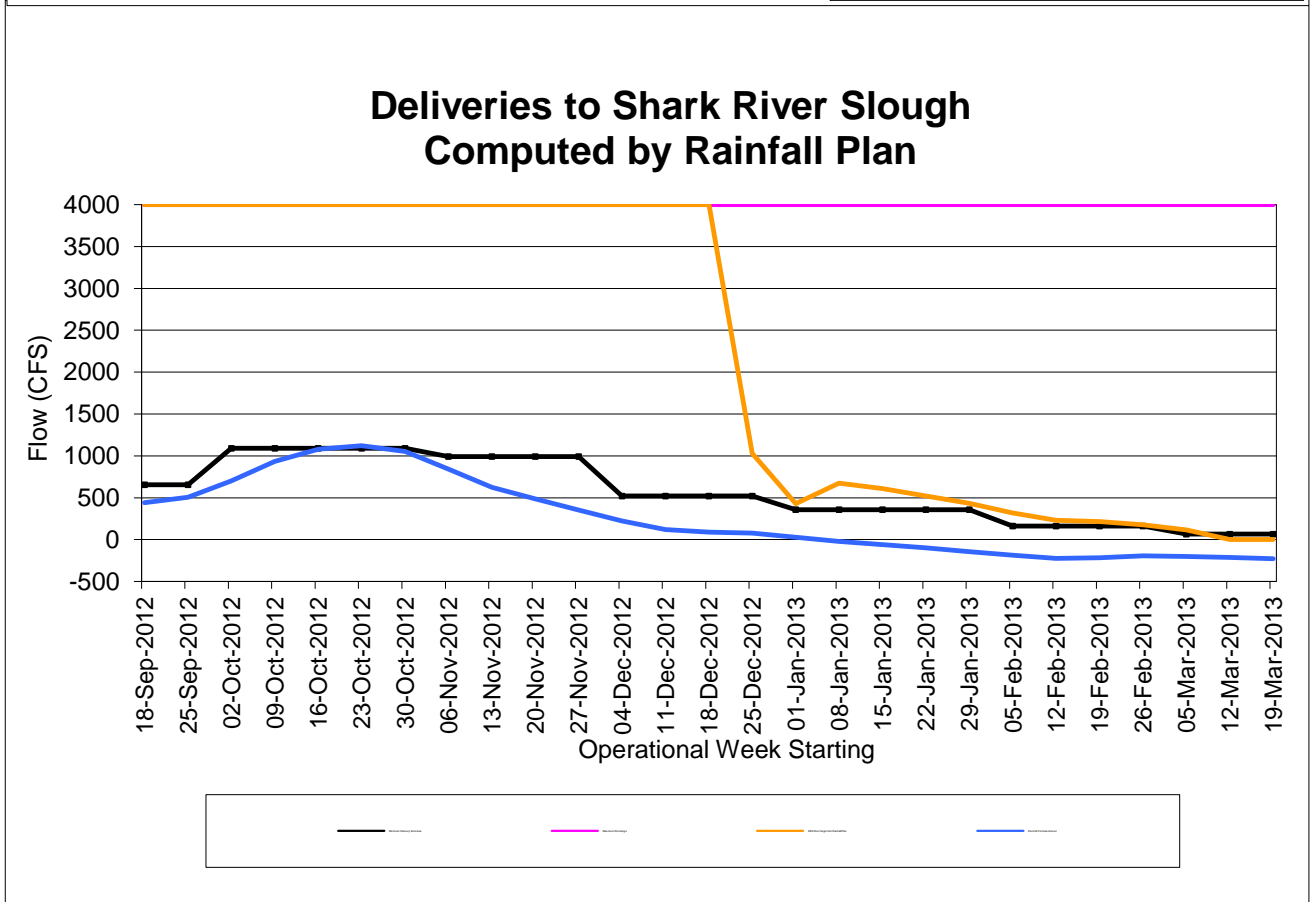
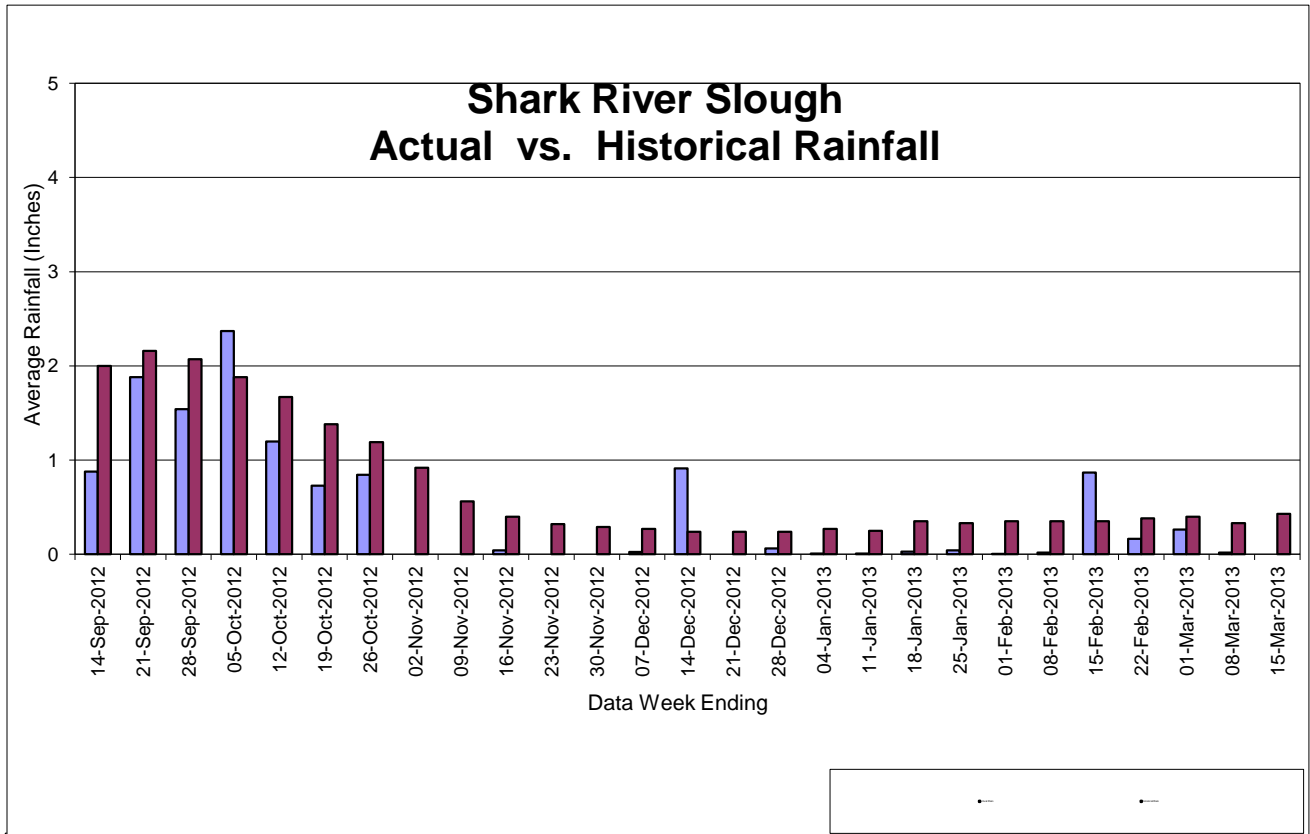
----- Statistical Parameters -----

Rainfall Formula Amount -227 cfs  
 Last Week's Rainfall Formula -213 cfs  
 Pre-Project Mean Discharge 25 cfs

Rainfall Excess Terms  
RL1 -0.52 RL2 -0.32 RL3 -1.54

**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, 2013 to March 18, 2013 2 cfs

S-12 Discharge 1 cfs  
 S-333 Discharge 1 cfs

----- Data Summary -----  
 WCA-3A Stage (end of week) March 1, 2013 to March 8, 2013  
 Angel's 9.58 ft. msl  
 G3273 4.73 ft. msl  
5.43 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		1.20
ENP		M

This Week's Avg	0.02	1.16
Pre-Project Avg	0.33	1.22

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

**WCA-3A is in Zone E1**

Supplemental discharge is 2 cfs  
 Distance to Top of Zone E 0.00 feet  
 Distance to Bottom of Regulatory Zone 0.47 feet

