

## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 3, 2012 to January 9, 2012 578 cfs

S-12 Discharge 260 cfs  
 S-333 Discharge 318 cfs

----- Data Summary ----- December 23, 2011 to December 30, 2011  
 WCA-3A Stage (end of week) 10.41 ft. msl  
 Angel's 5.83 ft. msl  
 G3273 6.60 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.01	0.78
S-140		0.92
ENP		M

This Week's Avg	0.01	0.85
Pre-Project Avg	0.24	0.75

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.09 feet  
 Distance to Bottom of Regulatory Zone 0.34 feet

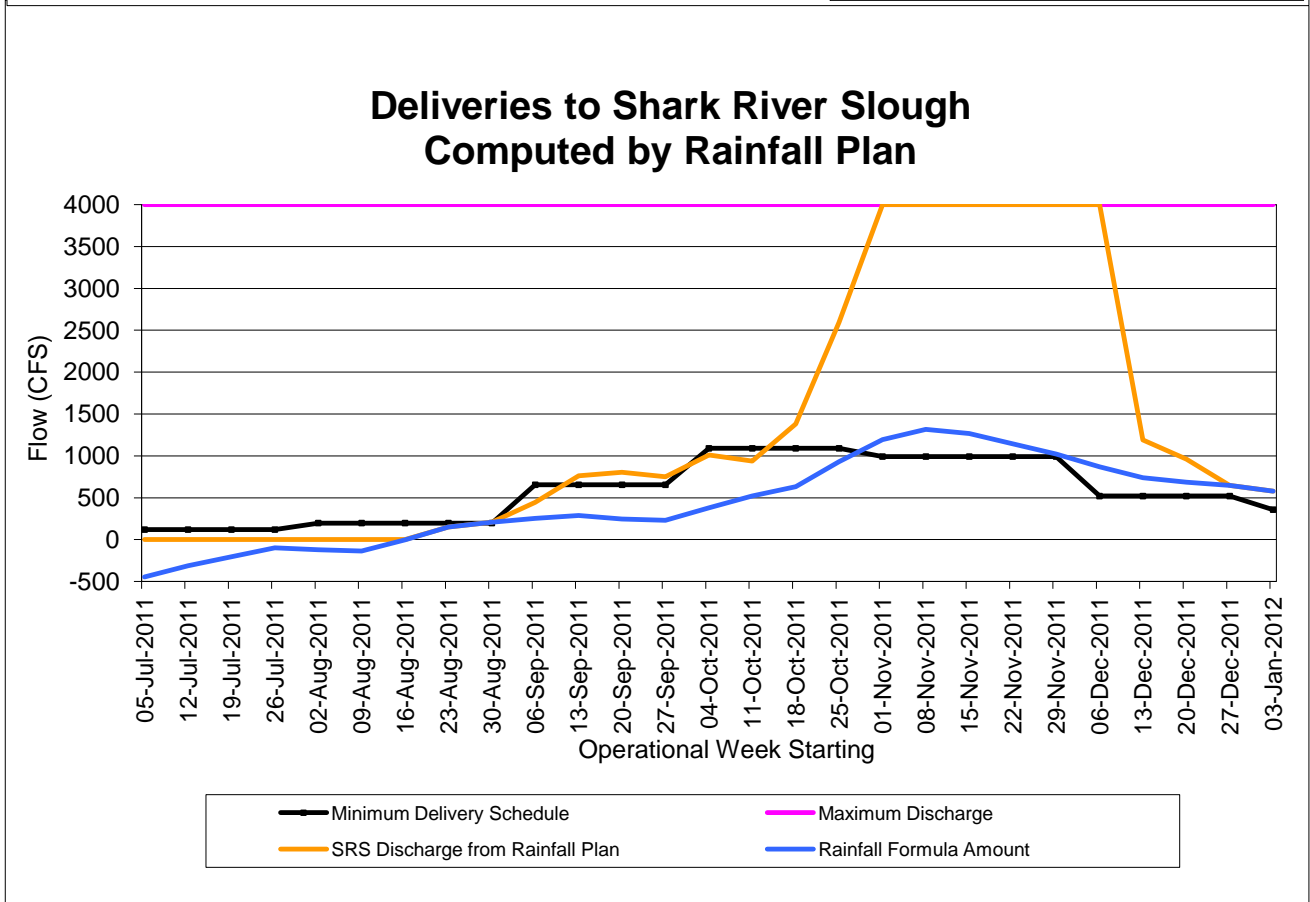
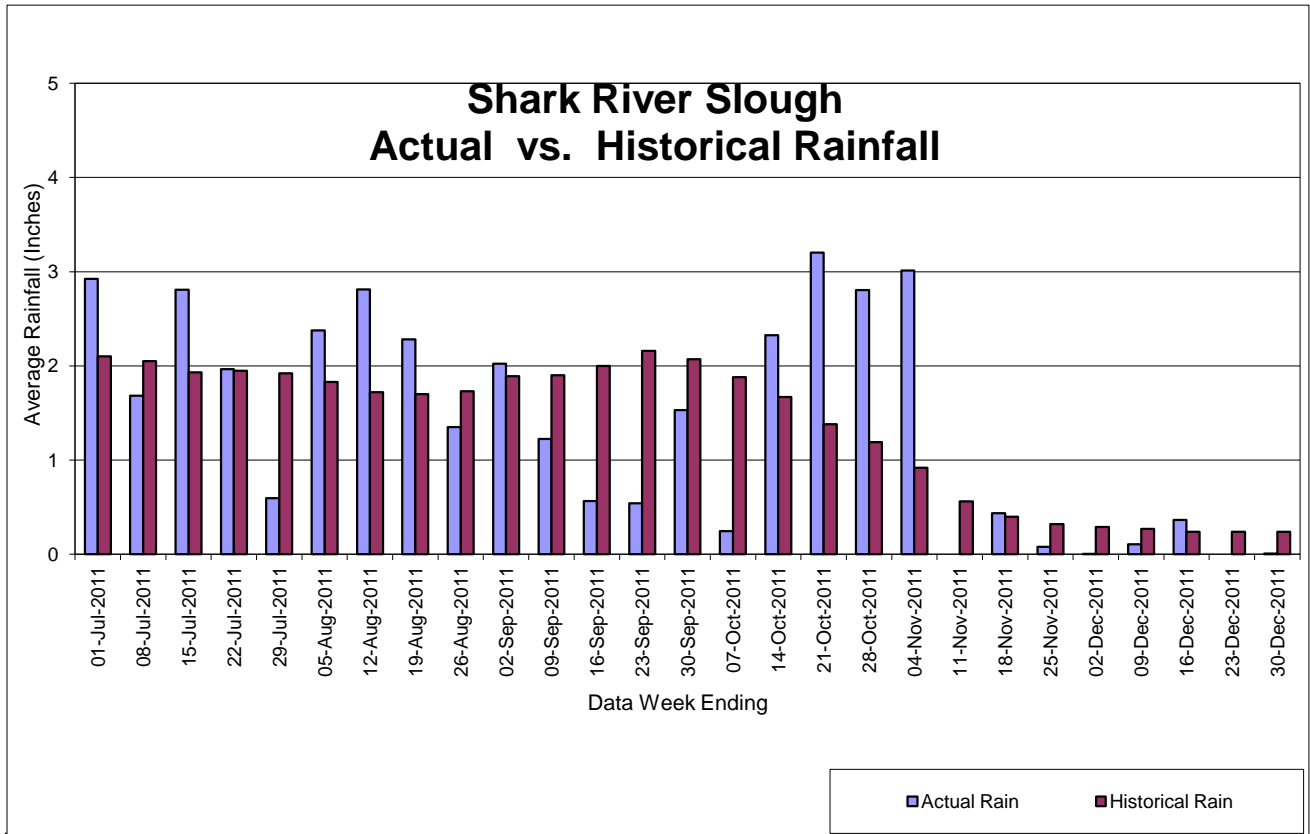
----- Statistical Parameters -----

Rainfall Formula Amount 578 cfs  
 Last Week's Rainfall Formula 646 cfs  
 Pre-Project Mean Discharge 281 cfs

Rainfall Excess Terms  
 RL1 -0.50 RL2 -0.51 RL3 3.07

**COMMENT: S7 and S140 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 27, 2011 to January 2, 2012 646 cfs

S-12 Discharge 291 cfs  
 S-333 Discharge 355 cfs

----- Data Summary -----      December 16, 2011 to December 23, 2011  
 WCA-3A Stage (end of week)      10.50 ft. msl  
 Angel's      5.93 ft. msl  
 G3273      6.68 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	0.69
S-140		0.68
ENP		M

This Week's Avg	0.00	0.69
Pre-Project Avg	0.24	0.76

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.00 feet  
 Distance to Bottom of Regulatory Zone 0.25 feet

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

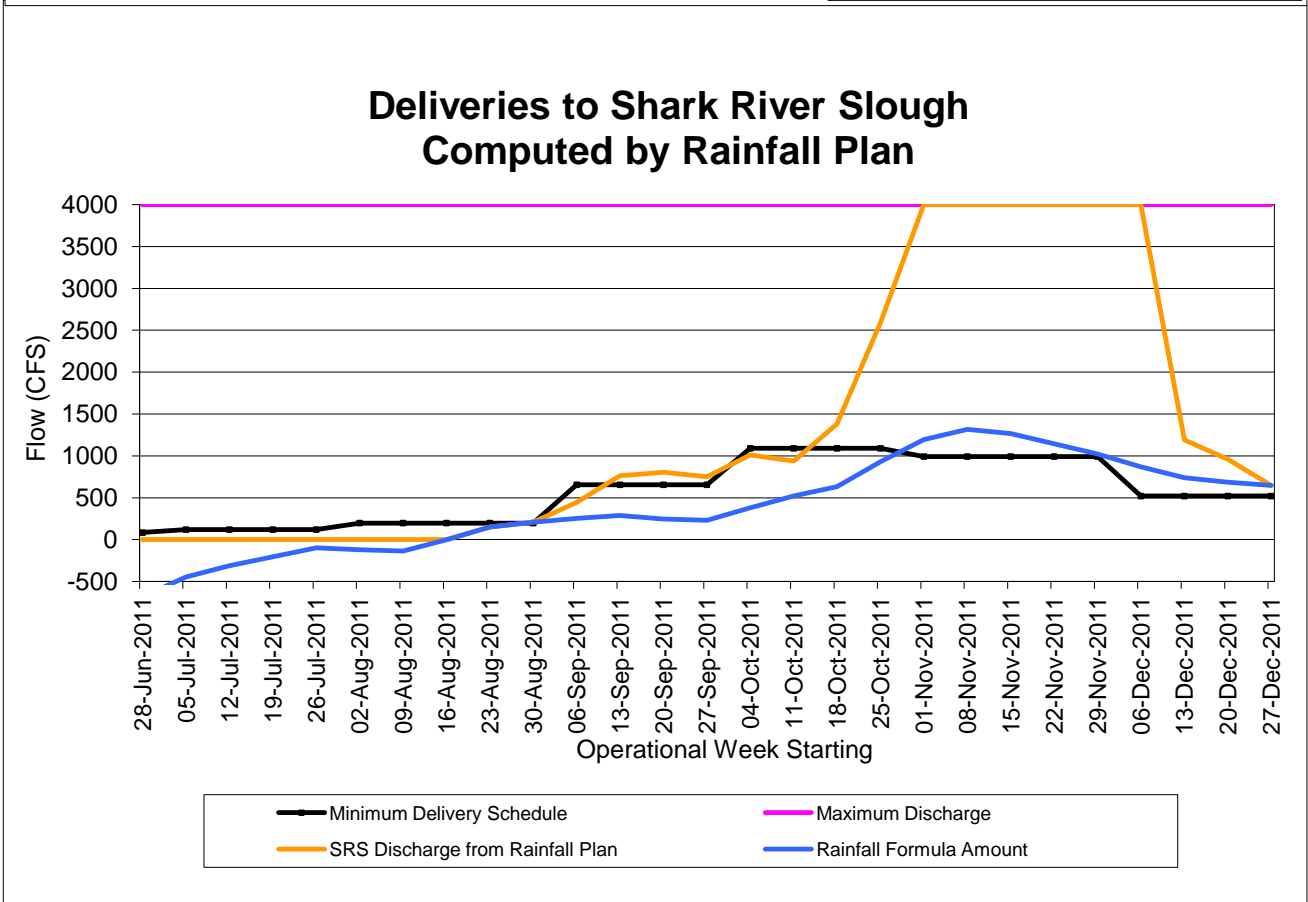
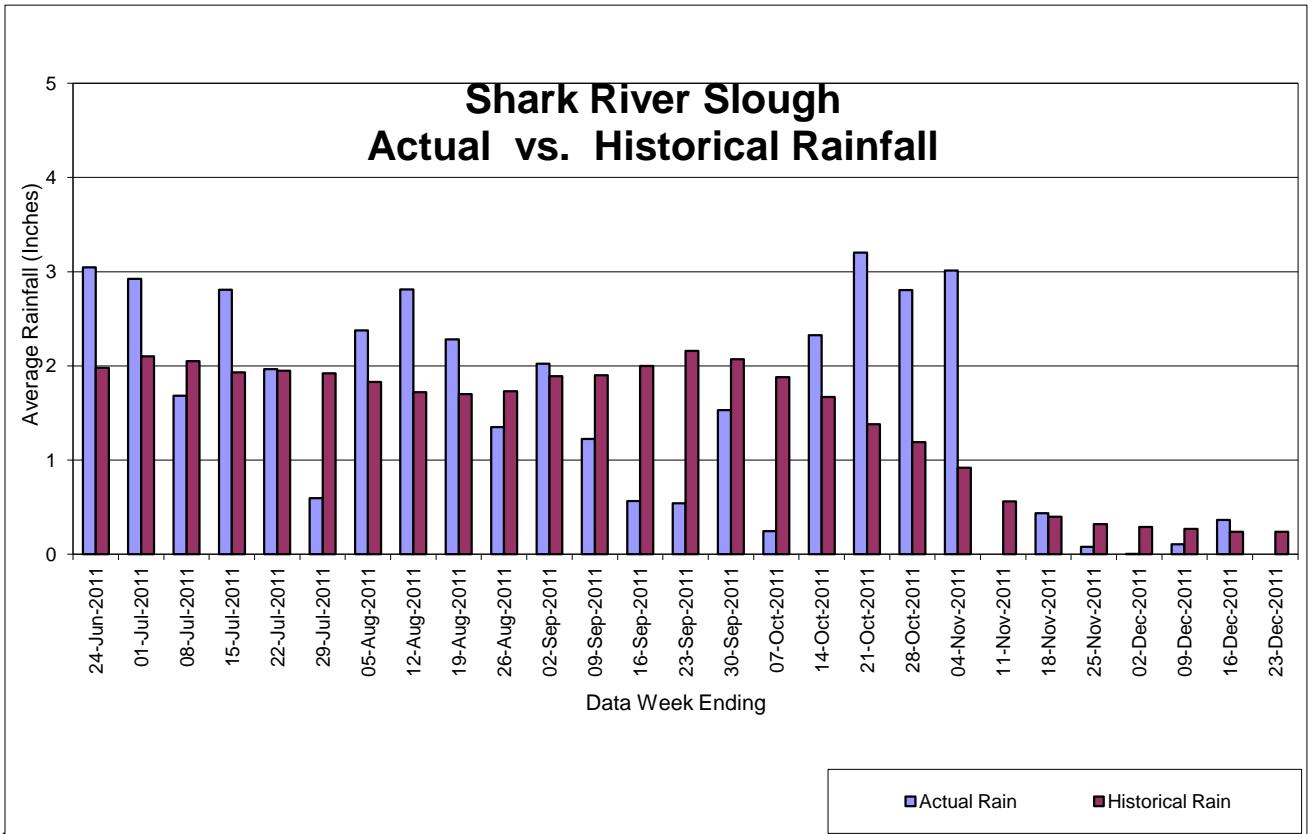
Rainfall Formula Amount 646 cfs  
 Last Week's Rainfall Formula 686 cfs  
 Pre-Project Mean Discharge 321 cfs

Rainfall Excess Terms

RL1 -0.01	RL2 -0.63	RL3 4.90
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**COMMENT: S7 and S140 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 20, 2011 to December 26, 2011 961 cfs

S-12 Discharge 432 cfs  
 S-333 Discharge 528 cfs

----- Data Summary -----  
 December 9, 2011 to December 16, 2011  
 WCA-3A Stage (end of week) 10.61 ft. msl  
 Angel's 6.01 ft. msl  
 G3273 6.74 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.36	0.72
S-140		0.71
ENP		M

This Week's Avg	0.36	0.72
Pre-Project Avg	0.24	0.78

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

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

Supplemental discharge is 275 cfs  
 Distance to Bottom of Transition Zone -0.11 feet  
 Distance to Bottom of Regulatory Zone 0.14 feet

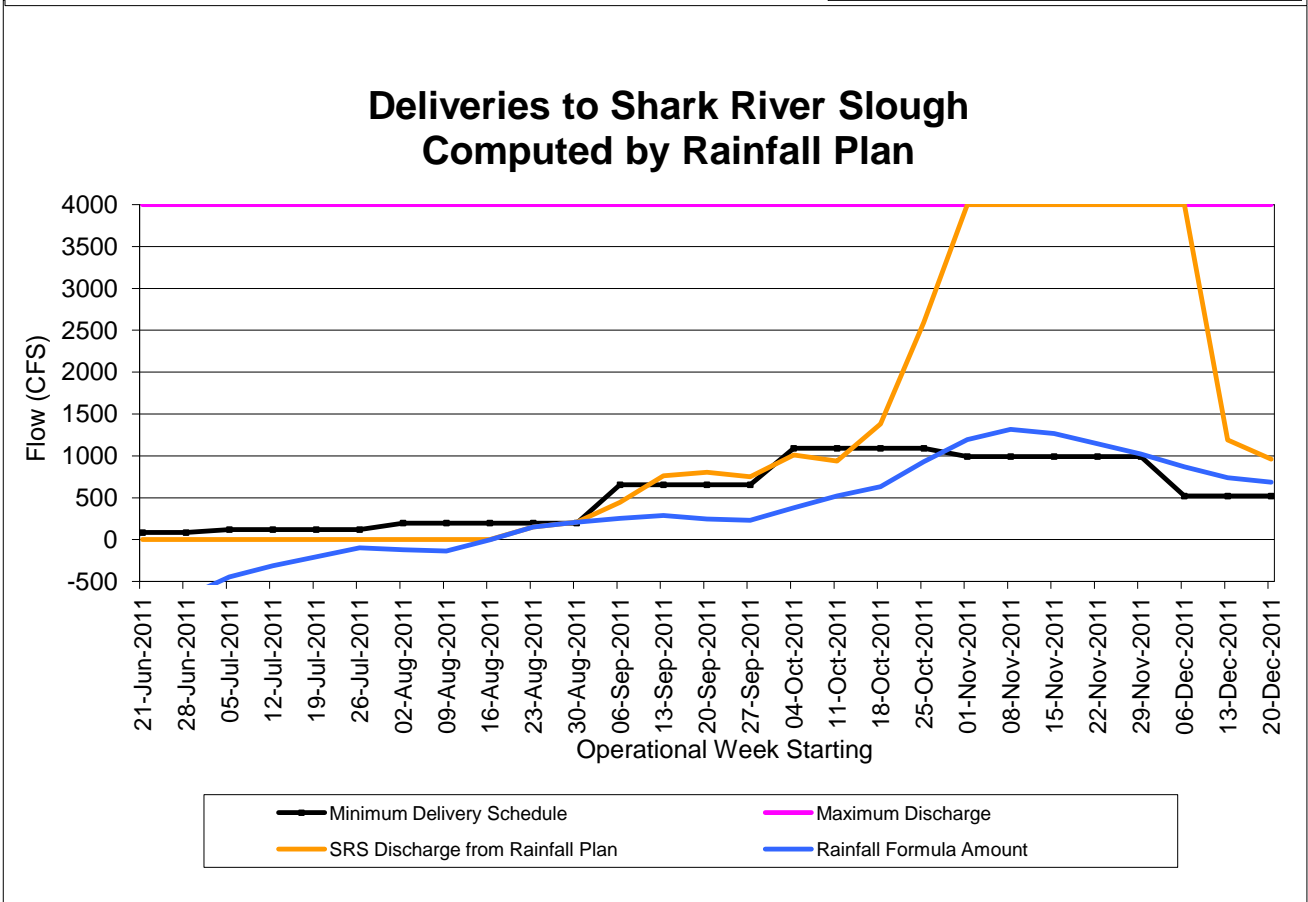
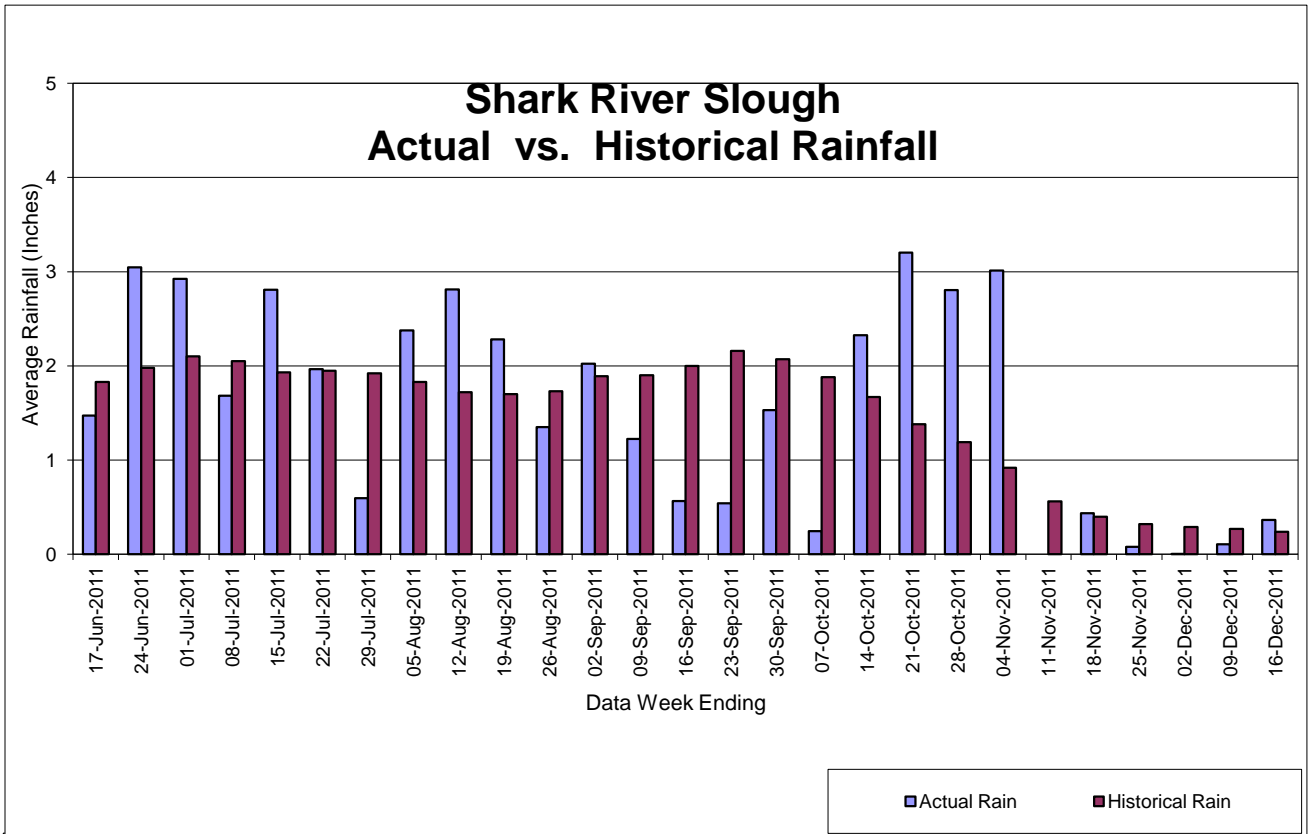
----- Statistical Parameters -----

Rainfall Formula Amount 686 cfs  
 Last Week's Rainfall Formula 740 cfs  
 Pre-Project Mean Discharge 376 cfs

Rainfall Excess Terms  
 RL1 0.06 RL2 -1.12 RL3 5.81

**COMMENT: S7 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 13, 2011 to December 19, 2011 1190 cfs

S-12 Discharge 536 cfs  
 S-333 Discharge 655 cfs

----- Data Summary -----  
 December 2, 2011 to December 9, 2011  
 WCA-3A Stage (end of week) 10.68 ft. msl  
 Angel's 5.95 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	0.11	0.81
S-140		0.68
ENP		M

This Week's Avg	0.11	0.74
Pre-Project Avg	0.27	0.80

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

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

Supplemental discharge is 450 cfs  
 Distance to Bottom of Transition Zone -0.18 feet  
 Distance to Bottom of Regulatory Zone 0.07 feet

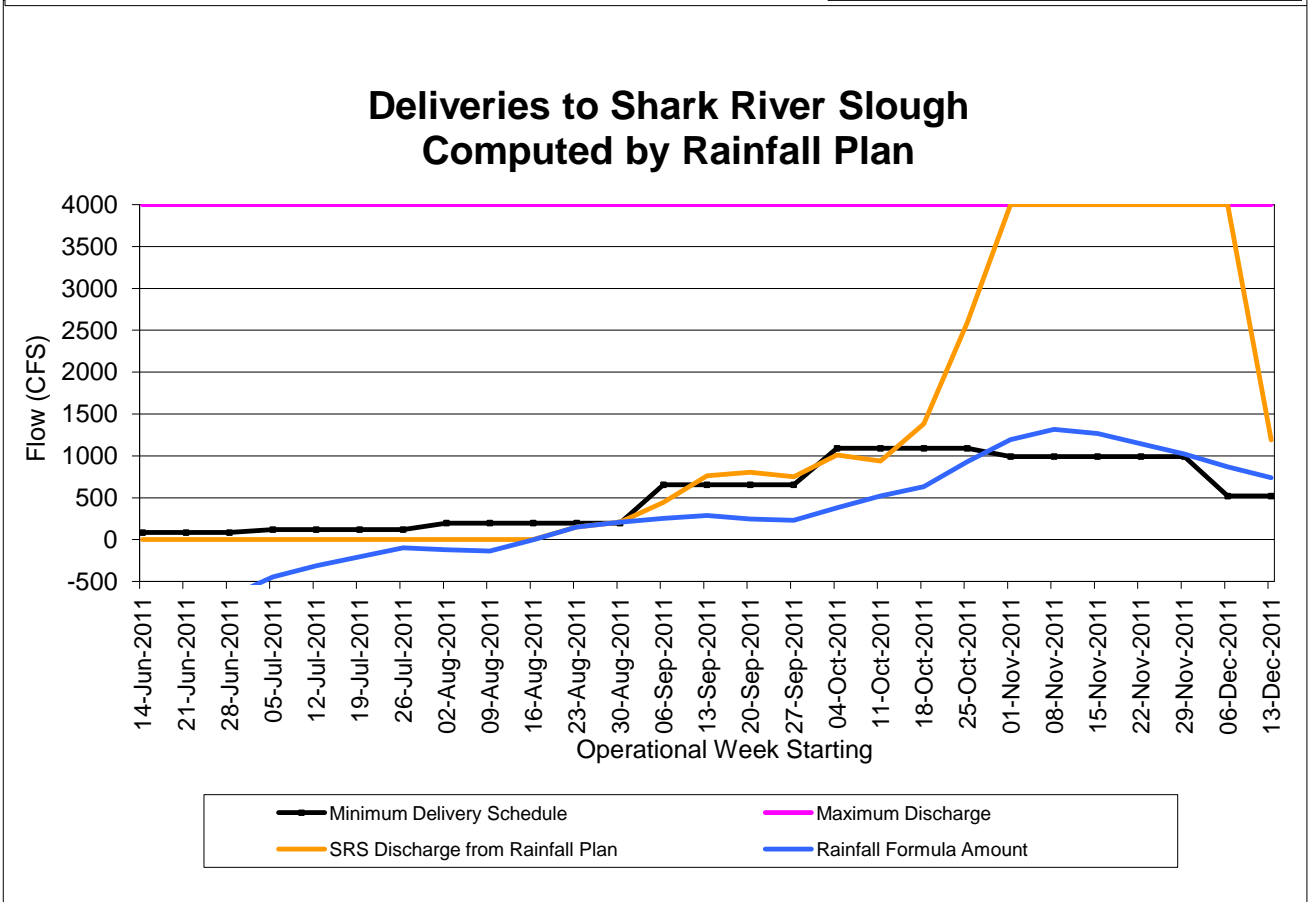
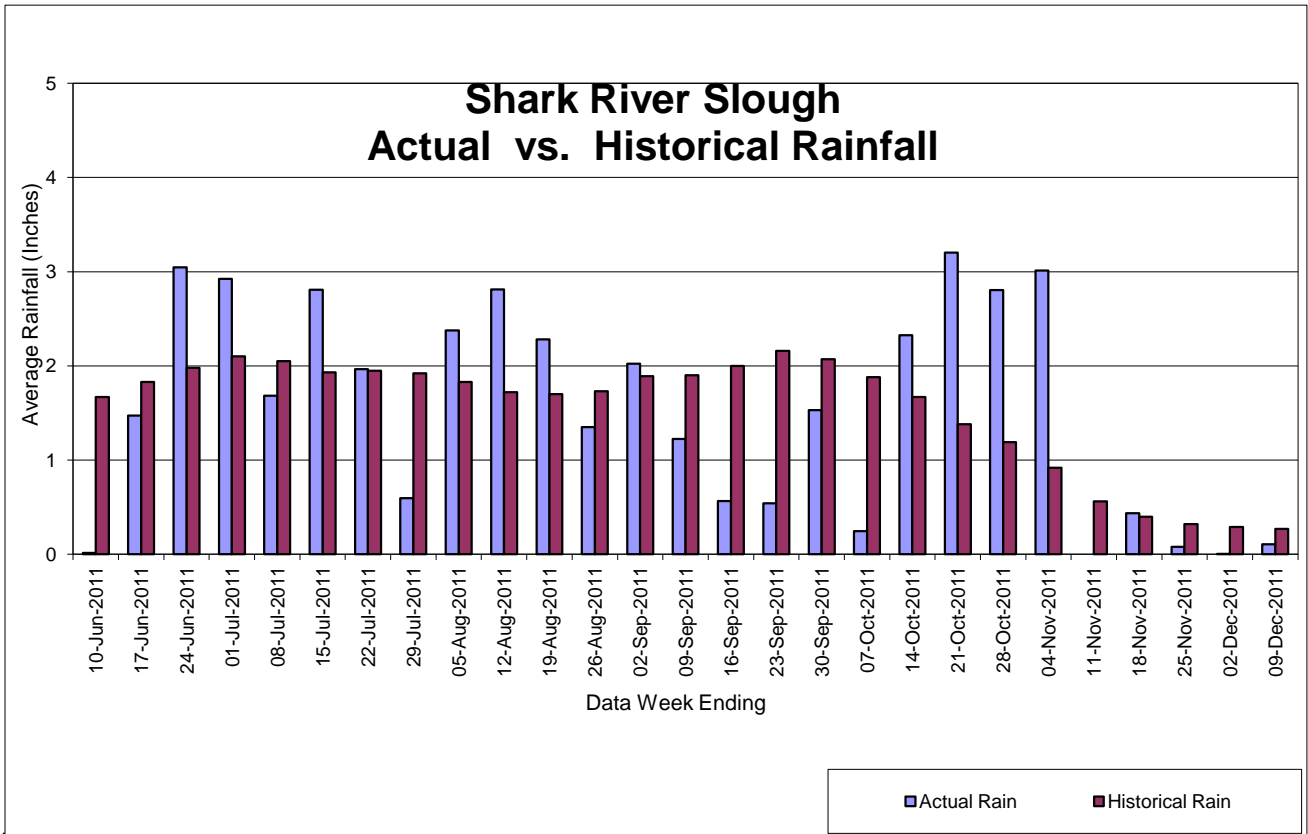
----- Statistical Parameters -----

Rainfall Formula Amount 740 cfs  
 Last Week's Rainfall Formula 868 cfs  
 Pre-Project Mean Discharge 462 cfs

Rainfall Excess Terms  
 RL1 -0.49 RL2 1.31 RL3 1.84

**COMMENT: S7 and S140 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 6, 2011 to December 12, 2011 **MAX** cfs

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

----- Data Summary ----- November 25, 2011 to December 2, 2011  
 WCA-3A Stage (end of week) 10.82 ft. msl  
 Angel's 6.07 ft. msl  
 G3273 6.74 ft. msl

Station	Rainfall (in)	Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation	0.01	0.92
S-140		0.93
ENP		M

	0.01	0.92
This Week's Avg	0.29	0.82
Pre-Project Avg		

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

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

Supplemental discharge is MAX cfs  
 Distance to Bottom of Transition Zone -0.32 feet  
 Distance to Bottom of Regulatory Zone -0.07 feet

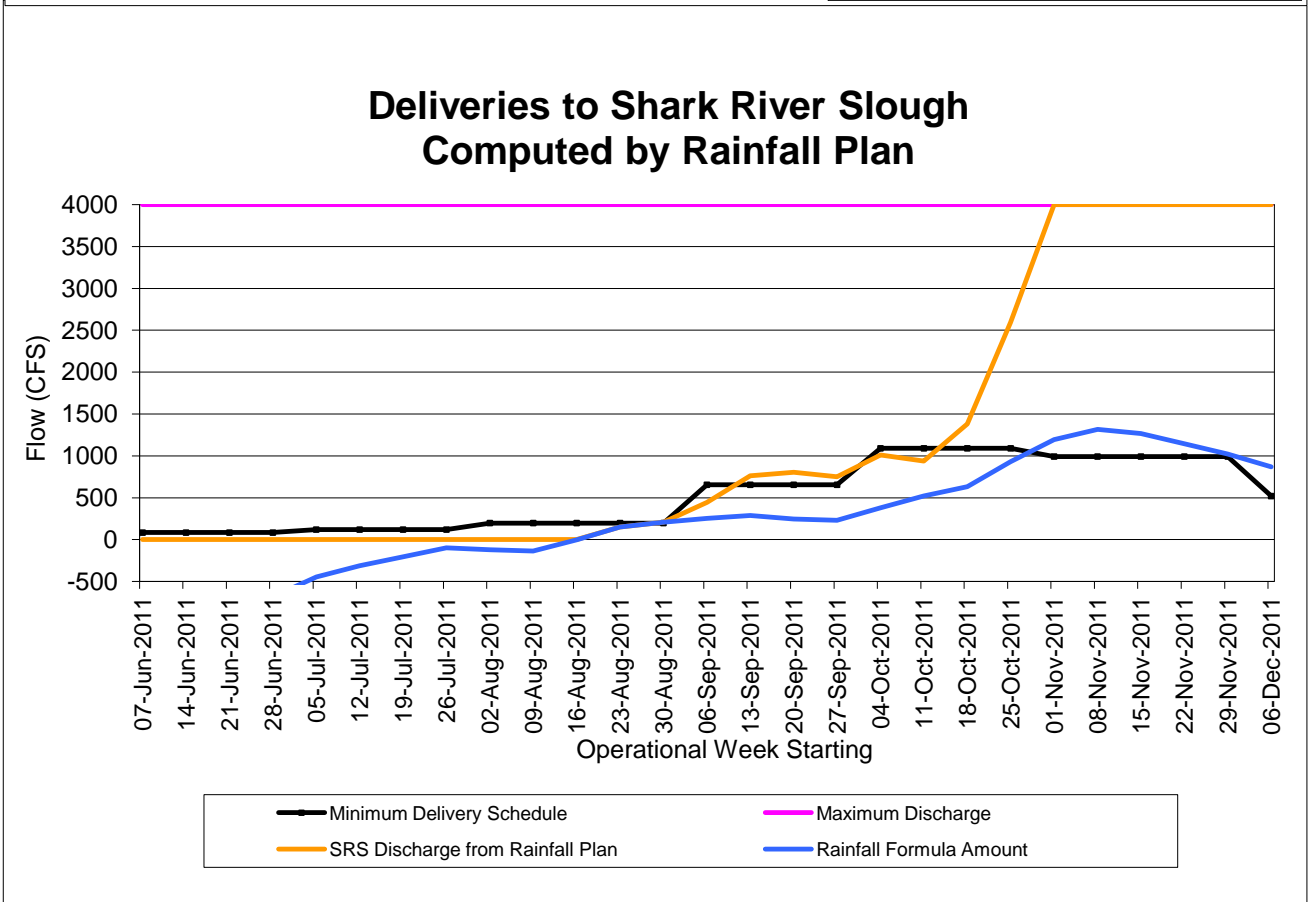
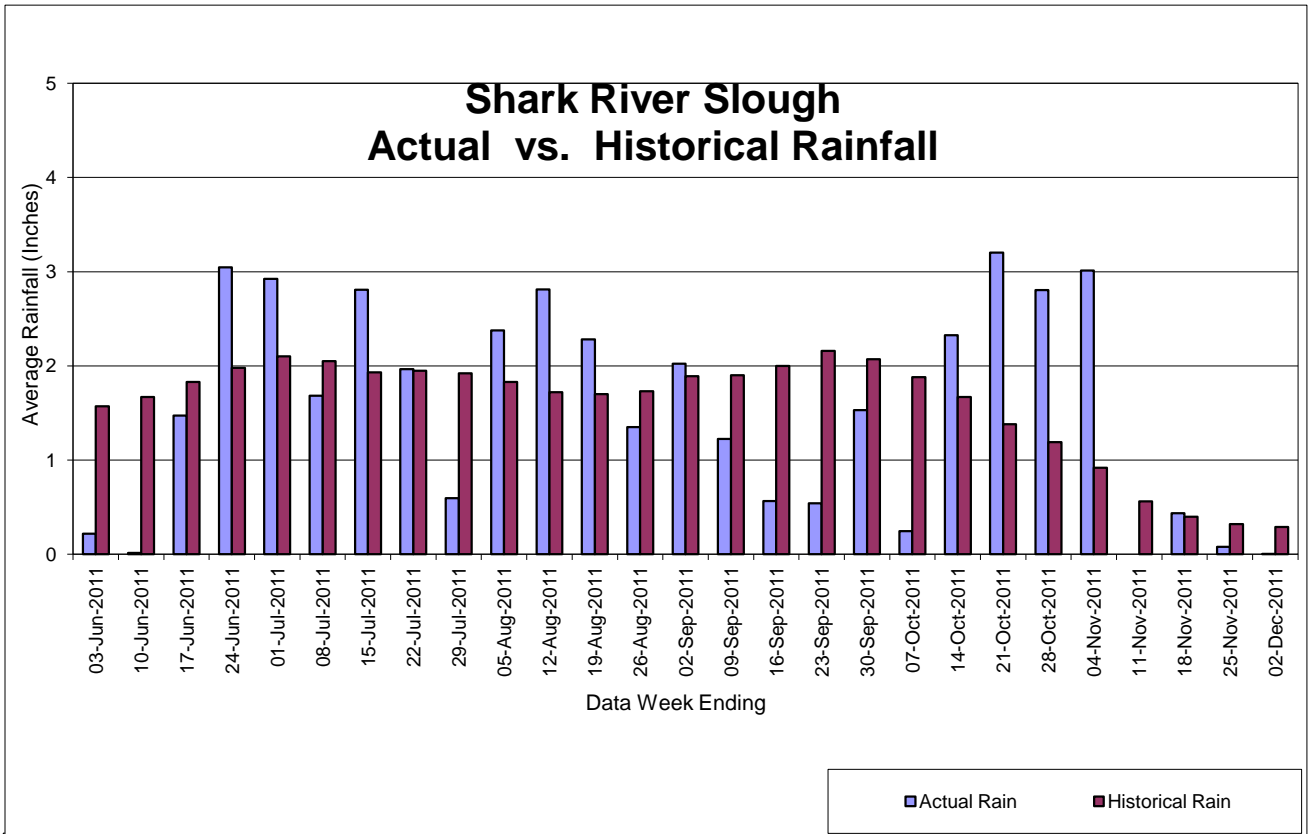
----- Statistical Parameters -----

Rainfall Formula Amount 868 cfs  
 Last Week's Rainfall Formula 1023 cfs  
 Pre-Project Mean Discharge 566 cfs

Rainfall Excess Terms  
RL1 -0.57 RL2 3.07 RL3 -0.19

**COMMENT: S7 and S140 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 **November 29, 2011** to **December 5, 2011** **MAX** cfs

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

----- **Data Summary** ----- **November 18, 2011** to **November 25, 2011**  
 WCA-3A Stage (end of week) 10.99 ft. msl  
 Angel's 6.30 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	0.08	0.98
S-140		0.65
ENP		M

This Week's Avg	0.08	0.82
Pre-Project Avg	0.32	0.87

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

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

Supplemental discharge is MAX cfs  
 Distance to Bottom of Transition Zone -0.49 feet  
 Distance to Bottom of Regulatory Zone -0.24 feet