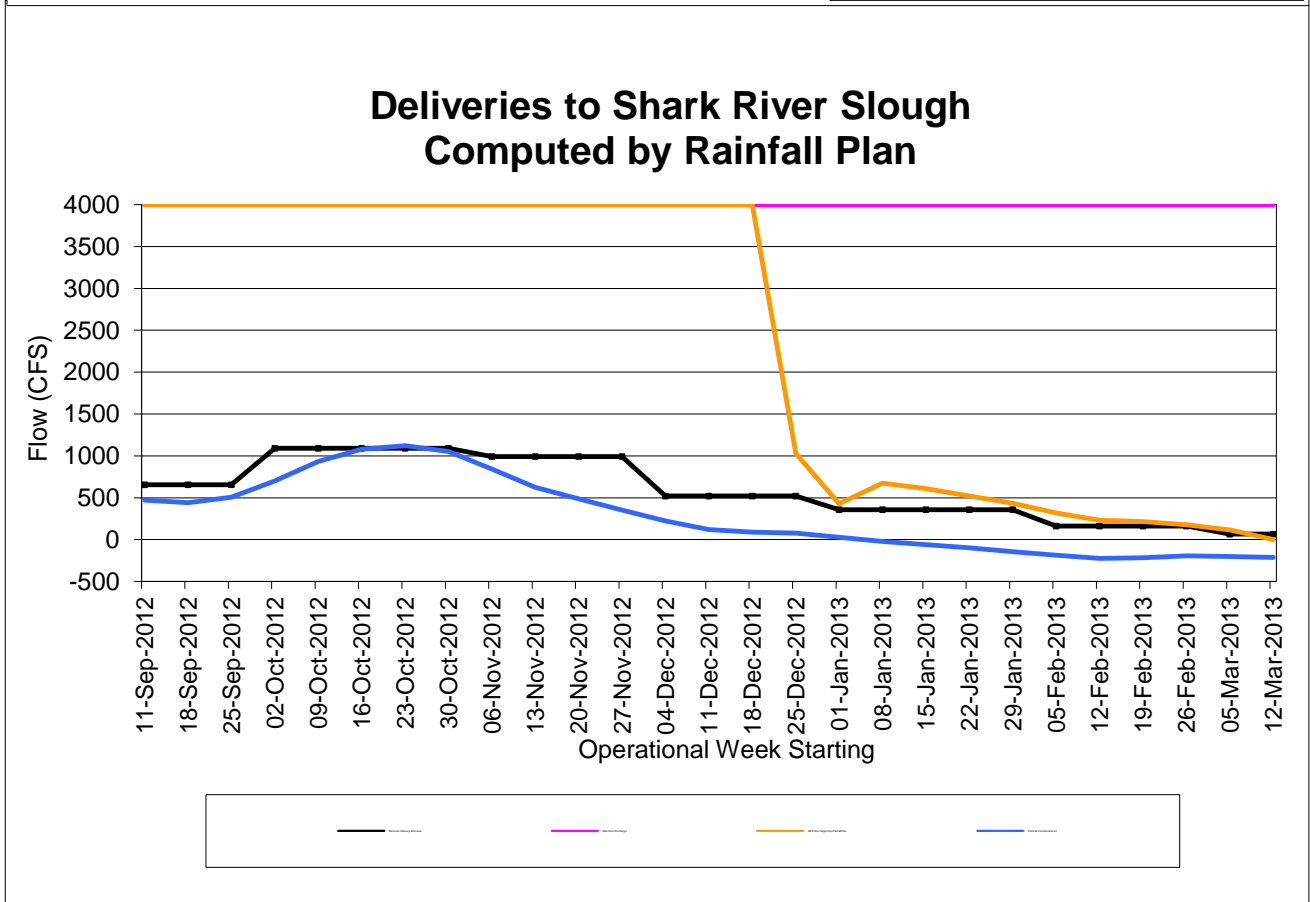
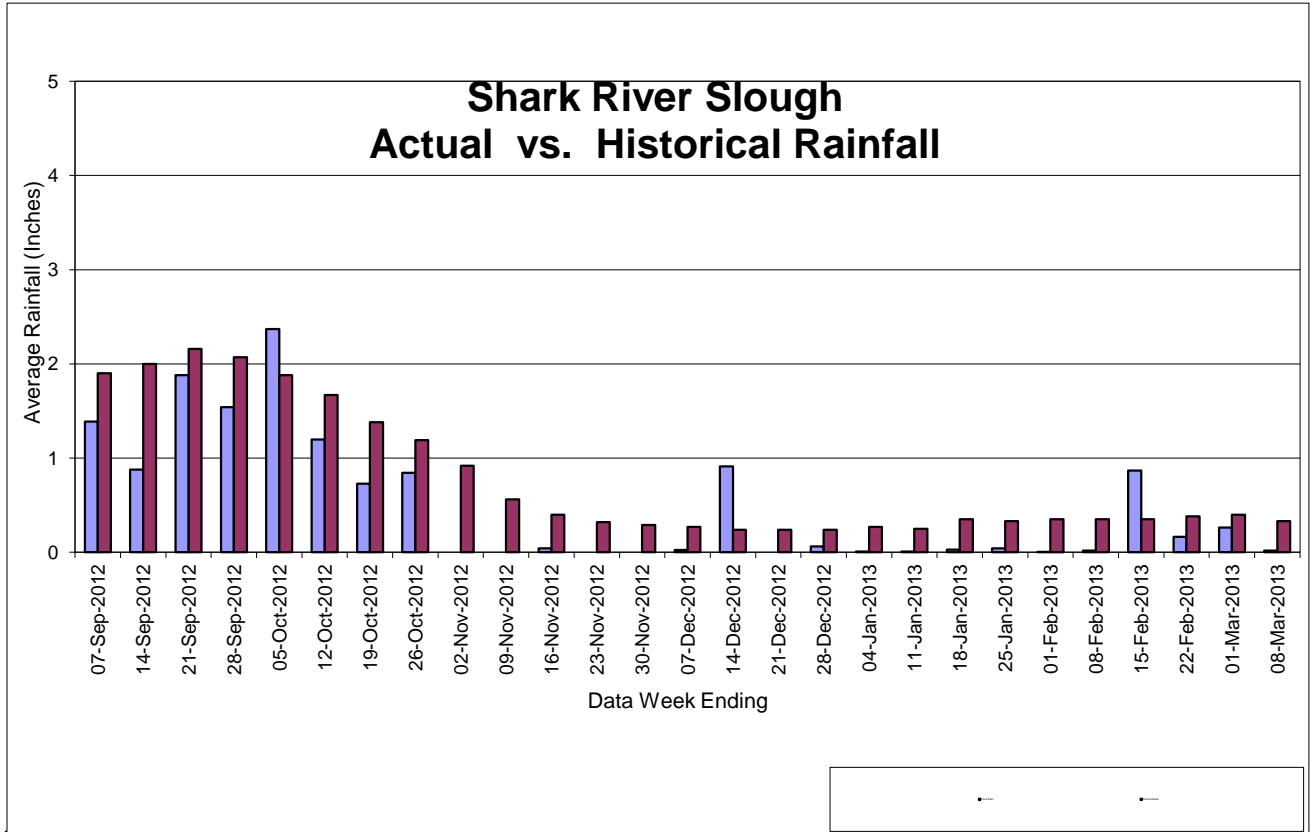
----- Statistical Parameters -----

Rainfall Formula Amount -213 cfs  
 Last Week's Rainfall Formula -202 cfs  
 Pre-Project Mean Discharge 35 cfs

Rainfall Excess Terms  
RL1 -0.36 RL2 -0.73 RL3 -1.39

**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, 2013 to March 11, 2013 116 cfs

S-12 Discharge 52 cfs  
 S-333 Discharge 64 cfs

----- Data Summary -----  
 February 22, 2013 to March 1, 2013  
 WCA-3A Stage (end of week) 9.67 ft. msl  
 Angel's 5.00 ft. msl  
 G3273 5.77 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.26	1.00
S-140		1.19
ENP		M

This Week's Avg	0.26	1.09
Pre-Project Avg	0.40	1.15

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

**WCA-3A is in Zone E1**

Supplemental discharge is 116 cfs  
 Distance to Top of Zone E -0.05 feet  
 Distance to Bottom of Regulatory Zone 0.43 feet

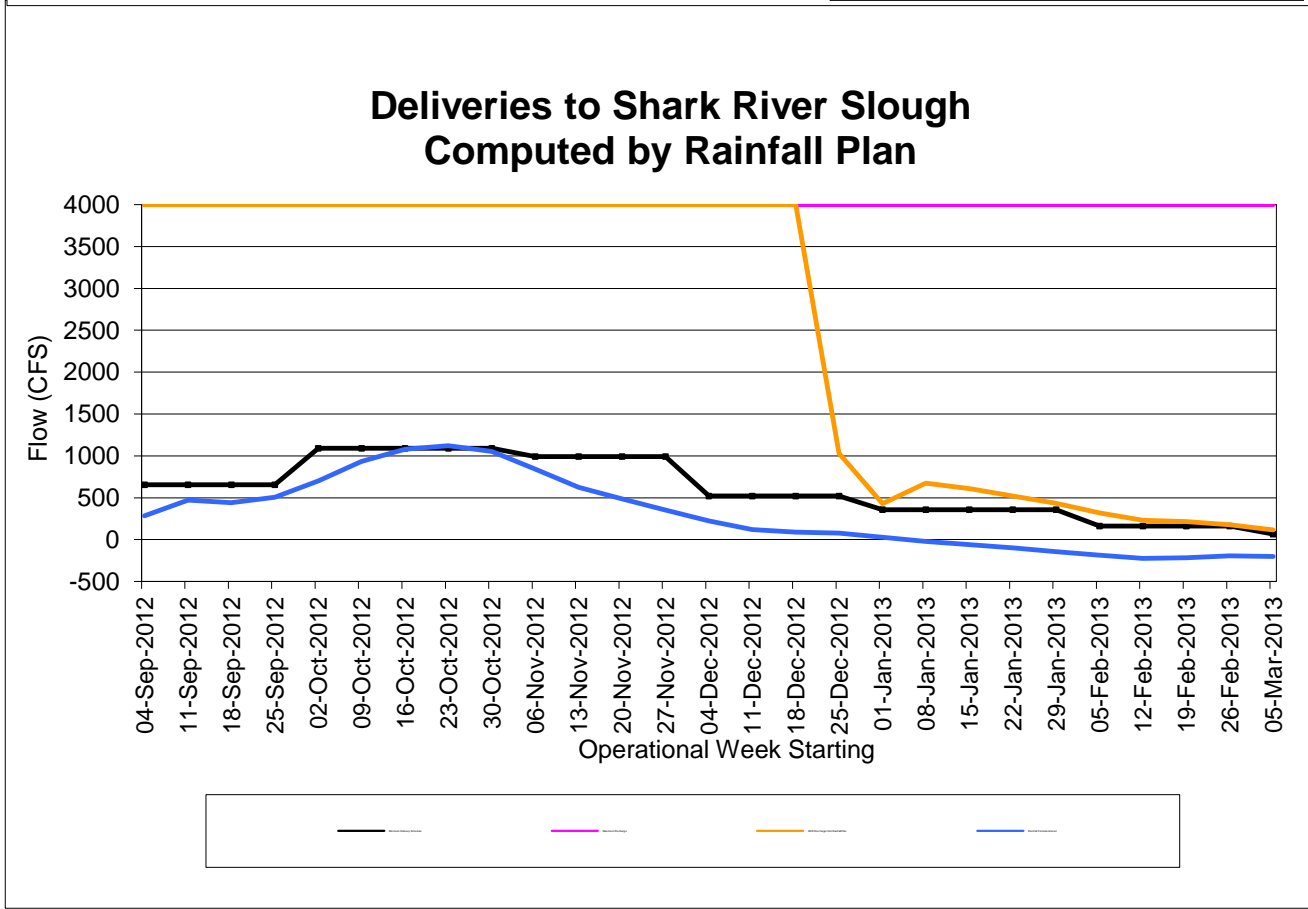
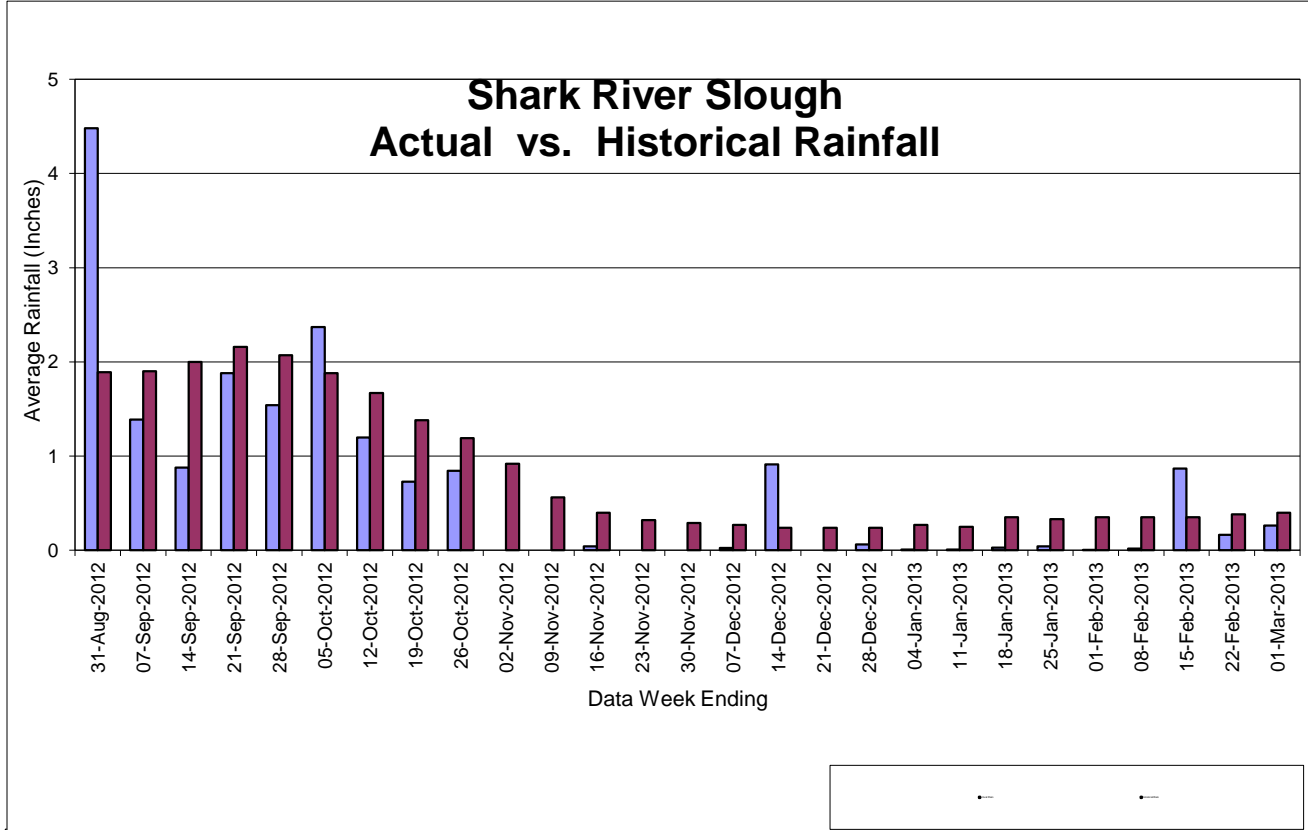
----- Statistical Parameters -----

Rainfall Formula Amount -202 cfs  
 Last Week's Rainfall Formula -193 cfs  
 Pre-Project Mean Discharge 50 cfs

Rainfall Excess Terms  
 RL1 -0.27 RL2 -0.92 RL3 -1.37

**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, 2013 to March 4, 2013 179 cfs

S-12 Discharge 81 cfs  
 S-333 Discharge 98 cfs

----- Data Summary ----- February 15, 2013 to February 22, 2013  
 WCA-3A Stage (end of week) 9.74 ft. msl  
 Angel's 5.27 ft. msl  
 G3273 6.02 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.16	0.95
S-140		1.12
ENP		M

This Week's Avg	0.16	1.03
Pre-Project Avg	0.38	1.08

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

**WCA-3A is in Zone E1**

Supplemental discharge is 179 cfs  
 Distance to Top of Zone E -0.07 feet  
 Distance to Bottom of Regulatory Zone 0.41 feet

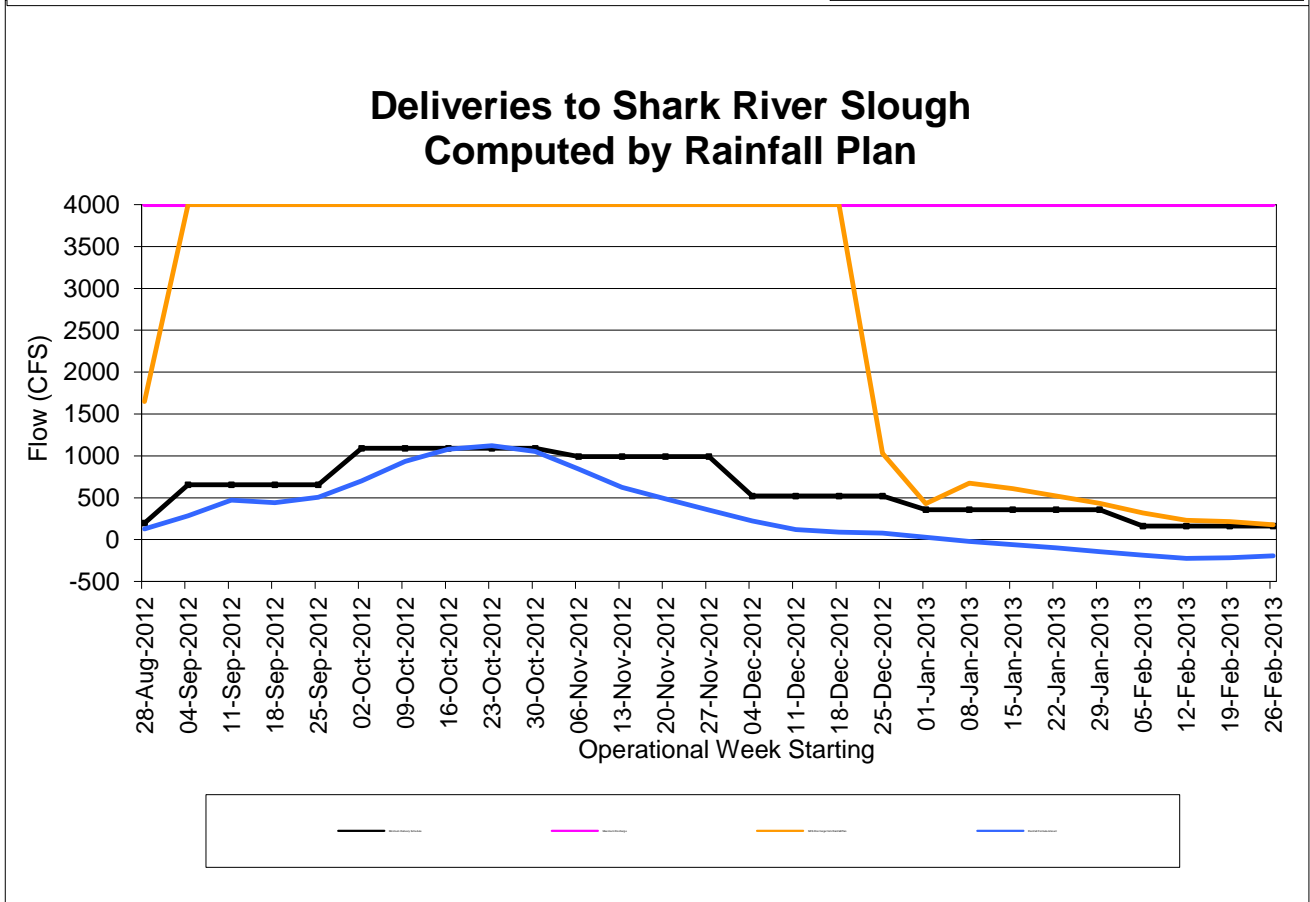
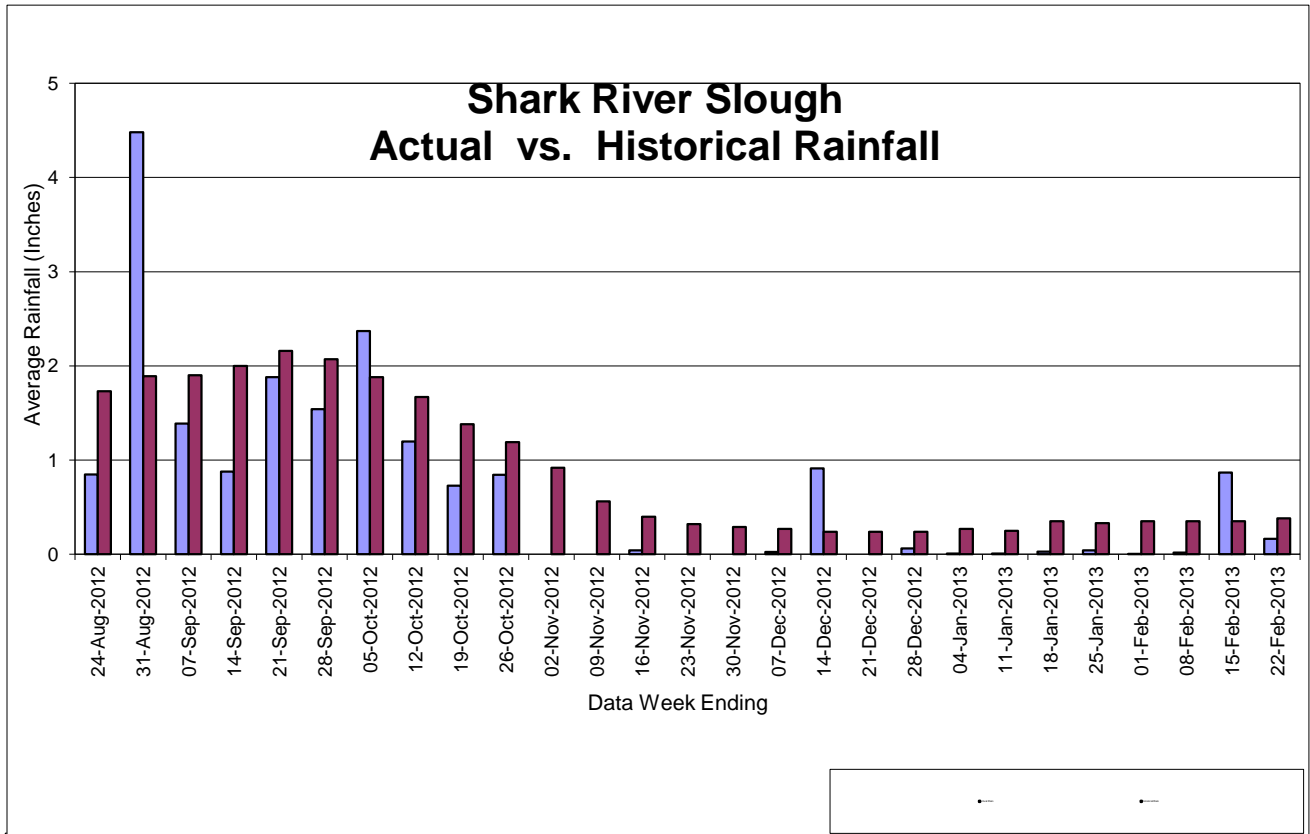
----- Statistical Parameters -----