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

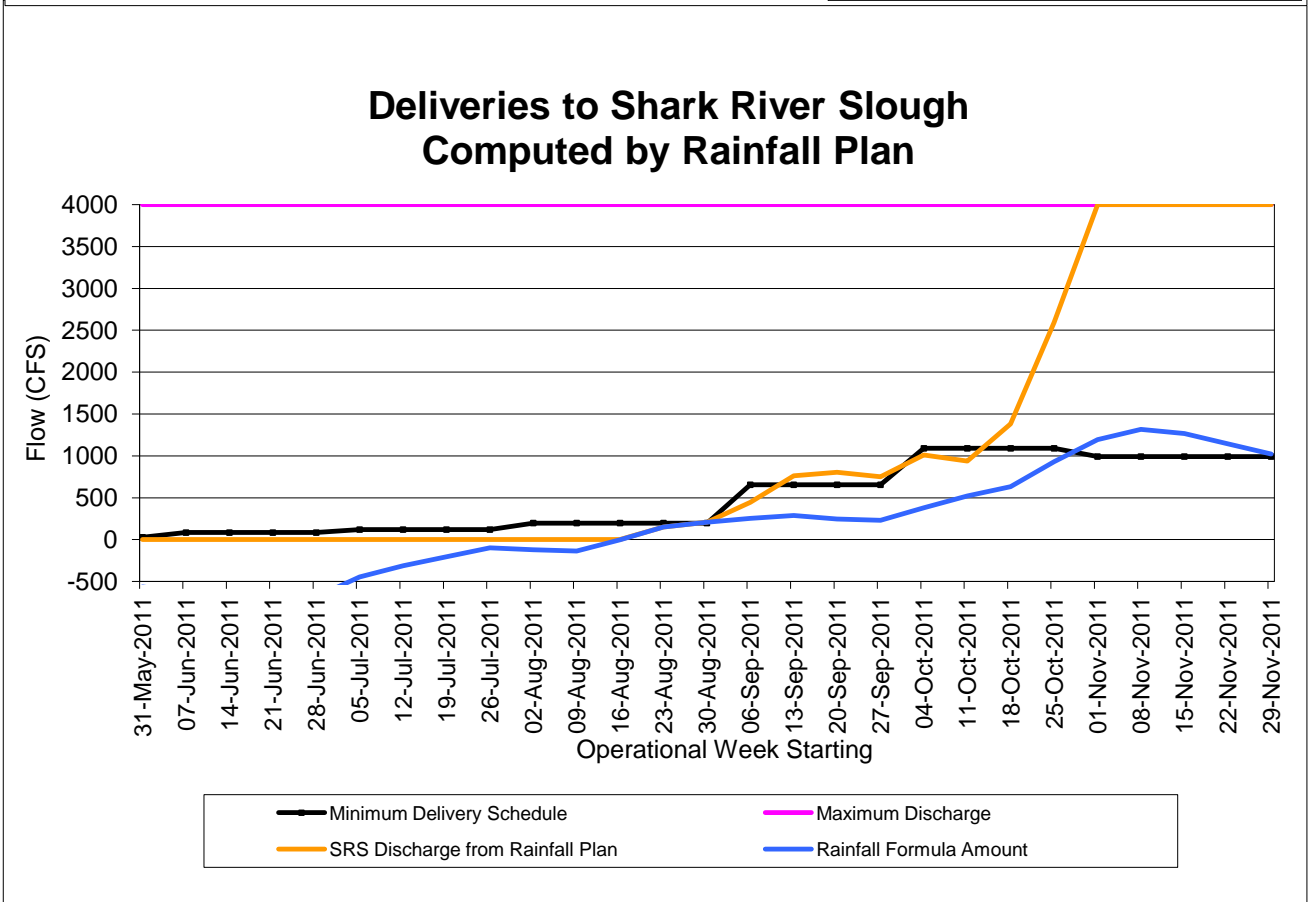
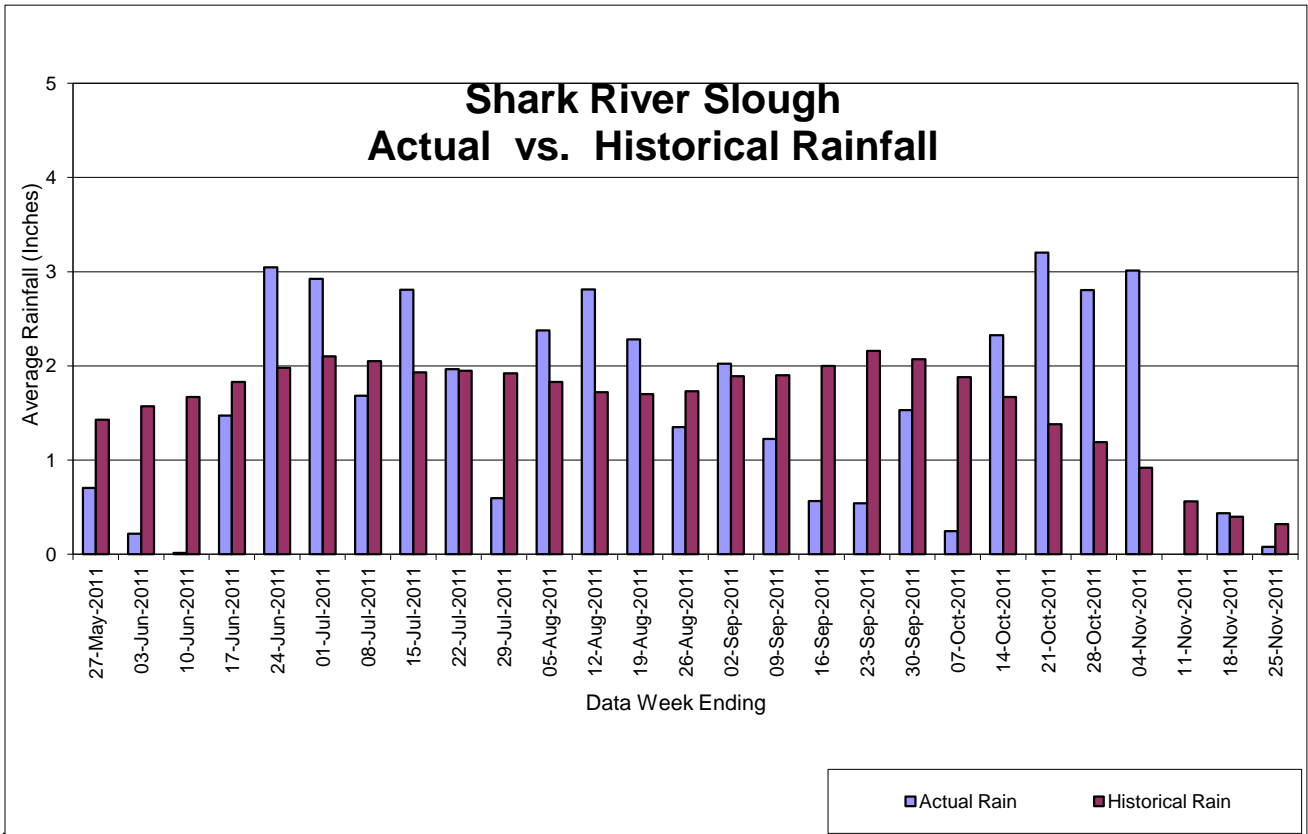
Rainfall Formula Amount 1023 cfs  
 Last Week's Rainfall Formula 1145 cfs  
 Pre-Project Mean Discharge 689 cfs

Rainfall Excess Terms

RL1 -0.15	RL2 4.90	RL3 -3.91
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**COMMENT: S7 and S140 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 November 22, 2011 to November 28, 2011 **MAX** cfs

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

----- Data Summary ----- November 11, 2011 to November 18, 2011  
 WCA-3A Stage (end of week) 11.07 ft. msl  
 Angel's 6.07 ft. msl  
 G3273 6.73 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.44	0.89

S-140		0.88
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ENP		M
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	0.44	0.89
This Week's Avg	0.40	0.91
Pre-Project Avg		

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

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

Supplemental discharge is	MAX	cfs
Distance to Bottom of Transition Zone		-0.57 feet
Distance to Bottom of Regulatory Zone		-0.32 feet

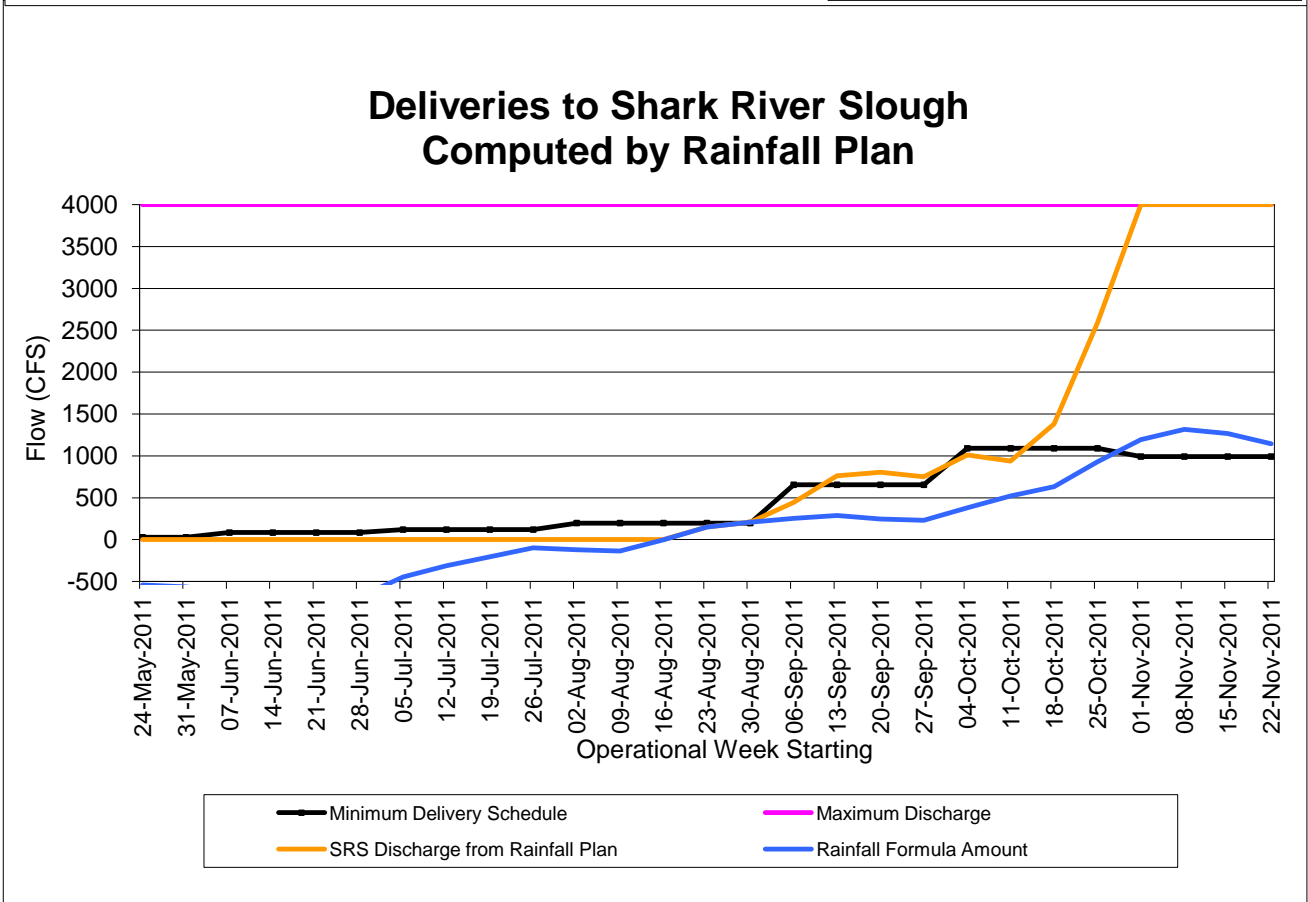
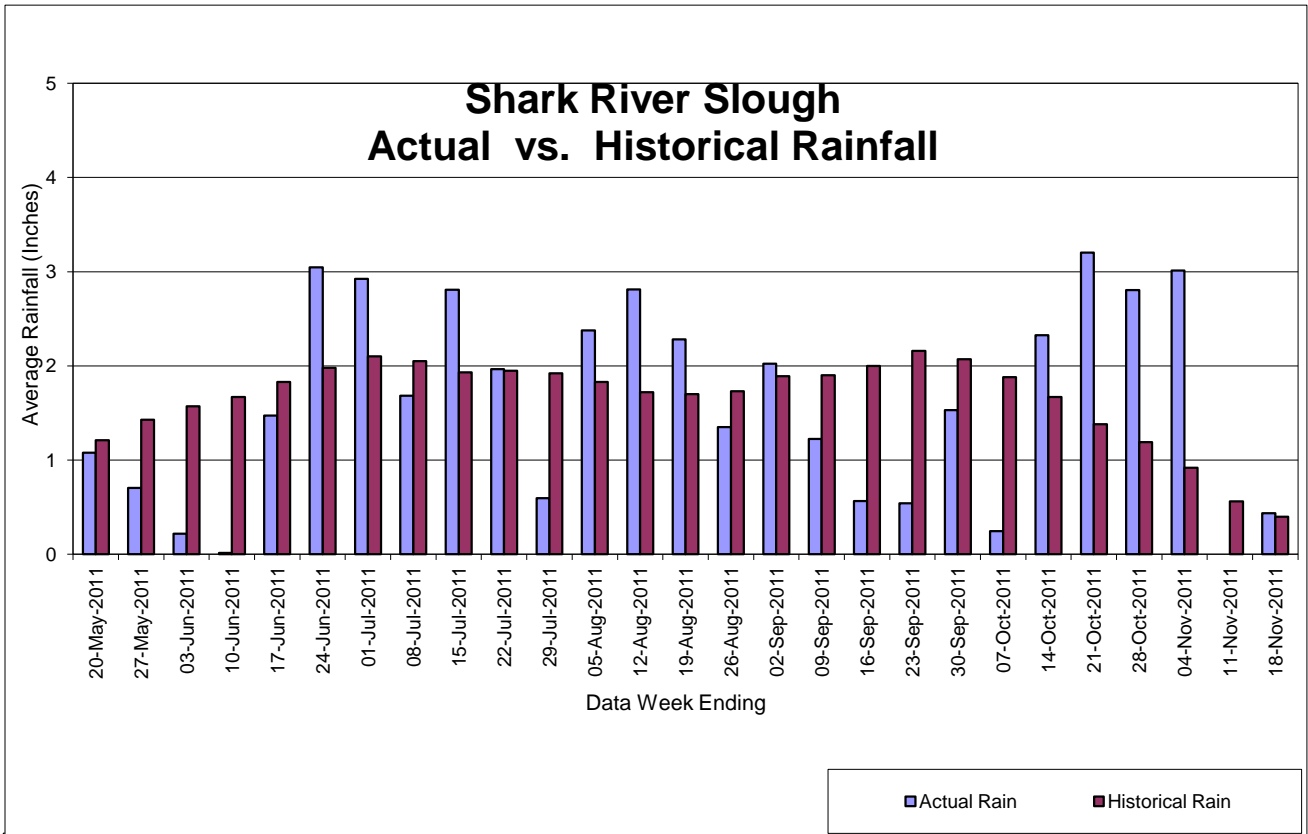
### ----- Statistical Parameters -----

Rainfall Formula Amount	1145 cfs
Last Week's Rainfall Formula	1266 cfs
Pre-Project Mean Discharge	820 cfs

Rainfall Excess Terms	RL1 <span style="color: blue;">-0.55</span>	RL2 <span style="color: blue;">5.81</span>	RL3 <span style="color: blue;">-5.88</span>
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**COMMENT:** S7 and S140 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 November 15, 2011 to November 21, 2011 **MAX** cfs

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

----- Data Summary -----  
 November 4, 2011 to November 11, 2011  
 WCA-3A Stage (end of week) 11.11 ft. msl  
 Angel's 6.29 ft. msl  
 G3273 6.84 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	1.03
S-140		1.02
ENP		M

This Week's Avg	0.00	1.02
Pre-Project Avg	0.56	0.97

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

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

Supplemental discharge is **MAX** cfs  
 Distance to Bottom of Transition Zone -0.61 feet  
 Distance to Bottom of Regulatory Zone -0.36 feet

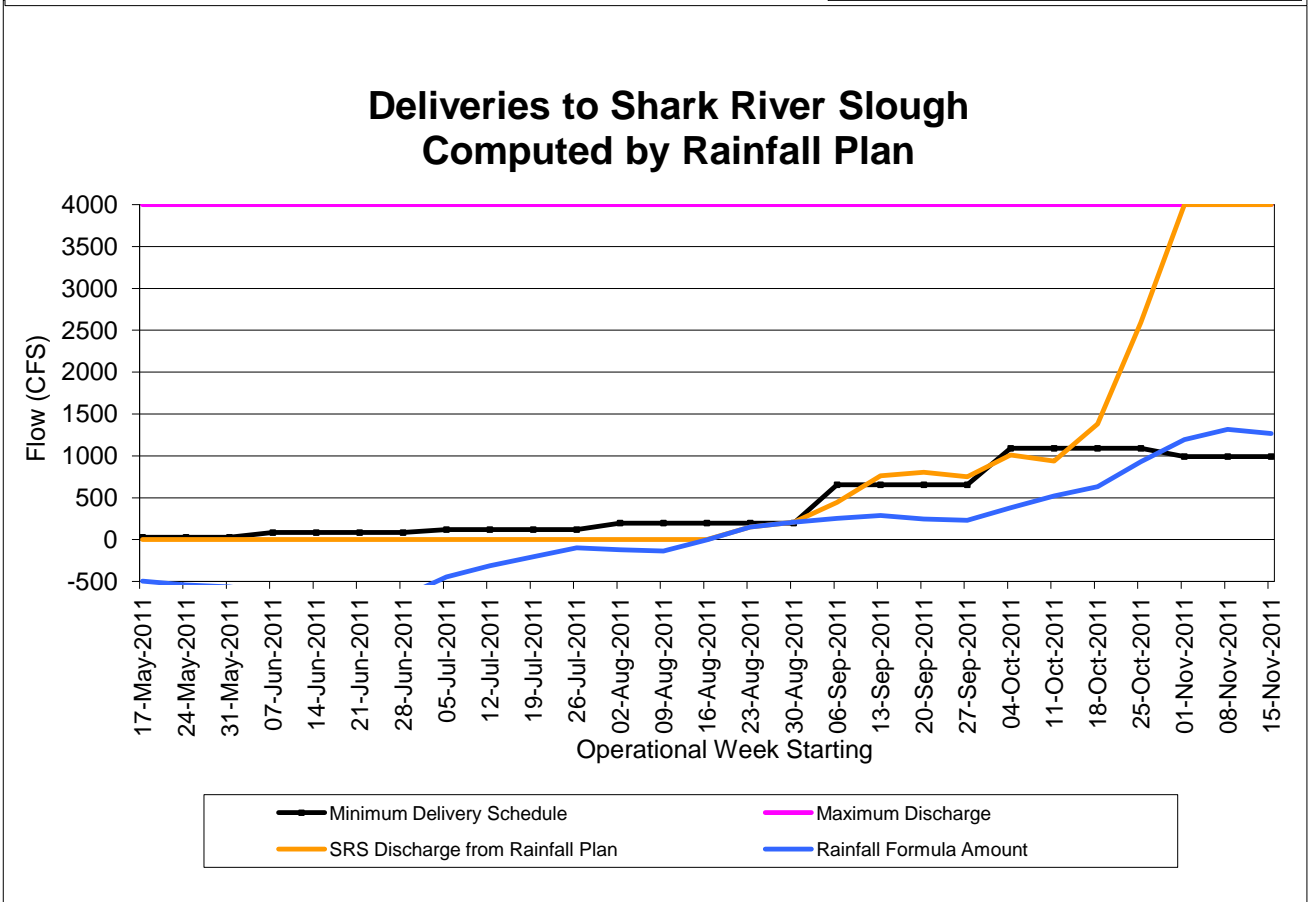
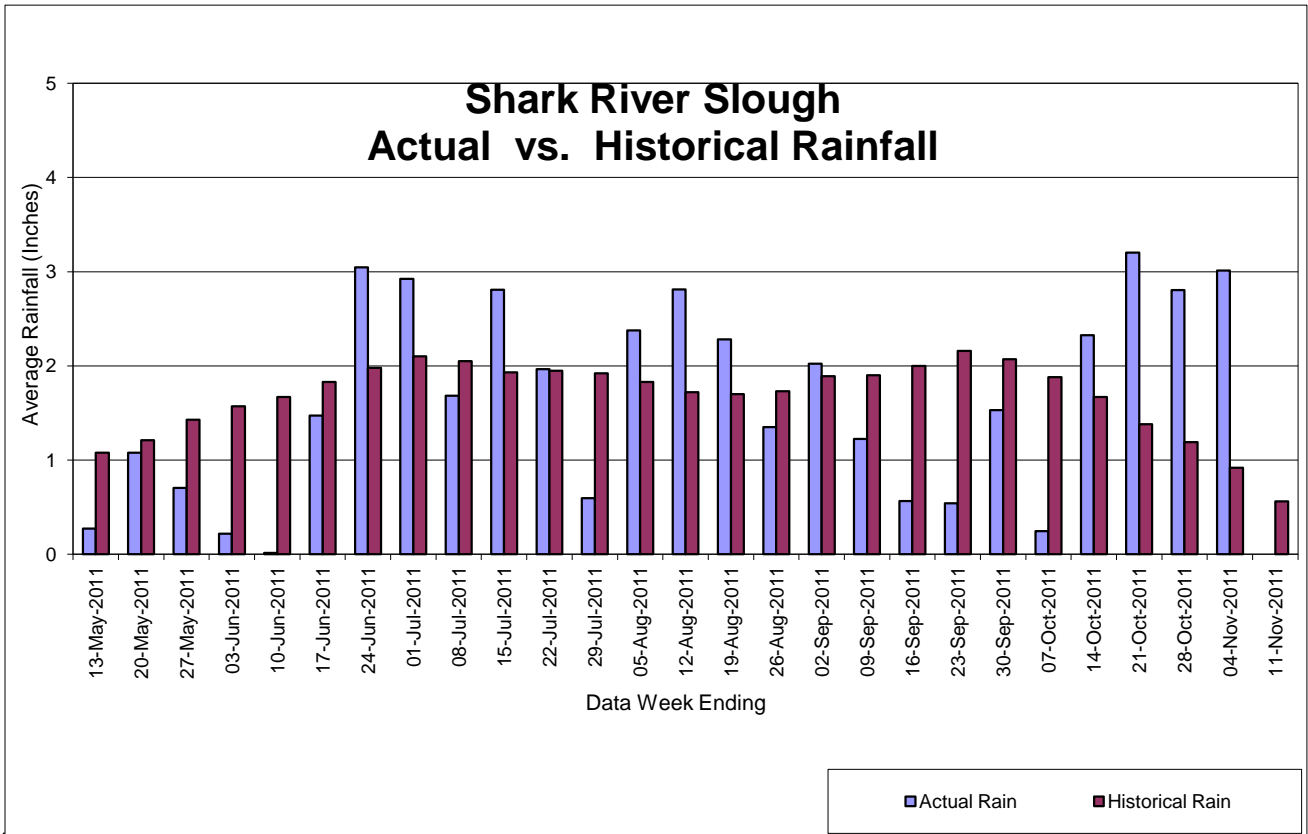
----- Statistical Parameters -----

Rainfall Formula Amount 1266 cfs  
 Last Week's Rainfall Formula 1315 cfs  
 Pre-Project Mean Discharge 937 cfs

Rainfall Excess Terms  
 RL1 1.46 RL2 1.84 RL3 -4.86

**COMMENT: S7 and S140 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 **November 8, 2011** to **November 14, 2011** **MAX** cfs

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

----- **Data Summary** ----- **October 28, 2011** to **November 4, 2011**  
 WCA-3A Stage (end of week) 11.13 ft. msl  
 Angel's 6.58 ft. msl  
 G3273 6.96 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	3.01	1.03
S-140		1.10
ENP		M

This Week's Avg	3.01	1.06
Pre-Project Avg	0.92	1.02

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

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

Supplemental discharge is MAX cfs  
 Distance to Bottom of Transition Zone -0.63 feet  
 Distance to Bottom of Regulatory Zone -0.38 feet

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

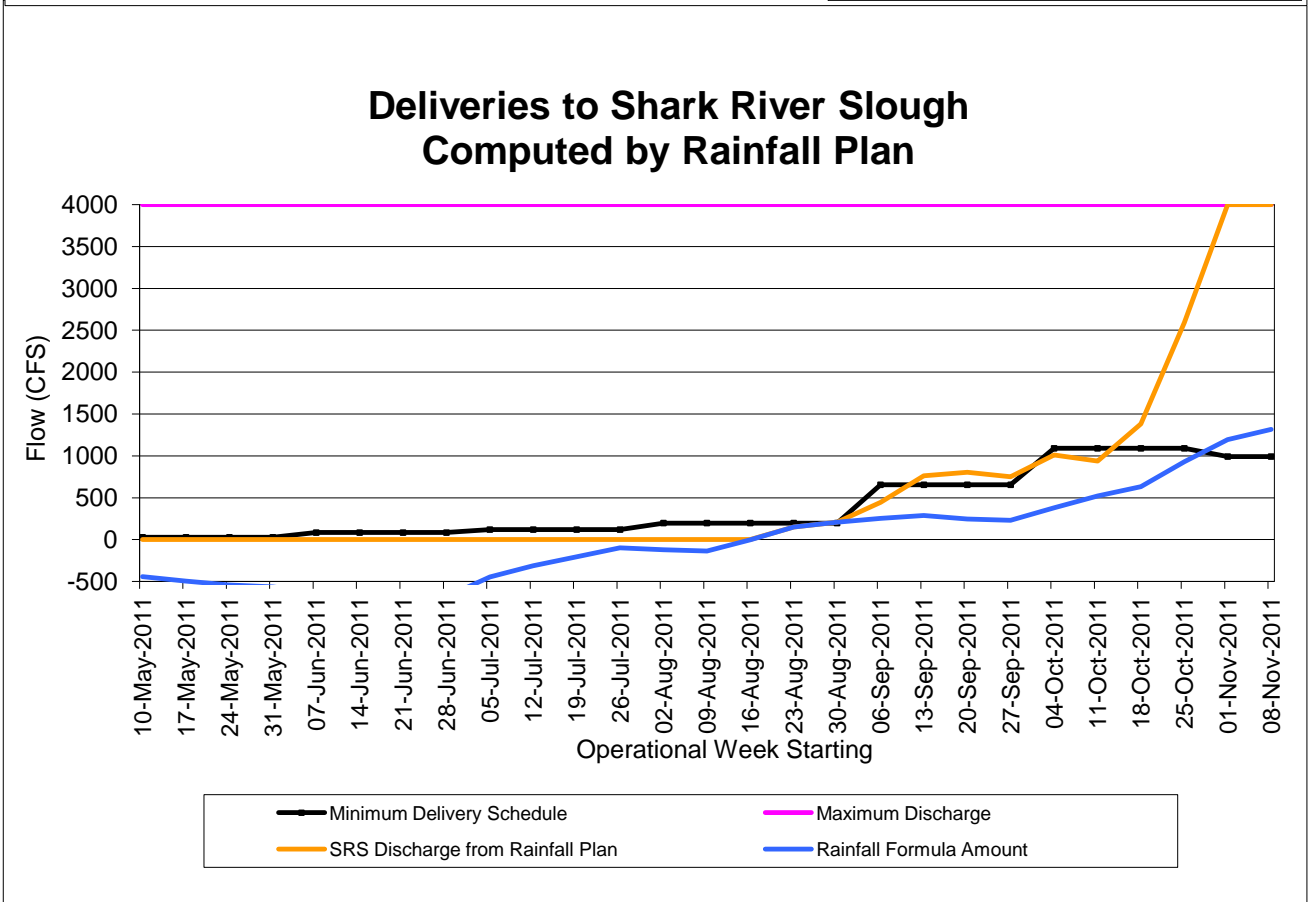
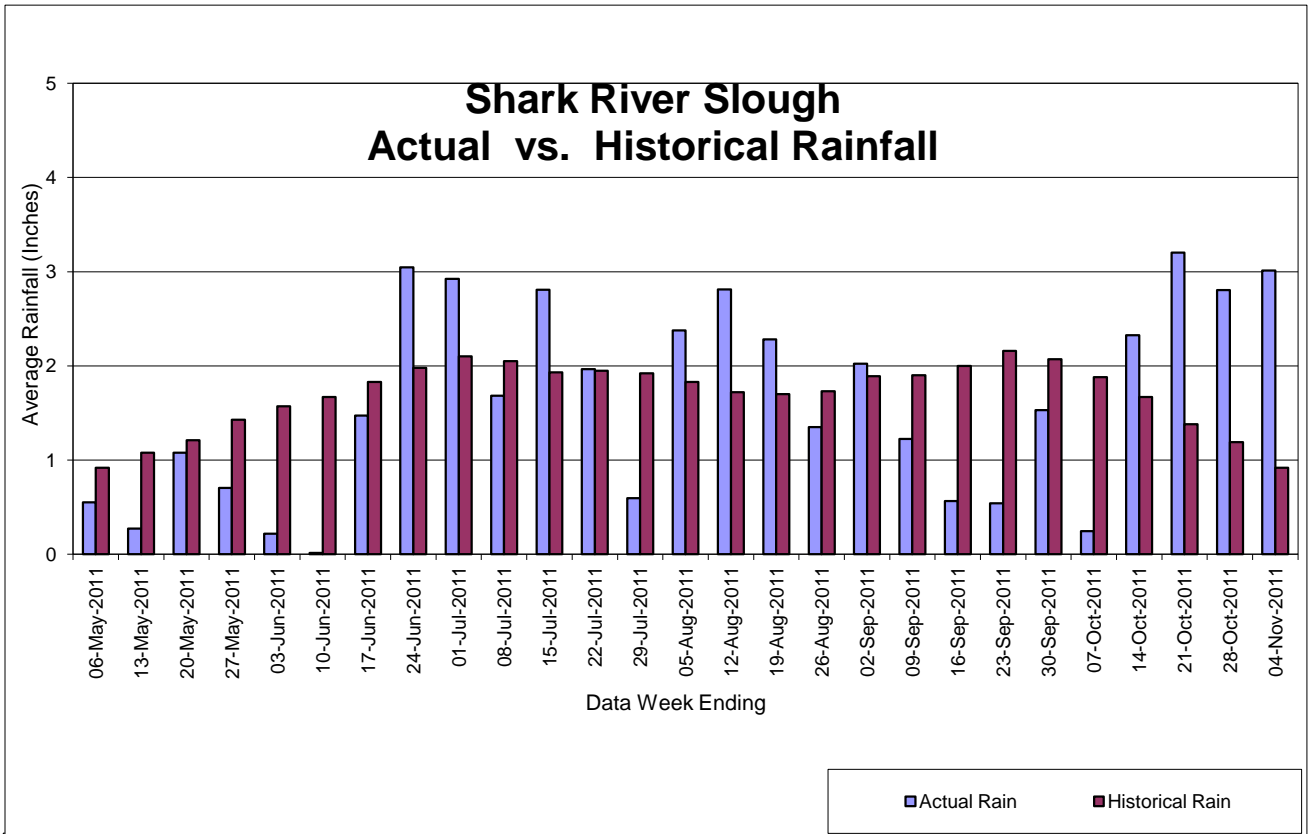
Rainfall Formula Amount 1315 cfs  
 Last Week's Rainfall Formula 1193 cfs  
 Pre-Project Mean Discharge 1084 cfs

Rainfall Excess Terms

RL1 3.62	RL2 -0.19	RL3 -4.13
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**COMMENT: Estimated S7 and S140 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 November 1, 2011 to November 7, 2011 **MAX** cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) **10.83** to **October 28, 2011** ft. msl  
 Angel's **6.35** ft. msl  
 G3273 **6.83** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	<b>2.81</b>	<b>1.17</b>
S-140		<b>1.10</b>
ENP		<b>M</b>

This Week's Avg	<b>2.81</b>	<b>1.13</b>
Pre-Project Avg	<b>1.19</b>	<b>1.06</b>

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

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

Supplemental discharge is **MAX** cfs  
 Distance to Bottom of Transition Zone **-0.85** feet  
 Distance to Bottom of Regulatory Zone **-0.08** feet

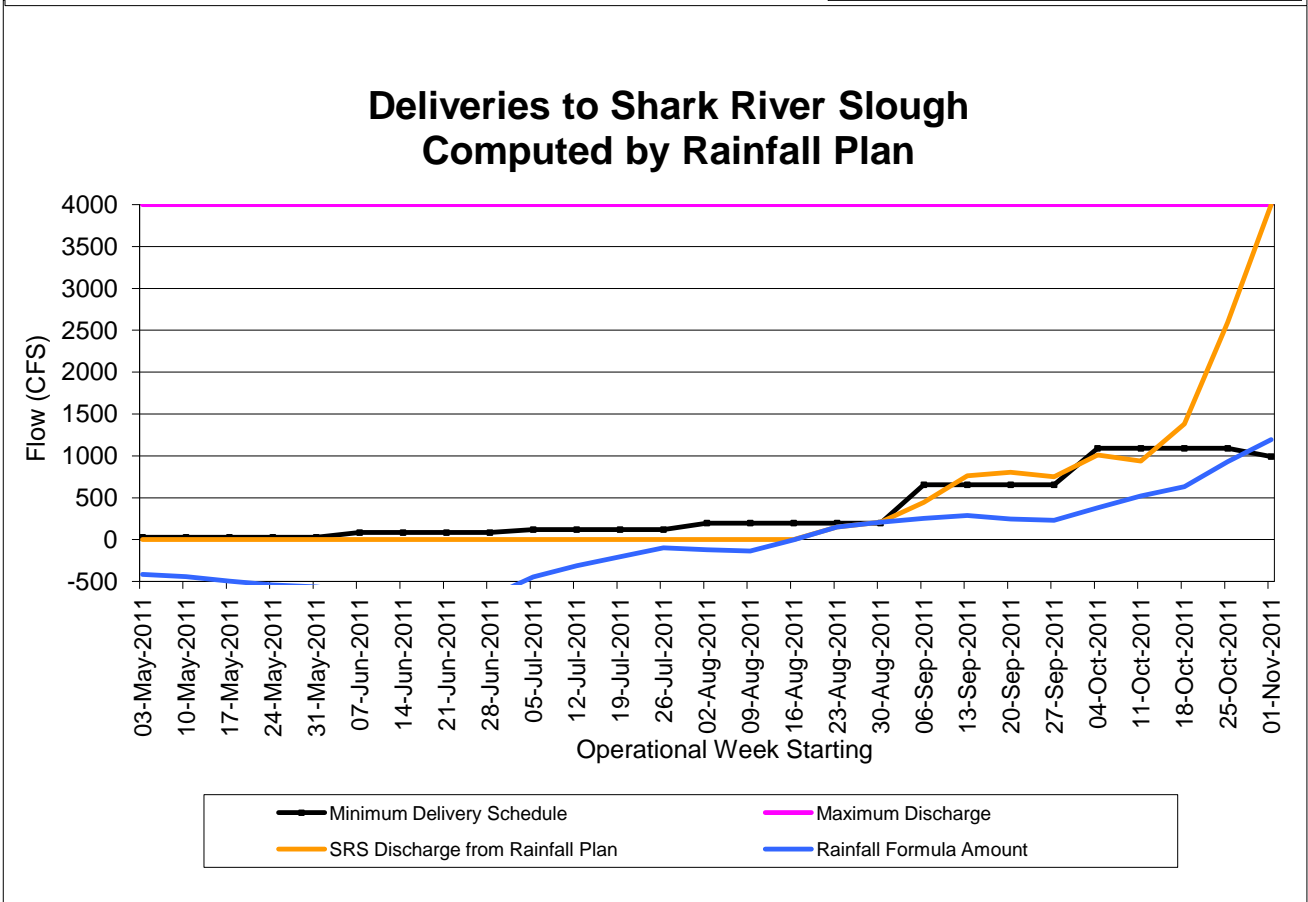
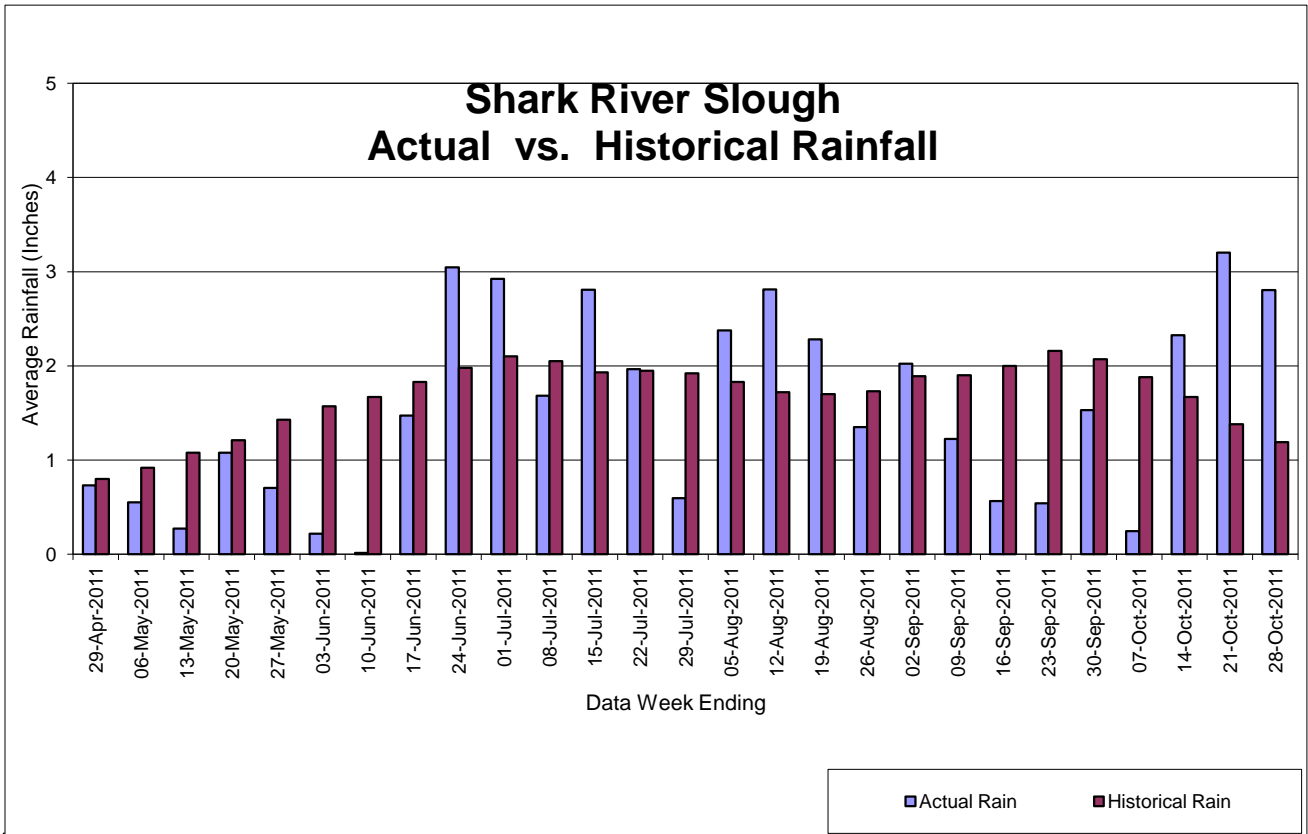
----- Statistical Parameters -----

Rainfall Formula Amount **1193** cfs  
 Last Week's Rainfall Formula **932** cfs  
 Pre-Project Mean Discharge **1220** cfs

Rainfall Excess Terms  
RL1 **3.44** RL2 **-3.91** RL3 **-2.62**

**COMMENT: Estimated S7 and S140 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 **October 25, 2011** to **October 31, 2011** **2595** cfs

S-12 Discharge 1168 cfs  
 S-333 Discharge 1427 cfs

----- **Data Summary** ----- **October 14, 2011** to **October 21, 2011**  
 WCA-3A Stage (end of week) 10.60 ft. msl  
 Angel's 6.81 ft. msl  
 G3273 6.96 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	3.20	0.79
S-140		1.31
ENP		M

This Week's Avg	3.20	1.05
Pre-Project Avg	1.38	1.12

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

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

Supplemental discharge is 1663 cfs  
 Distance to Bottom of Transition Zone -0.67 feet  
 Distance to Bottom of Regulatory Zone 0.15 feet

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

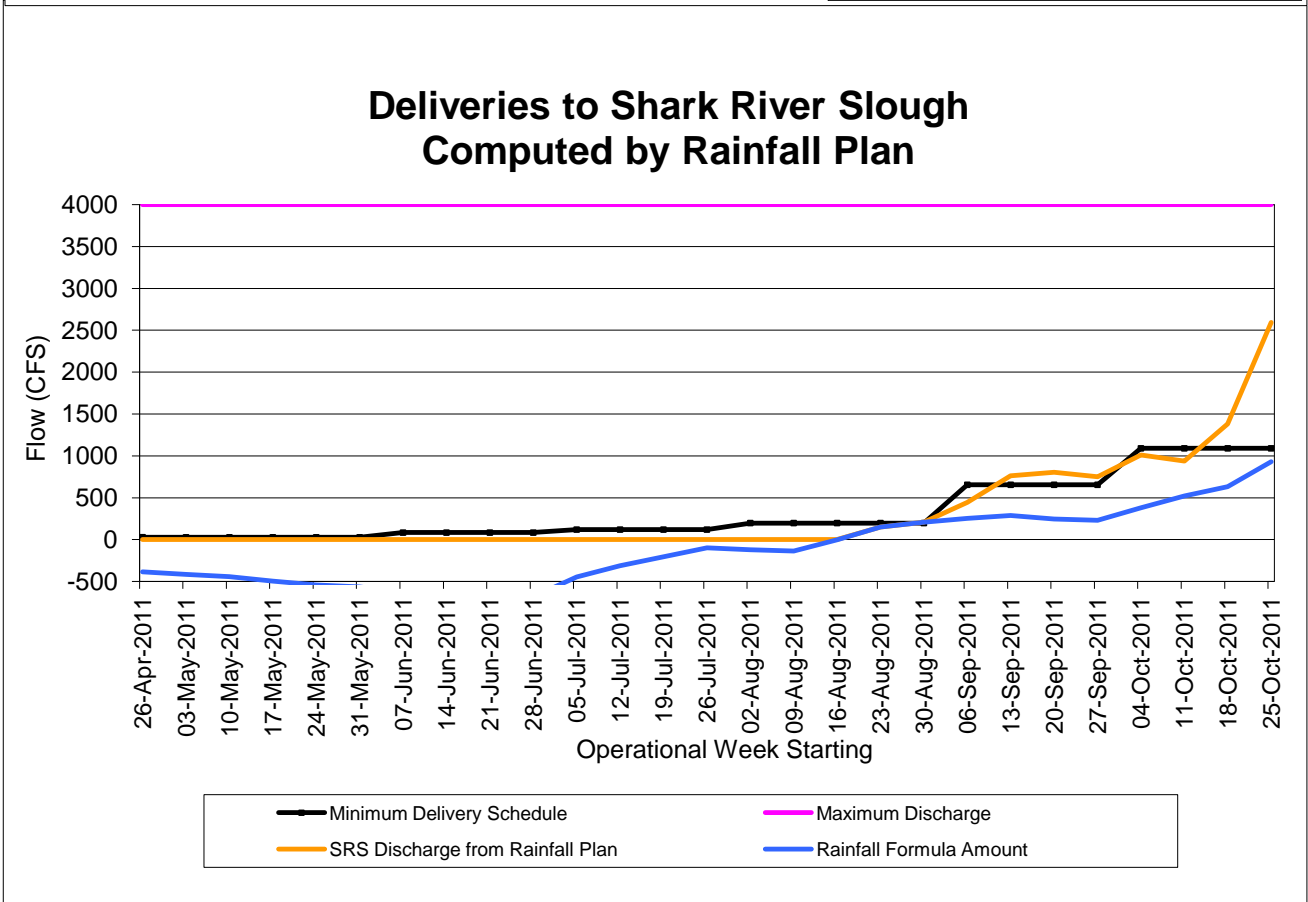
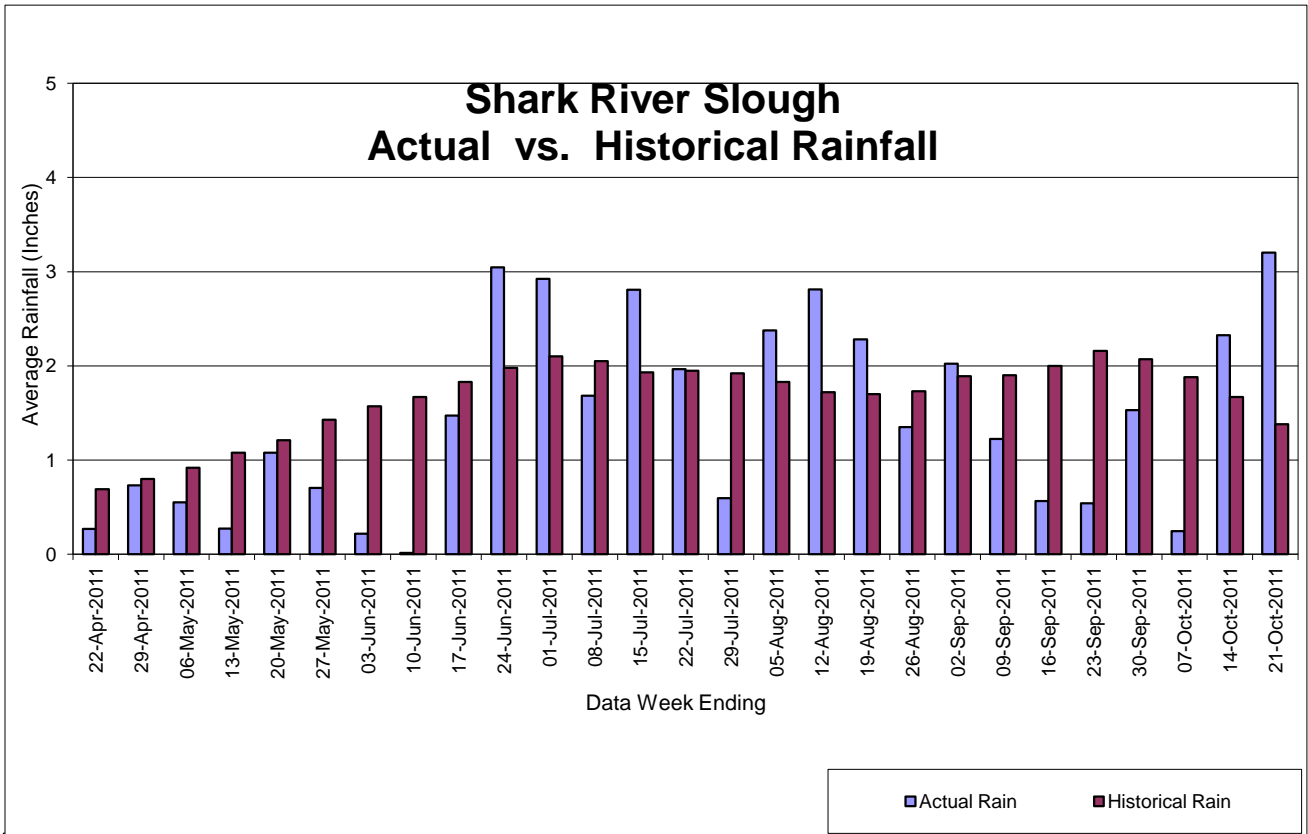
Rainfall Formula Amount 932 cfs  
 Last Week's Rainfall Formula 631 cfs  
 Pre-Project Mean Discharge 1229 cfs

Rainfall Excess Terms

RL1 2.20	RL2 -5.88	RL3 -0.59
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**COMMENT:** Estimated S7 and estimated S140 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 **October 18, 2011** to **October 24, 2011** **1383** cfs

S-12 Discharge 623 cfs  
 S-333 Discharge 761 cfs

----- **Data Summary** ----- **October 7, 2011** to **October 14, 2011**  
 WCA-3A Stage (end of week) 10.19 ft. msl  
 Angel's 6.13 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	2.33	1.55
S-140		1.63
ENP		M

This Week's Avg	2.33	1.59
Pre-Project Avg	1.67	1.16

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

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

Supplemental discharge is 753 cfs  
 Distance to Bottom of Transition Zone -0.30 feet  
 Distance to Bottom of Regulatory Zone 0.56 feet

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

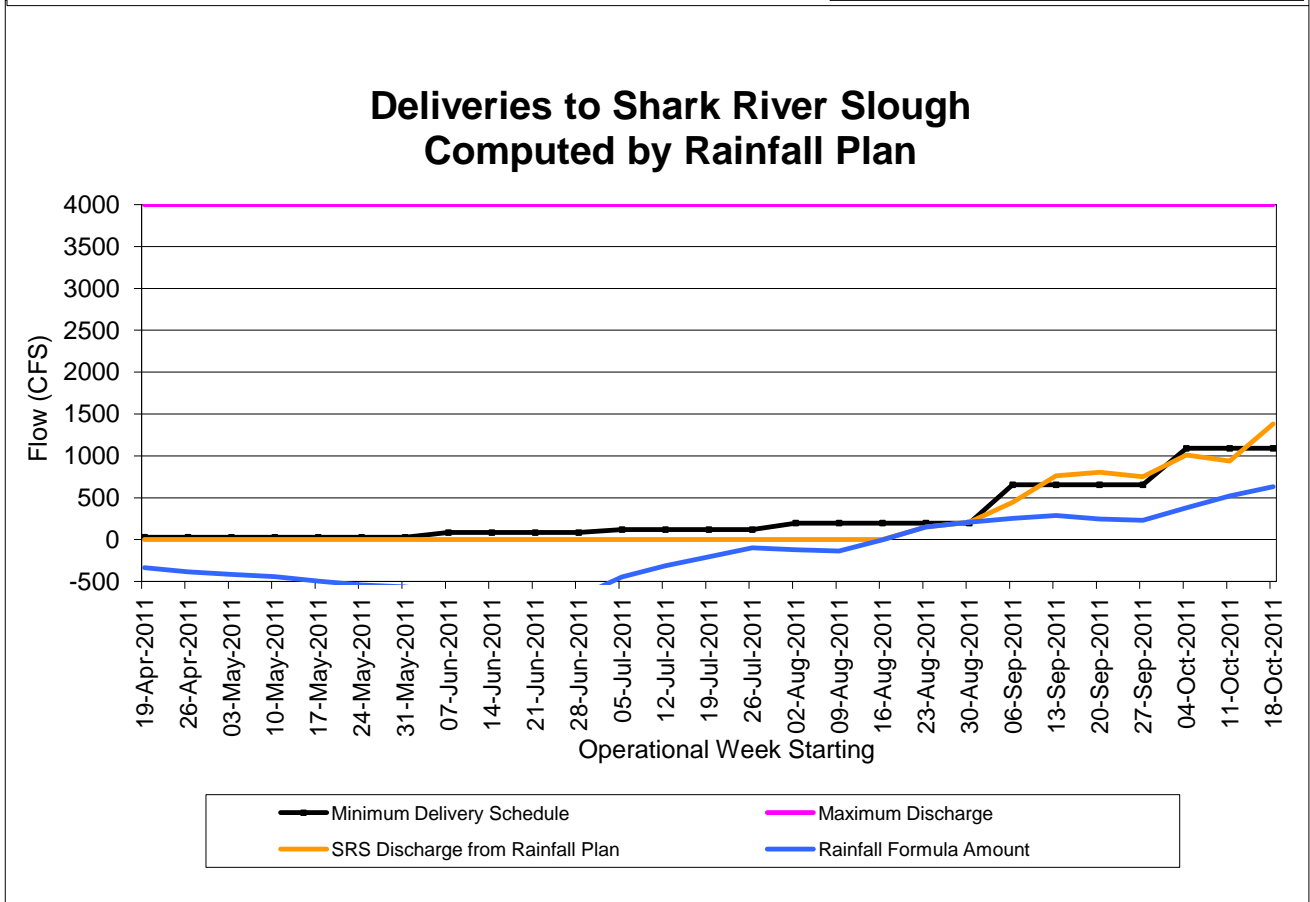
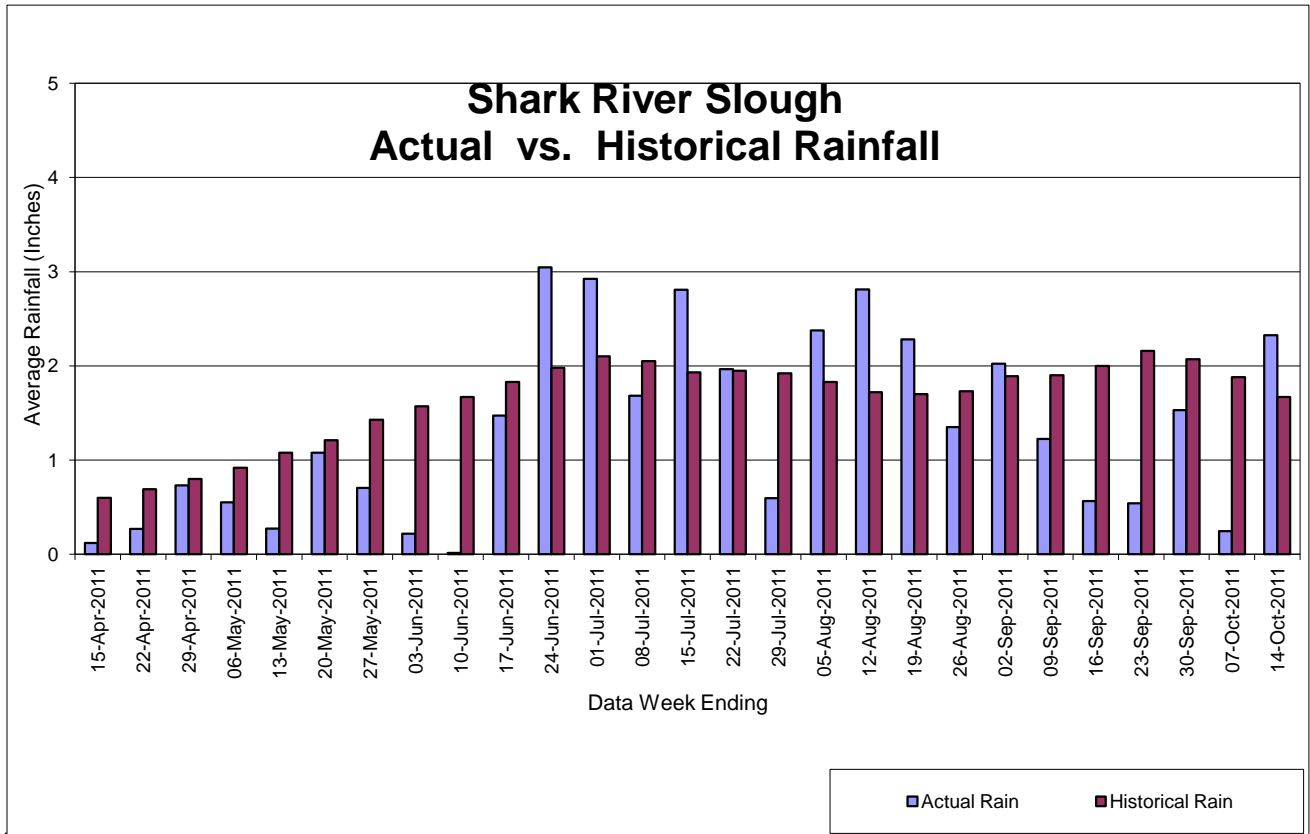
Rainfall Formula Amount 631 cfs  
 Last Week's Rainfall Formula 522 cfs  
 Pre-Project Mean Discharge 1130 cfs

Rainfall Excess Terms

RL1 -1.60	RL2 -4.86	RL3 1.46
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**COMMENT:** Estimated S7 and estimated S140 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 **October 11, 2011** to **October 17, 2011** **939 cfs**

S-12 Discharge **423 cfs**  
 S-333 Discharge **516 cfs**

----- **Data Summary** ----- **September 30, 2011** to **October 7, 2011**  
 WCA-3A Stage (end of week) **10.01** ft. msl  
 Angel's **5.47** ft. msl  
 G3273 **6.14** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	<b>0.24</b>	<b>1.53</b>
S-140		<b>1.57</b>
ENP		<b>M</b>

This Week's Avg	<b>0.24</b>	<b>1.55</b>
Pre-Project Avg	<b>1.88</b>	<b>1.21</b>

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

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

Supplemental discharge is **417 cfs**  
 Distance to Bottom of Transition Zone **-0.17 feet**  
 Distance to Bottom of Regulatory Zone **0.74 feet**

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

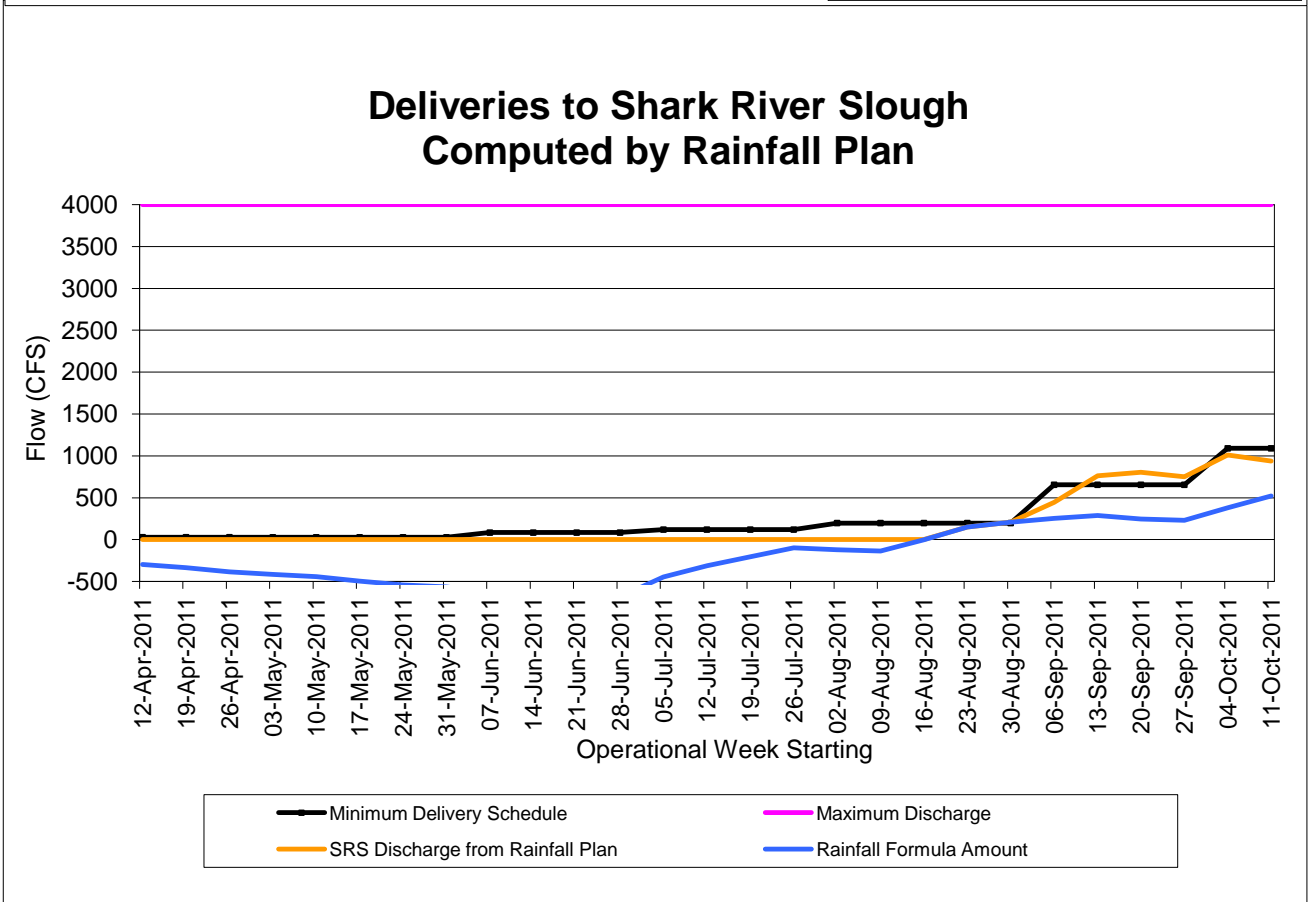
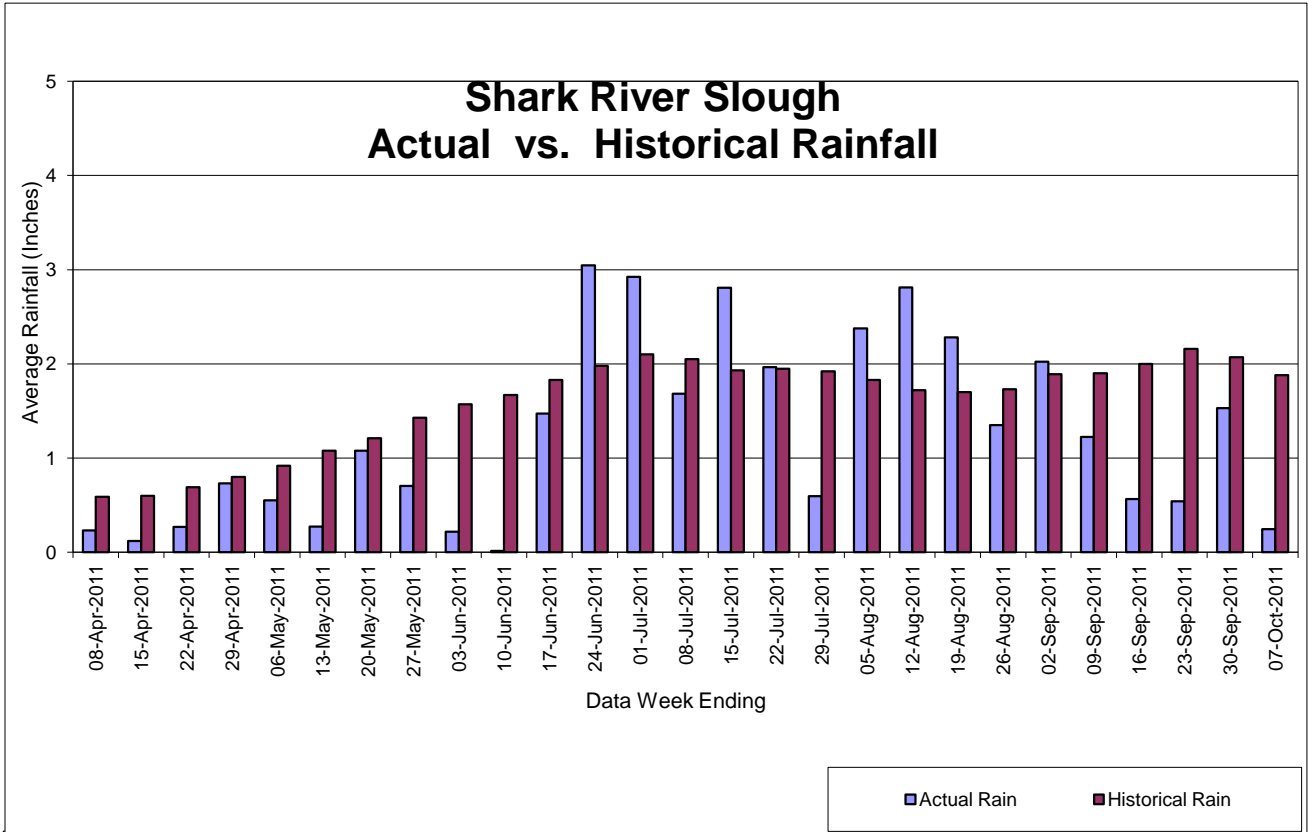
Rainfall Formula Amount **522 cfs**  
 Last Week's Rainfall Formula **380 cfs**  
 Pre-Project Mean Discharge **995 cfs**

Rainfall Excess Terms

RL1 <b>-2.38</b>	RL2 <b>-4.13</b>	RL3 <b>1.40</b>
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**COMMENT: S7 and S140 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 **October 4, 2011** to **October 10, 2011** **1012 cfs**

S-12 Discharge 455 cfs  
 S-333 Discharge 557 cfs

----- **Data Summary** ----- **September 23, 2011** to **September 30, 2011**  
 WCA-3A Stage (end of week) 10.05 ft. msl  
 Angel's 5.89 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	1.53	1.06
S-140		1.28
ENP		M

This Week's Avg	1.53	1.17
Pre-Project Avg	2.07	1.25

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

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

Supplemental discharge is 632 cfs  
 Distance to Bottom of Transition Zone -0.25 feet  
 Distance to Bottom of Regulatory Zone 0.70 feet

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

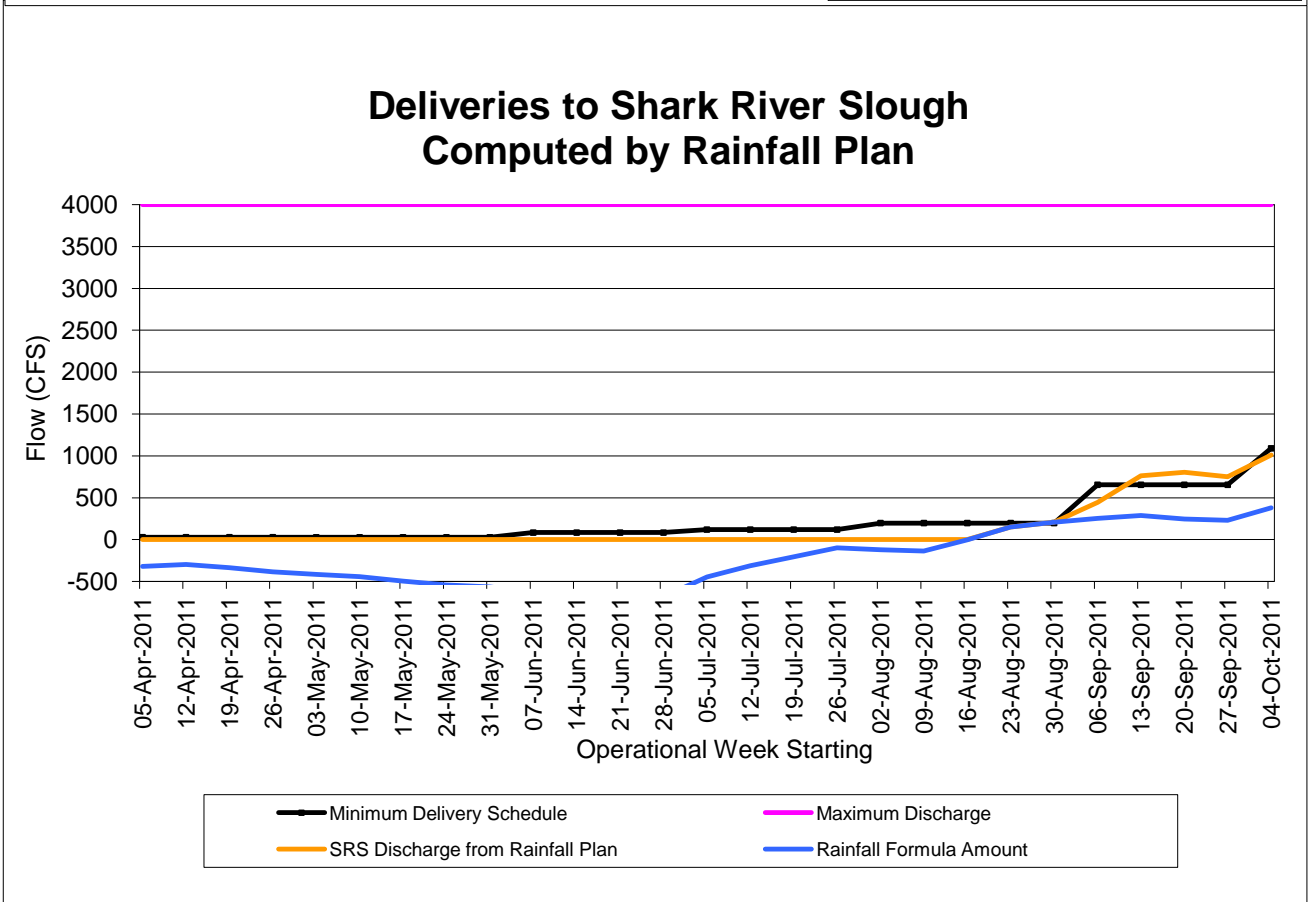
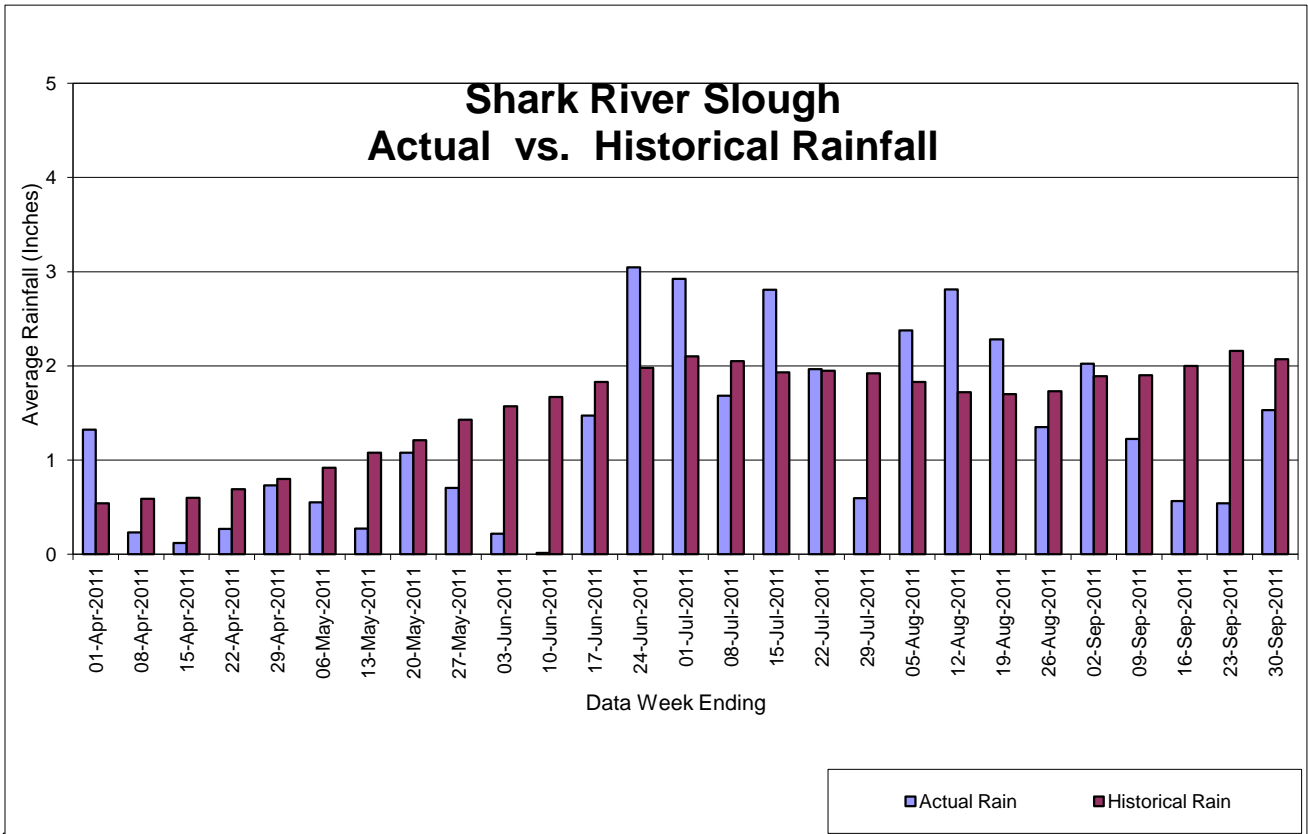
Rainfall Formula Amount 380 cfs  
 Last Week's Rainfall Formula 232 cfs  
 Pre-Project Mean Discharge 779 cfs

Rainfall Excess Terms

RL1 -2.31	RL2 -2.62	RL3 0.22
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**COMMENT: S7 and S140 evap data were used. ENP evap data were missing. WCA-3A stage was estimated.**

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



## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow September 27, 2011 to October 3, 2011 752 cfs

S-12 Discharge 339 cfs  
 S-333 Discharge 414 cfs

----- Data Summary ----- September 16, 2011 to September 23, 2011  
 WCA-3A Stage (end of week) 9.96 ft. msl  
 Angel's 5.70 ft. msl  
 G3273 6.20 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.54	1.51
S-140		1.58
ENP		M

This Week's Avg	0.54	1.54
Pre-Project Avg	2.16	1.27

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

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

Supplemental discharge is 521 cfs  
 Distance to Bottom of Transition Zone -0.21 feet  
 Distance to Bottom of Regulatory Zone 0.79 feet

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

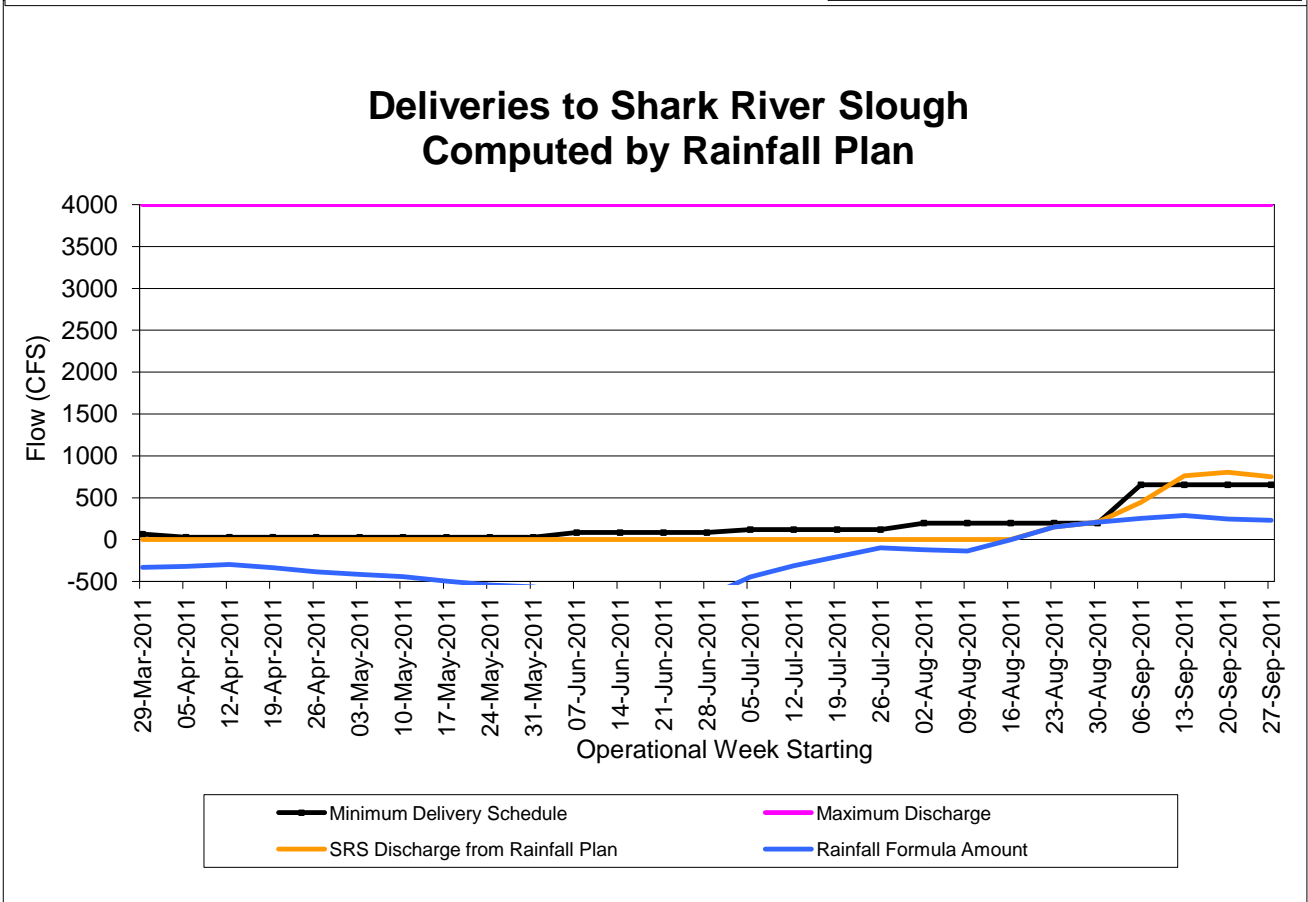
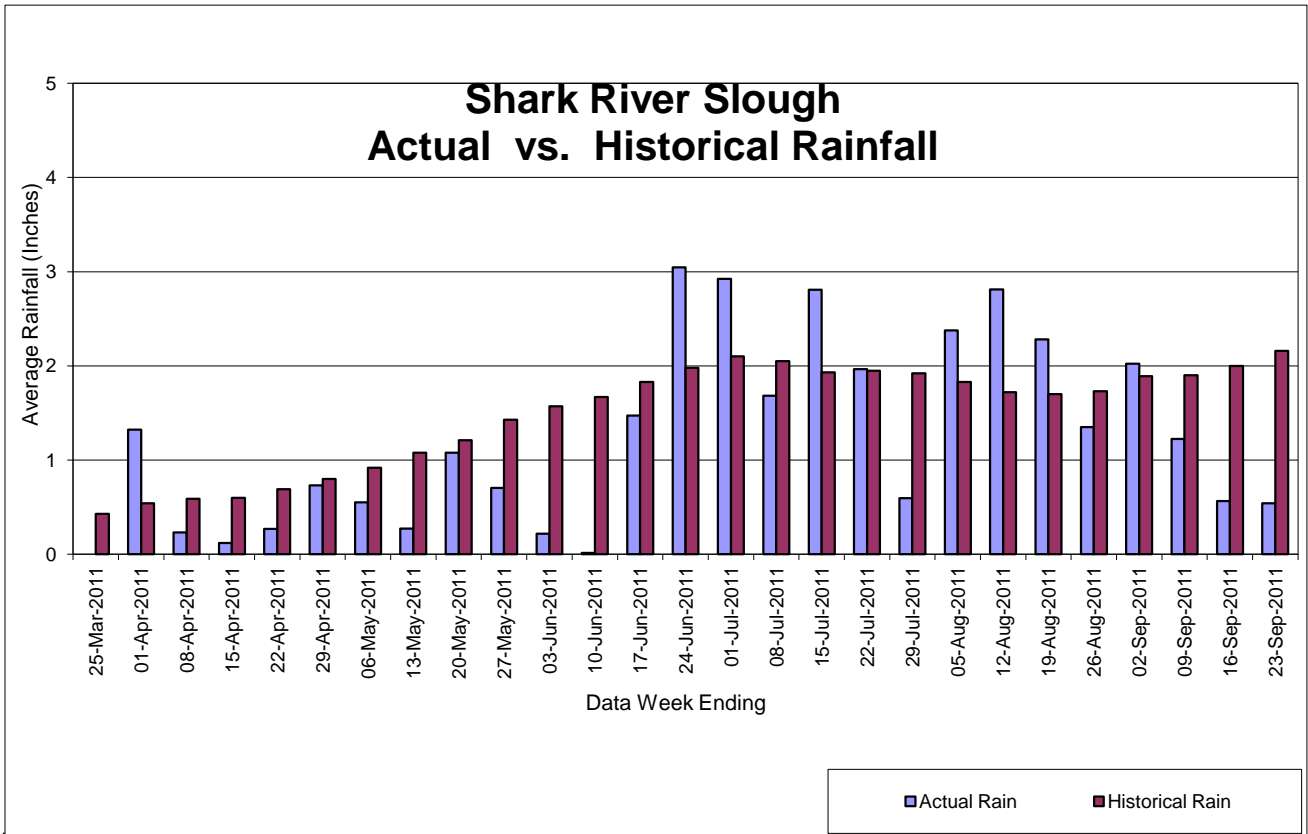
Rainfall Formula Amount 232 cfs  
 Last Week's Rainfall Formula 246 cfs  
 Pre-Project Mean Discharge 540 cfs

Rainfall Excess Terms

RL1 -3.50	RL2 -0.59	RL3 -0.35
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**COMMENT: S7 and S140 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 September 20, 2011 to September 26, 2011 806 cfs

S-12 Discharge 363 cfs  
 S-333 Discharge 443 cfs

----- Data Summary -----  
 WCA-3A Stage (end of week) September 9, 2011 to September 16, 2011  
 Angel's 9.93 ft. msl  
 G3273 5.81 ft. msl  
6.39 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.57	1.50
S-140		1.69
ENP		M

This Week's Avg	0.57	1.60
Pre-Project Avg	2.00	1.31

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

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

Supplemental discharge is 560 cfs  
 Distance to Bottom of Transition Zone -0.22 feet  
 Distance to Bottom of Regulatory Zone 0.78 feet

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

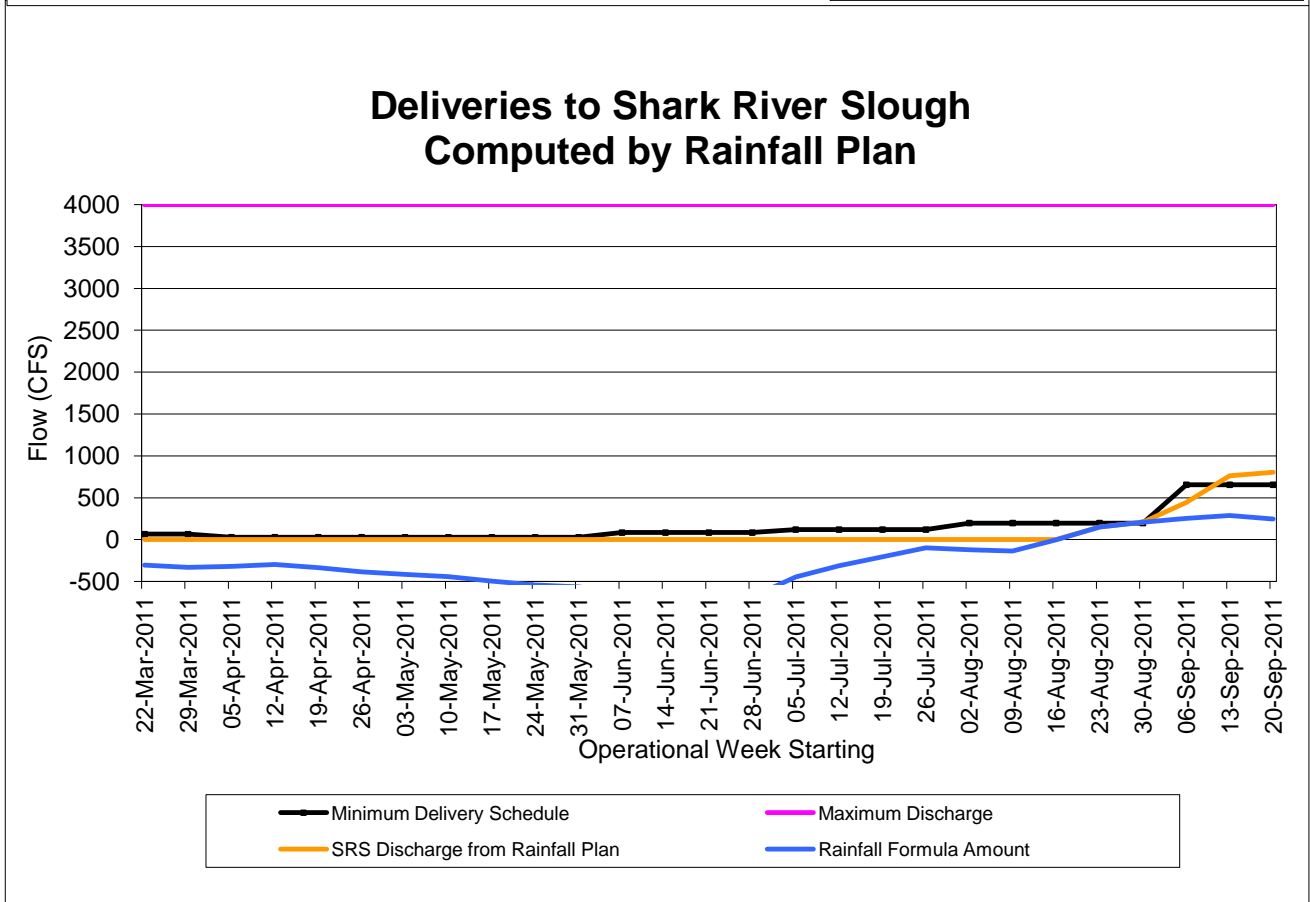
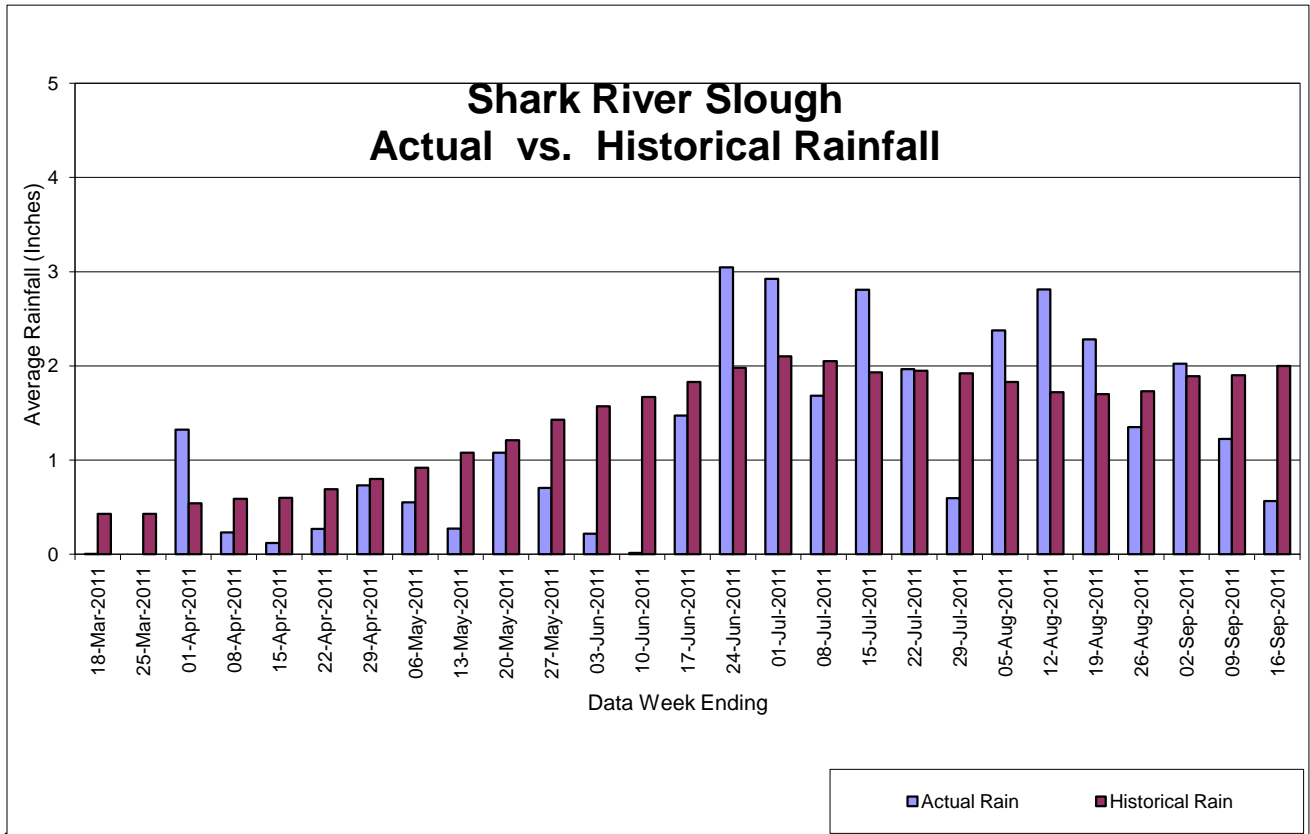
Rainfall Formula Amount 246 cfs  
 Last Week's Rainfall Formula 289 cfs  
 Pre-Project Mean Discharge 385 cfs