Rainfall Formula Amount -193 cfs  
 Last Week's Rainfall Formula -218 cfs  
 Pre-Project Mean Discharge 69 cfs

Rainfall Excess Terms  
RL1 0.21 RL2 -1.68 RL3 -1.30

**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, 2013 to February 25, 2013 217 cfs

S-12 Discharge 98 cfs  
 S-333 Discharge 120 cfs

----- Data Summary -----  
 February 8, 2013 to February 15, 2013  
 WCA-3A Stage (end of week) 9.80 ft. msl  
 Angel's 5.34 ft. msl  
 G3273 6.04 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.87	1.11
S-140		1.23
ENP		M

This Week's Avg	0.87	1.17
Pre-Project Avg	0.35	1.01

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

**WCA-3A is in Zone E1**

Supplemental discharge is 217 cfs  
 Distance to Top of Zone E -0.09 feet  
 Distance to Bottom of Regulatory Zone 0.39 feet

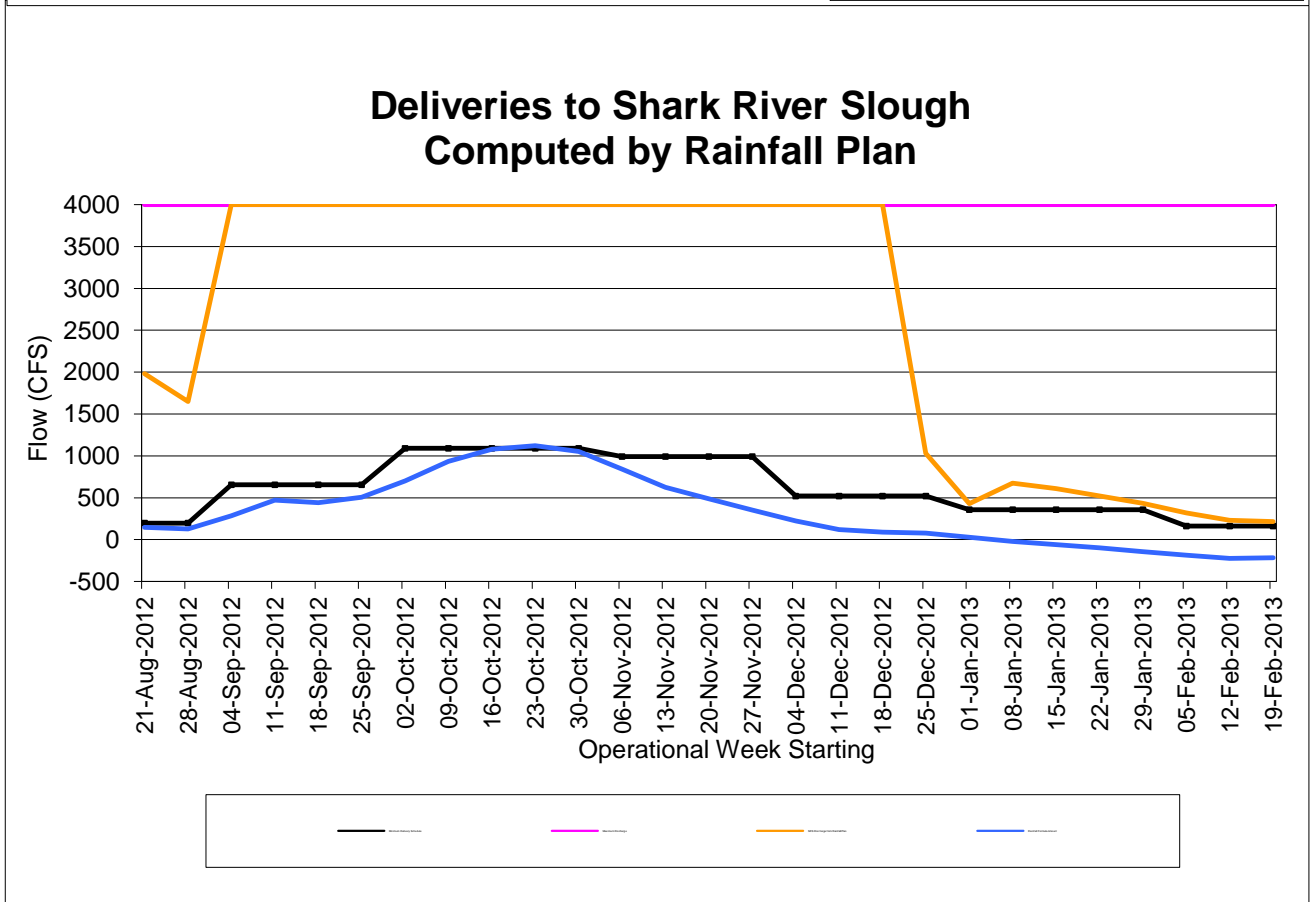
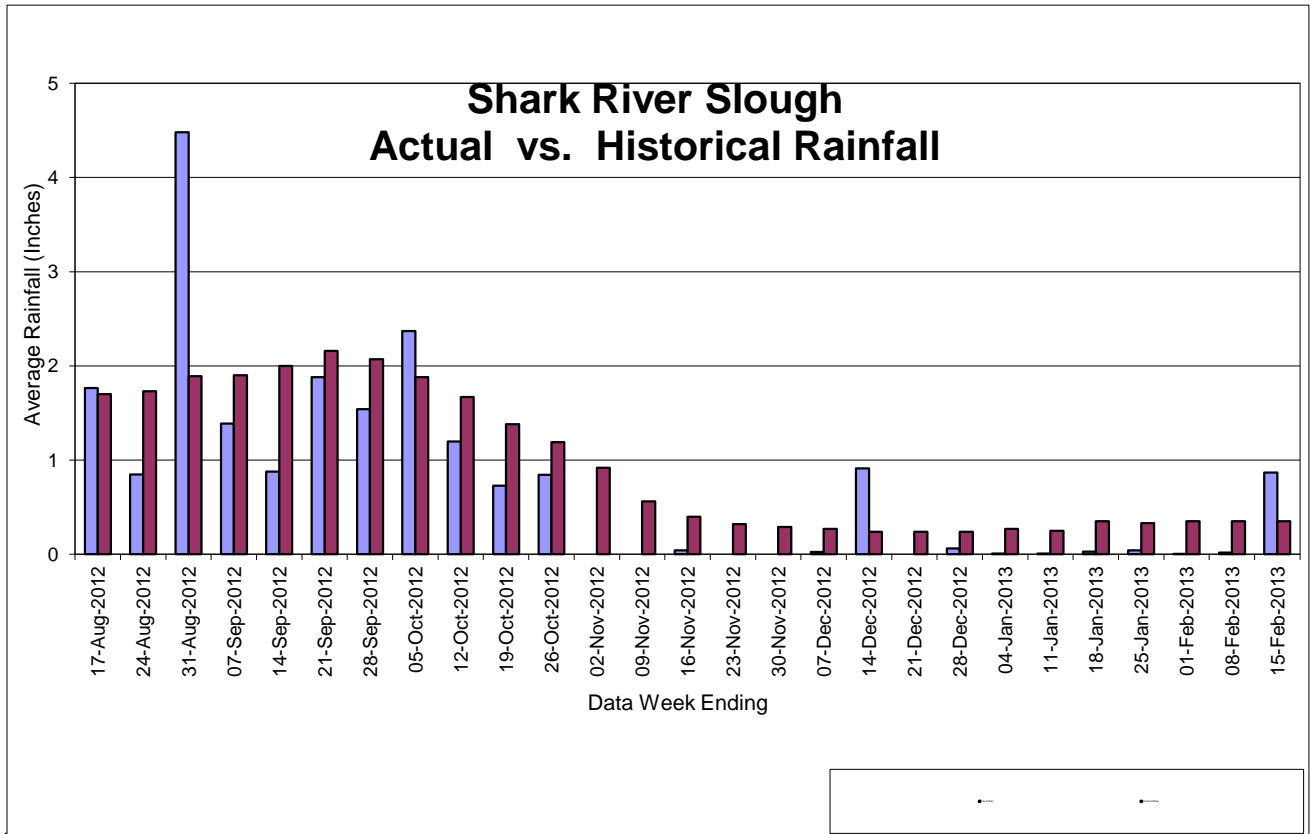
----- Statistical Parameters -----

Rainfall Formula Amount -218 cfs  
 Last Week's Rainfall Formula -225 cfs  
 Pre-Project Mean Discharge 88 cfs

Rainfall Excess Terms  
 RL1 -0.04 RL2 -1.54 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 February 12, 2013 to February 18, 2013 231 cfs

S-12 Discharge 104 cfs  
 S-333 Discharge 127 cfs

----- Data Summary -----  
 February 1, 2013 to February 8, 2013  
 WCA-3A Stage (end of week) 9.85 ft. msl  
 Angel's 5.21 ft. msl  
 G3273 6.02 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.02	1.06
S-140		1.07
ENP		M

This Week's Avg	0.02	1.06
Pre-Project Avg	0.35	0.94

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

**WCA-3A is in Zone E1**

Supplemental discharge is 231 cfs  
 Distance to Top of Zone E -0.09 feet  
 Distance to Bottom of Regulatory Zone 0.39 feet