Rainfall Excess Terms

RL1 -2.55	RL2 1.46	RL3 -0.67
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**COMMENT: S7 and S140 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 September 13, 2011 to September 19, 2011 763 cfs

S-12 Discharge 344 cfs  
 S-333 Discharge 420 cfs

----- Data Summary -----  
 September 2, 2011 to September 9, 2011  
 WCA-3A Stage (end of week) 9.85 ft. msl  
 Angel's 5.79 ft. msl  
 G3273 6.39 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.22	1.68
S-140		1.52
ENP		M

This Week's Avg	1.22	1.60
Pre-Project Avg	1.90	1.34

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

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

Supplemental discharge is 475 cfs  
 Distance to Bottom of Transition Zone -0.19 feet  
 Distance to Bottom of Regulatory Zone 0.81 feet

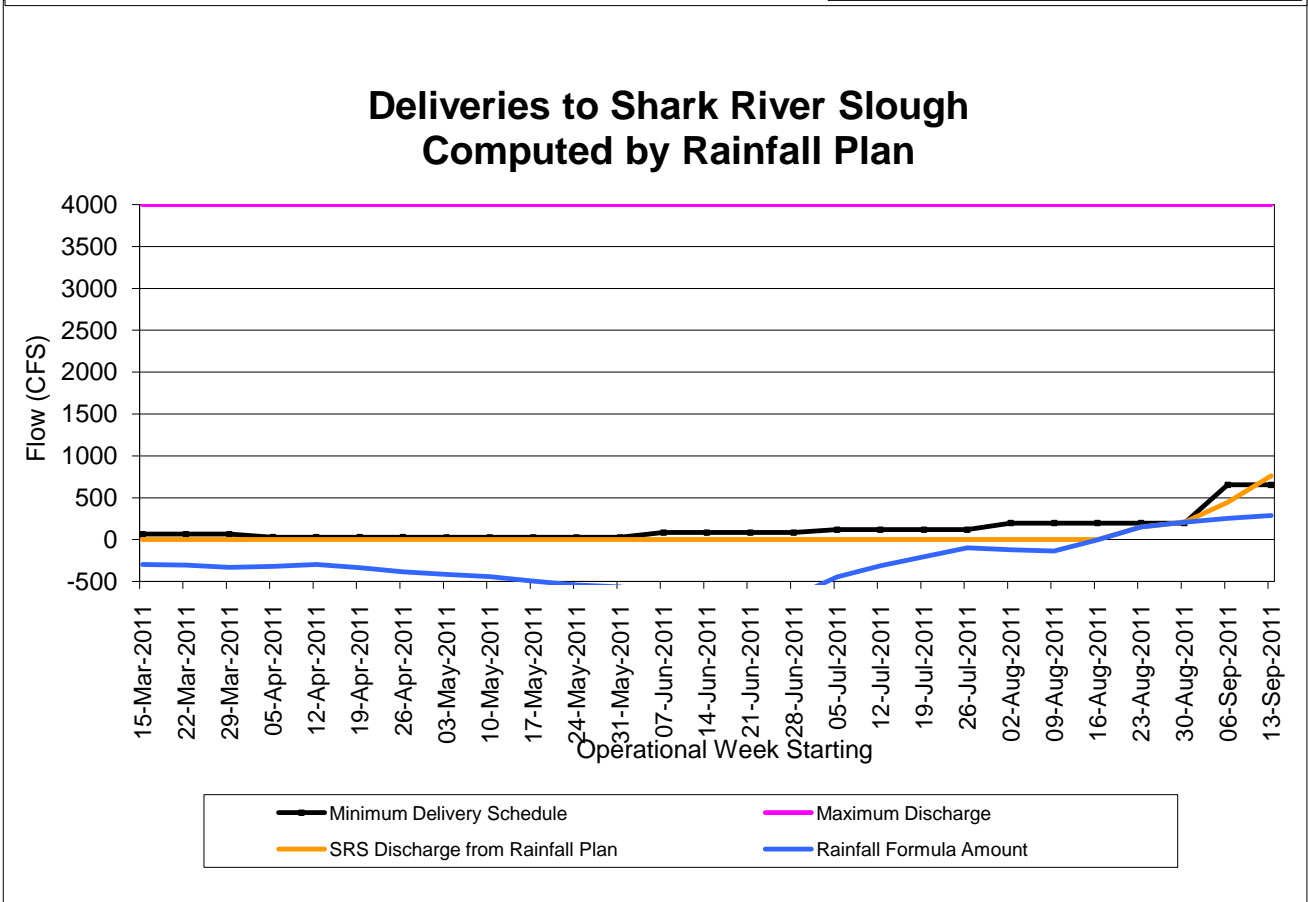
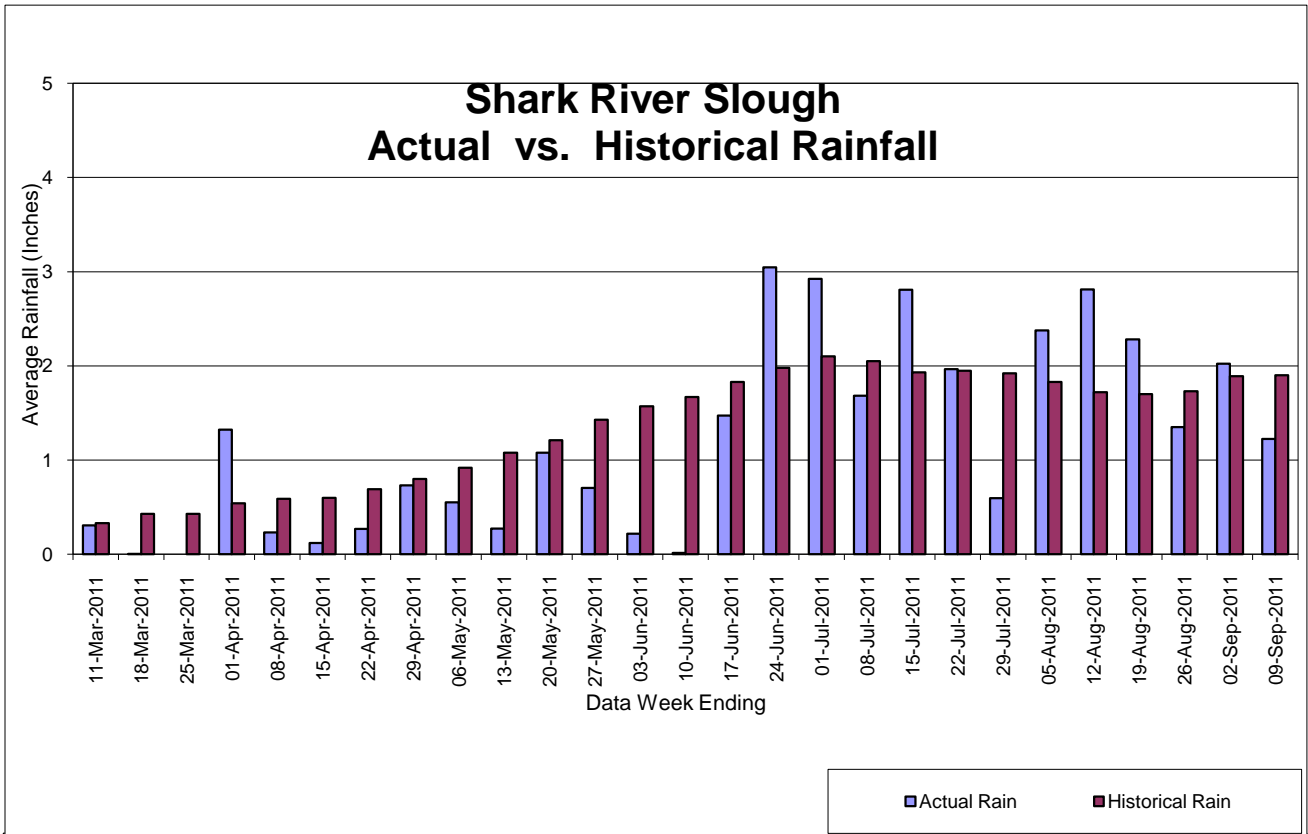
----- Statistical Parameters -----

Rainfall Formula Amount 289 cfs  
 Last Week's Rainfall Formula 254 cfs  
 Pre-Project Mean Discharge 310 cfs

Rainfall Excess Terms  
 RL1 -0.63 RL2 1.40 RL3 -0.97

**COMMENT: S7 estimated evap data and S140 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 September 6, 2011 to September 12, 2011 443 cfs

S-12 Discharge 199 cfs  
 S-333 Discharge 244 cfs

----- Data Summary -----  
 August 26, 2011 to September 2, 2011  
 WCA-3A Stage (end of week) 9.69 ft. msl  
 Angel's 6.40 ft. msl  
 G3273 6.57 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.02	1.24
S-140		1.18
ENP		M

This Week's Avg	2.02	1.21
Pre-Project Avg	1.89	1.36

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

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

Supplemental discharge is 189 cfs  
 Distance to Bottom of Transition Zone -0.08 feet  
 Distance to Bottom of Regulatory Zone 0.92 feet

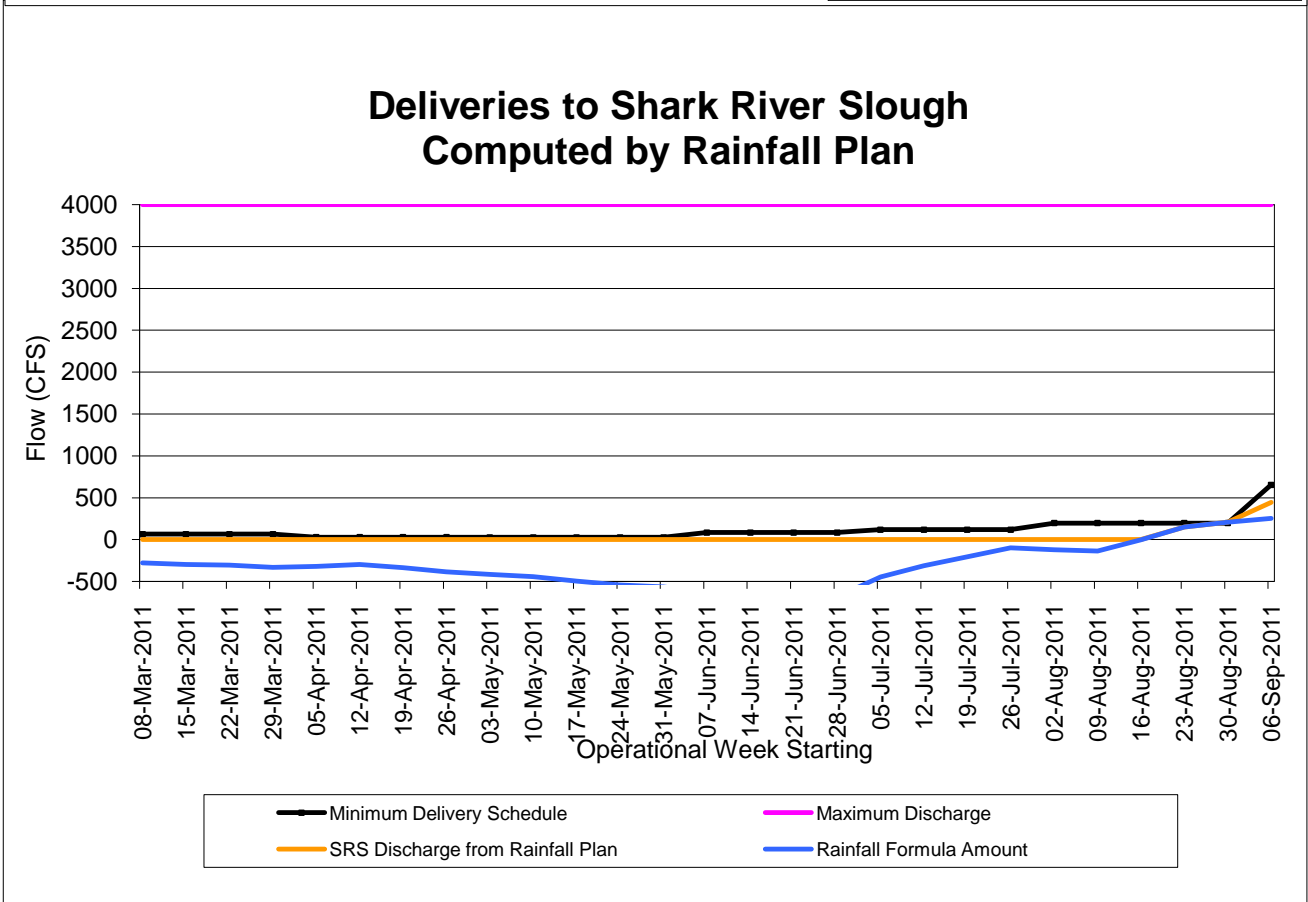
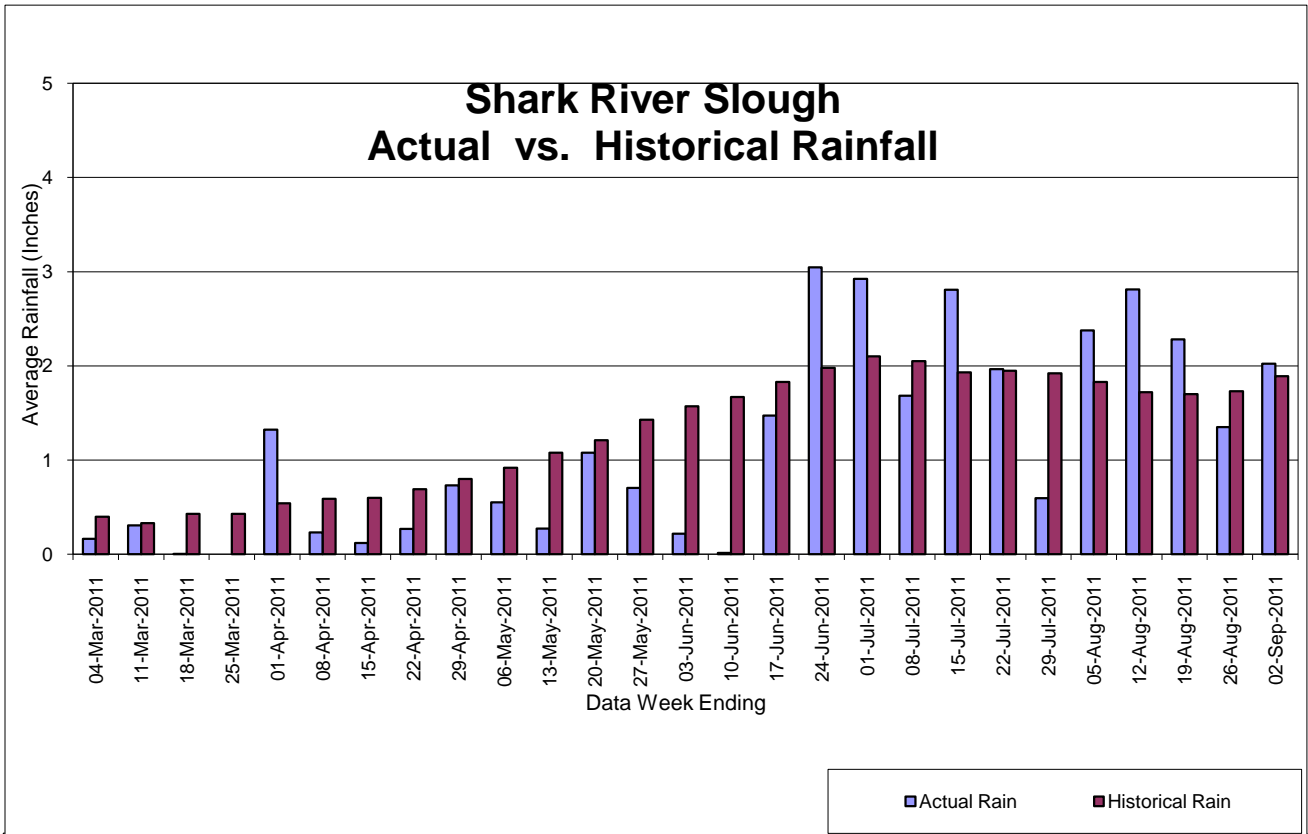
----- Statistical Parameters -----

Rainfall Formula Amount 254 cfs  
 Last Week's Rainfall Formula 207 cfs  
 Pre-Project Mean Discharge 257 cfs

Rainfall Excess Terms  
 RL1 -0.08 RL2 0.22 RL3 1.58

**COMMENT: S140 and S7 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 August 30, 2011 to September 5, 2011 207 cfs

S-12 Discharge 93 cfs  
 S-333 Discharge 114 cfs

----- Data Summary -----  
 August 19, 2011 to August 26, 2011  
 WCA-3A Stage (end of week) 9.52 ft. msl  
 Angel's 5.95 ft. msl  
 G3273 6.41 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.35	1.34
S-140		1.34
ENP		M
-----		
This Week's Avg	1.35	1.34
Pre-Project Avg	1.73	1.40

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.05 feet  
 Distance to Bottom of Regulatory Zone 1.05 feet

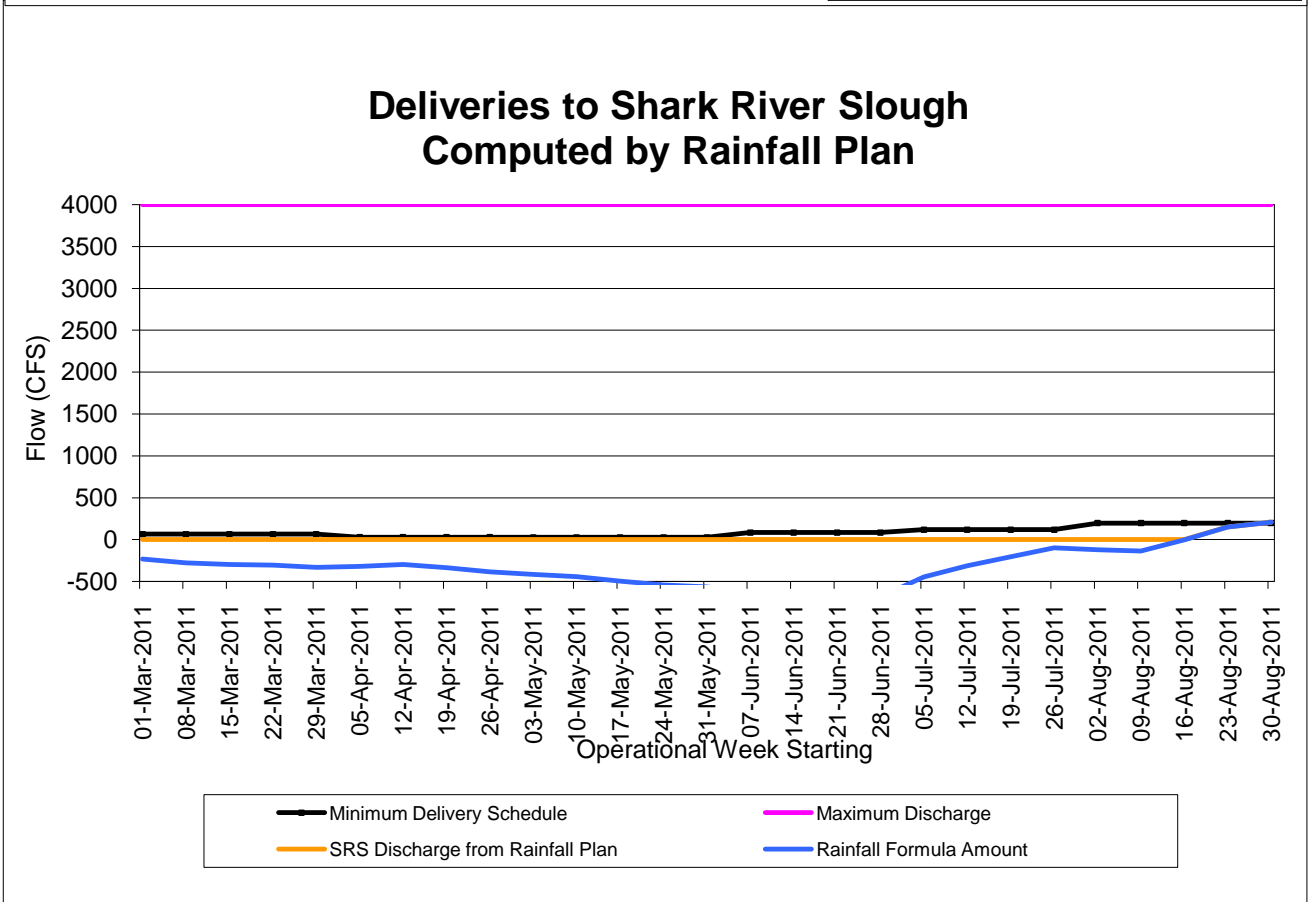
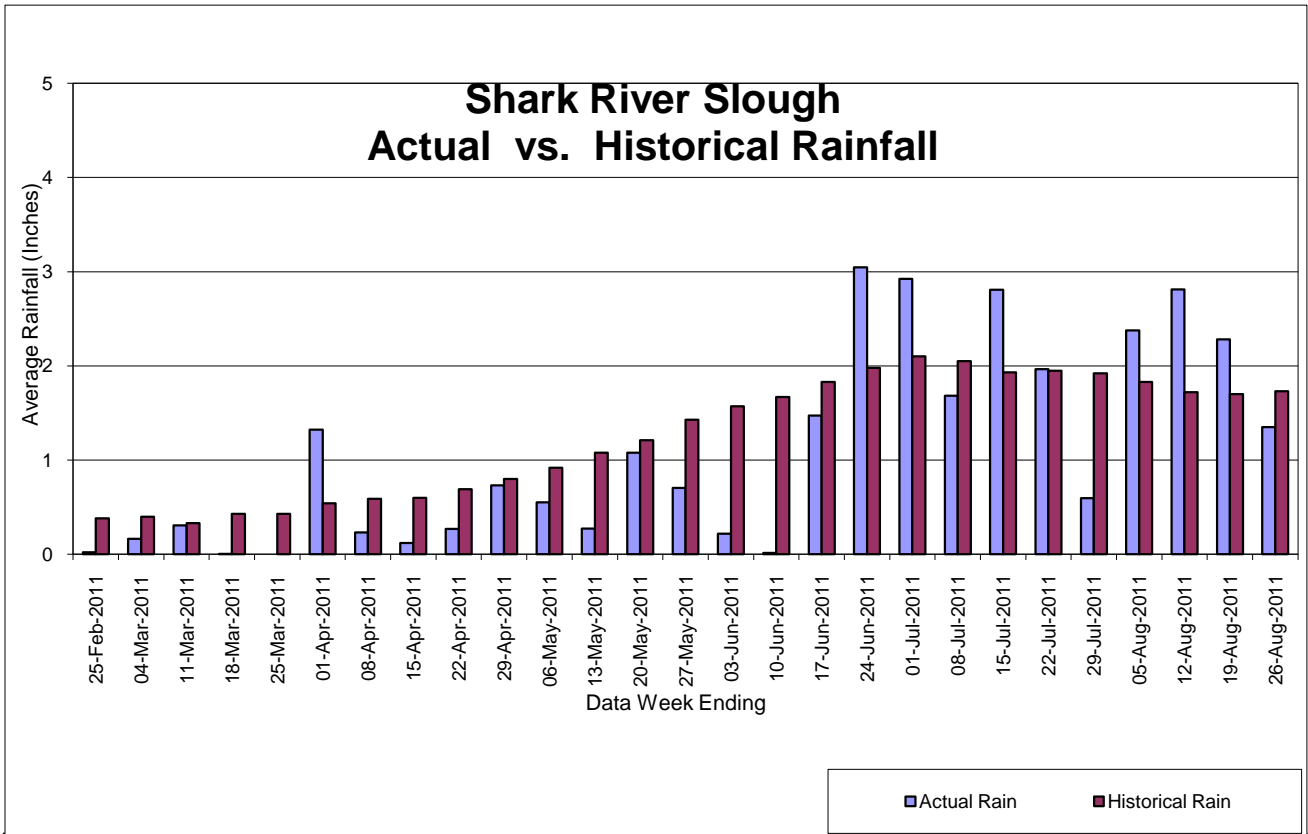
----- Statistical Parameters -----

Rainfall Formula Amount 207 cfs  
 Last Week's Rainfall Formula 150 cfs  
 Pre-Project Mean Discharge 223 cfs

Rainfall Excess Terms  
 RL1 0.04 RL2 -0.35 RL3 2.81

**COMMENT: S140 and S7 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 August 23, 2011 to August 29, 2011 150 cfs

S-12 Discharge 67 cfs  
 S-333 Discharge 82 cfs

----- Data Summary -----  
 August 12, 2011 to August 19, 2011  
 WCA-3A Stage (end of week) 9.43 ft. msl  
 Angel's 5.48 ft. msl  
 G3273 5.91 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.28	1.47
S-140		1.85
ENP		M

This Week's Avg	2.28	1.66
Pre-Project Avg	1.70	1.39

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.09 feet  
 Distance to Bottom of Regulatory Zone 1.09 feet

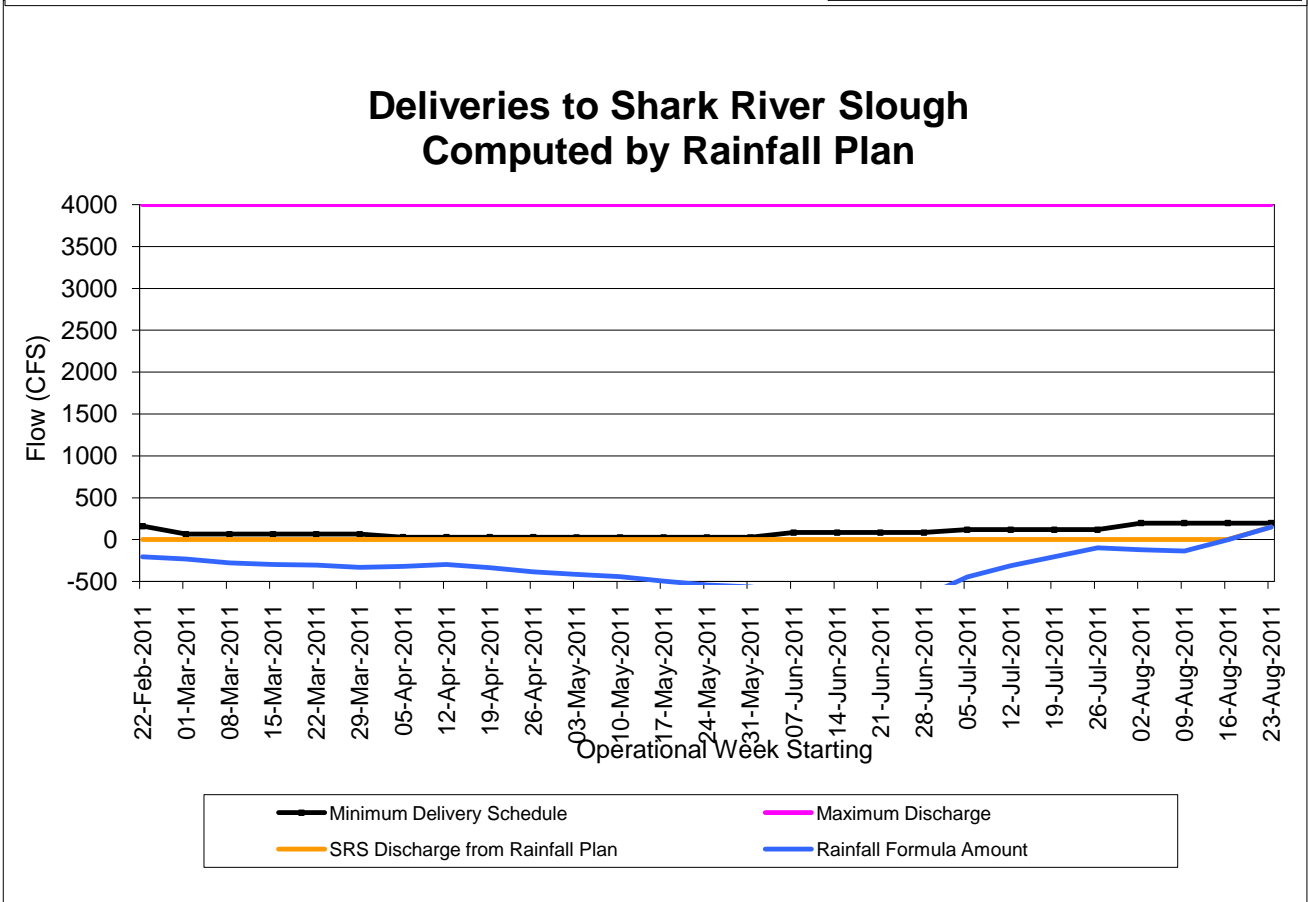
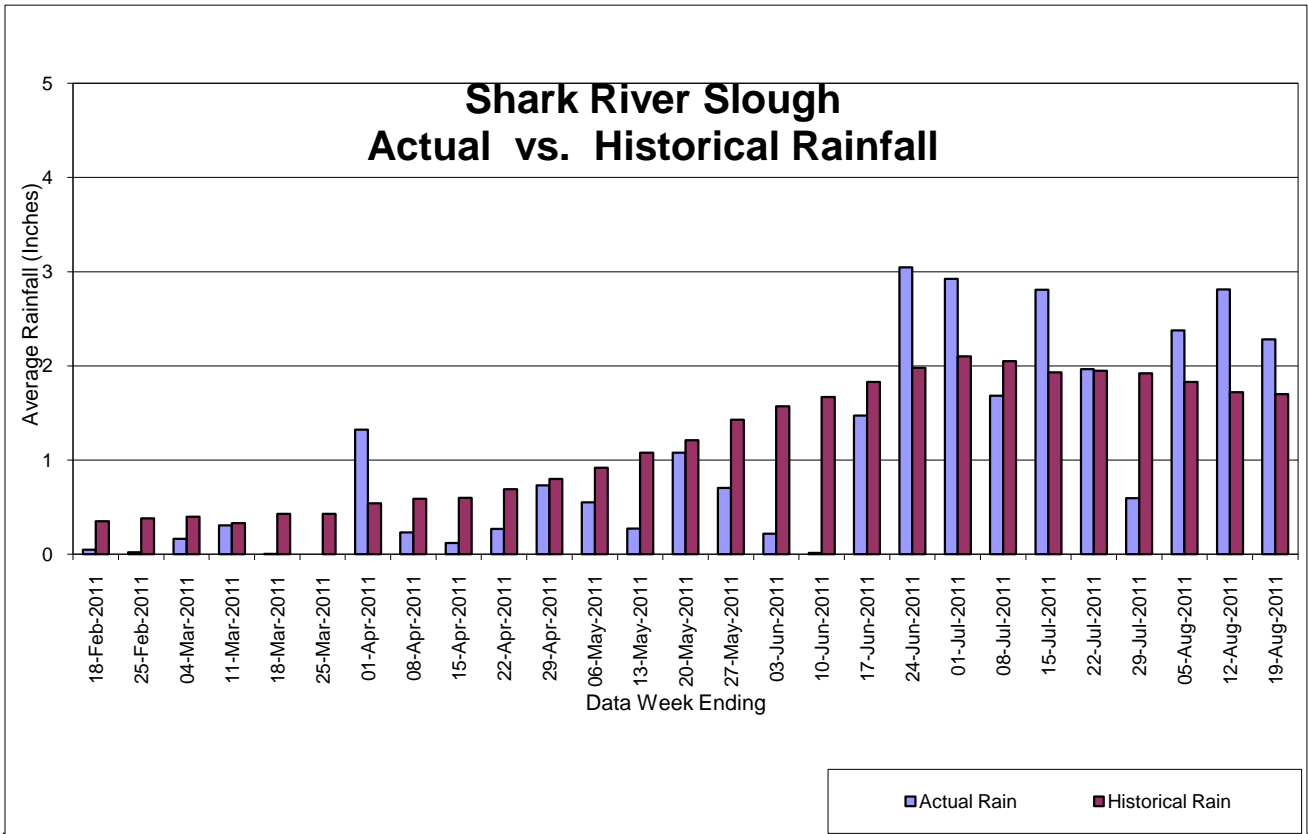
----- Statistical Parameters -----

Rainfall Formula Amount 150 cfs  
 Last Week's Rainfall Formula -1 cfs  
 Pre-Project Mean Discharge 199 cfs

Rainfall Excess Terms  
 RL1 1.54 RL2 -0.67 RL3 1.19

**COMMENT: S140 estimated evap data and S7 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 August 16, 2011 to August 22, 2011 0 cfs

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

----- Data Summary -----  
 August 5, 2011 to August 12, 2011  
 WCA-3A Stage (end of week) 9.29 ft. msl  
 Angel's 5.53 ft. msl  
 G3273 5.88 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.81	1.20
S-140		1.43
ENP		M

This Week's Avg	2.81	1.32
Pre-Project Avg	1.72	1.42

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.19 feet  
 Distance to Bottom of Regulatory Zone 1.19 feet

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

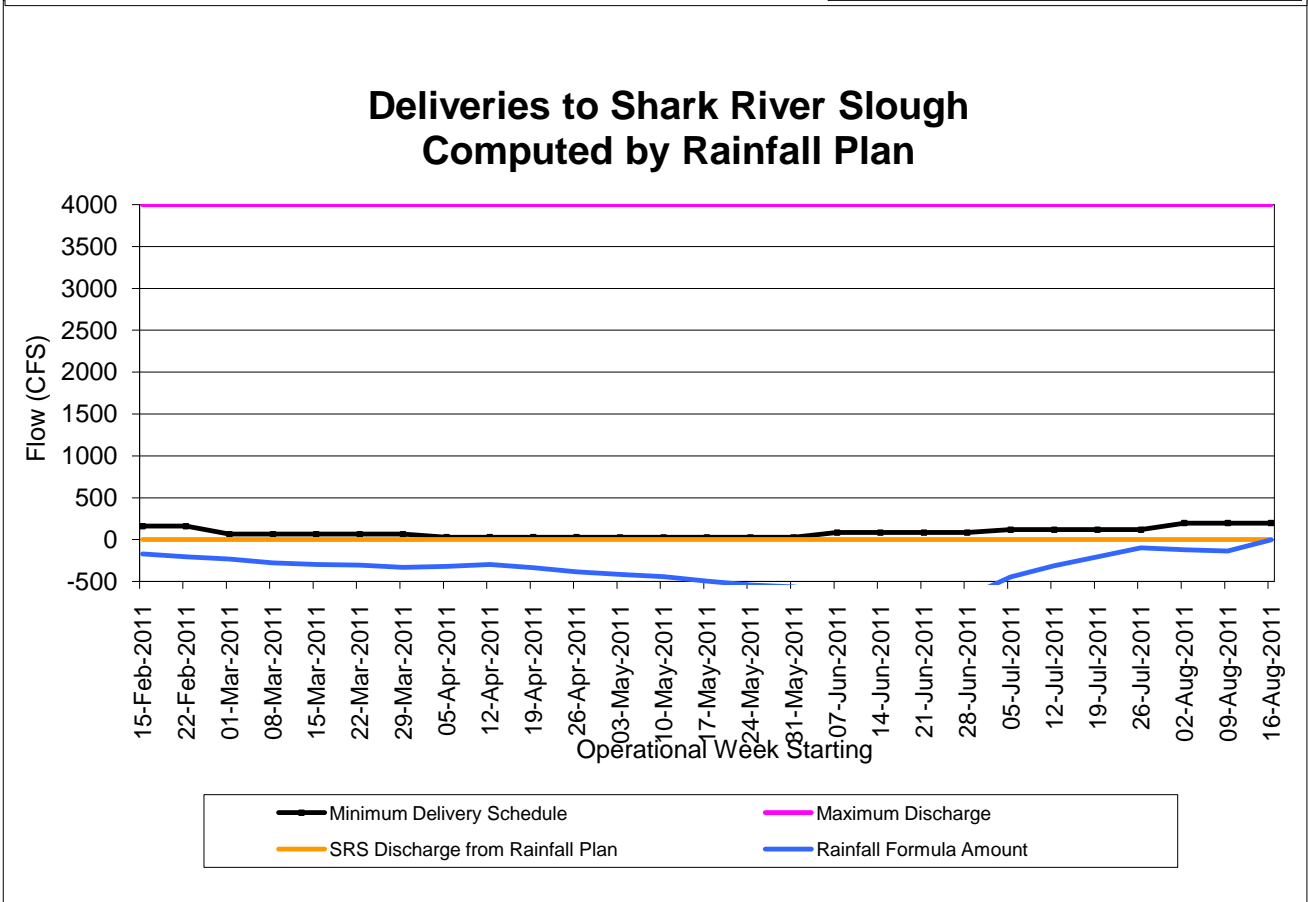
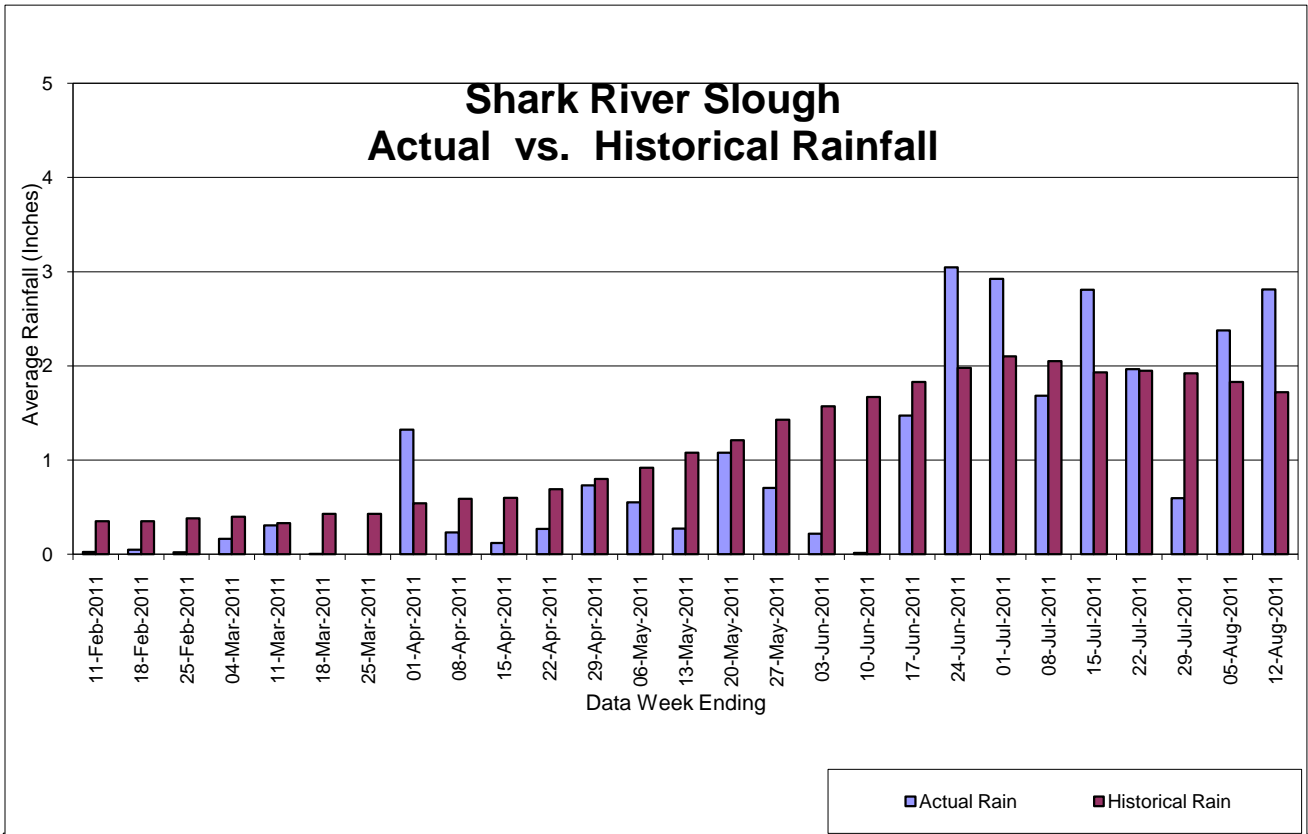
Rainfall Formula Amount -1 cfs  
 Last Week's Rainfall Formula -137 cfs  
 Pre-Project Mean Discharge 185 cfs

Rainfall Excess Terms

RL1 1.37	RL2 -0.97	RL3 -0.65
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**COMMENT: S7 estimated evap data and S140 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 August 9, 2011 to August 15, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) July 29, 2011 to August 5, 2011  
 Angel's 9.09 ft. msl  
 G3273 5.35 ft. msl  
5.94 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.38	1.88

S-140		1.85
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ENP		M
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This Week's Avg	2.38	1.87
Pre-Project Avg	1.83	1.42

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

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

Supplemental discharge is	0 cfs
Distance to Bottom of Transition Zone	0.34 feet
Distance to Bottom of Regulatory Zone	1.34 feet

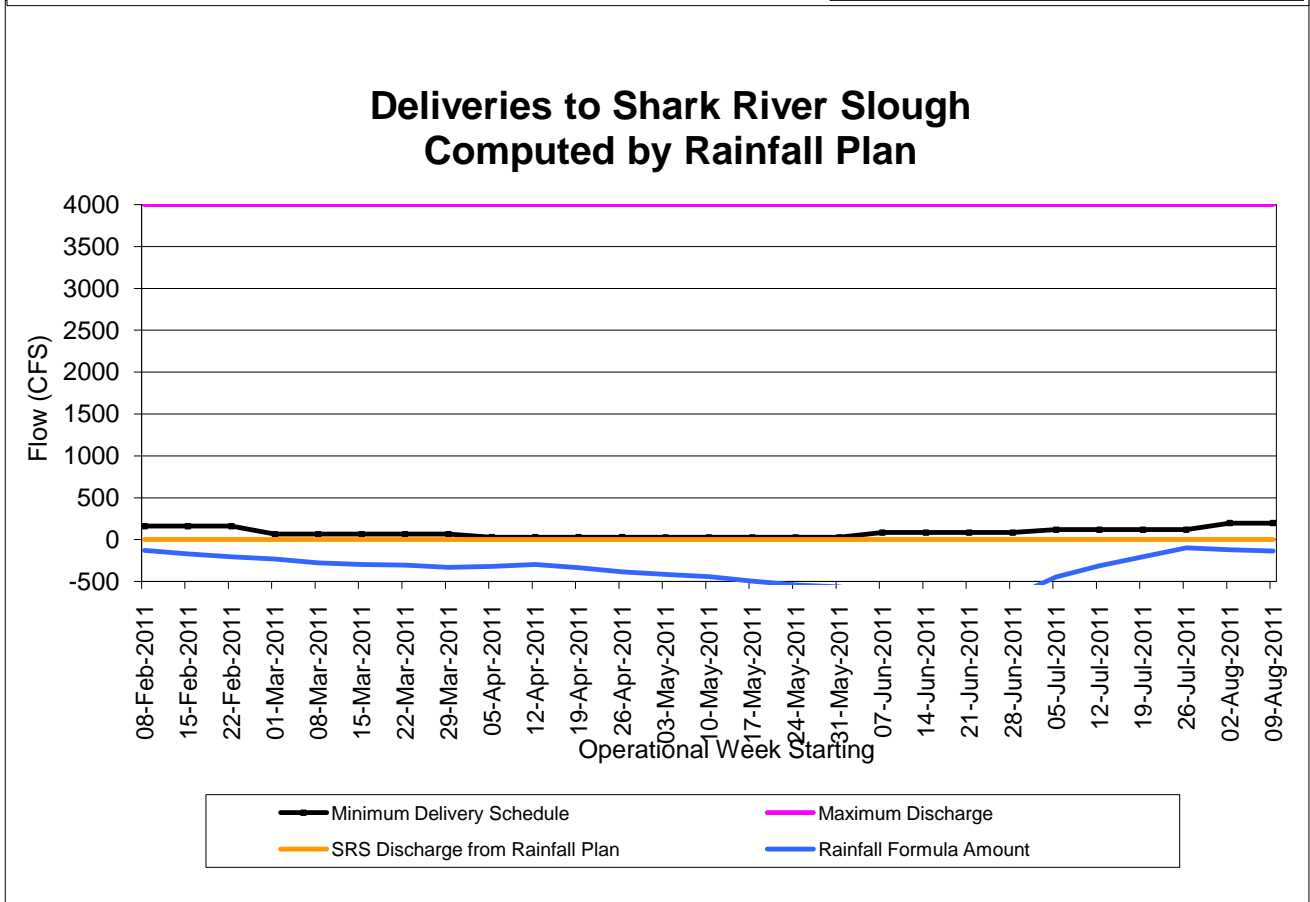
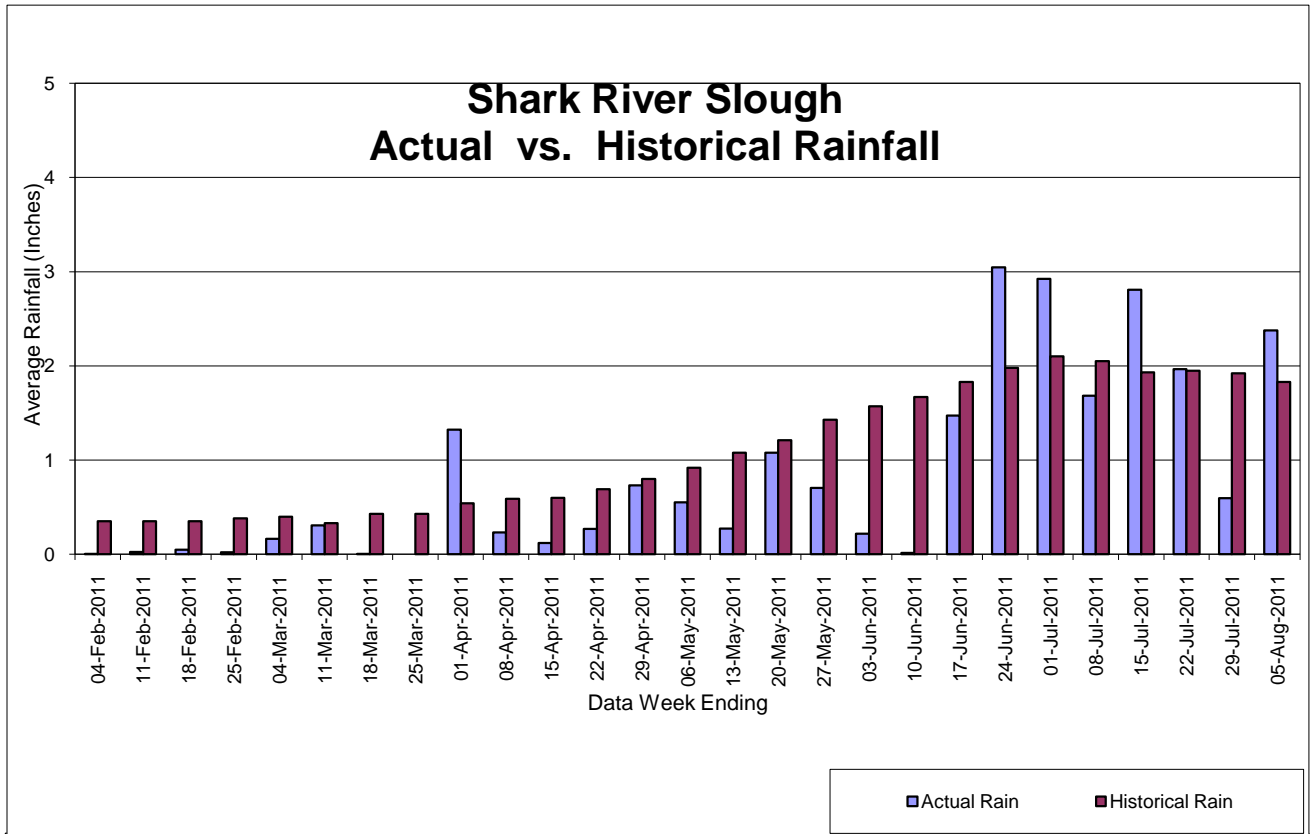
### ----- Statistical Parameters -----

Rainfall Formula Amount	-137 cfs
Last Week's Rainfall Formula	-122 cfs
Pre-Project Mean Discharge	175 cfs

Rainfall Excess Terms			
	RL1 -1.32	RL2 1.58	RL3 -3.31

**COMMENT: S7 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 August 2, 2011 to August 8, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) July 22, 2011 to July 29, 2011  
 Angel's 9.01 ft. msl  
 G3273 4.78 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	0.60	1.56
S-140		1.75
ENP		M

This Week's Avg	0.60	1.66
Pre-Project Avg	1.92	1.42

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.38 feet  
 Distance to Bottom of Regulatory Zone 1.38 feet

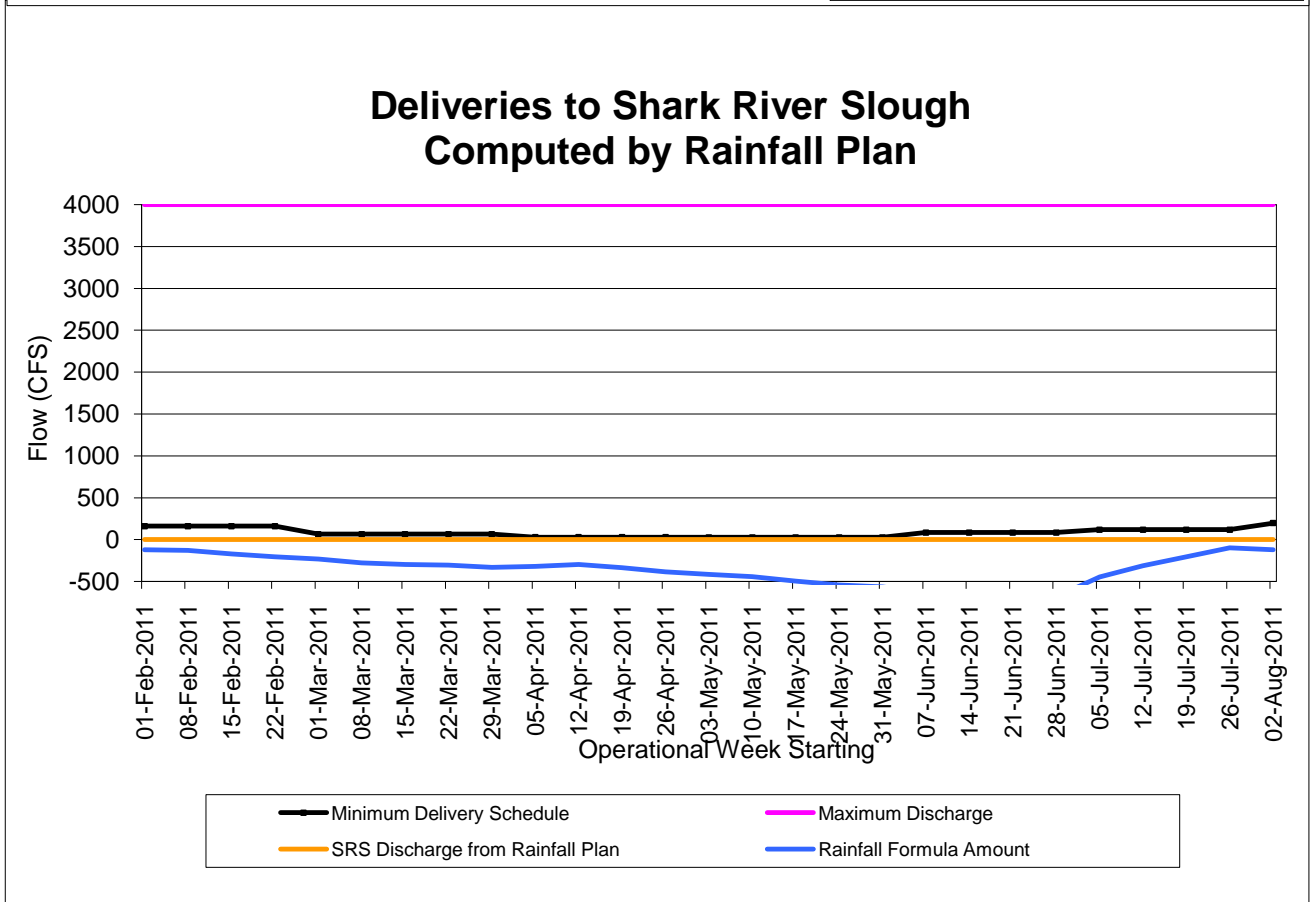
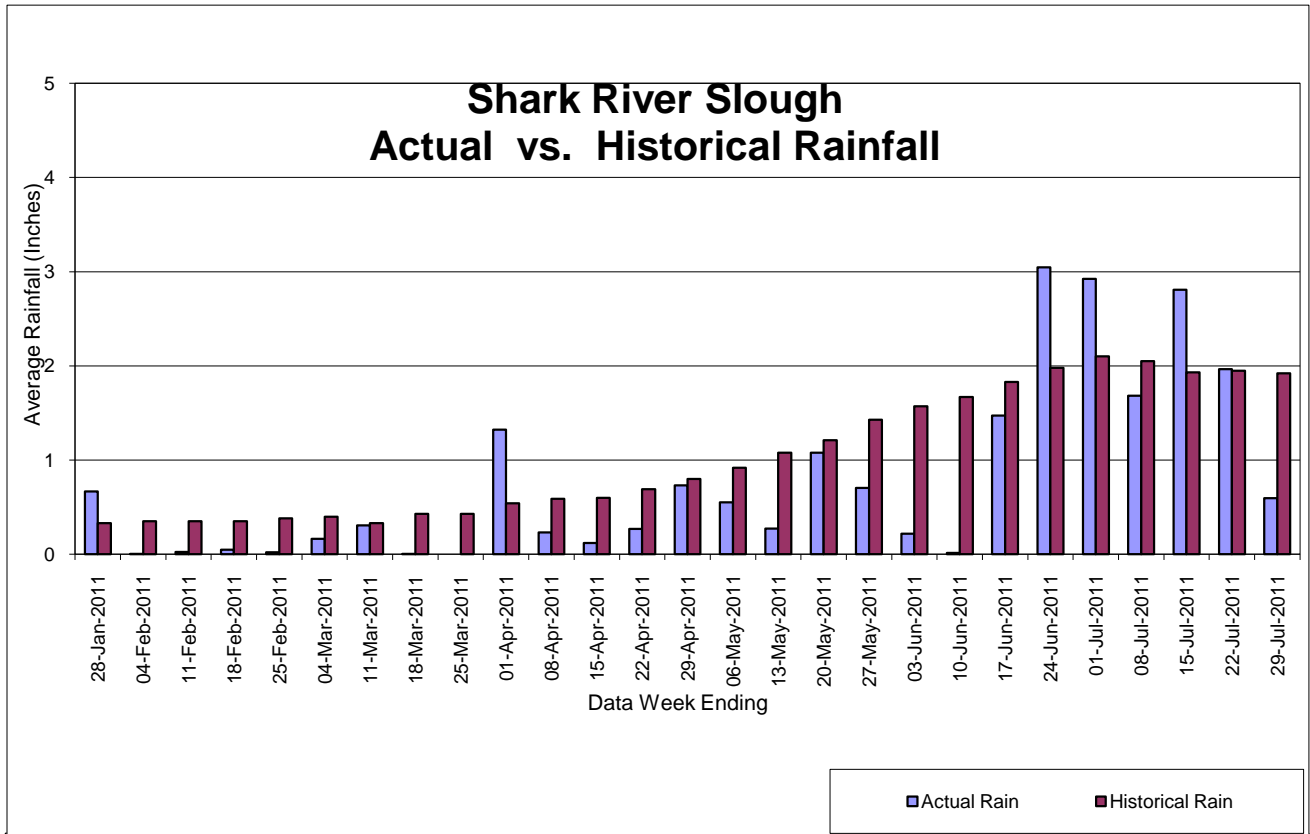
----- Statistical Parameters -----

Rainfall Formula Amount -122 cfs  
 Last Week's Rainfall Formula -96 cfs  
 Pre-Project Mean Discharge 162 cfs

Rainfall Excess Terms  
RL1 -1.72 RL2 2.81 RL3 -5.29

**COMMENT: S7 and S140 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 26, 2011 to August 1, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) July 15, 2011 to July 22, 2011  
 Angel's 9.08 ft. msl  
 G3273 5.33 ft. msl  
5.69 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.96	1.69
S-140		1.72
ENP		M

This Week's Avg	1.96	1.70
Pre-Project Avg	1.95	1.43

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.26 feet  
 Distance to Bottom of Regulatory Zone 1.26 feet

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

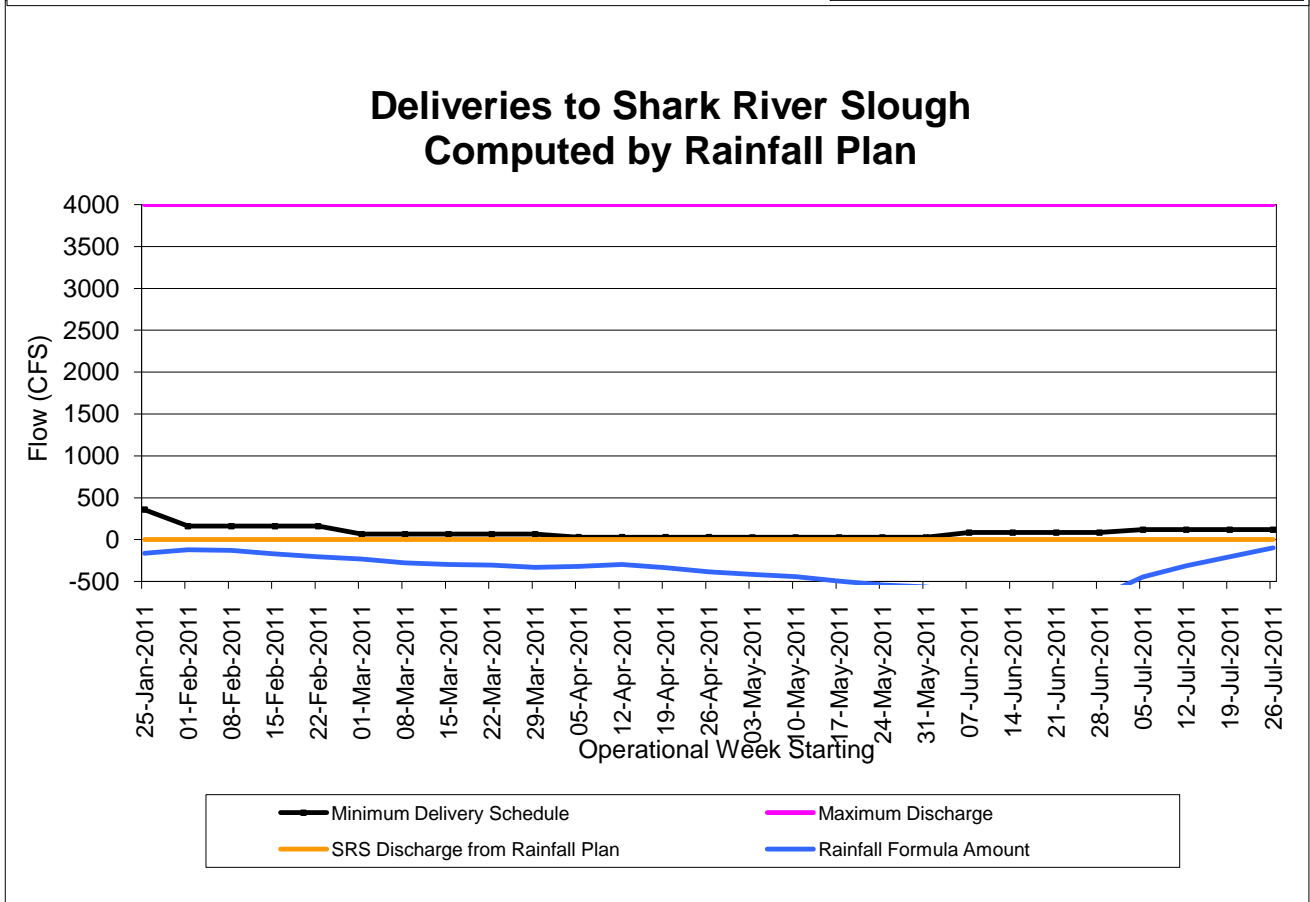
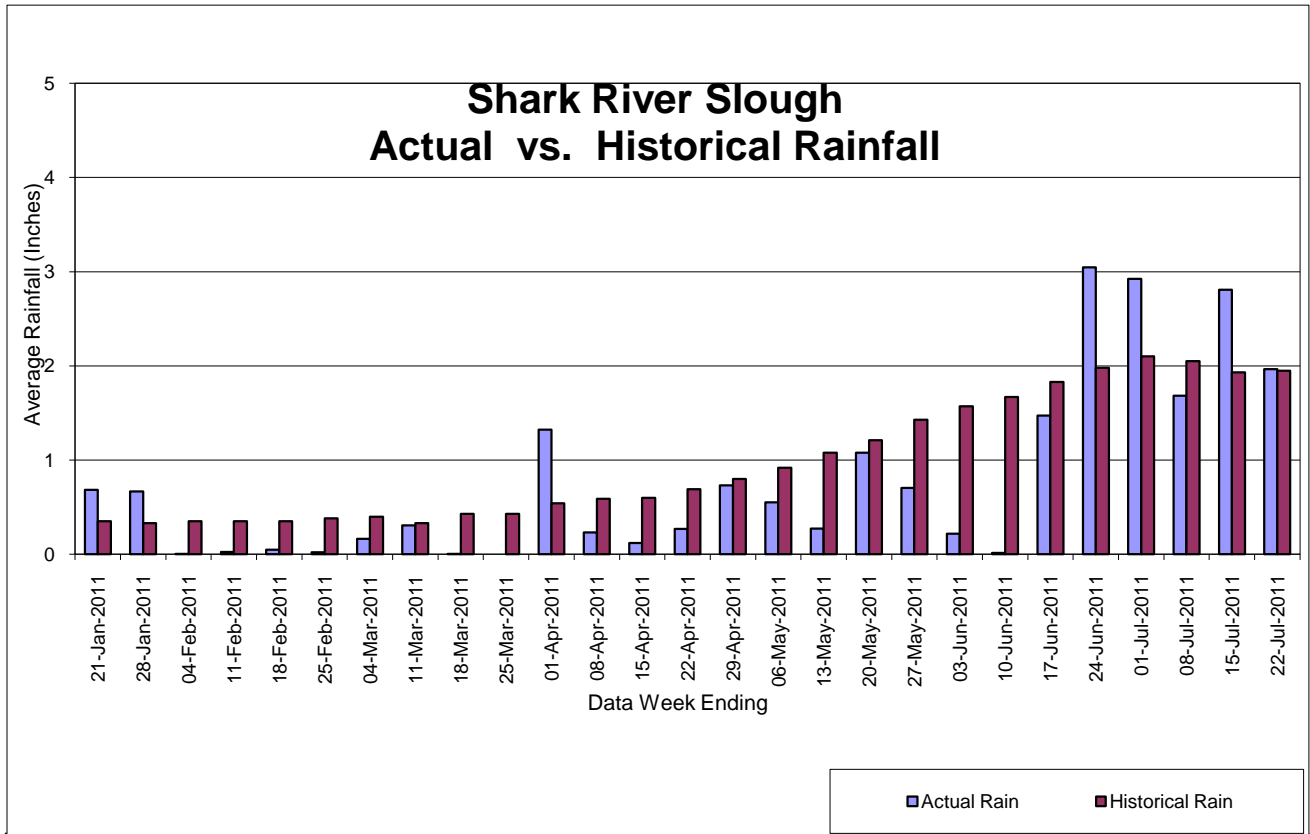
Rainfall Formula Amount -96 cfs  
 Last Week's Rainfall Formula -204 cfs  
 Pre-Project Mean Discharge 148 cfs

Rainfall Excess Terms

RL1 0.65	RL2 1.19	RL3 -5.10
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**COMMENT: S140 evap data and S7 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 19, 2011 to July 25, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) July 8, 2011 to July 15, 2011  
 Angel's 8.93 ft. msl  
 G3273 4.57 ft. msl  
5.23 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.81	1.54

S-140		1.43
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ENP		M
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This Week's Avg	2.81	1.48
Pre-Project Avg	1.93	1.45

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

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

Supplemental discharge is	0 cfs
Distance to Bottom of Transition Zone	0.36 feet
Distance to Bottom of Regulatory Zone	1.36 feet

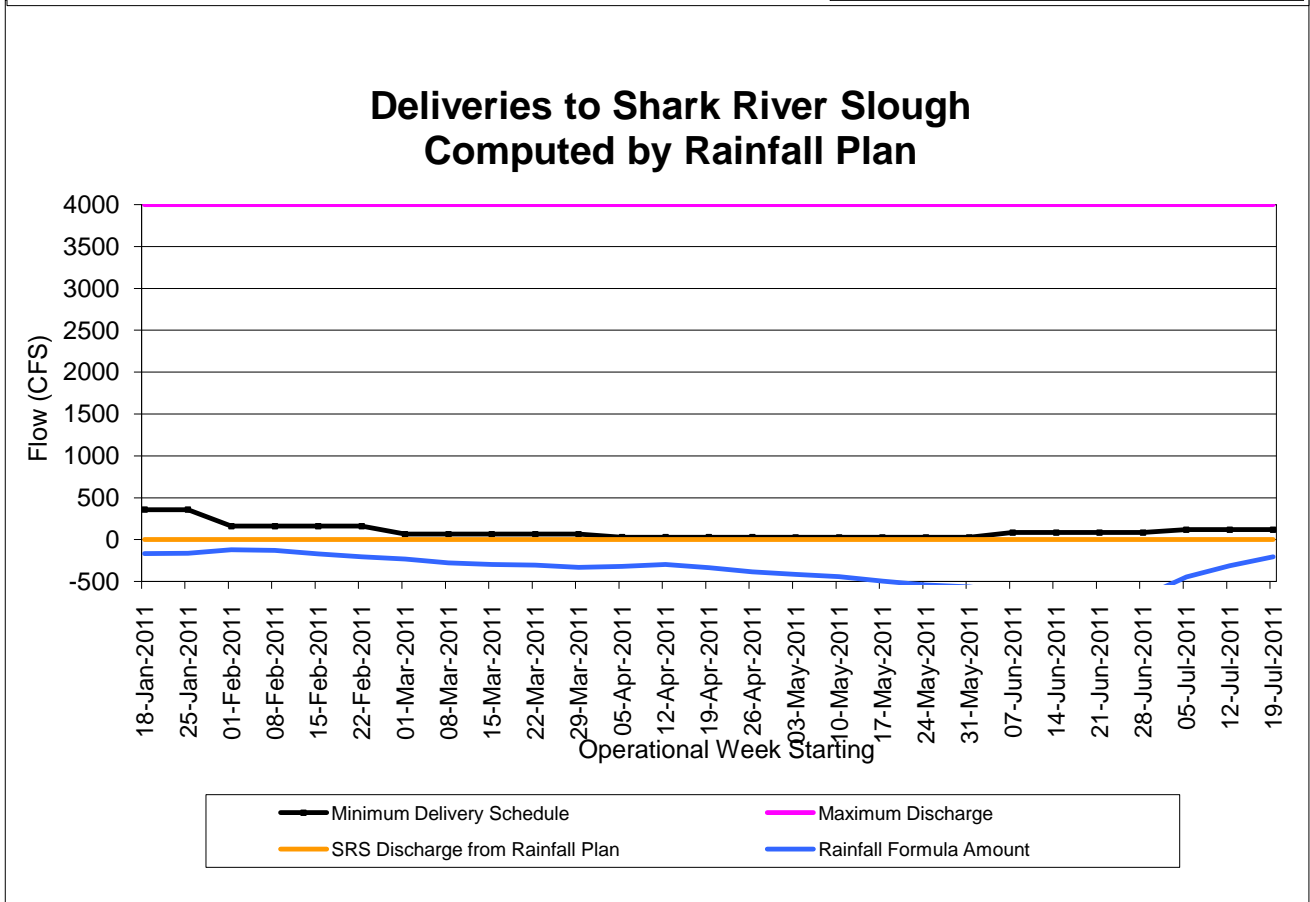
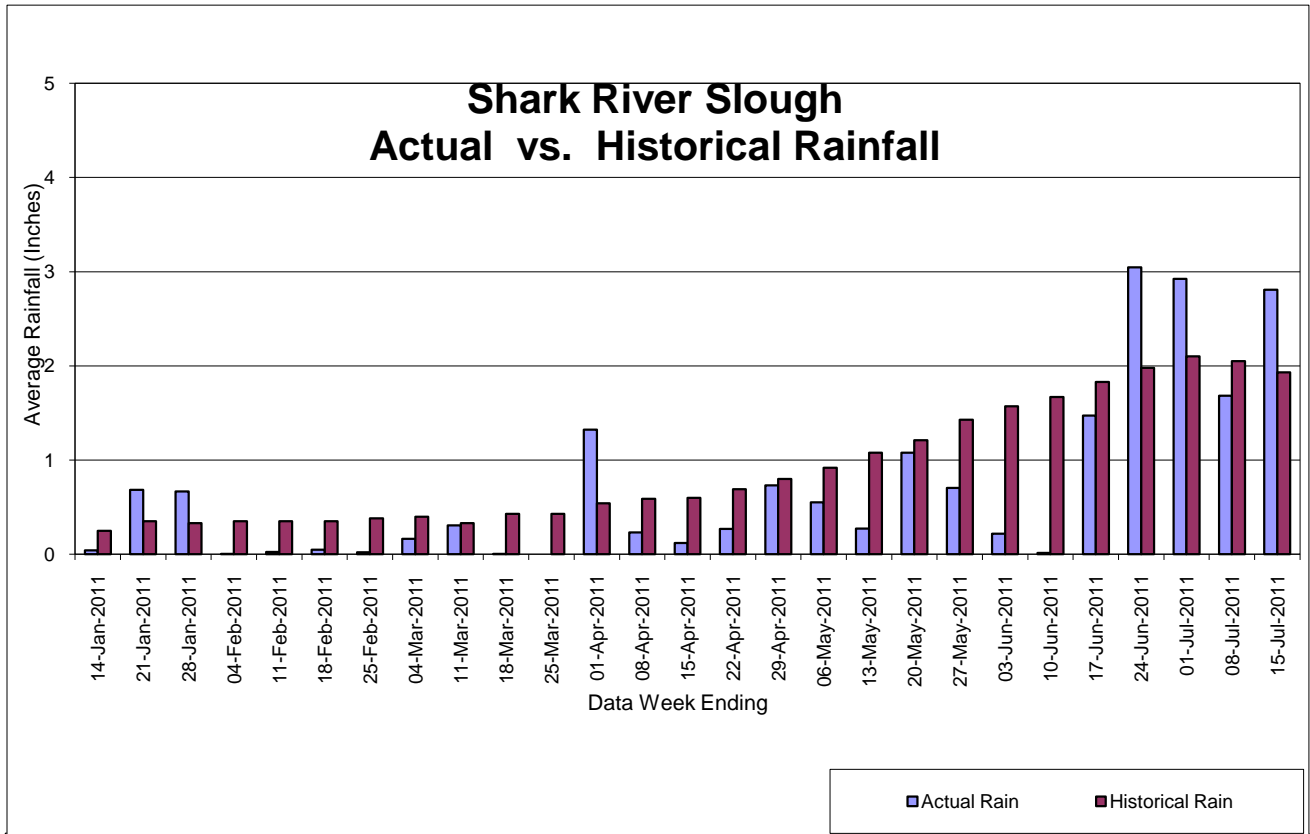
### ----- Statistical Parameters -----

Rainfall Formula Amount	-204 cfs
Last Week's Rainfall Formula	-313 cfs
Pre-Project Mean Discharge	128 cfs

Rainfall Excess Terms	RL1 0.74	RL2 -0.65	RL3 -4.30
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**COMMENT: S7 and S140 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 12, 2011 to July 18, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) July 1, 2011 to July 8, 2011  
 Angel's 8.84 ft. msl  
 G3273 5.05 ft. msl  
5.74 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.68	1.10
S-140		1.15
ENP		M

This Week's Avg	1.68	1.12
Pre-Project Avg	2.05	1.45

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.41 feet  
 Distance to Bottom of Regulatory Zone 1.41 feet

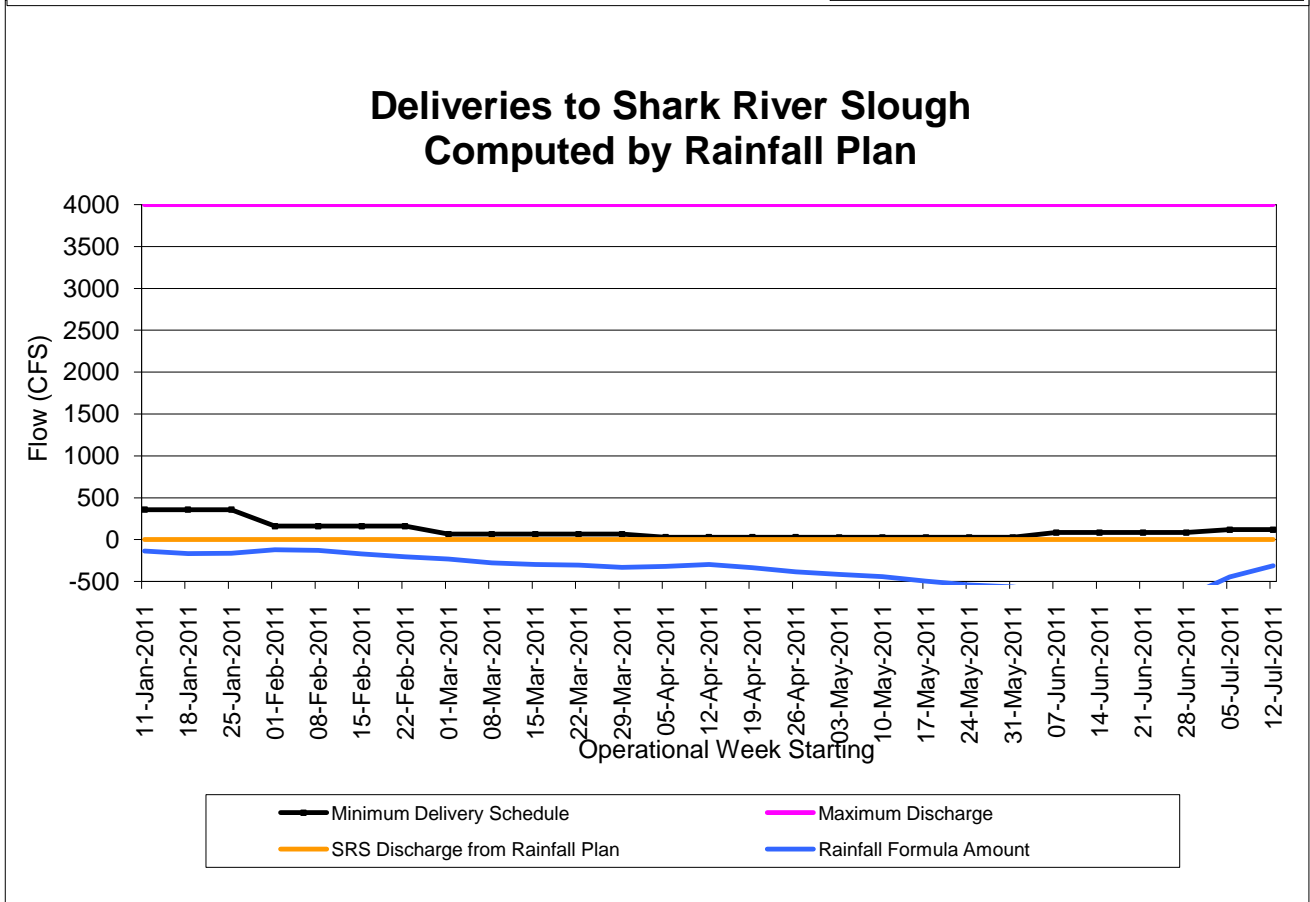
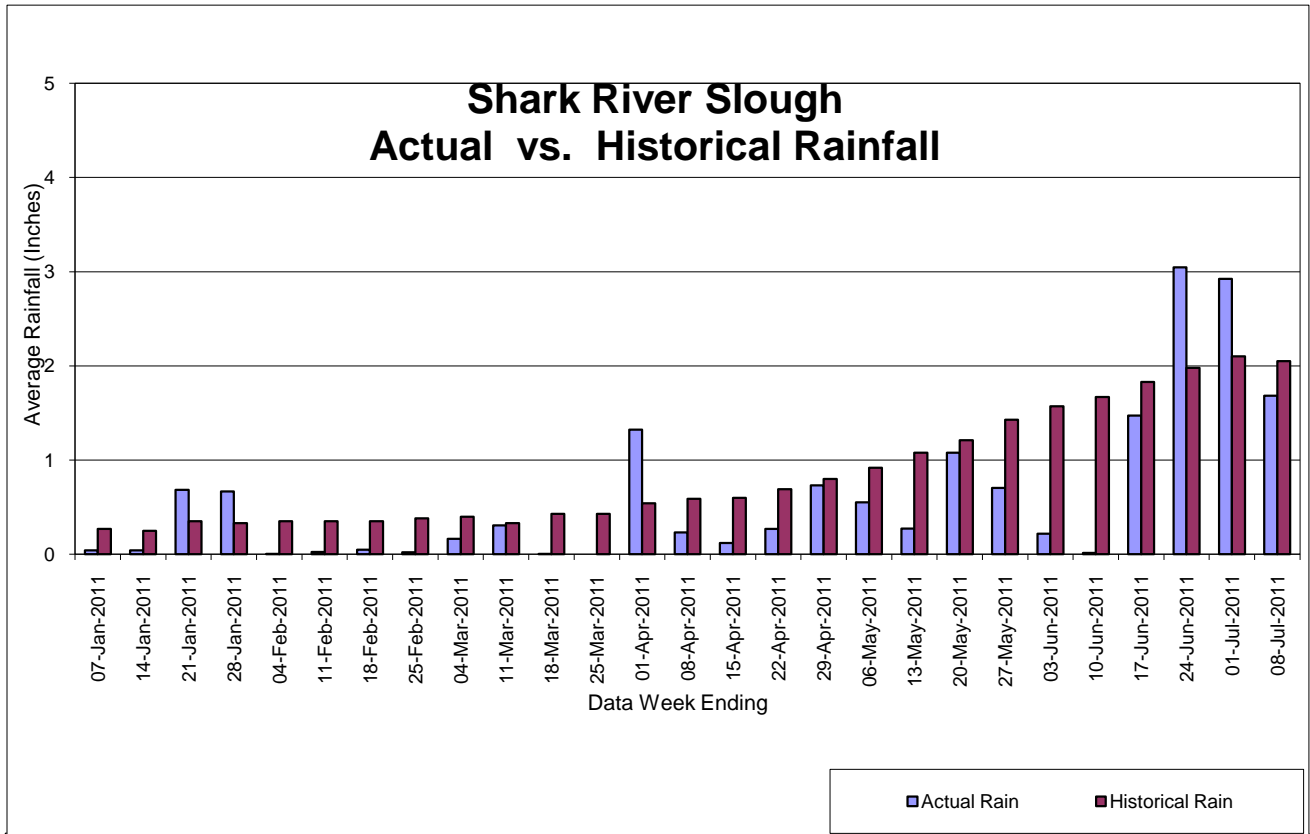
----- Statistical Parameters -----

Rainfall Formula Amount -313 cfs  
 Last Week's Rainfall Formula -446 cfs  
 Pre-Project Mean Discharge 111 cfs

Rainfall Excess Terms  
RL1 0.93 RL2 -3.31 RL3 -3.30

**COMMENT: S7 estimated evap data and S140 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 5, 2011 to July 11, 2011 0 cfs

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

----- Data Summary -----  
June 24, 2011 to July 1, 2011  
 WCA-3A Stage (end of week) 8.67 ft. msl  
 Angel's 3.88 ft. msl  
 G3273 5.54 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	2.92	1.05
S-140		1.40
ENP		M
This Week's Avg		
	2.92	1.22
Pre-Project Avg		
	2.10	1.49

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.62 feet  
 Distance to Bottom of Regulatory Zone 1.53 feet