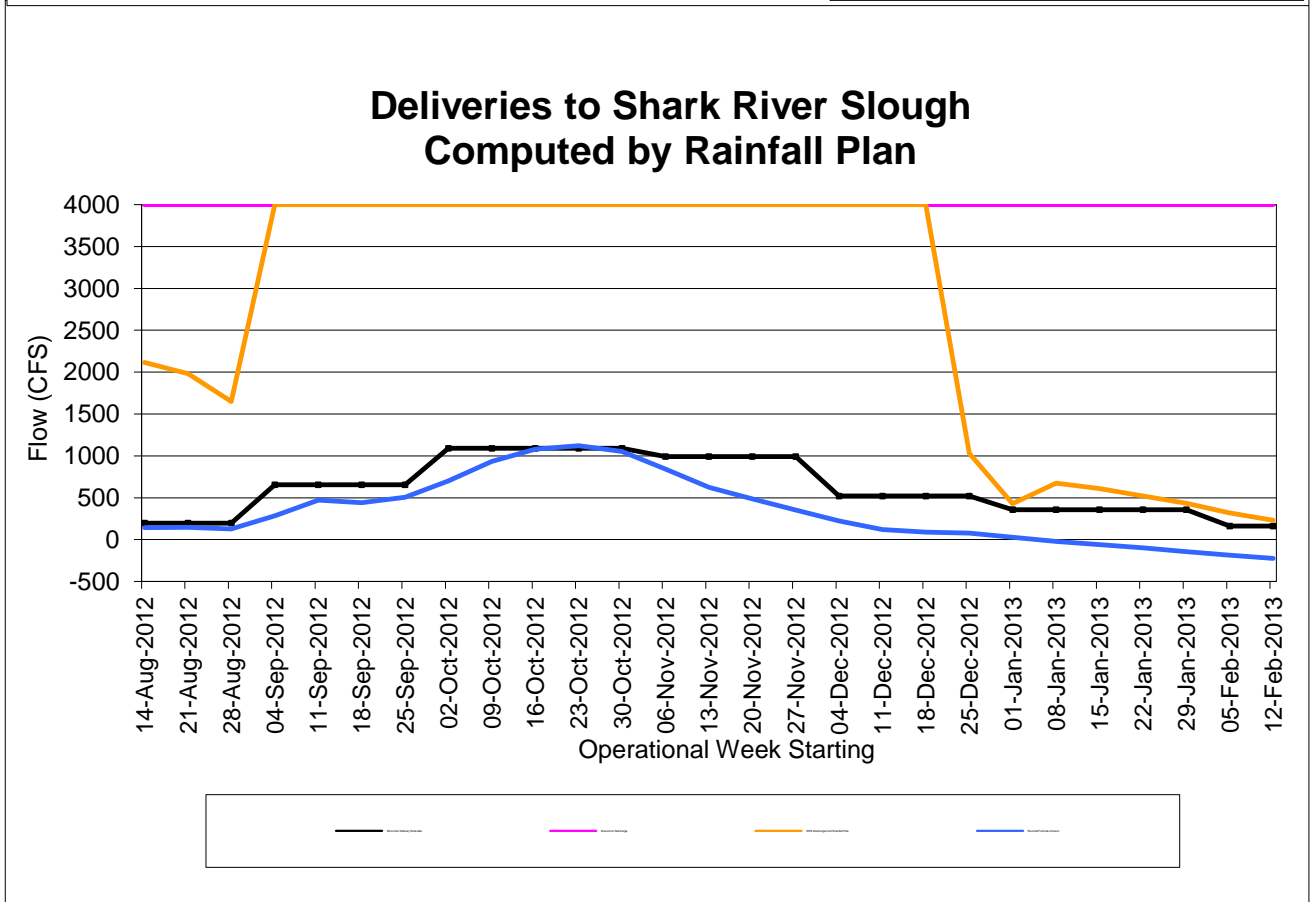
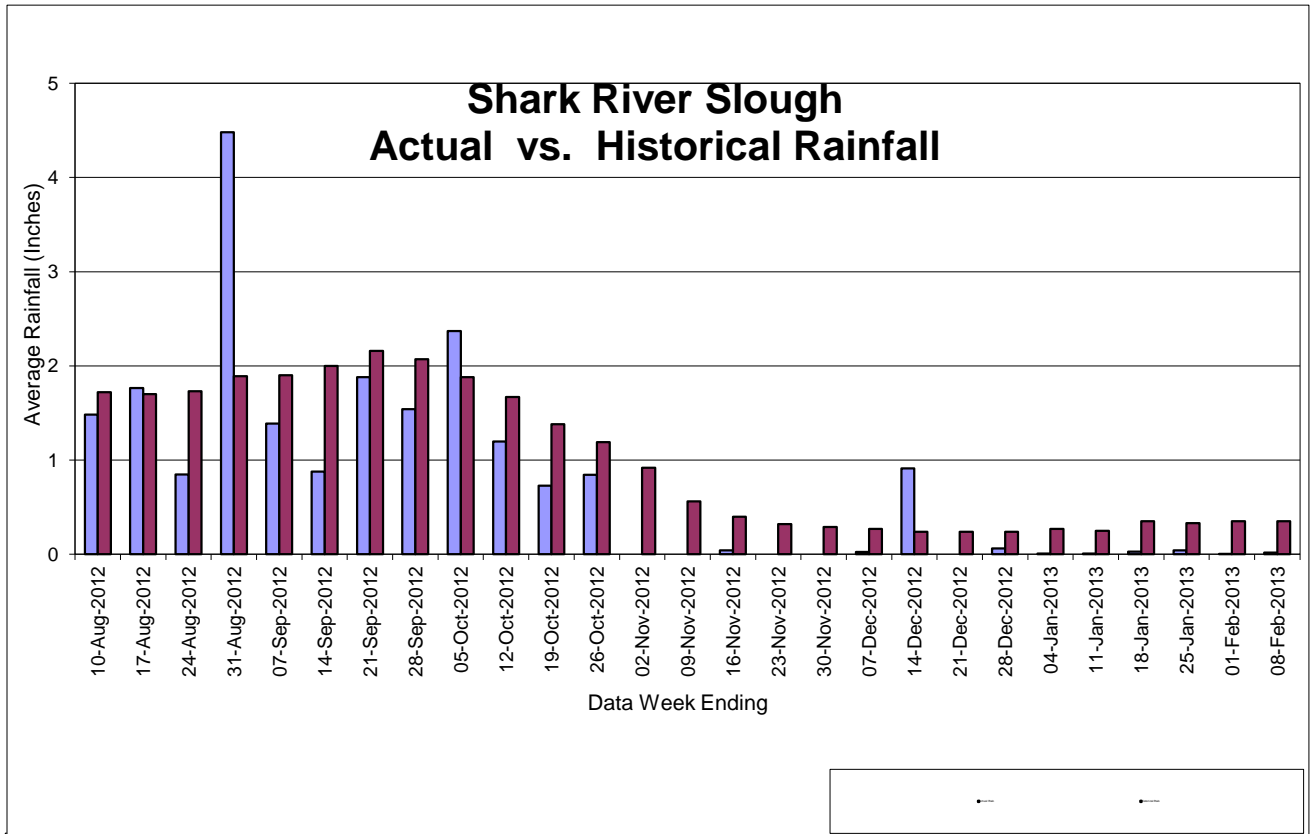
----- Statistical Parameters -----

Rainfall Formula Amount -225 cfs  
 Last Week's Rainfall Formula -185 cfs  
 Pre-Project Mean Discharge 110 cfs

Rainfall Excess Terms  
 RL1 -0.94 RL2 -1.39 RL3 -0.33

**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, 2013 to February 11, 2013 319 cfs

S-12 Discharge 144 cfs  
 S-333 Discharge 176 cfs

----- Data Summary -----  
 January 25, 2013 to February 1, 2013  
 WCA-3A Stage (end of week) 9.93 ft. msl  
 Angel's 5.41 ft. msl  
 G3273 6.21 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	1.05
S-140		1.10
ENP		M

This Week's Avg	0.00	1.07
Pre-Project Avg	0.35	0.88

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

**WCA-3A is in Zone E1**

Supplemental discharge is 319 cfs  
 Distance to Top of Zone E -0.13 feet  
 Distance to Bottom of Regulatory Zone 0.36 feet

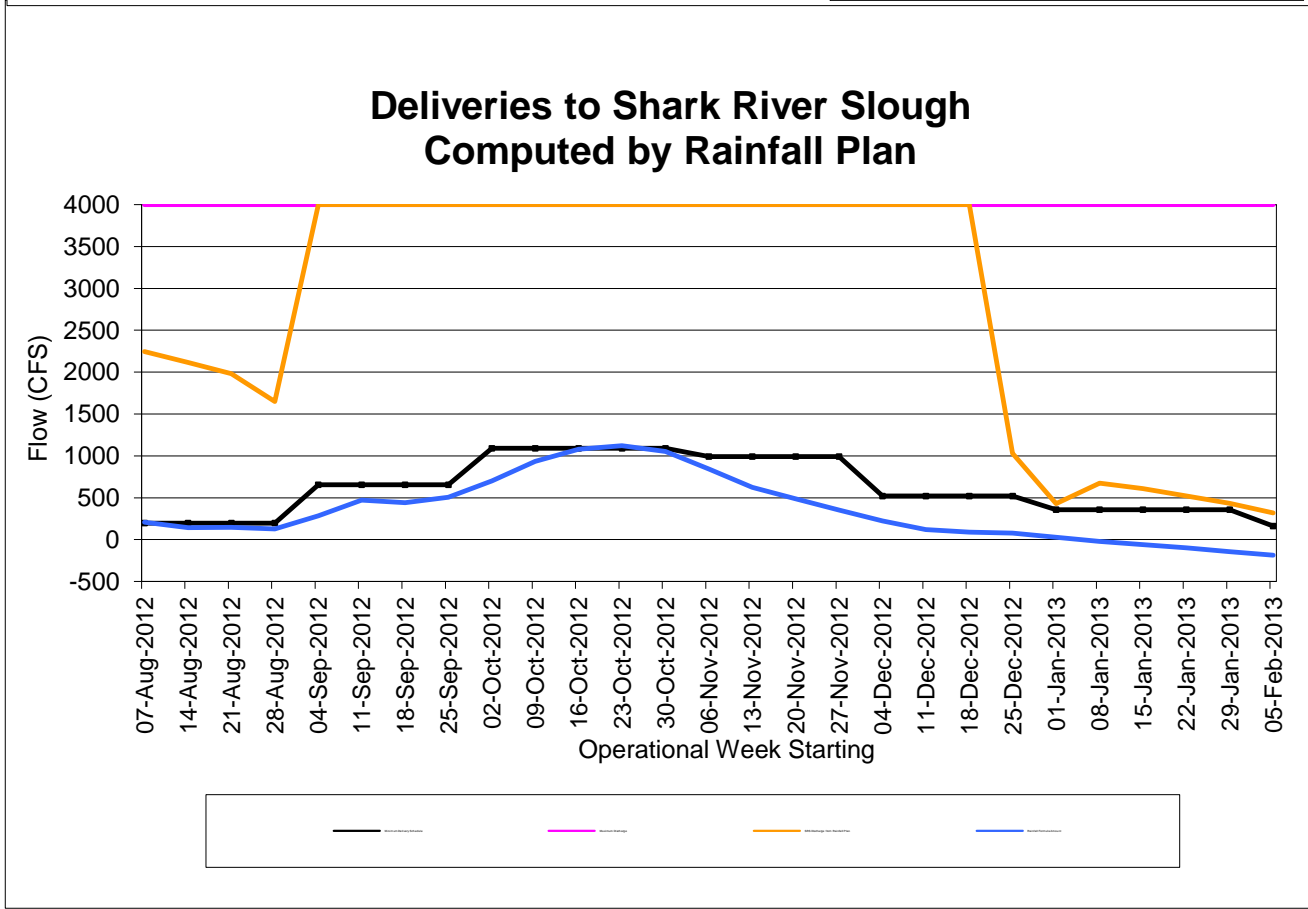
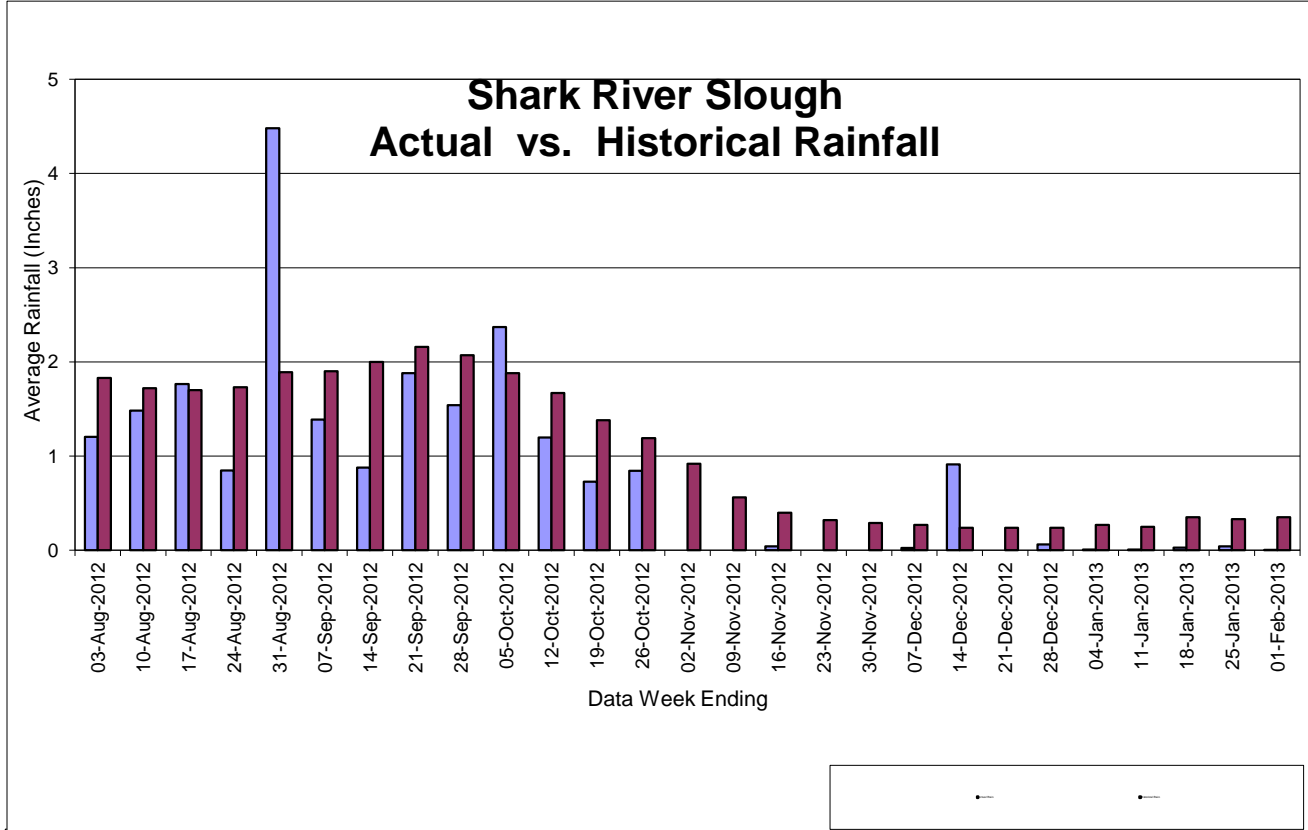
----- Statistical Parameters -----

Rainfall Formula Amount -185 cfs  
 Last Week's Rainfall Formula -144 cfs  
 Pre-Project Mean Discharge 130 cfs

Rainfall Excess Terms  
 RL1 -0.88 RL2 -1.37 RL3 -0.33

**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, 2013 to February 4, 2013 433 cfs

S-12 Discharge 195 cfs  
 S-333 Discharge 238 cfs

----- Data Summary -----  
 January 18, 2013 to January 25, 2013  
 WCA-3A Stage (end of week) 10.02 ft. msl  
 Angel's 5.56 ft. msl  
 G3273 6.34 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.04	0.99
S-140		0.88
ENP		M

This Week's Avg	0.04	0.94
Pre-Project Avg	0.33	0.83

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

**WCA-3A is in Zone E1**

Supplemental discharge is 433 cfs  
 Distance to Top of Zone E -0.17 feet  
 Distance to Bottom of Regulatory Zone 0.31 feet

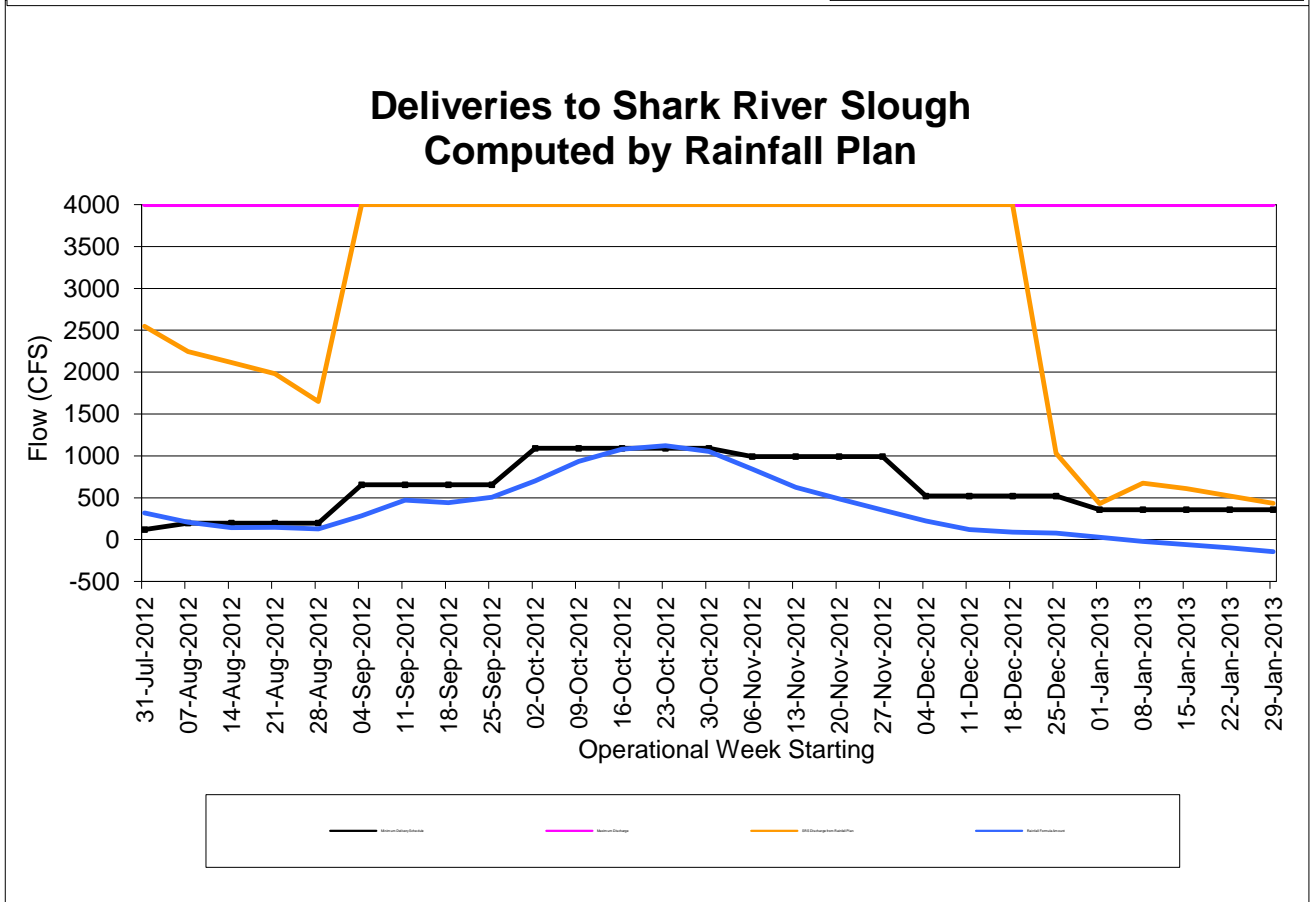
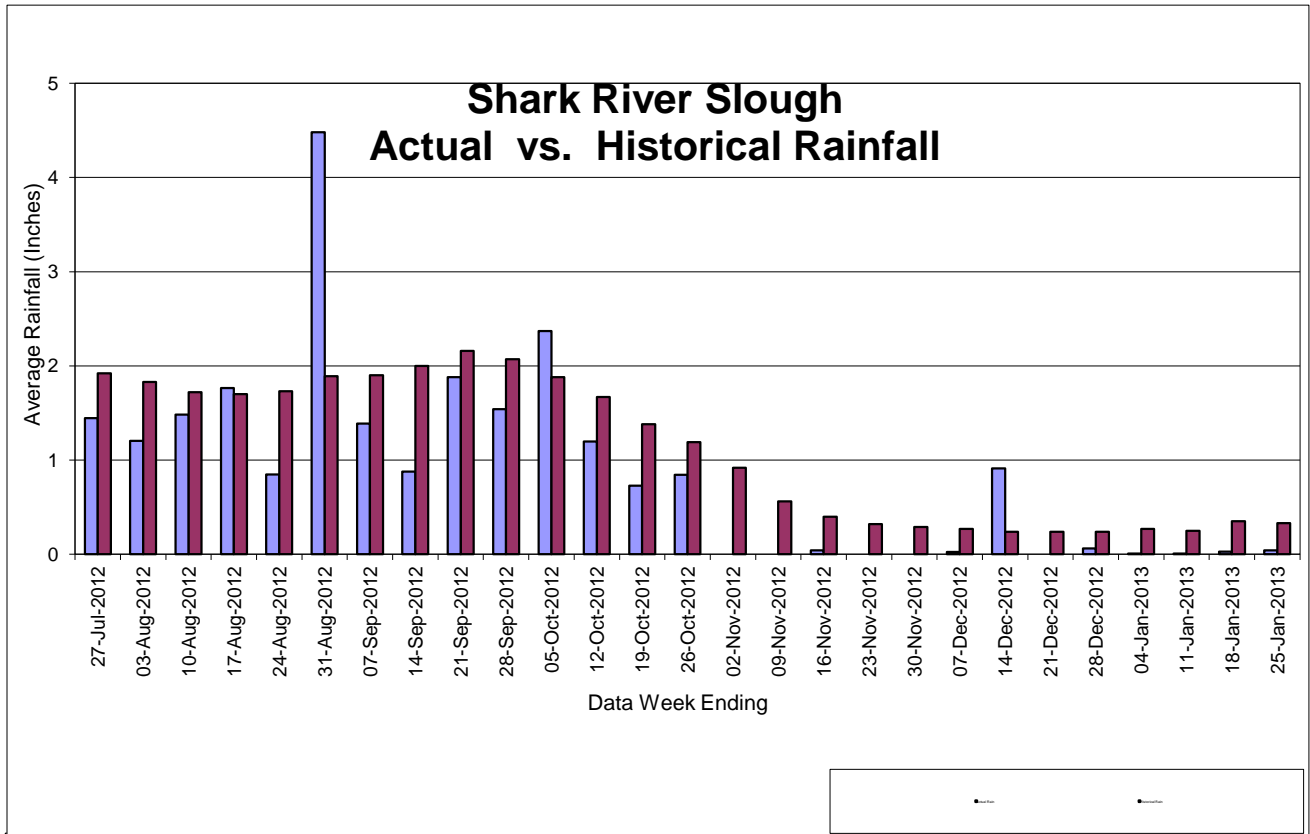
----- Statistical Parameters -----