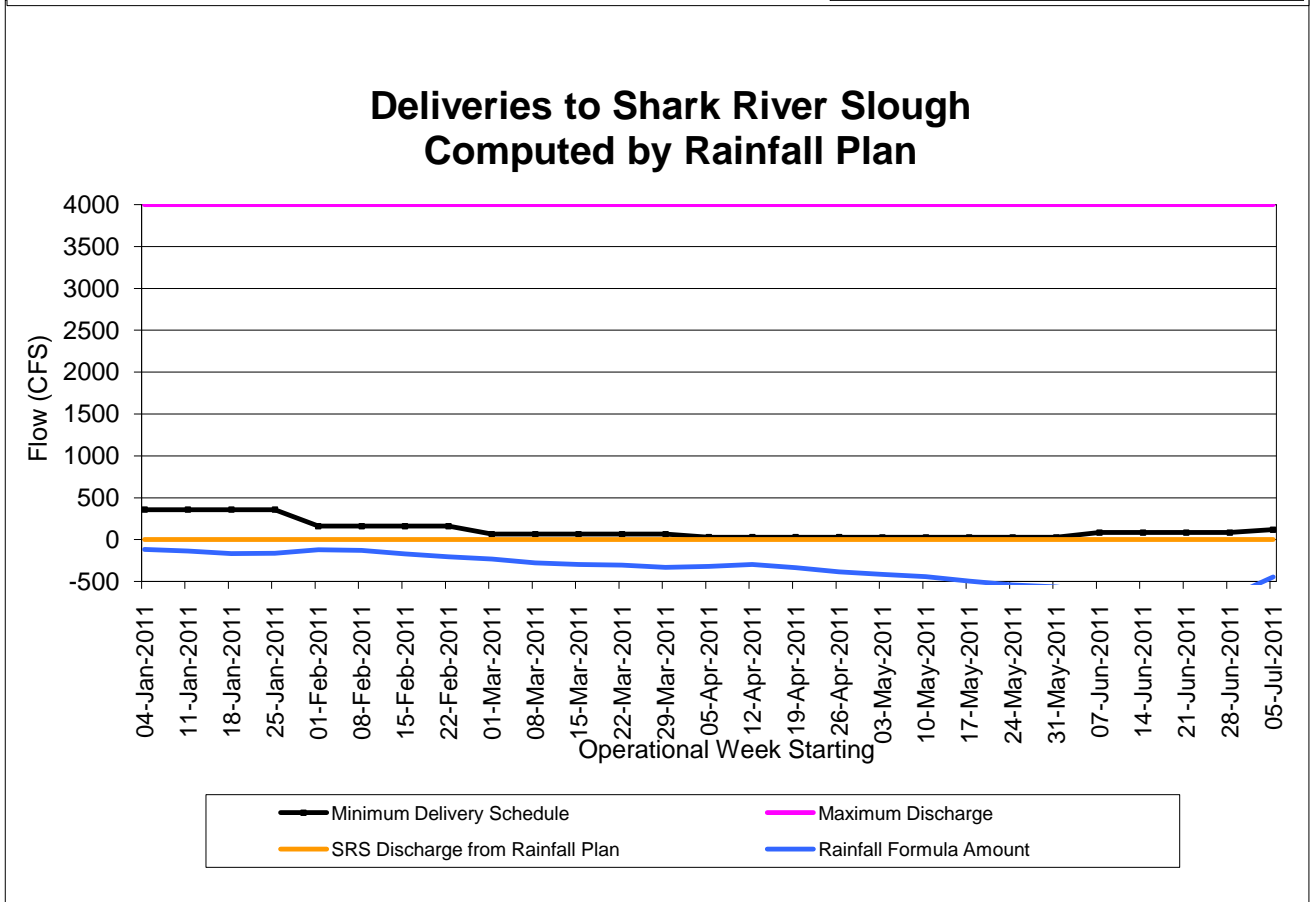
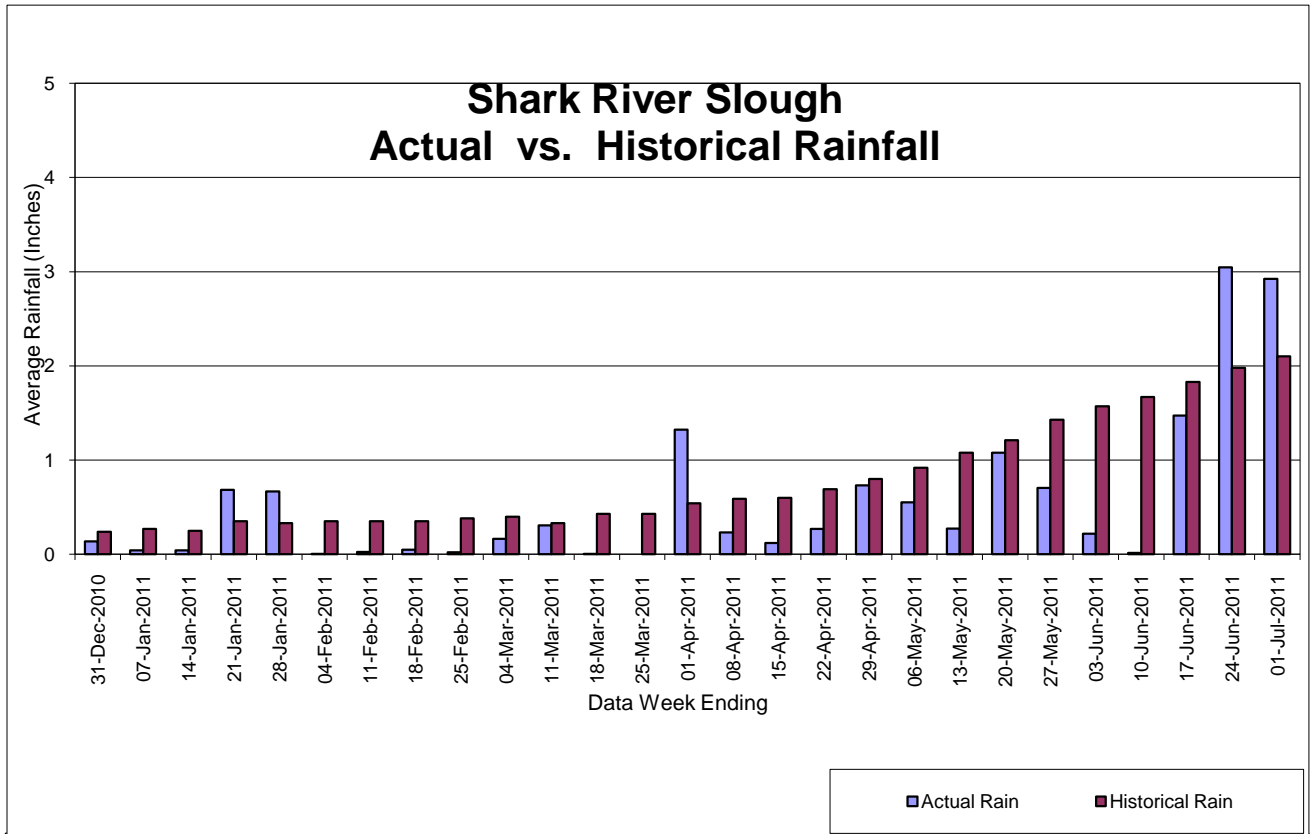
----- Statistical Parameters -----

Rainfall Formula Amount -446 cfs  
 Last Week's Rainfall Formula -681 cfs  
 Pre-Project Mean Discharge 94 cfs

Rainfall Excess Terms  
RL1 2.07 RL2 -5.29 RL3 -2.86

**COMMENT: S7 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 28, 2011 to July 4, 2011 0 cfs

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

----- Data Summary -----  
June 17, 2011 to June 24, 2011  
 WCA-3A Stage (end of week) 8.14 ft. msl  
 Angel's 2.28 ft. msl  
 G3273 2.39 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	3.05	1.48
S-140		1.63
ENP		M

	3.05	1.56
This Week's Avg	1.98	1.51
Pre-Project Avg		

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.20 feet  
 Distance to Bottom of Regulatory Zone 2.02 feet

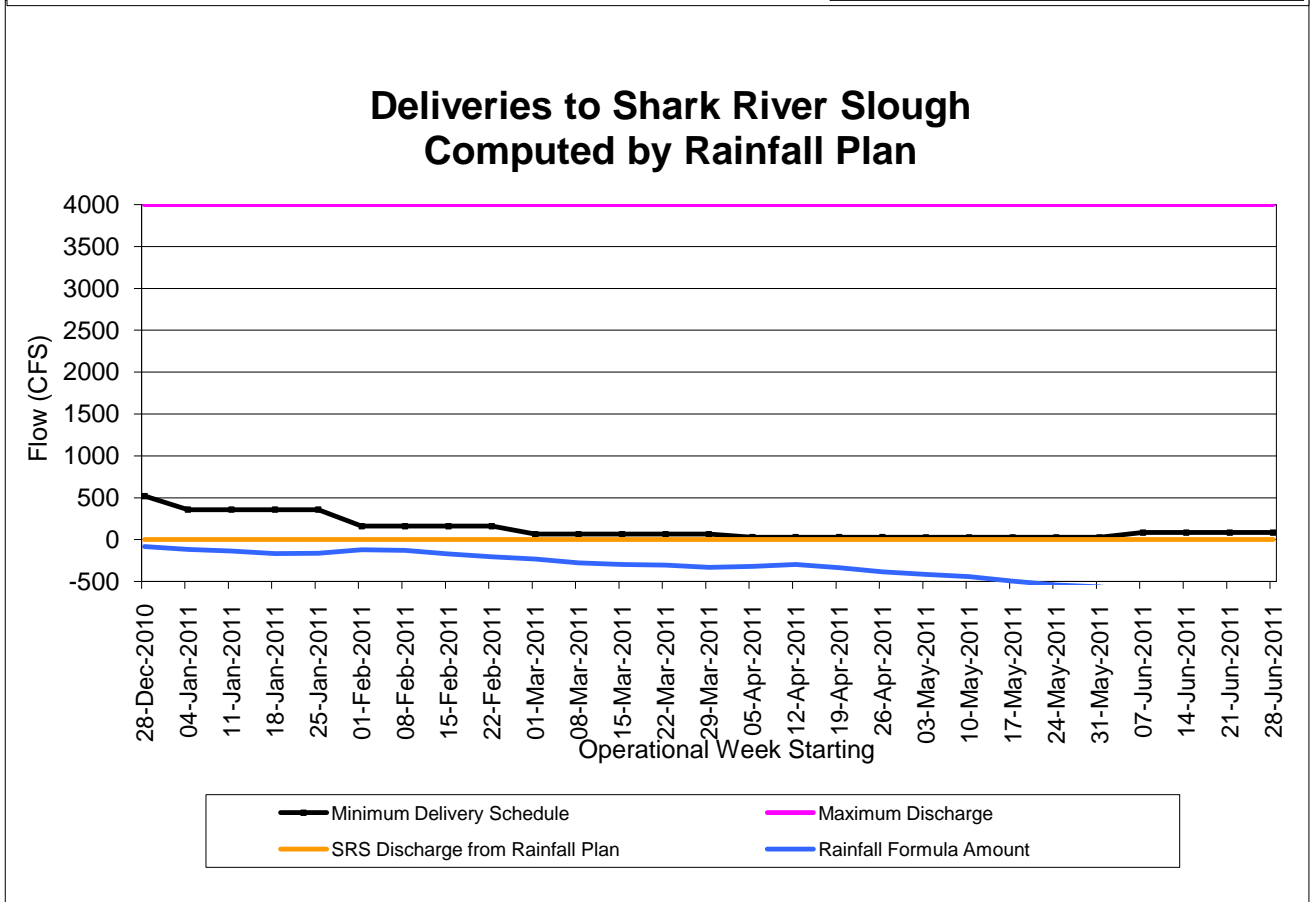
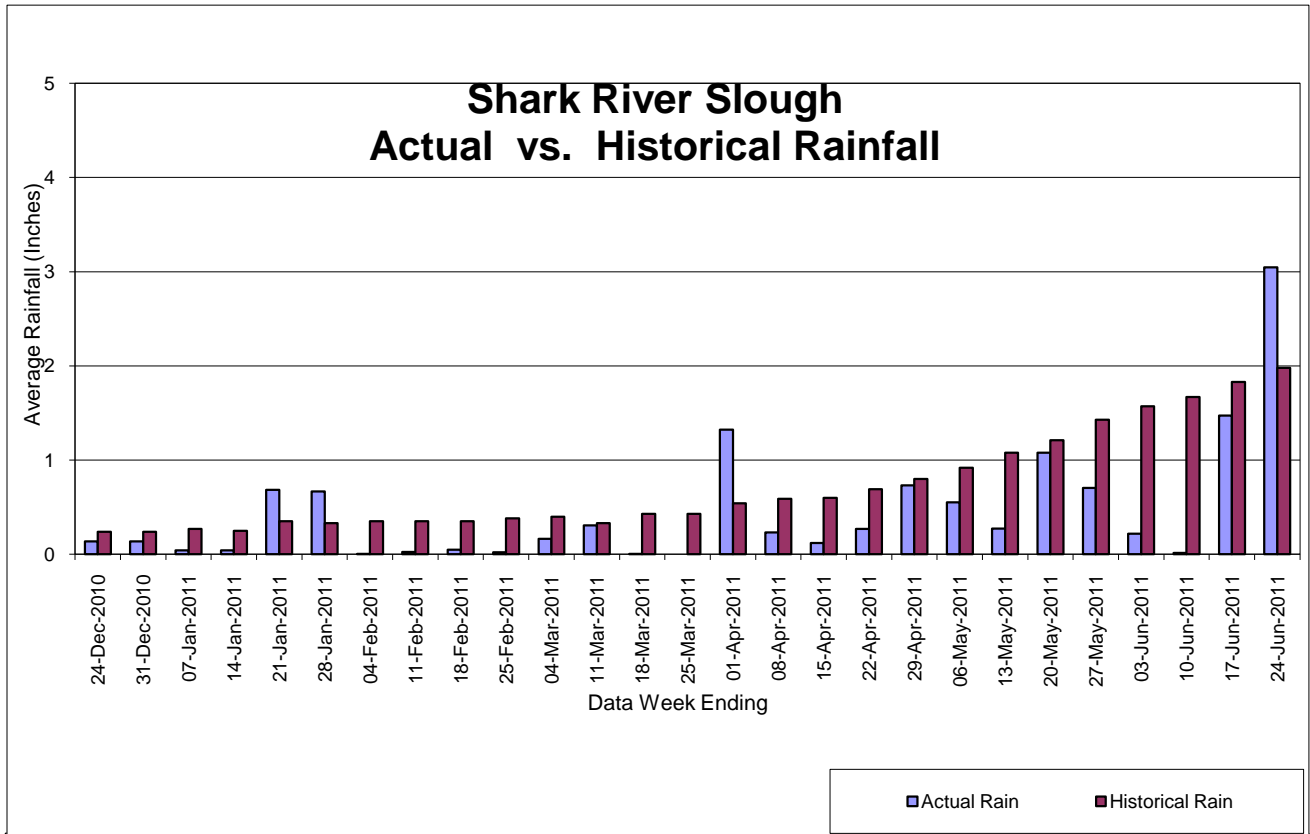
----- Statistical Parameters -----

Rainfall Formula Amount -681 cfs  
 Last Week's Rainfall Formula -800 cfs  
 Pre-Project Mean Discharge 75 cfs

Rainfall Excess Terms  
RL1 0.26 RL2 -5.10 RL3 -3.03

**COMMENT: S140 evap data and S7 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 21, 2011 to June 27, 2011 0 cfs

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

----- Data Summary -----  
 June 10, 2011 to June 17, 2011  
 WCA-3A Stage (end of week) 7.31 ft. msl  
 Angel's 2.14 ft. msl  
 G3273 2.12 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.47	2.05
S-140		2.08
ENP		M

This Week's Avg	1.47	2.07
Pre-Project Avg	1.83	1.55

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 2.08 feet  
 Distance to Bottom of Regulatory Zone 2.80 feet

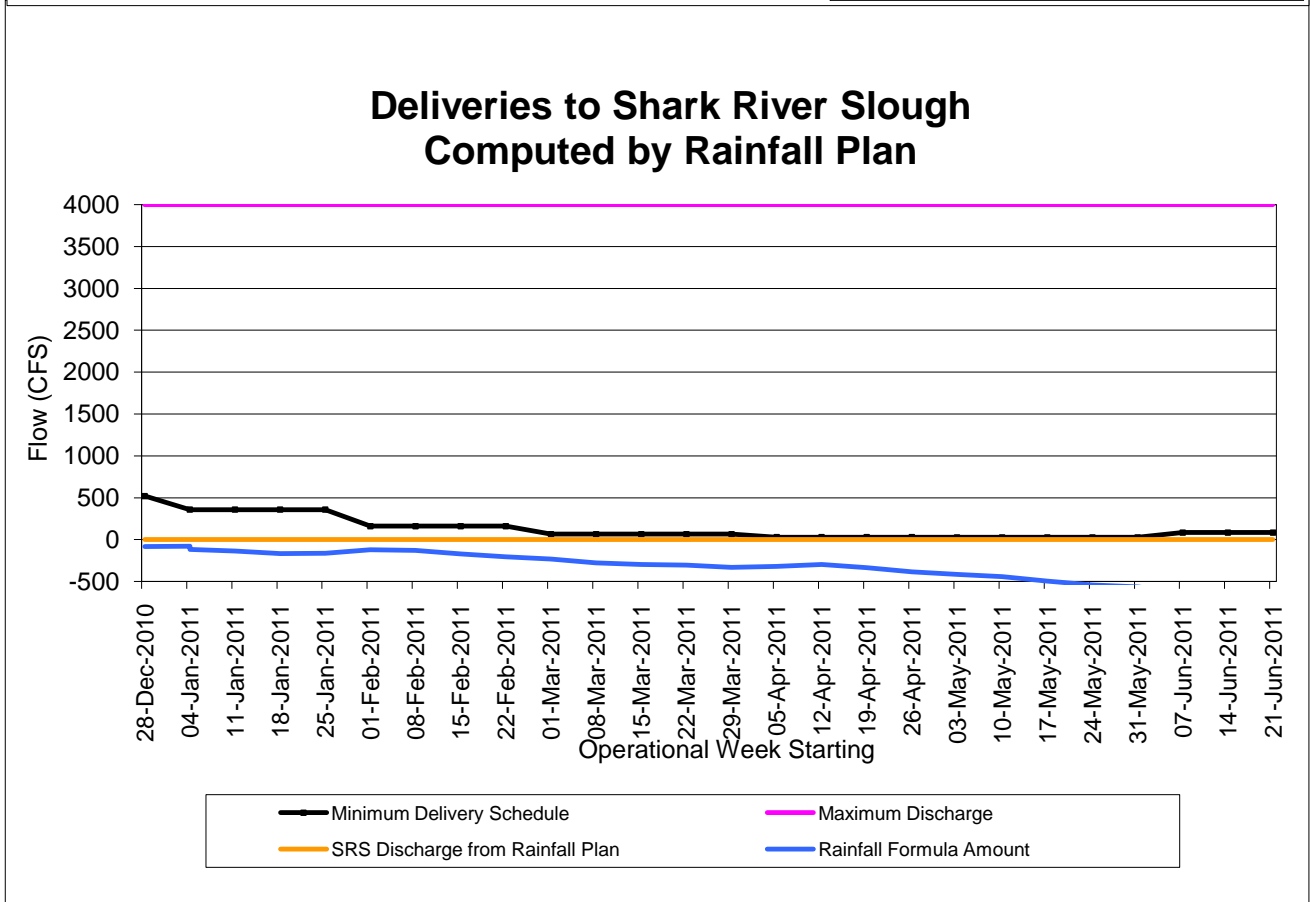
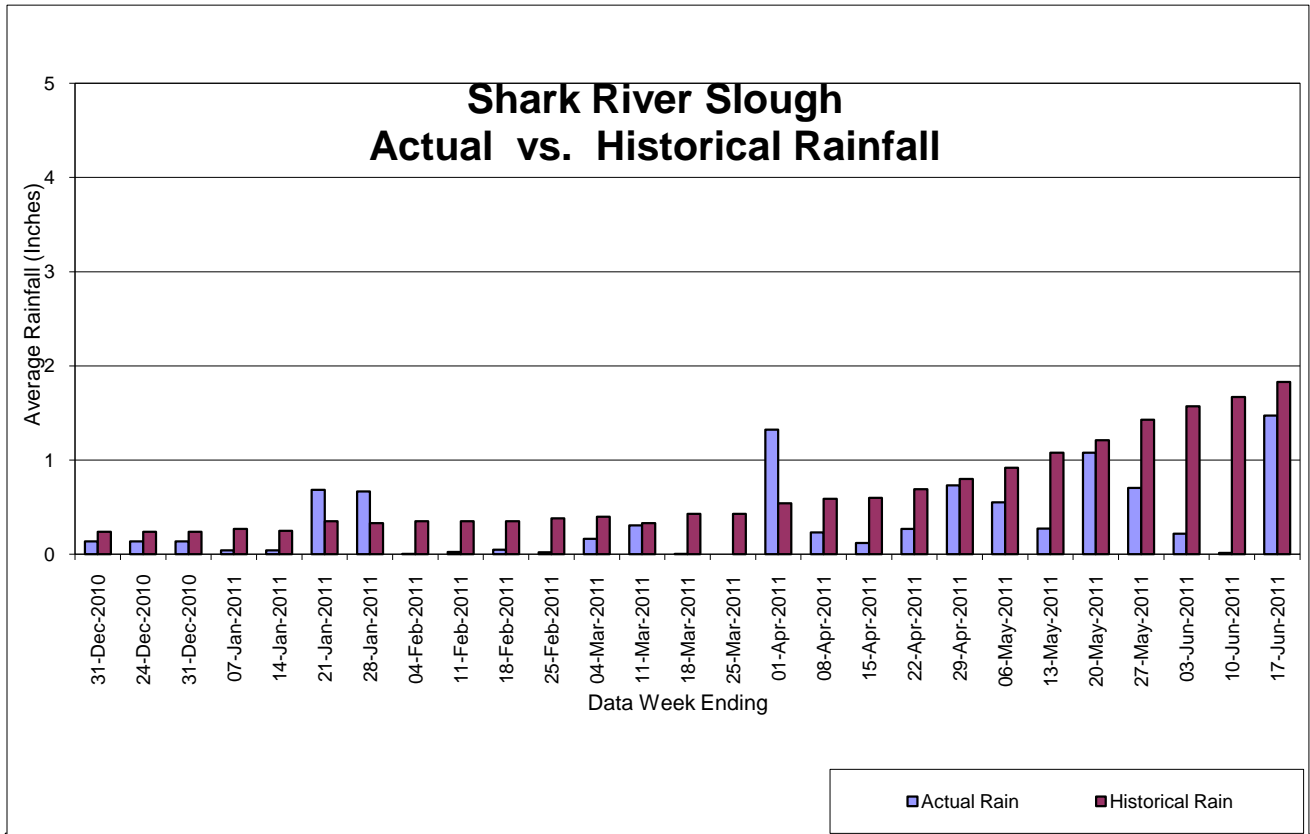
----- Statistical Parameters -----

Rainfall Formula Amount -800 cfs  
 Last Week's Rainfall Formula -746 cfs  
 Pre-Project Mean Discharge 54 cfs

Rainfall Excess Terms  
RL1 -2.72 RL2 -4.30 RL3 -2.68

**COMMENT: S7 and S140 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 14, 2011 to June 20, 2011 0 cfs

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

----- Data Summary -----  
June 3, 2011 to June 10, 2011  
 WCA-3A Stage (end of week) 7.25 ft. msl  
 Angel's 1.78 ft. msl  
 G3273 1.80 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.01	1.87
S-140		2.03
ENP		M

	0.01	1.95
This Week's Avg	1.67	1.59
Pre-Project Avg		

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 2.18 feet  
 Distance to Bottom of Regulatory Zone 2.82 feet

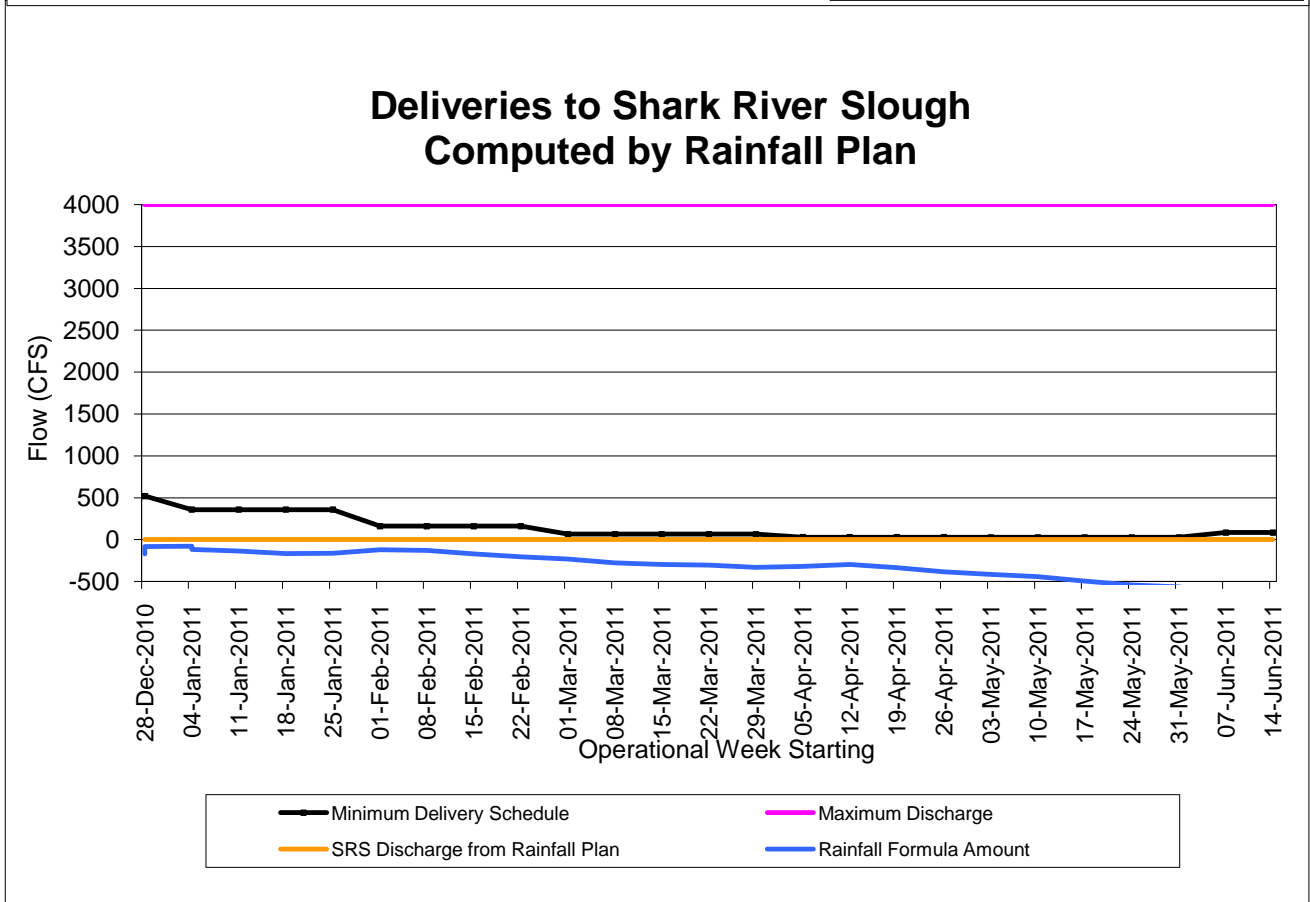
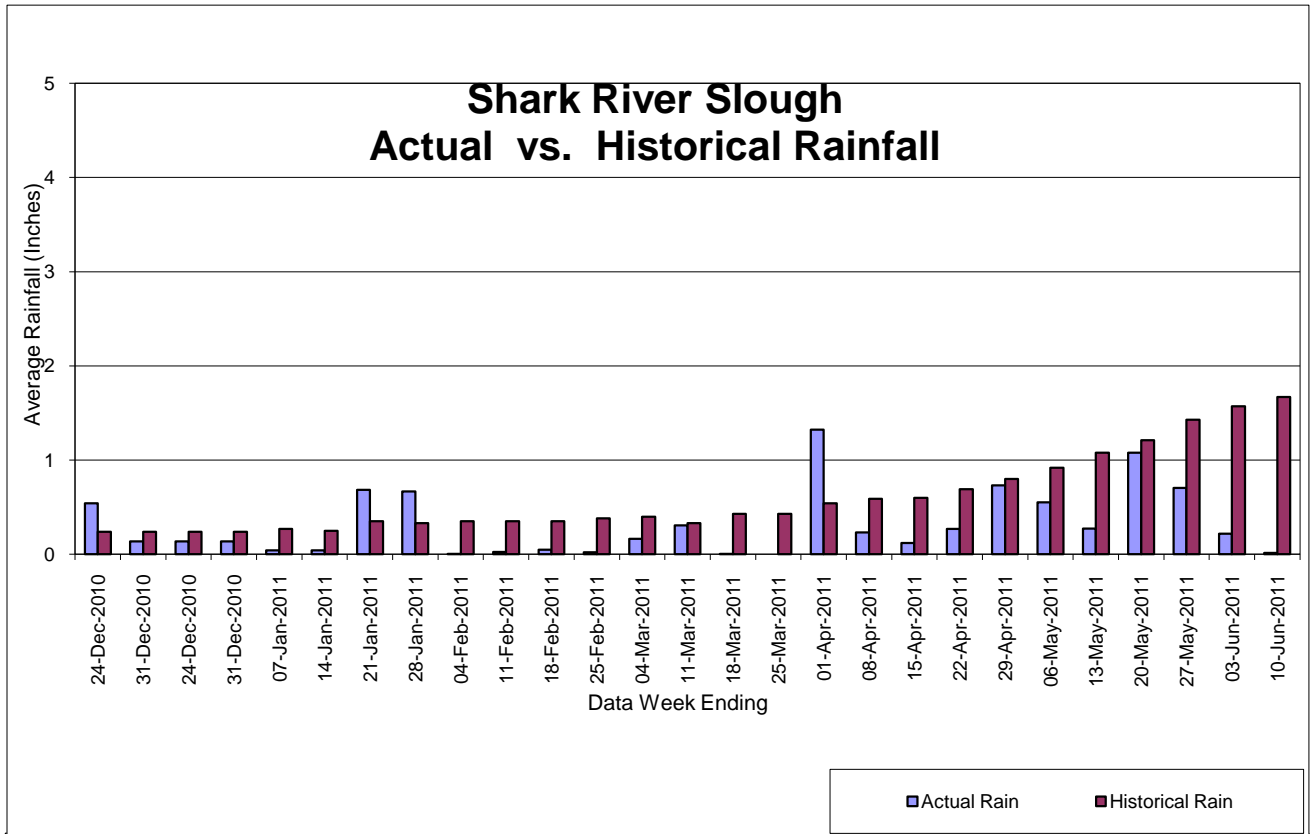
----- Statistical Parameters -----

Rainfall Formula Amount -746 cfs  
 Last Week's Rainfall Formula -634 cfs  
 Pre-Project Mean Discharge 40 cfs

Rainfall Excess Terms  
RL1 -3.57 RL2 -3.30 RL3 -2.57

**COMMENT: S7 and S140 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 7, 2011 to June 13, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) May 27, 2011 to June 3, 2011  
 Angel's 7.54 ft. msl  
 G3273 1.99 ft. msl  
2.04 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.22	1.95
S-140		1.95
ENP		M

This Week's Avg	0.22	1.95
Pre-Project Avg	1.57	1.61

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.94 feet  
 Distance to Bottom of Regulatory Zone 2.48 feet

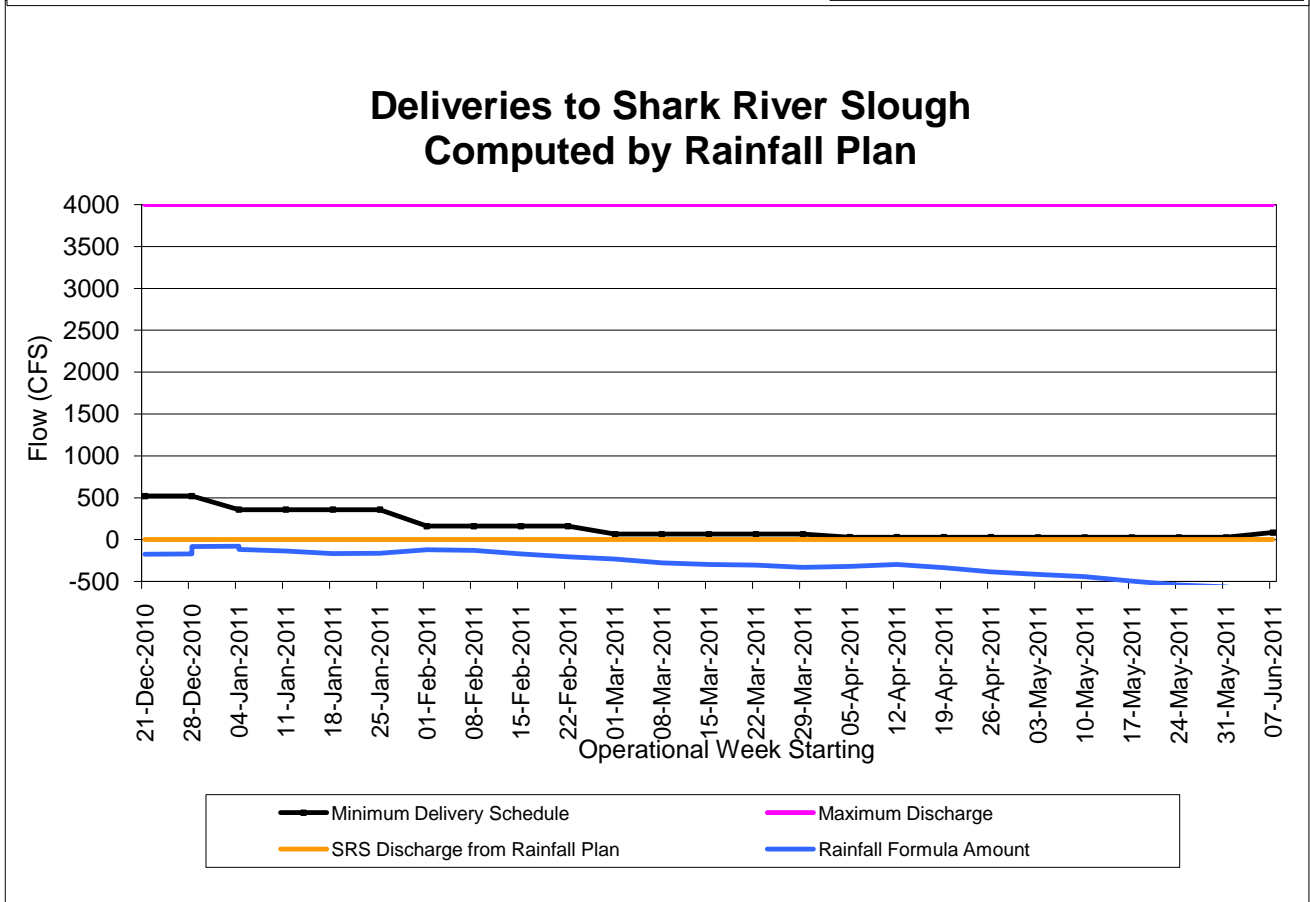
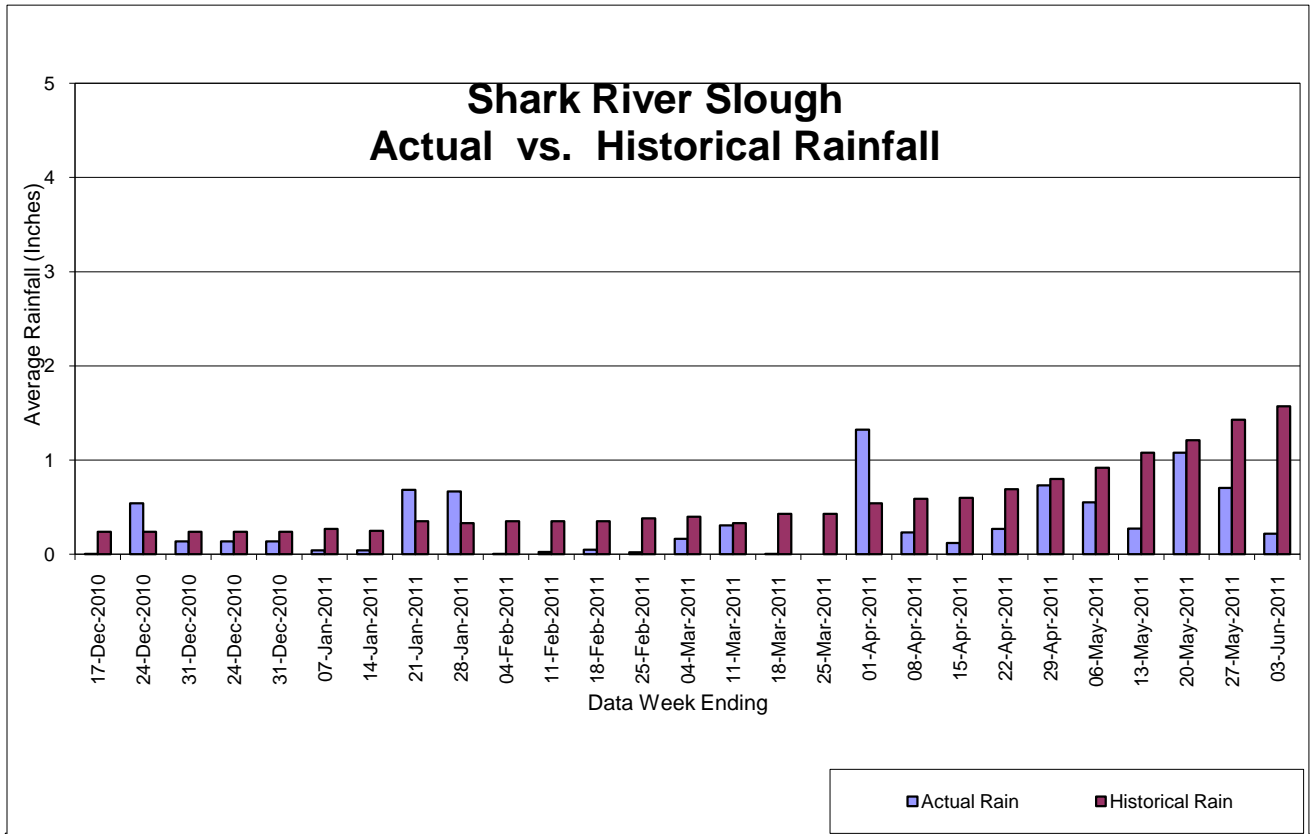
----- Statistical Parameters -----

Rainfall Formula Amount -634 cfs  
 Last Week's Rainfall Formula -563 cfs  
 Pre-Project Mean Discharge 27 cfs

Rainfall Excess Terms  
RL1 -2.58 RL2 -2.86 RL3 -1.79

**COMMENT: S7 and S140 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 31, 2011 to June 6, 2011 0 cfs

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

----- Data Summary -----  
 May 20, 2011 to May 27, 2011  
 WCA-3A Stage (end of week) 7.75 ft. msl  
 Angel's 2.10 ft. msl  
 G3273 2.13 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.70	1.69
S-140		2.10
ENP		M

This Week's Avg	0.70	1.89
Pre-Project Avg	1.43	1.61

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.78 feet  
 Distance to Bottom of Regulatory Zone 2.28 feet