Rainfall Formula Amount -144 cfs  
 Last Week's Rainfall Formula -98 cfs  
 Pre-Project Mean Discharge 153 cfs

Rainfall Excess Terms  
 RL1 -0.75 RL2 -1.30 RL3 -0.39

**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, 2013 to January 28, 2013 521 cfs

S-12 Discharge 234 cfs  
 S-333 Discharge 287 cfs

----- Data Summary -----  
 January 11, 2013 to January 18, 2013  
 WCA-3A Stage (end of week) 10.10 ft. msl  
 Angel's 5.62 ft. msl  
 G3273 6.44 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.03	0.83
S-140		0.93
ENP		M

This Week's Avg	0.03	0.88
Pre-Project Avg	0.35	0.81

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

**WCA-3A is in Zone E1**

Supplemental discharge is 521 cfs  
 Distance to Top of Zone E -0.21 feet  
 Distance to Bottom of Regulatory Zone 0.28 feet

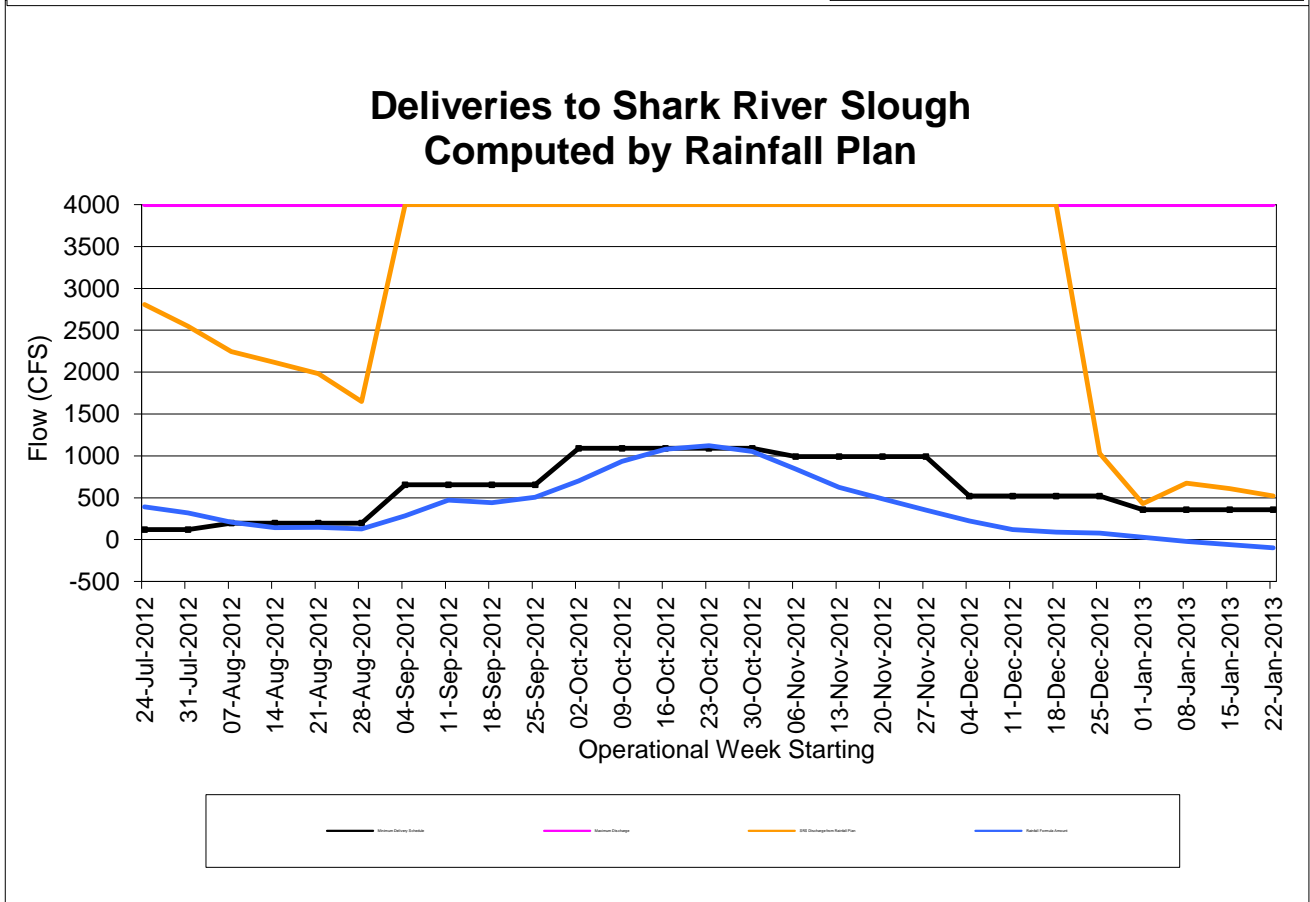
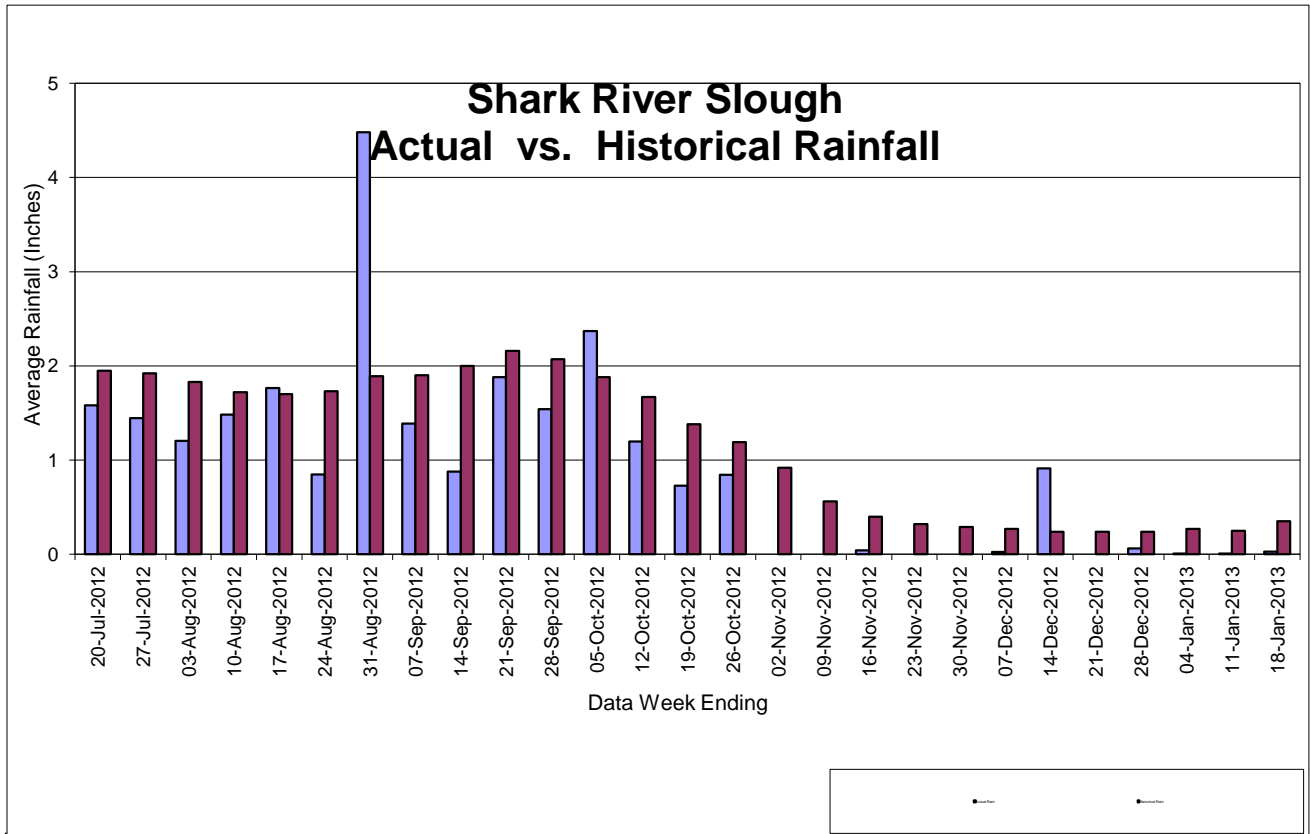
----- Statistical Parameters -----