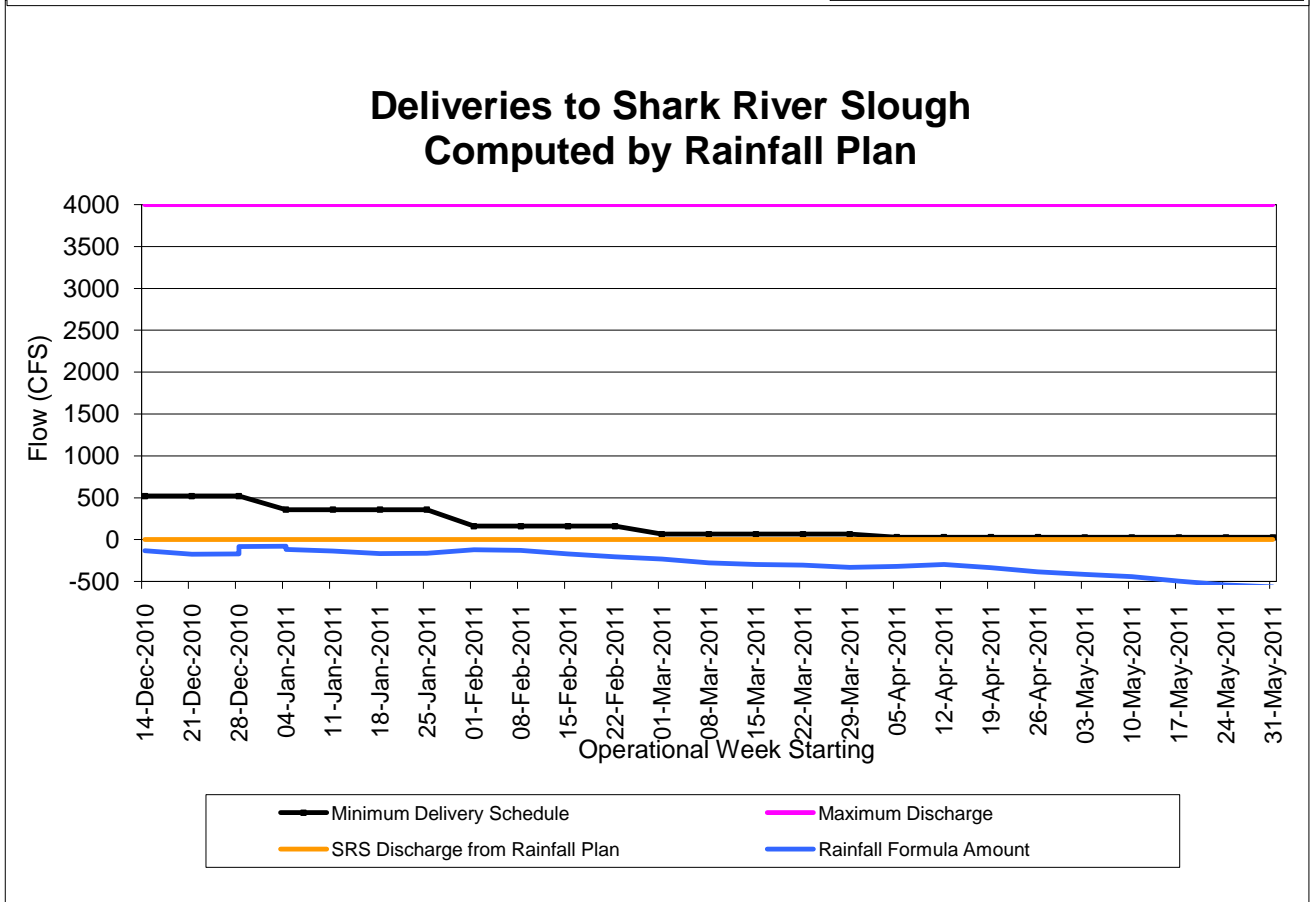
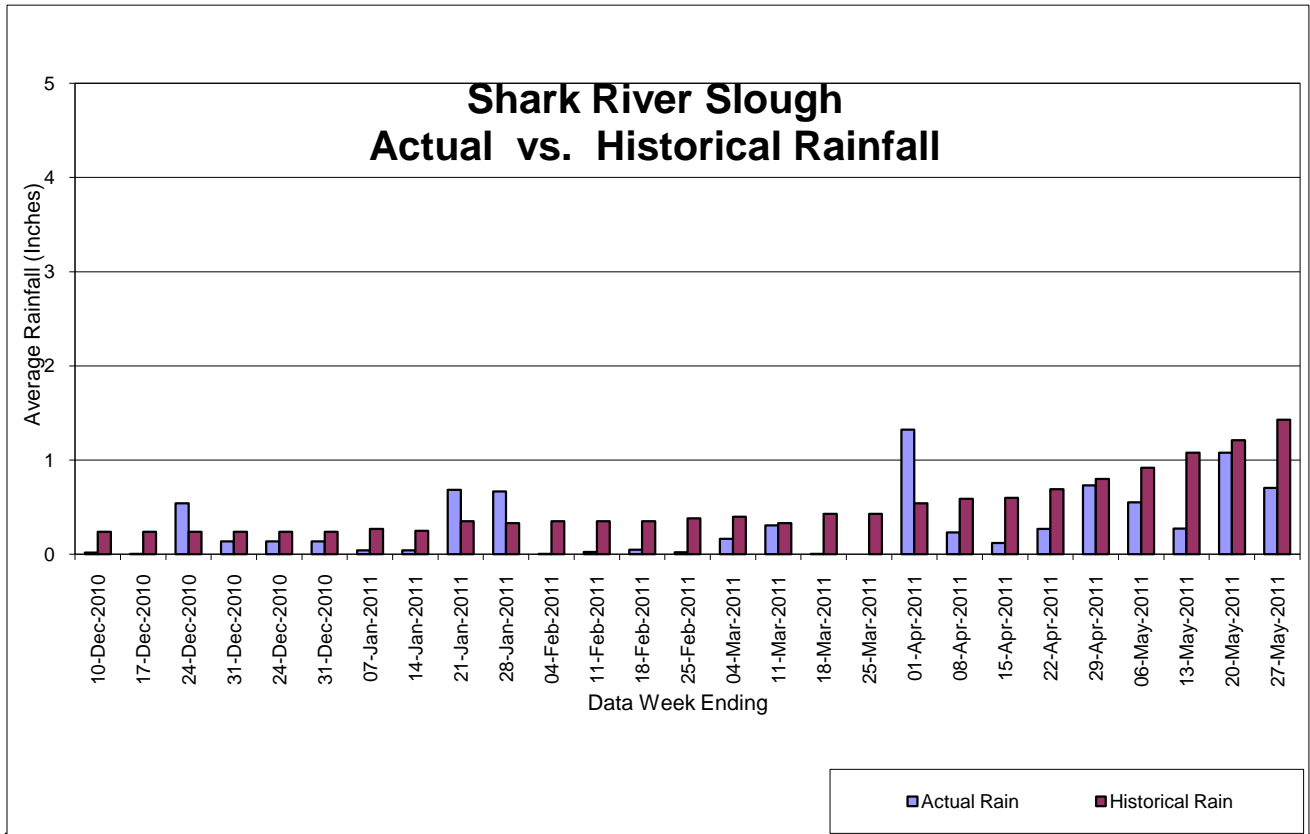
----- Statistical Parameters -----

Rainfall Formula Amount -563 cfs  
 Last Week's Rainfall Formula -540 cfs  
 Pre-Project Mean Discharge 17 cfs

Rainfall Excess Terms  
 RL1 -1.53 RL2 -3.03 RL3 -1.78

**COMMENT: S7 and S140 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 24, 2011 to May 30, 2011 0 cfs

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

----- Data Summary -----  
 May 13, 2011 to May 20, 2011  
 WCA-3A Stage (end of week) 7.90 ft. msl  
 Angel's 2.26 ft. msl  
 G3273 2.29 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.08	2.16
S-140		2.19
ENP		M

This Week's Avg	1.08	2.17
Pre-Project Avg	1.21	1.62

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.67 feet  
 Distance to Bottom of Regulatory Zone 2.17 feet

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

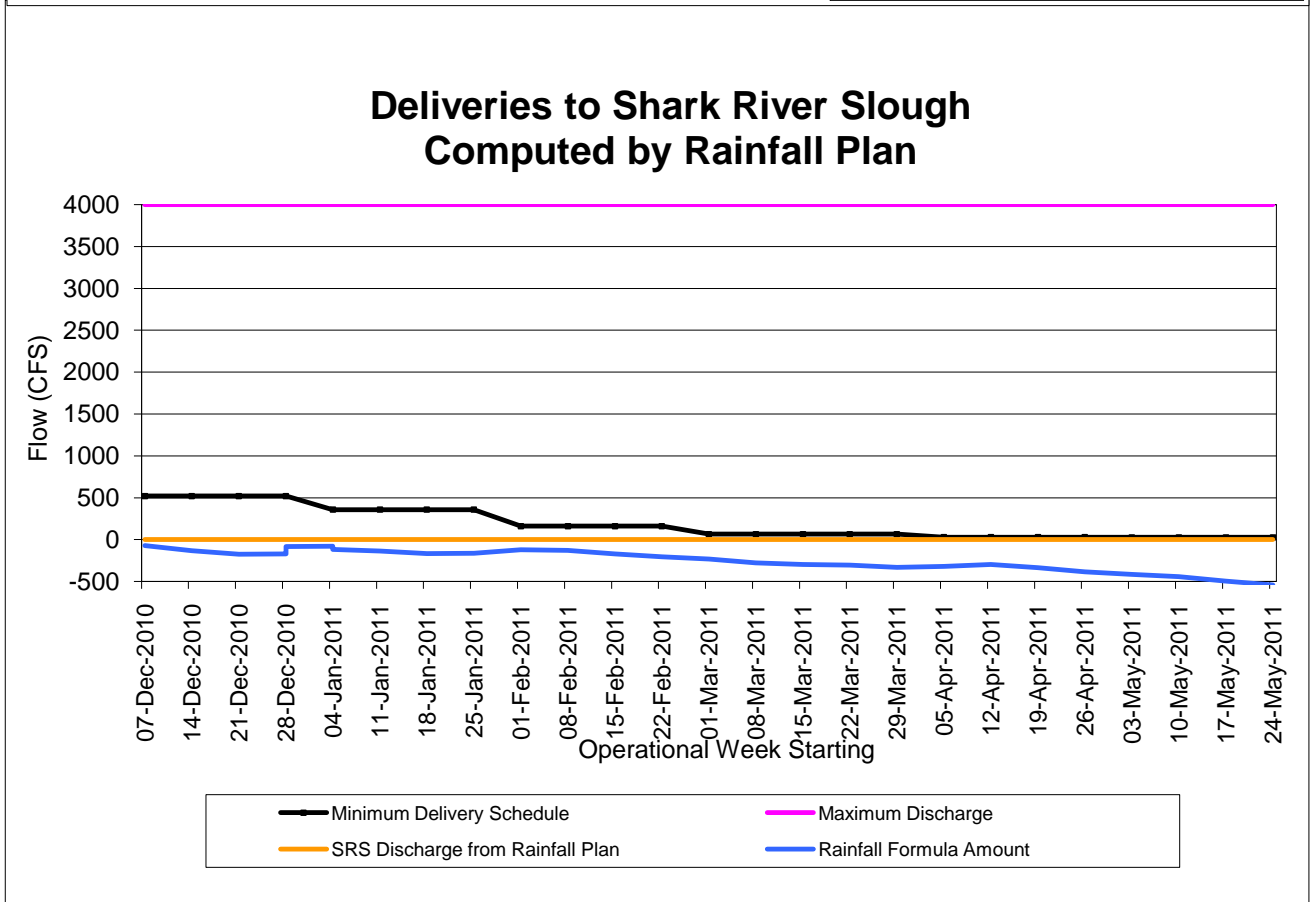
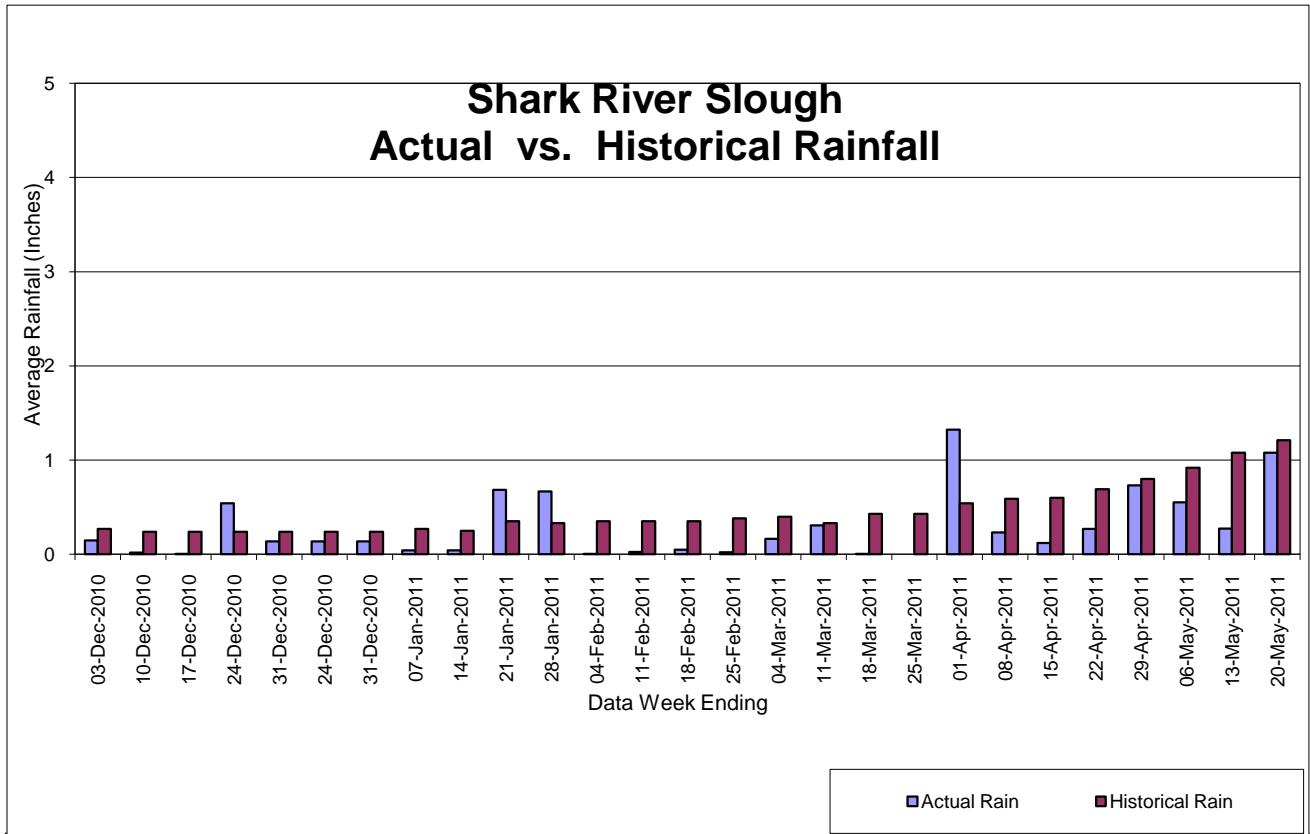
Rainfall Formula Amount -540 cfs  
 Last Week's Rainfall Formula -496 cfs  
 Pre-Project Mean Discharge 12 cfs

Rainfall Excess Terms

RL1 -1.72	RL2 -2.68	RL3 -1.41
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**COMMENT: S7 and S140 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 17, 2011 to May 23, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) May 6, 2011 to May 13, 2011  
 Angel's 7.87 ft. msl  
 G3273 2.30 ft. msl  
2.32 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.27	1.85

S-140		2.23
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ENP		M
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This Week's Avg	0.27	2.04
Pre-Project Avg	1.08	1.61

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

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

Supplemental discharge is	0 cfs
Distance to Bottom of Transition Zone	1.75 feet
Distance to Bottom of Regulatory Zone	2.25 feet

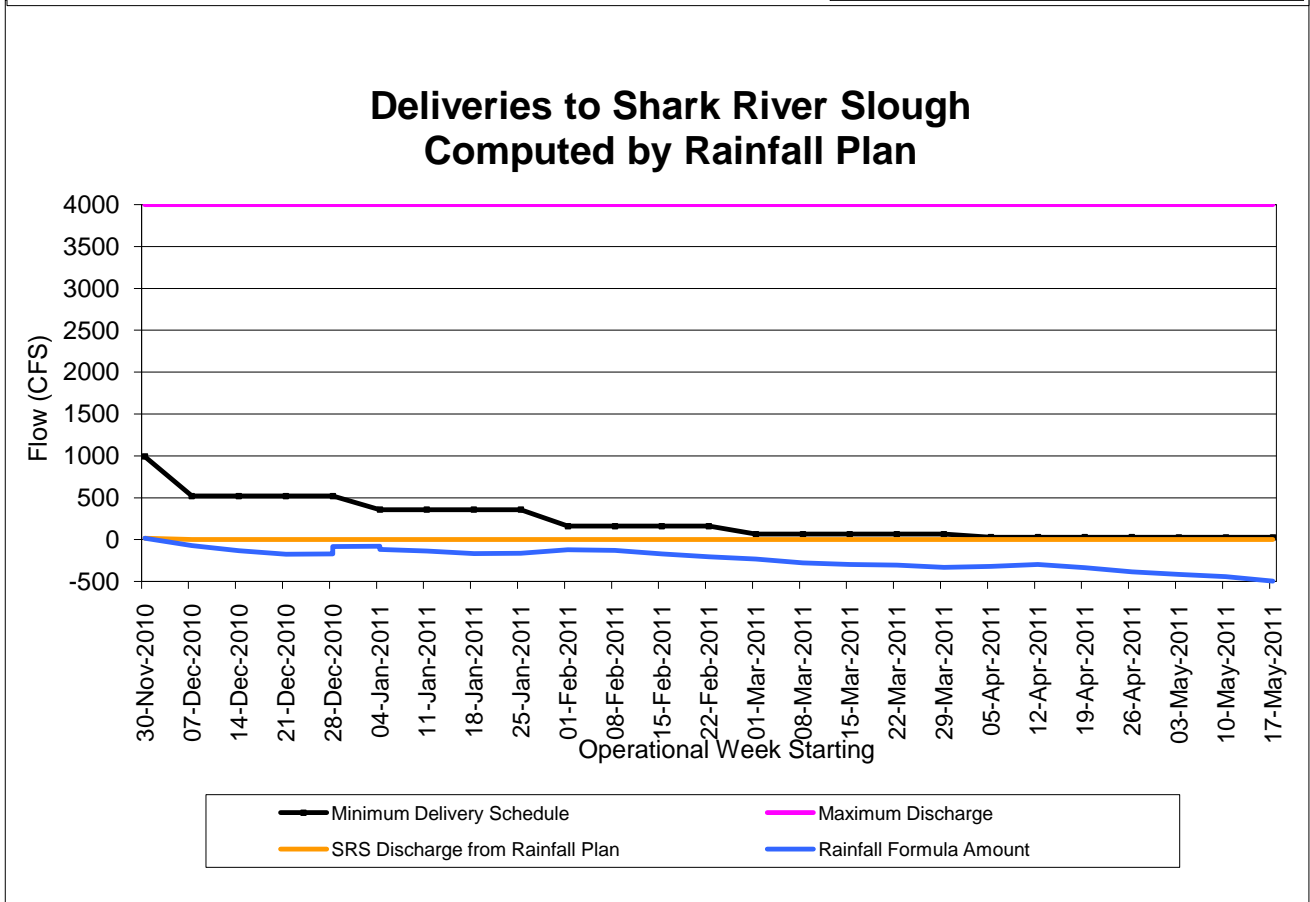
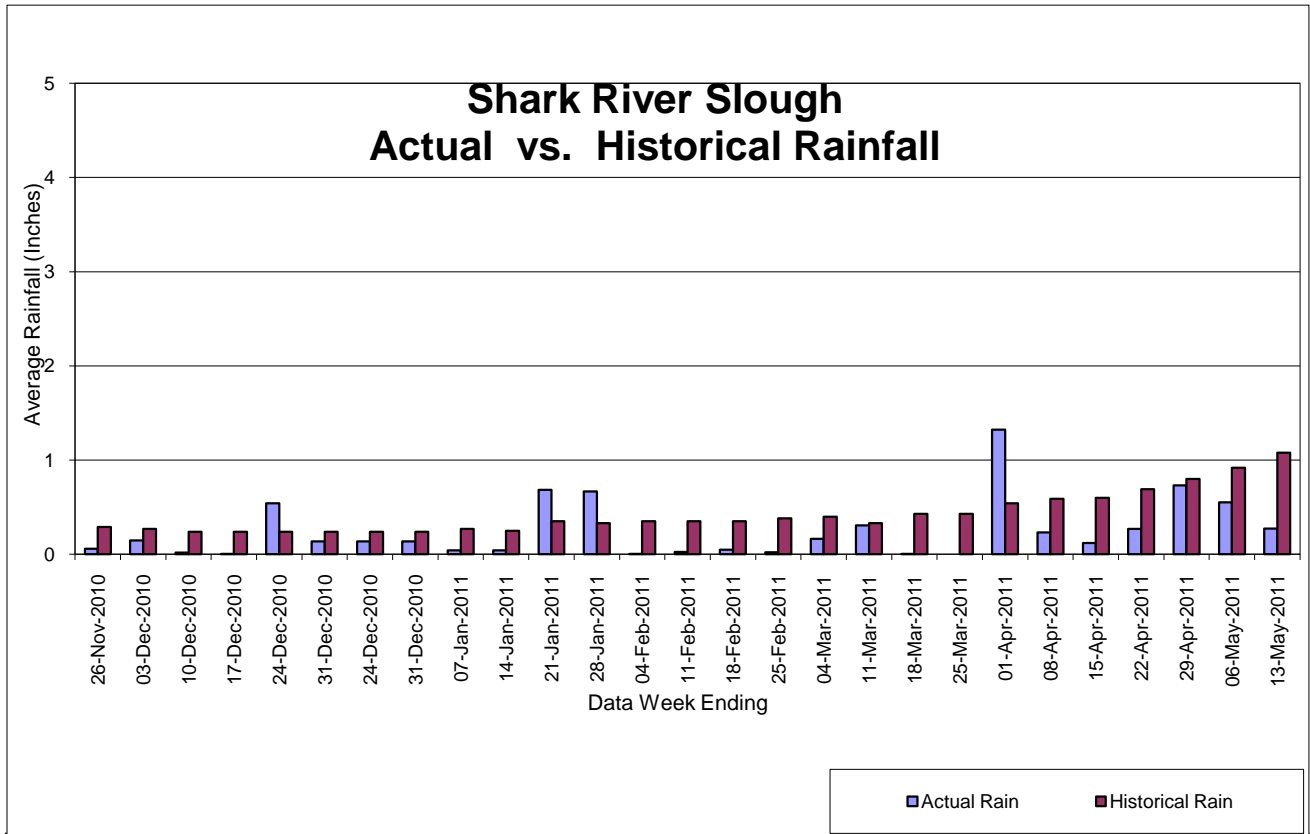
### ----- Statistical Parameters -----

Rainfall Formula Amount	-496 cfs
Last Week's Rainfall Formula	-443 cfs
Pre-Project Mean Discharge	13 cfs

Rainfall Excess Terms	RL1 -1.77	RL2 -2.57	RL3 -0.97
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**COMMENT: S7 and S140 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 10, 2011 to May 16, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) April 29, 2011 to May 6, 2011  
 Angel's 7.99 ft. msl  
 G3273 2.43 ft. msl  
2.42 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.55	1.82
S-140		2.02
ENP		M

This Week's Avg	0.55	1.92
Pre-Project Avg	0.92	1.60

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.68 feet  
 Distance to Bottom of Regulatory Zone 2.18 feet

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

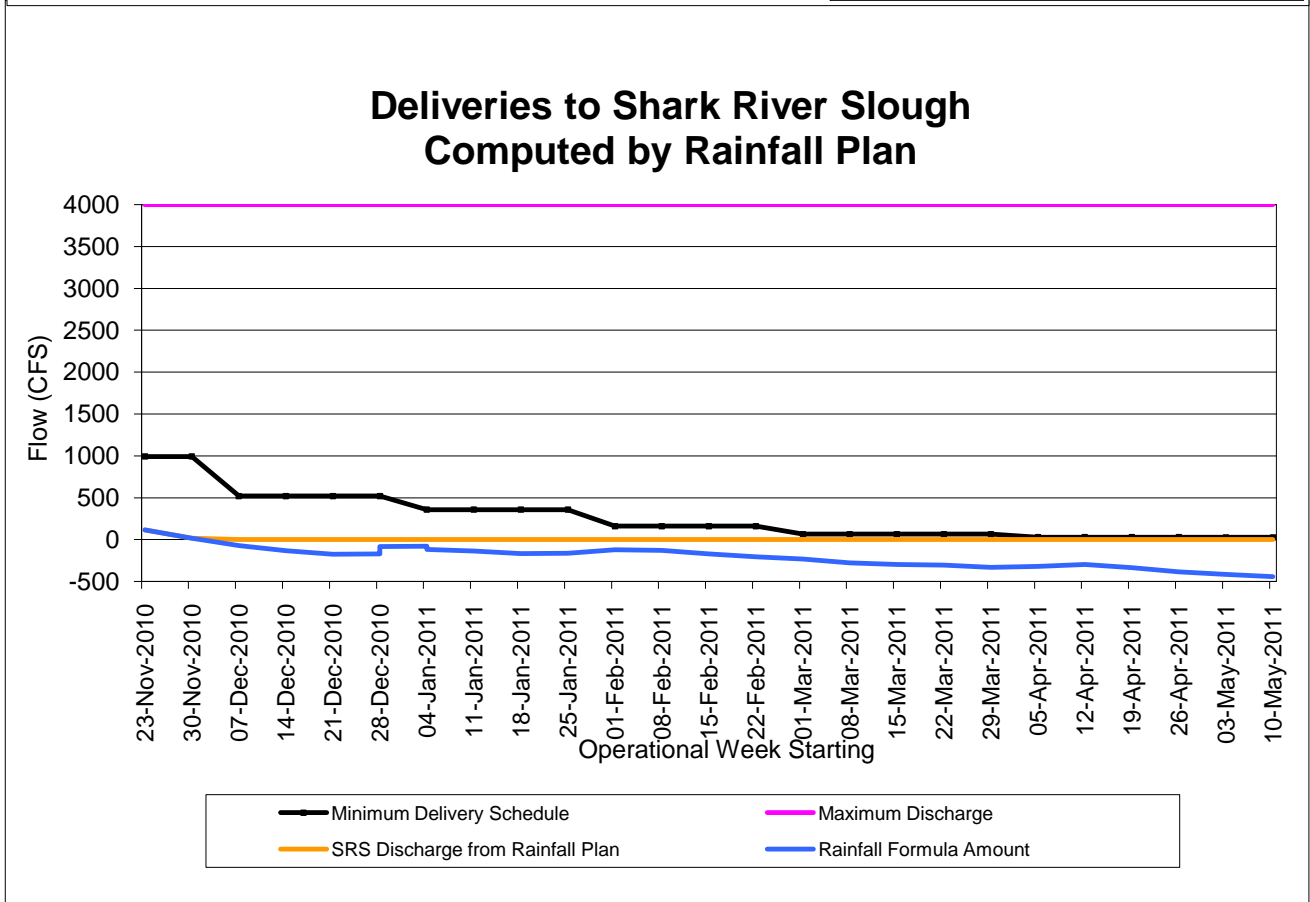
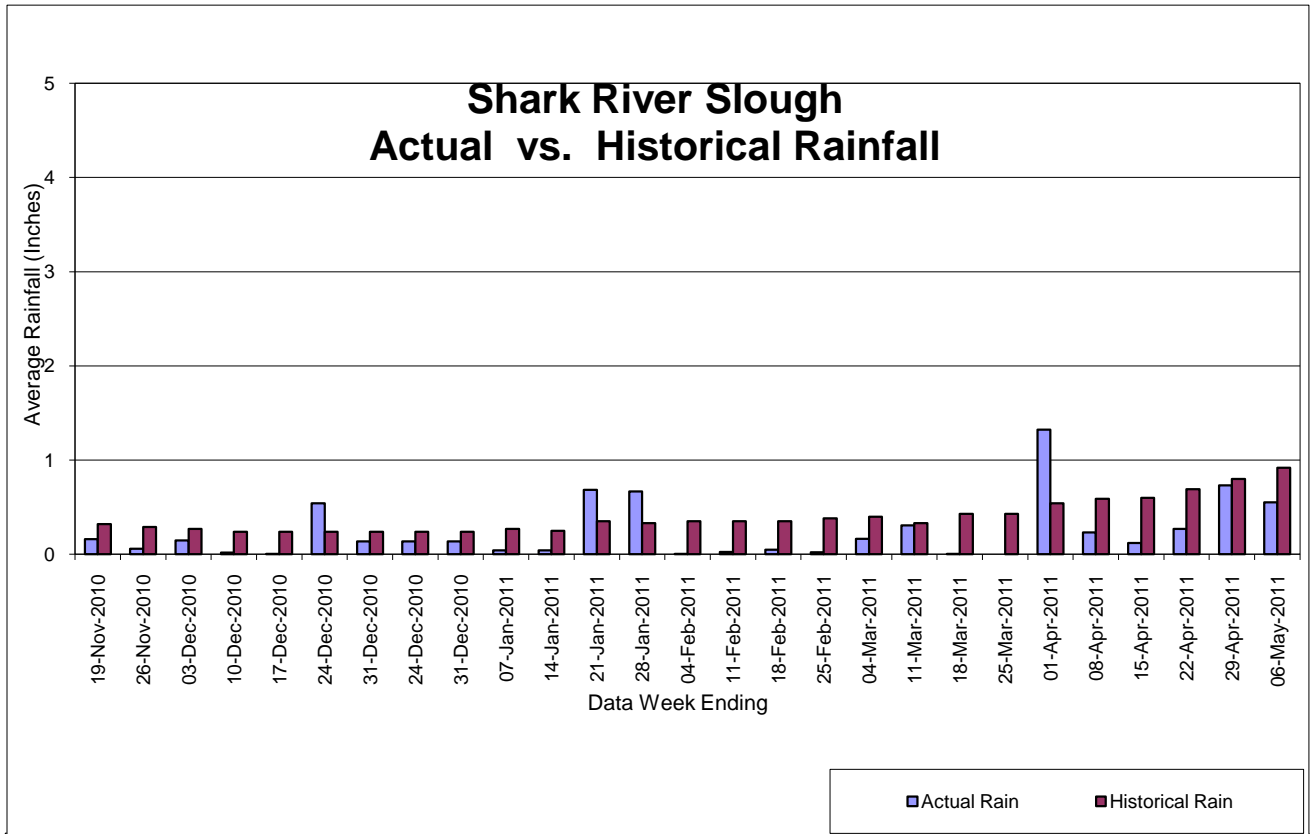
Rainfall Formula Amount -443 cfs  
 Last Week's Rainfall Formula -417 cfs  
 Pre-Project Mean Discharge 16 cfs

Rainfall Excess Terms

RL1 -1.14	RL2 -1.79	RL3 -1.81
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**COMMENT: S7 and S140 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 3, 2011 to May 9, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) April 22, 2011 to April 29, 2011  
 Angel's 8.16 ft. msl  
 G3273 2.65 ft. msl  
2.70 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.73	1.91
S-140		2.36
ENP		M

This Week's Avg	0.73	2.14
Pre-Project Avg	0.80	1.58

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.55 feet  
 Distance to Bottom of Regulatory Zone 2.05 feet

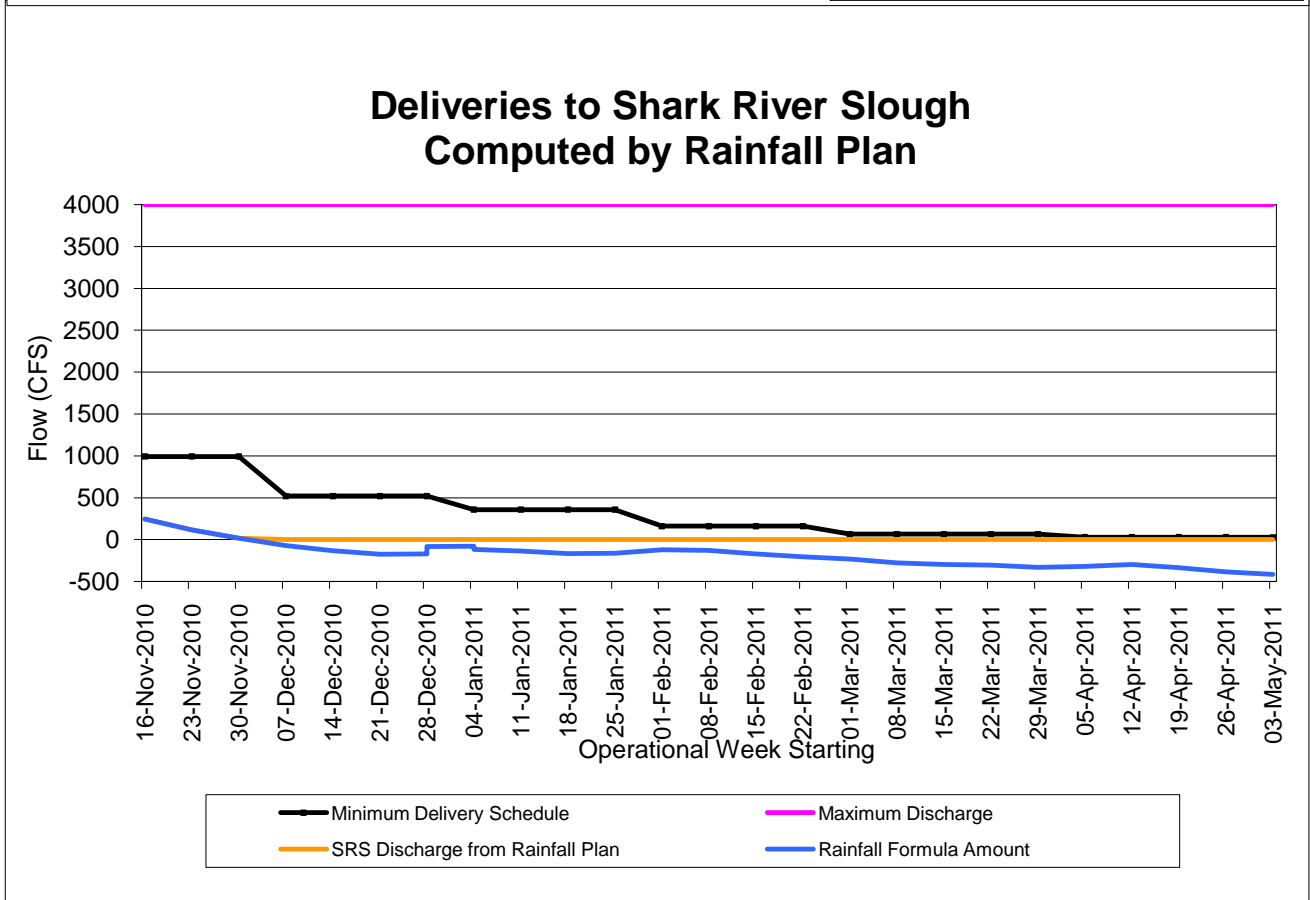
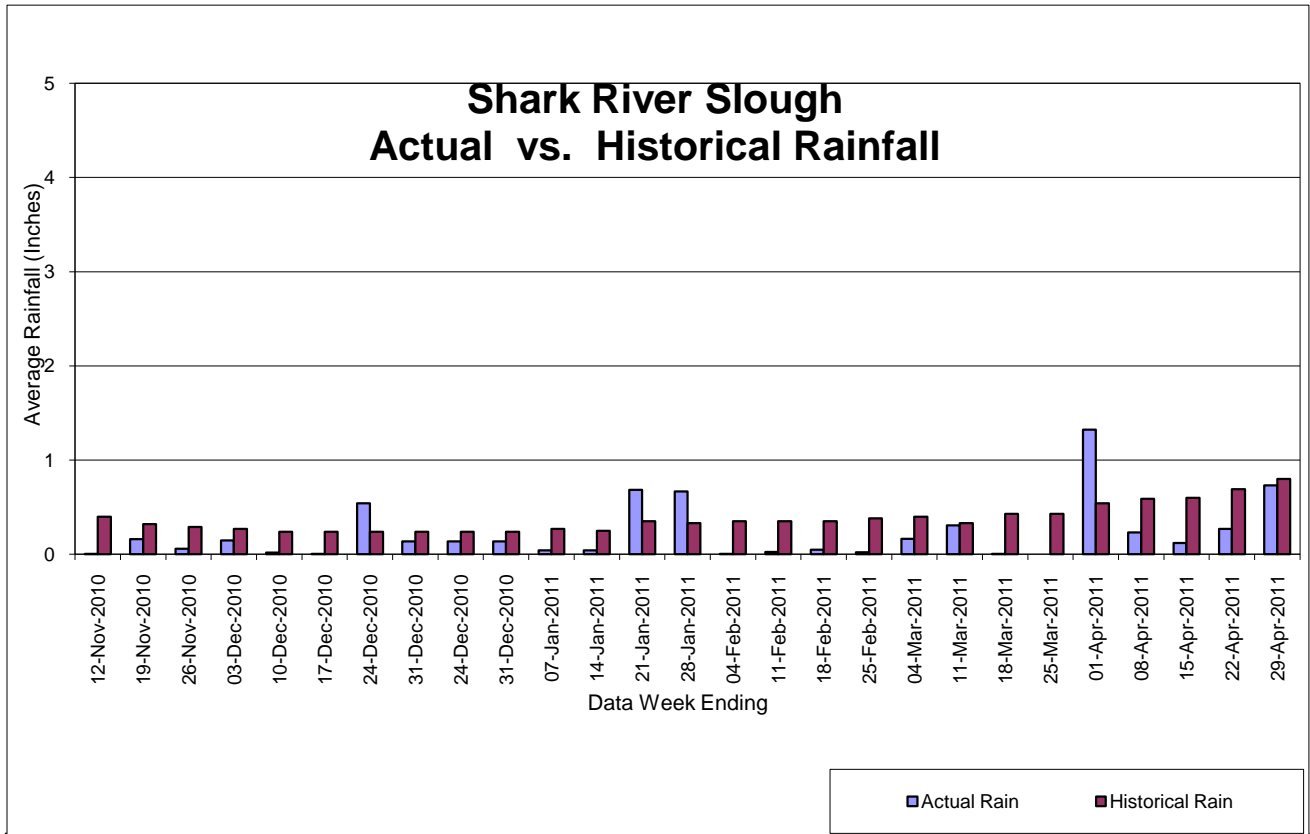
----- Statistical Parameters -----

Rainfall Formula Amount -417 cfs  
 Last Week's Rainfall Formula -384 cfs  
 Pre-Project Mean Discharge 24 cfs

Rainfall Excess Terms  
RL1 -1.26 RL2 -1.78 RL3 -1.55

**COMMENT: S7 and S140 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 26, 2011 to May 2, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) April 15, 2011 to April 22, 2011  
 Angel's 8.27 ft. msl  
 G3273 3.07 ft. msl  
3.13 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.27	1.75
S-140		2.14
ENP		M
-----		
This Week's Avg	0.27	1.94
Pre-Project Avg	0.69	1.54

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.49 feet  
 Distance to Bottom of Regulatory Zone 1.99 feet

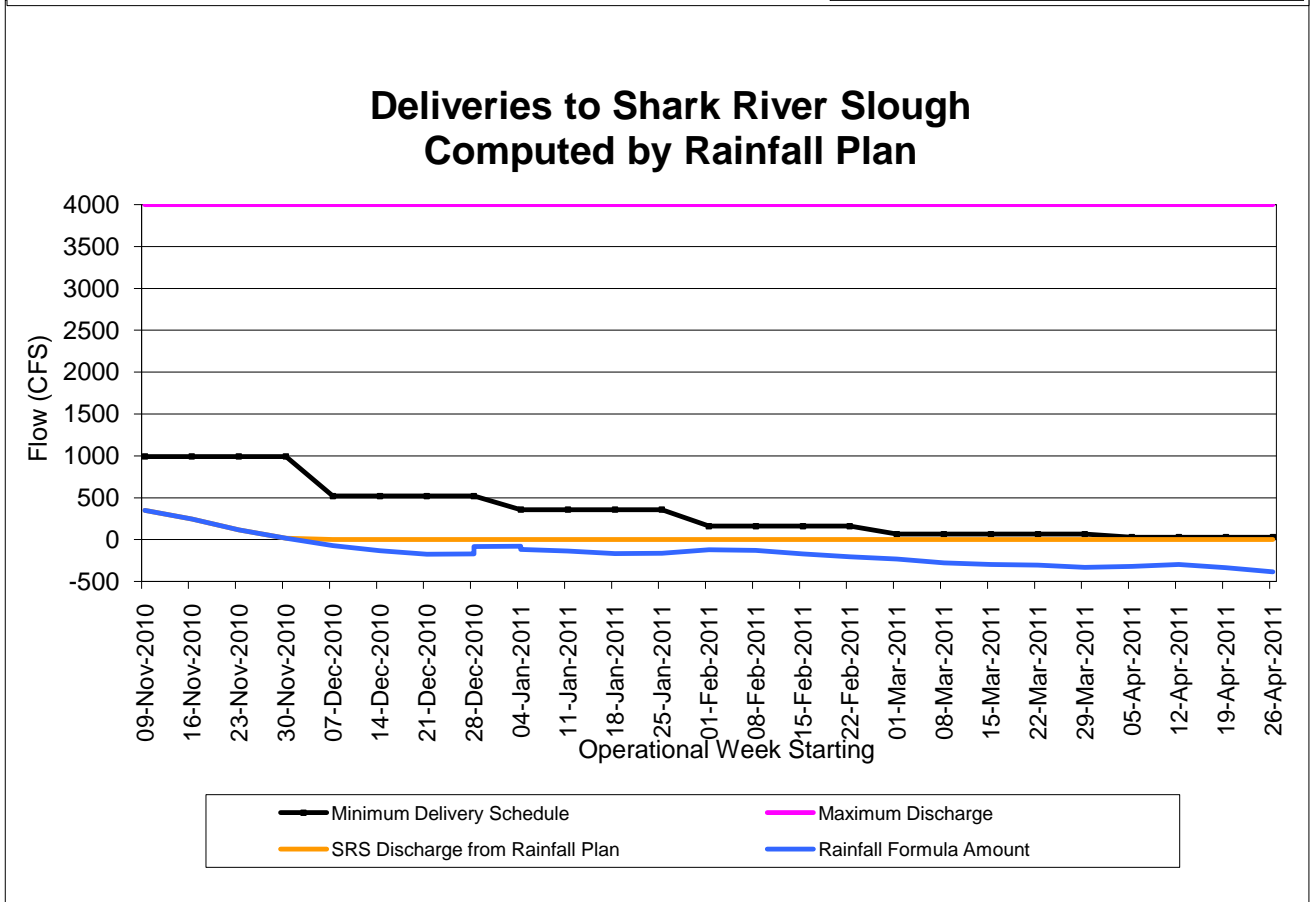
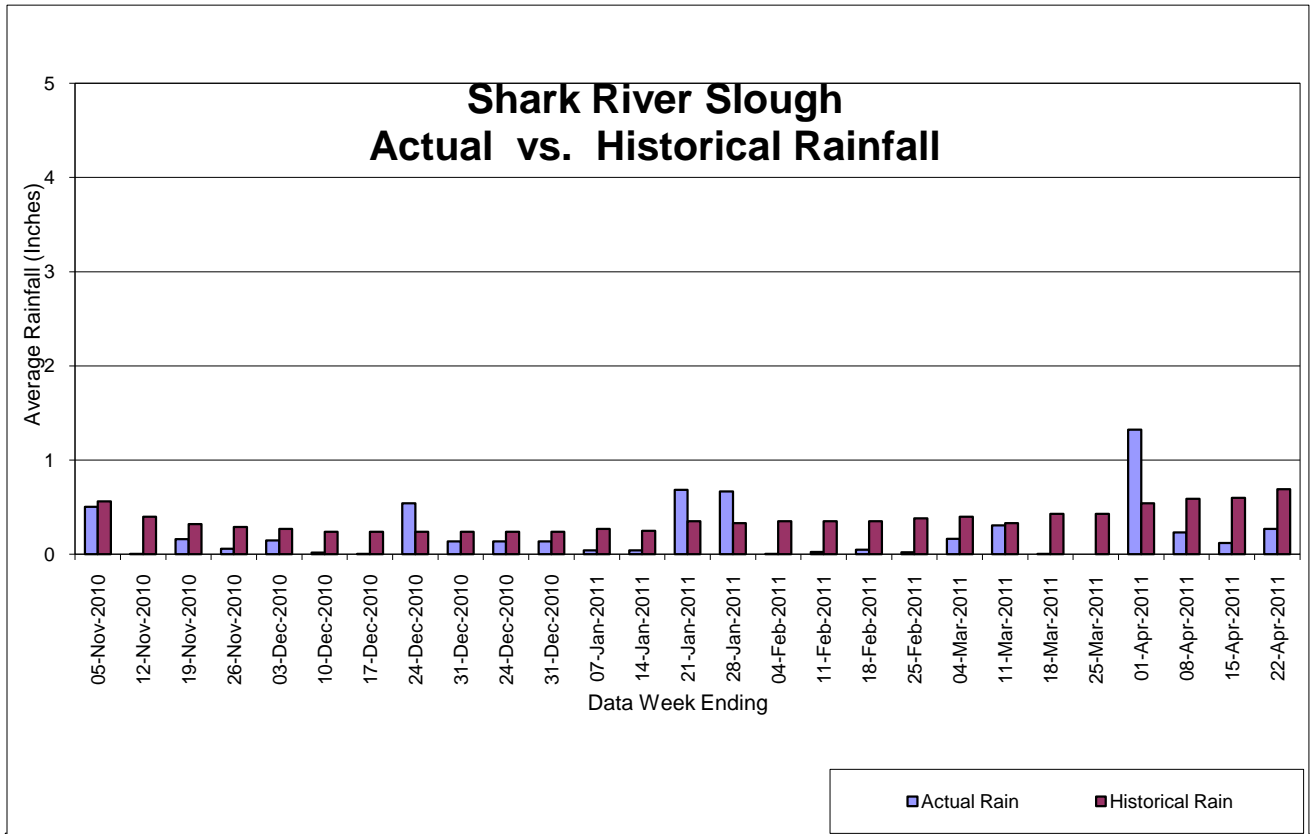
----- Statistical Parameters -----