Rainfall Formula Amount -98 cfs  
 Last Week's Rainfall Formula -59 cfs  
 Pre-Project Mean Discharge 186 cfs

Rainfall Excess Terms  
 RL1 -0.66 RL2 -0.45 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

Target Flow January 15, 2013 to January 21, 2013 609 cfs

S-12 Discharge 274 cfs  
 S-333 Discharge 335 cfs

----- Data Summary -----  
 January 4, 2013 to January 11, 2013  
 WCA-3A Stage (end of week) 10.18 ft. msl  
 Angel's 5.64 ft. msl  
 G3273 6.54 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.01	0.82
S-140		0.82
ENP		M

This Week's Avg	0.01	0.82
Pre-Project Avg	0.25	0.77

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

**WCA-3A is in Zone E1**

Supplemental discharge is 609 cfs  
 Distance to Top of Zone E -0.24 feet  
 Distance to Bottom of Regulatory Zone 0.25 feet

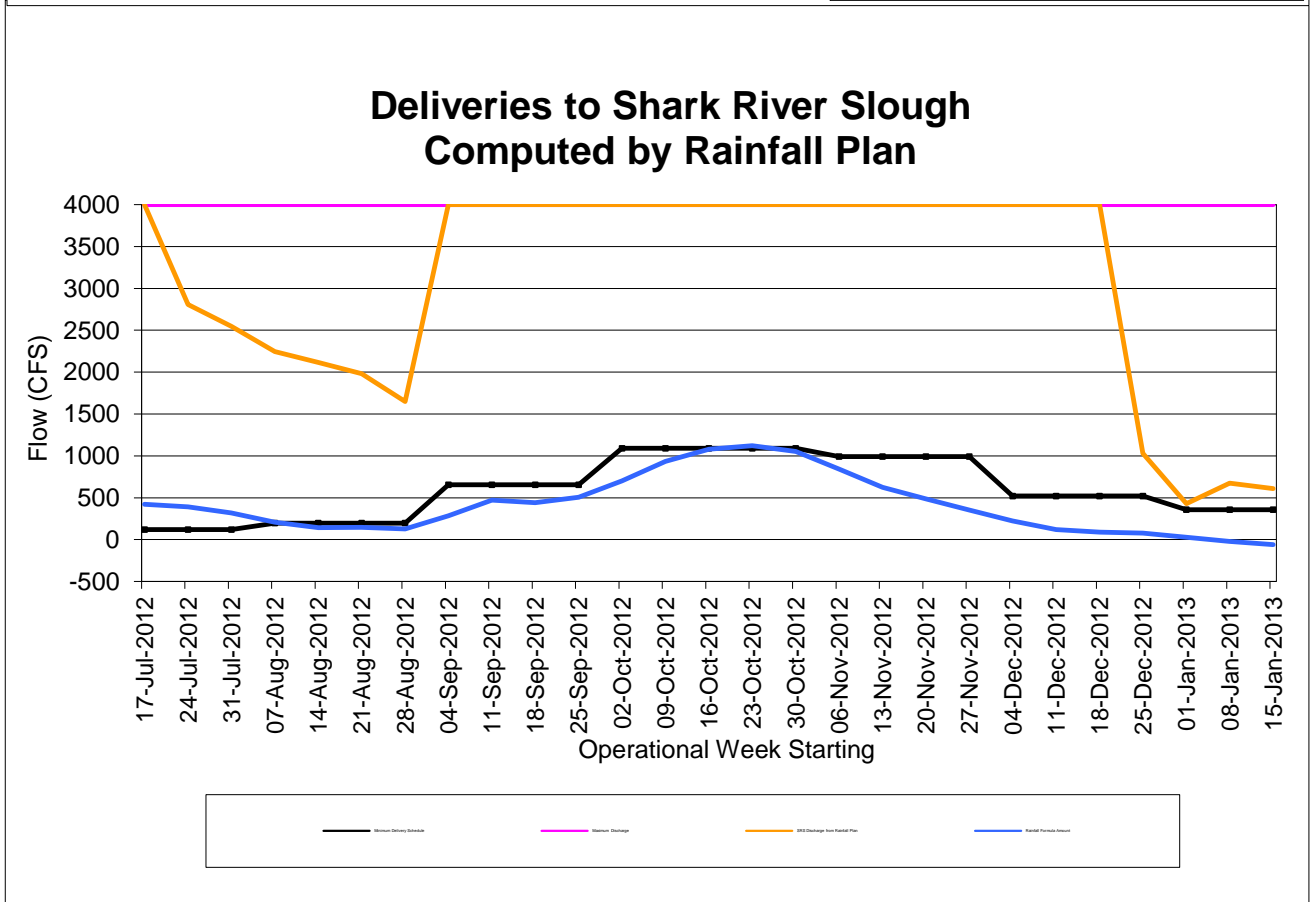
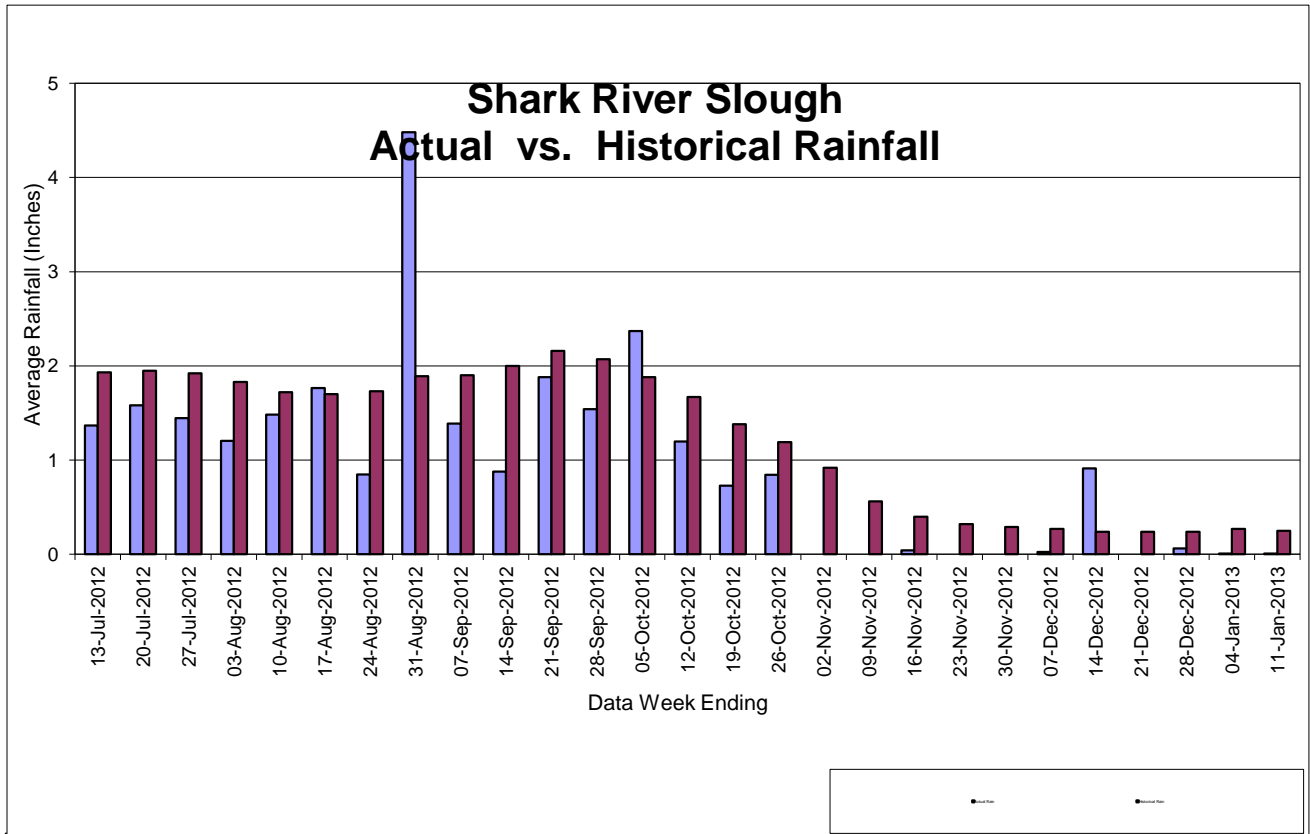
----- Statistical Parameters -----

Rainfall Formula Amount -59 cfs  
 Last Week's Rainfall Formula -20 cfs  
 Pre-Project Mean Discharge 216 cfs

Rainfall Excess Terms  
 RL1 -0.64 RL2 -0.33 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

Target Flow January 8, 2013 to January 14, 2013 673 cfs

S-12 Discharge 303 cfs  
 S-333 Discharge 370 cfs

----- Data Summary -----      December 28, 2012 to January 4, 2013  
 WCA-3A Stage (end of week)      10.25 ft. msl  
 Angel's      5.58 ft. msl  
 G3273      6.61 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.01	0.76
S-140		0.98
ENP		M

This Week's Avg	0.01	0.87
Pre-Project Avg	0.27	0.75

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

**WCA-3A is in Zone E1**

Supplemental discharge is 673 cfs  
 Distance to Top of Zone E -0.27 feet  
 Distance to Bottom of Regulatory Zone 0.22 feet

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

Rainfall Formula Amount -20 cfs  
 Last Week's Rainfall Formula 28 cfs  
 Pre-Project Mean Discharge 247 cfs

Rainfall Excess Terms

RL1 -0.71	RL2 -0.33	RL3 -2.48
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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.**