Rainfall Formula Amount -384 cfs  
 Last Week's Rainfall Formula -336 cfs  
 Pre-Project Mean Discharge 29 cfs

Rainfall Excess Terms  
RL1 -1.54 RL2 -1.41 RL3 -1.33

**COMMENT: S7 and S140 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 19, 2011 to April 25, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) April 8, 2011 to April 15, 2011  
 Angel's 8.46 ft. msl  
 G3273 3.13 ft. msl  
3.21 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.12	1.60

S-140		2.22
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ENP		M
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This Week's Avg	0.12	1.91
Pre-Project Avg	0.60	1.51

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

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

Supplemental discharge is	0 cfs
Distance to Bottom of Transition Zone	1.34 feet
Distance to Bottom of Regulatory Zone	1.84 feet

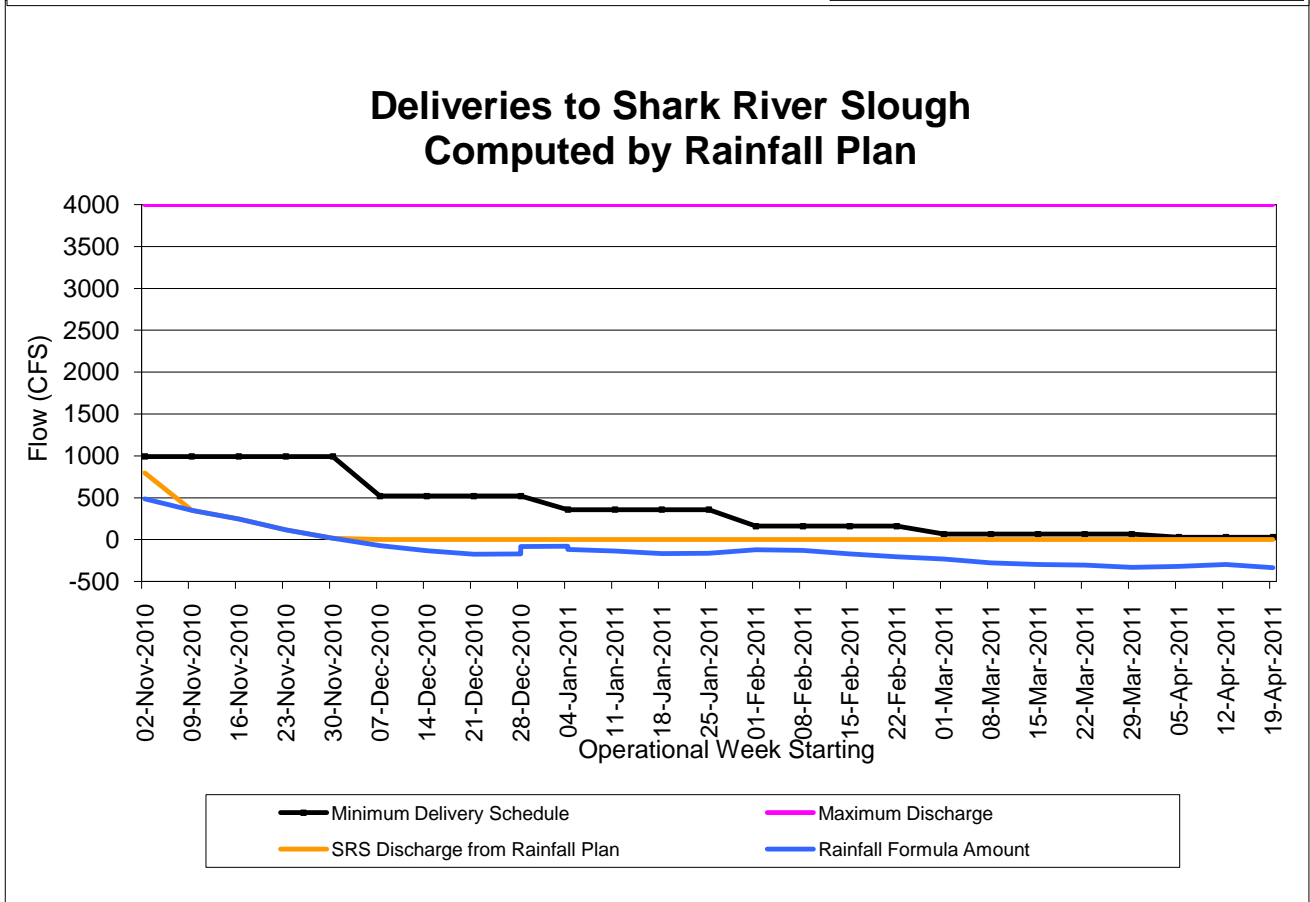
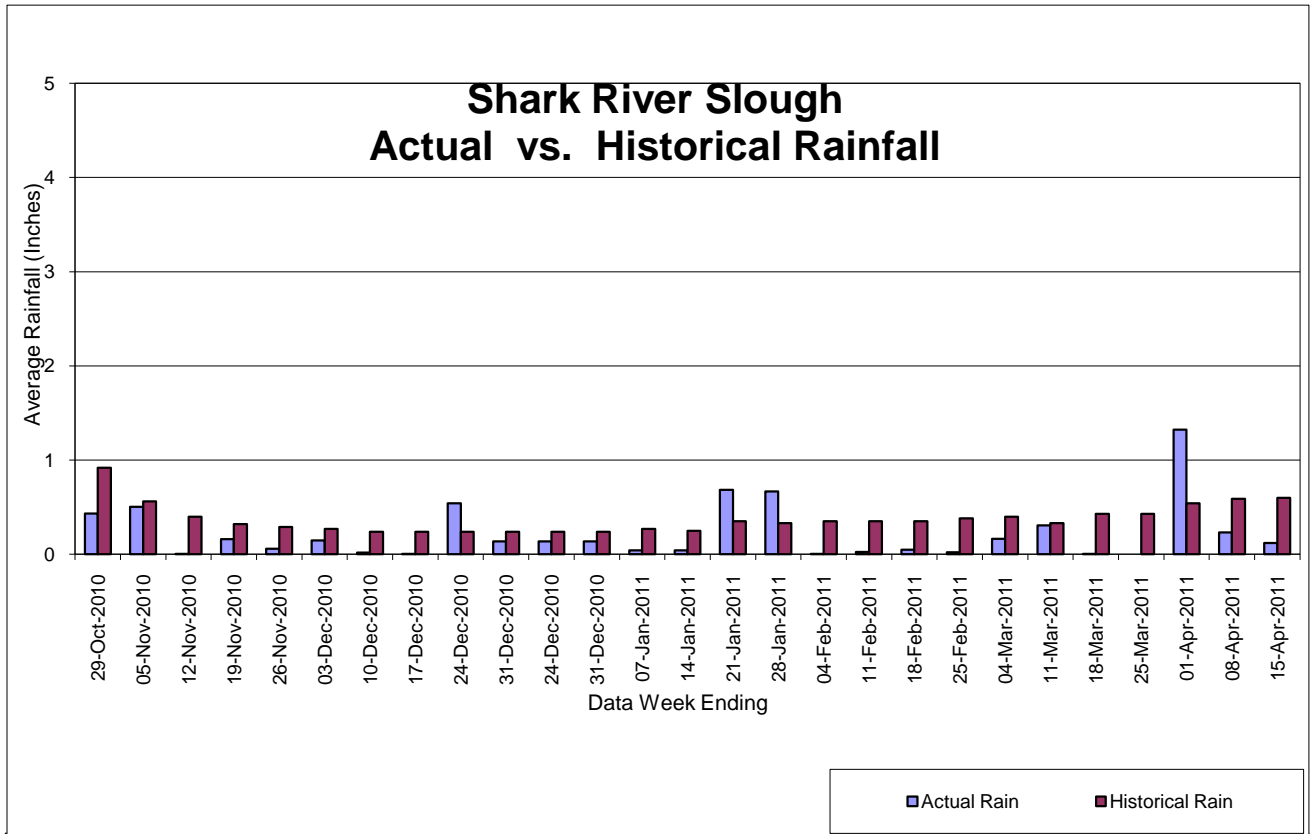
### ----- Statistical Parameters -----

Rainfall Formula Amount	-336 cfs
Last Week's Rainfall Formula	-297 cfs
Pre-Project Mean Discharge	31 cfs

Rainfall Excess Terms	RL1 -1.31	RL2 -0.97	RL3 -1.78
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**COMMENT: S7 and S140 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 12, 2011 to April 18, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) April 1, 2011 to April 8, 2011  
 Angel's 8.65 ft. msl  
 G3273 3.50 ft. msl  
3.61 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.23	1.73
S-140		1.61
ENP		M

This Week's Avg	0.23	1.67
Pre-Project Avg	0.59	1.47

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.20 feet  
 Distance to Bottom of Regulatory Zone 1.70 feet

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

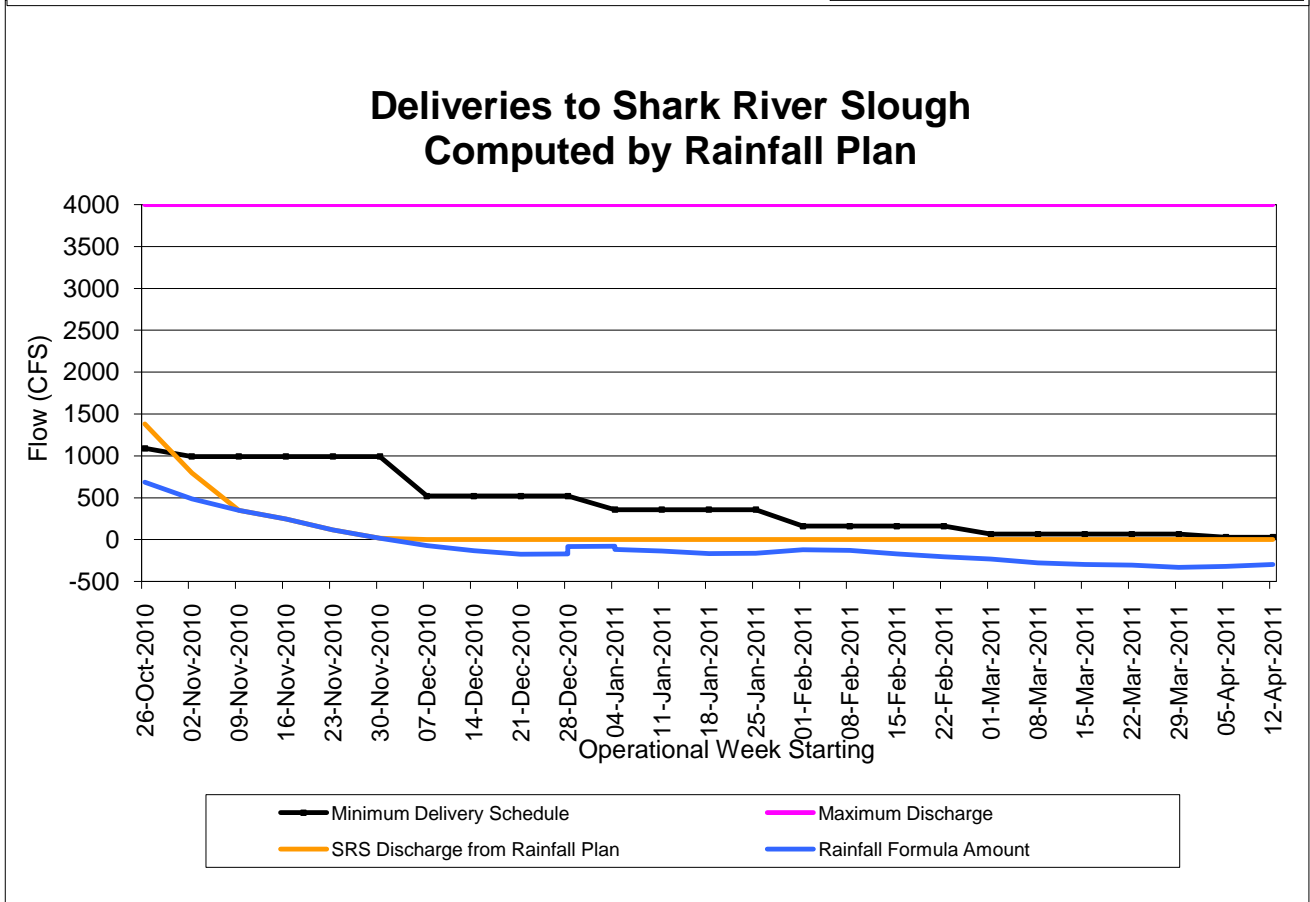
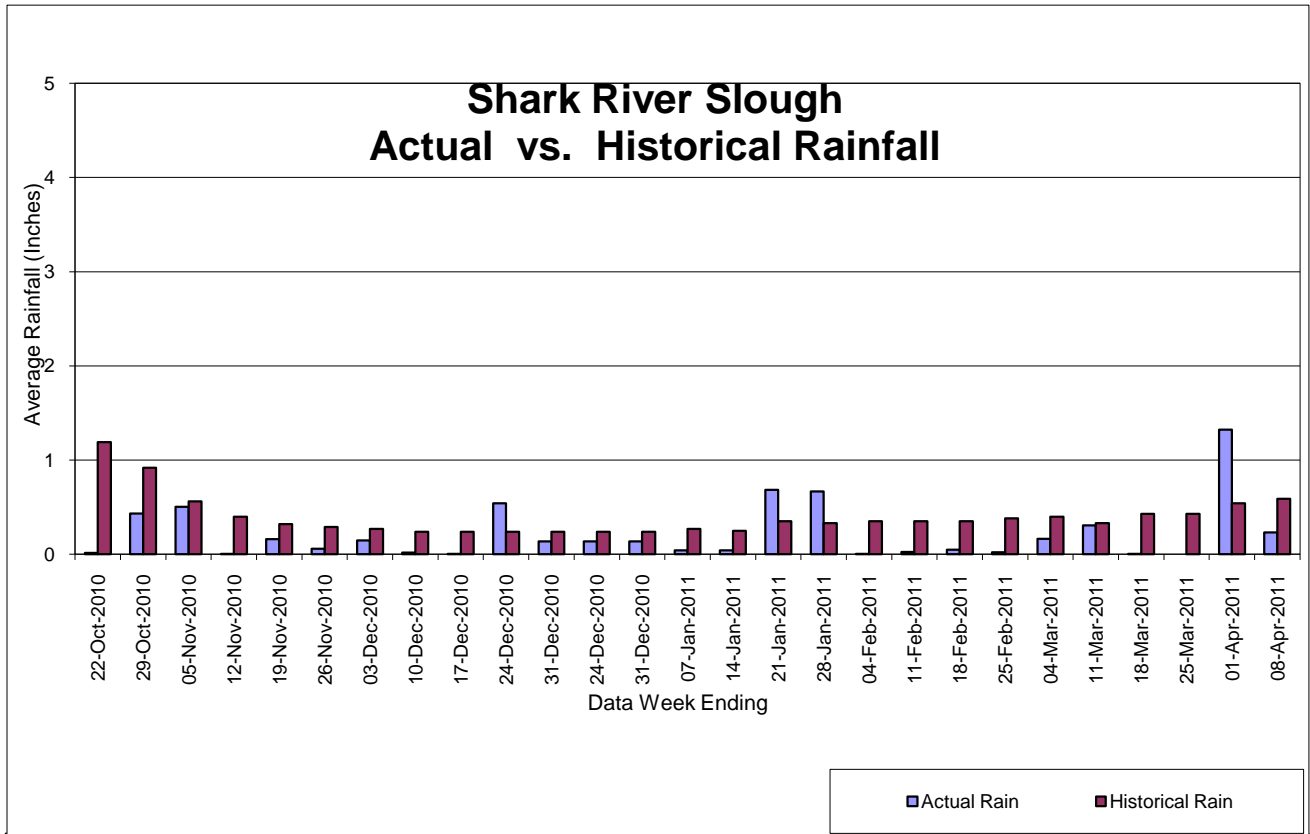
Rainfall Formula Amount -297 cfs  
 Last Week's Rainfall Formula -318 cfs  
 Pre-Project Mean Discharge 32 cfs

Rainfall Excess Terms

RL1 -0.25	RL2 -1.81	RL3 -1.62
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**COMMENT: S7 and S140 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 5, 2011 to April 11, 2011 0 cfs

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

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

March 25, 2011 to April 1, 2011

WCA-3A Stage (end of week)	8.79	ft. msl
Angel's	3.60	ft. msl
G3273	3.82	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	1.32	2.00
S-140		2.11
ENP		M

This Week's Avg	1.32	2.05
Pre-Project Avg	0.54	1.41

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

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

Supplemental discharge is	0 cfs
Distance to Bottom of Transition Zone	1.11 feet
Distance to Bottom of Regulatory Zone	1.61 feet

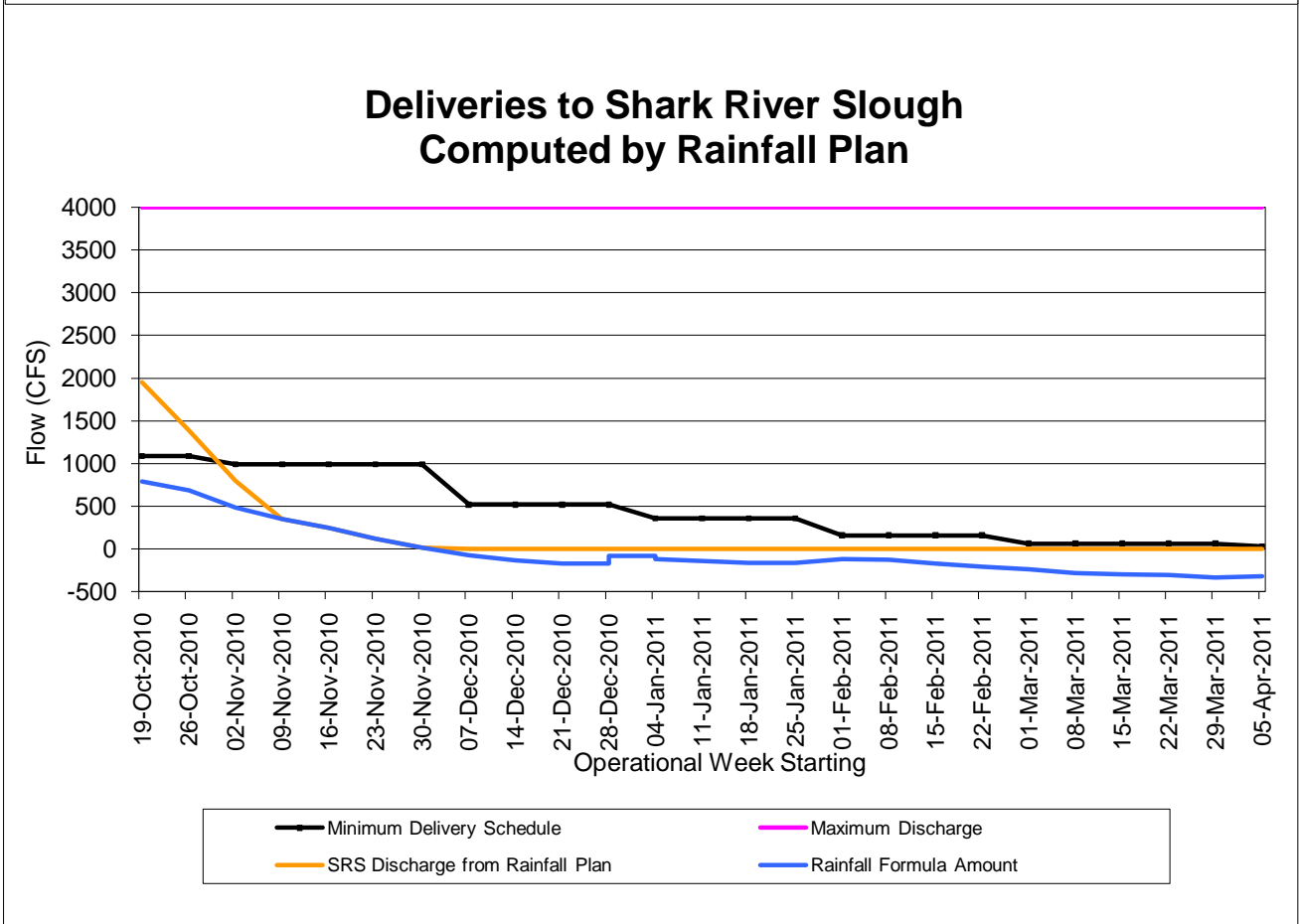
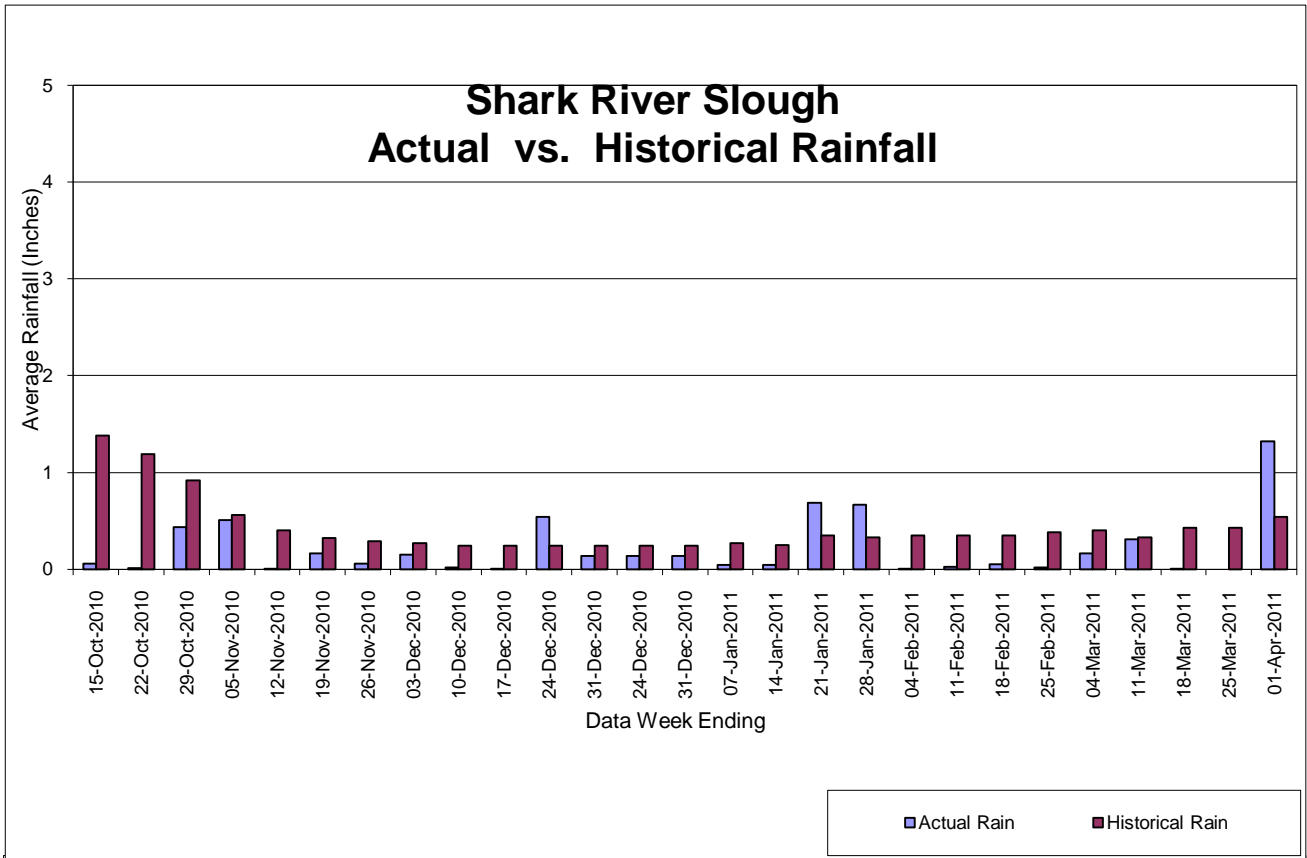
----- Statistical Parameters -----

Rainfall Formula Amount	-318 cfs
Last Week's Rainfall Formula	-332 cfs
Pre-Project Mean Discharge	31 cfs

Rainfall Excess Terms	RL1 -0.46	RL2 -1.55	RL3 -0.91
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**COMMENT: S7 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 29, 2011 to April 4, 2011 0 cfs

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

----- Data Summary -----  
 WCA-3A Stage (end of week) March 18, 2011 to March 25, 2011  
 Angel's 8.66 ft. msl  
 G3273 3.36 ft. msl  
3.55 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	1.70
S-140		1.78
ENP		M

This Week's Avg	0.00	1.74
Pre-Project Avg	0.43	1.36

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.28 feet  
 Distance to Bottom of Regulatory Zone 1.78 feet

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

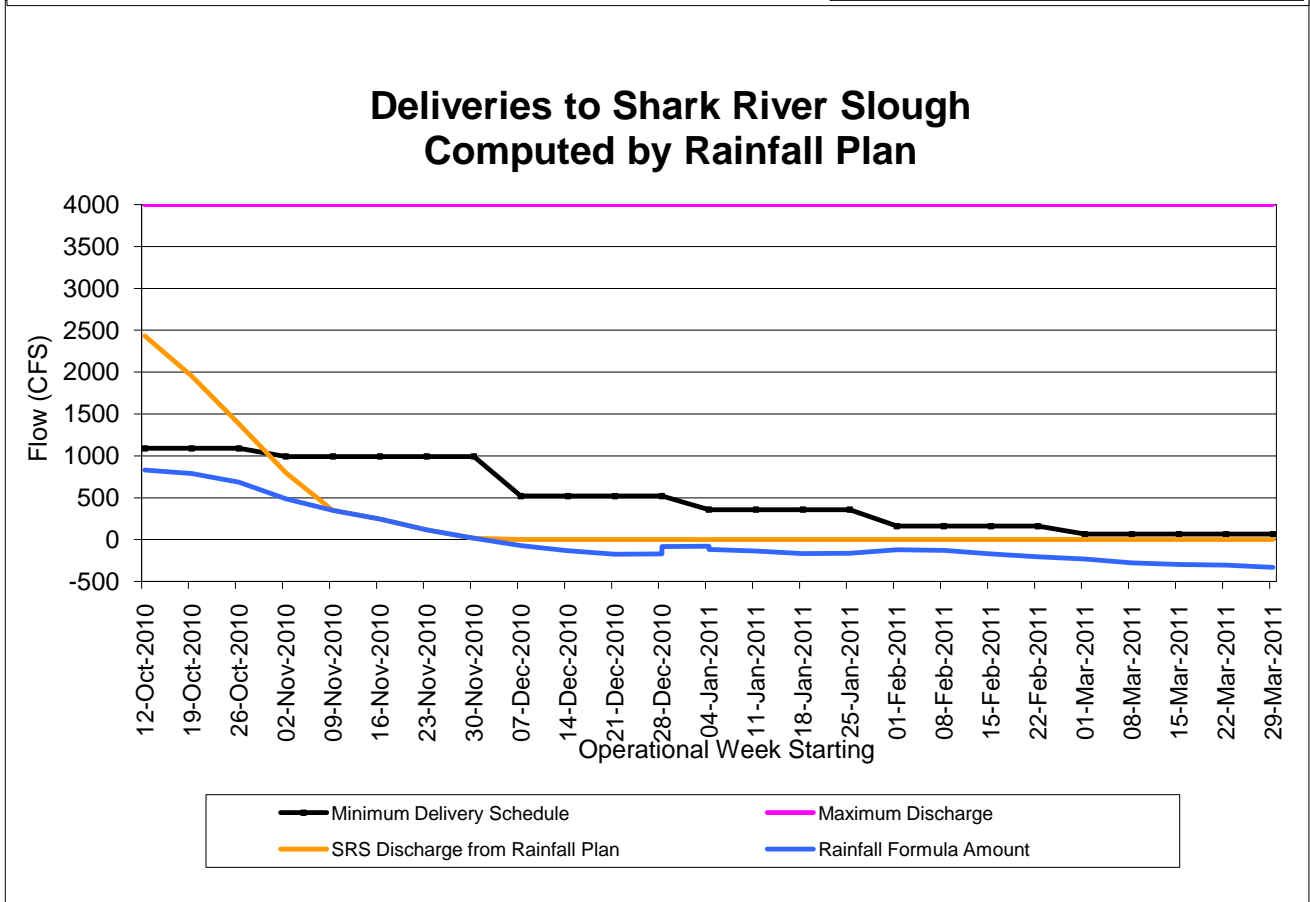
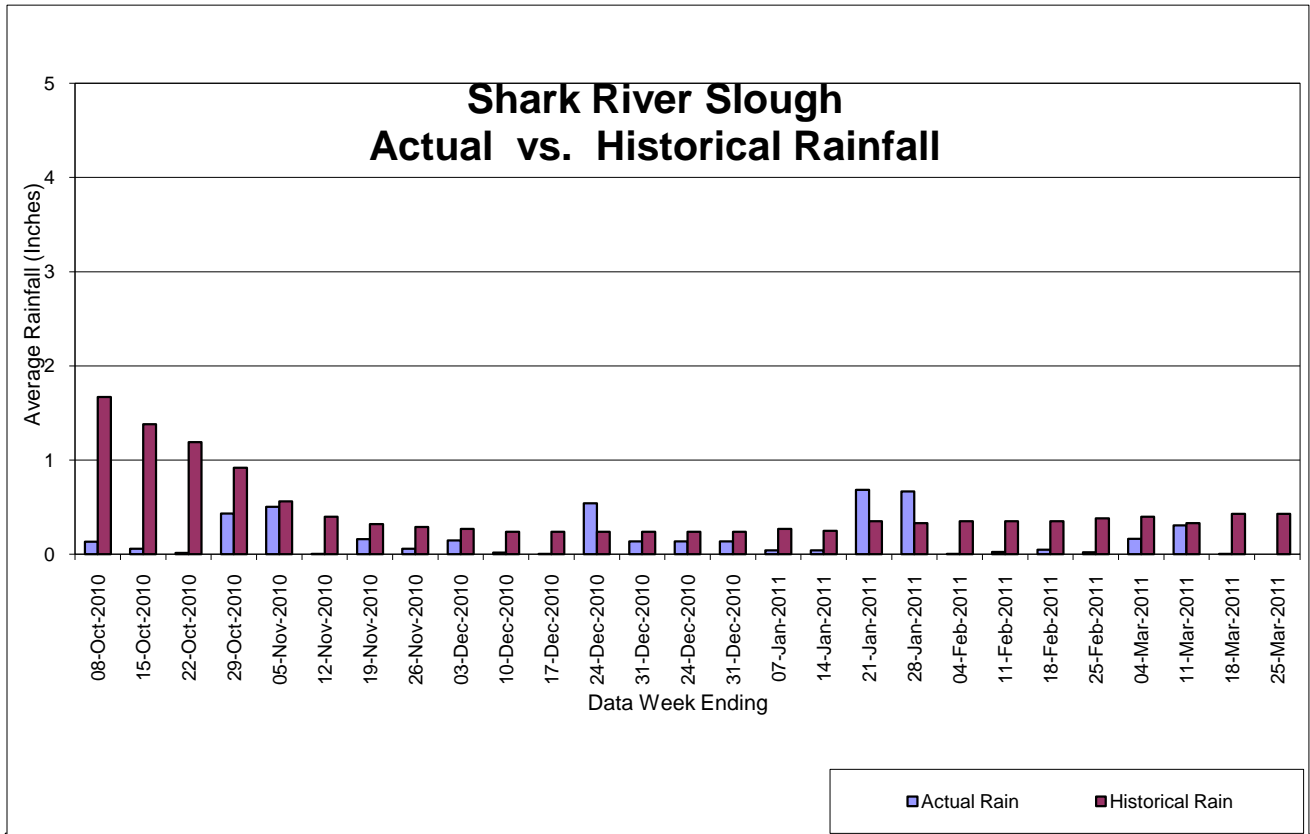
Rainfall Formula Amount -332 cfs  
 Last Week's Rainfall Formula -303 cfs  
 Pre-Project Mean Discharge 26 cfs

Rainfall Excess Terms

RL1 -1.16	RL2 -1.33	RL3 -0.34
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**COMMENT: S7 and S140 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 22, 2011 to March 28, 2011 0 cfs

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

----- Data Summary -----  
 March 11, 2011 to March 18, 2011  
 WCA-3A Stage (end of week) 8.80 ft. msl  
 Angel's 3.60 ft. msl  
 G3273 3.85 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain for WCA-3A and S7 evaporation	0.00	1.08
S-140		1.50
ENP		M

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

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.19 feet  
 Distance to Bottom of Regulatory Zone 1.69 feet

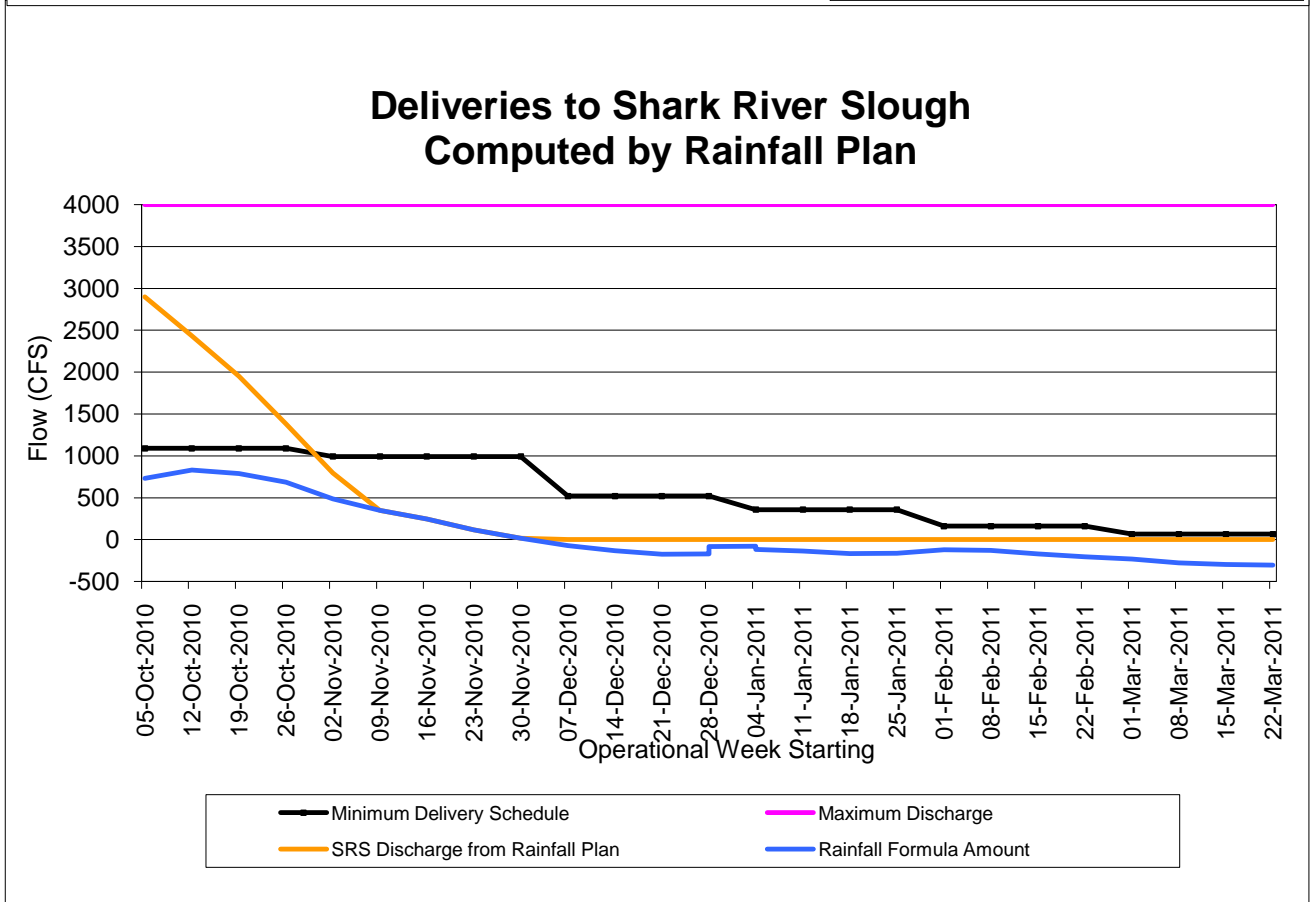
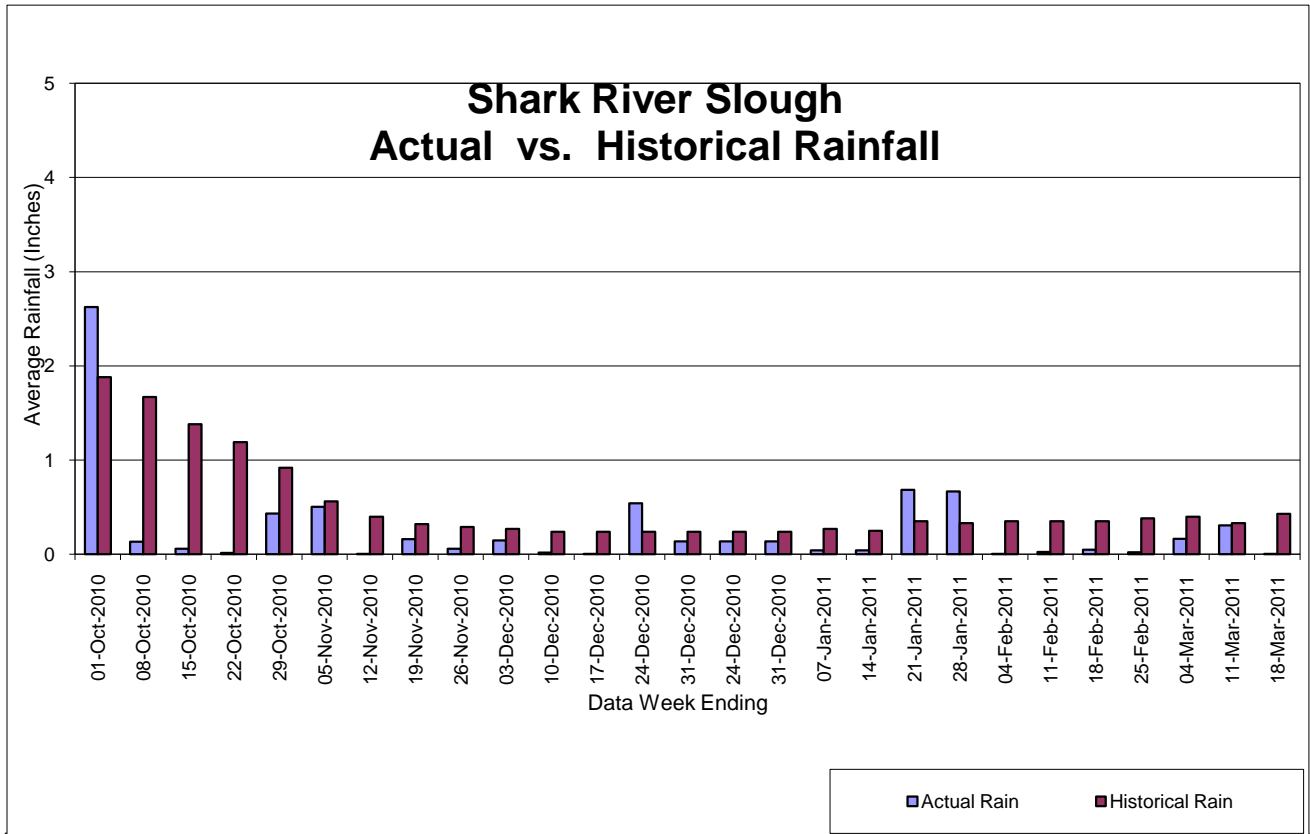
----- Statistical Parameters -----

Rainfall Formula Amount -303 cfs  
 Last Week's Rainfall Formula -297 cfs  
 Pre-Project Mean Discharge 25 cfs

Rainfall Excess Terms  
RL1 -0.51 RL2 -1.78 RL3 -0.21

**COMMENT: S7 and S140 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 15, 2011 to March 21, 2011 0 cfs

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

----- Data Summary ----- March 4, 2011 to March 11, 2011

WCA-3A Stage (end of week)	8.93	ft. msl
Angel's	3.84	ft. msl
G3273	4.20	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain/ S-7	0.31	1.19
S-8		
S-9		
S-140		1.38
S-12D		
S-336		
ENP		M
Gage 63		
Gage 64		
Gage 65		
This Week's Avg	0.31	1.29
Pre-Project Avg	0.33	1.22

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

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

Supplemental discharge is	0 cfs
Distance to Bottom of Transition Zone	1.11 feet
Distance to Bottom of Regulatory Zone	1.61 feet

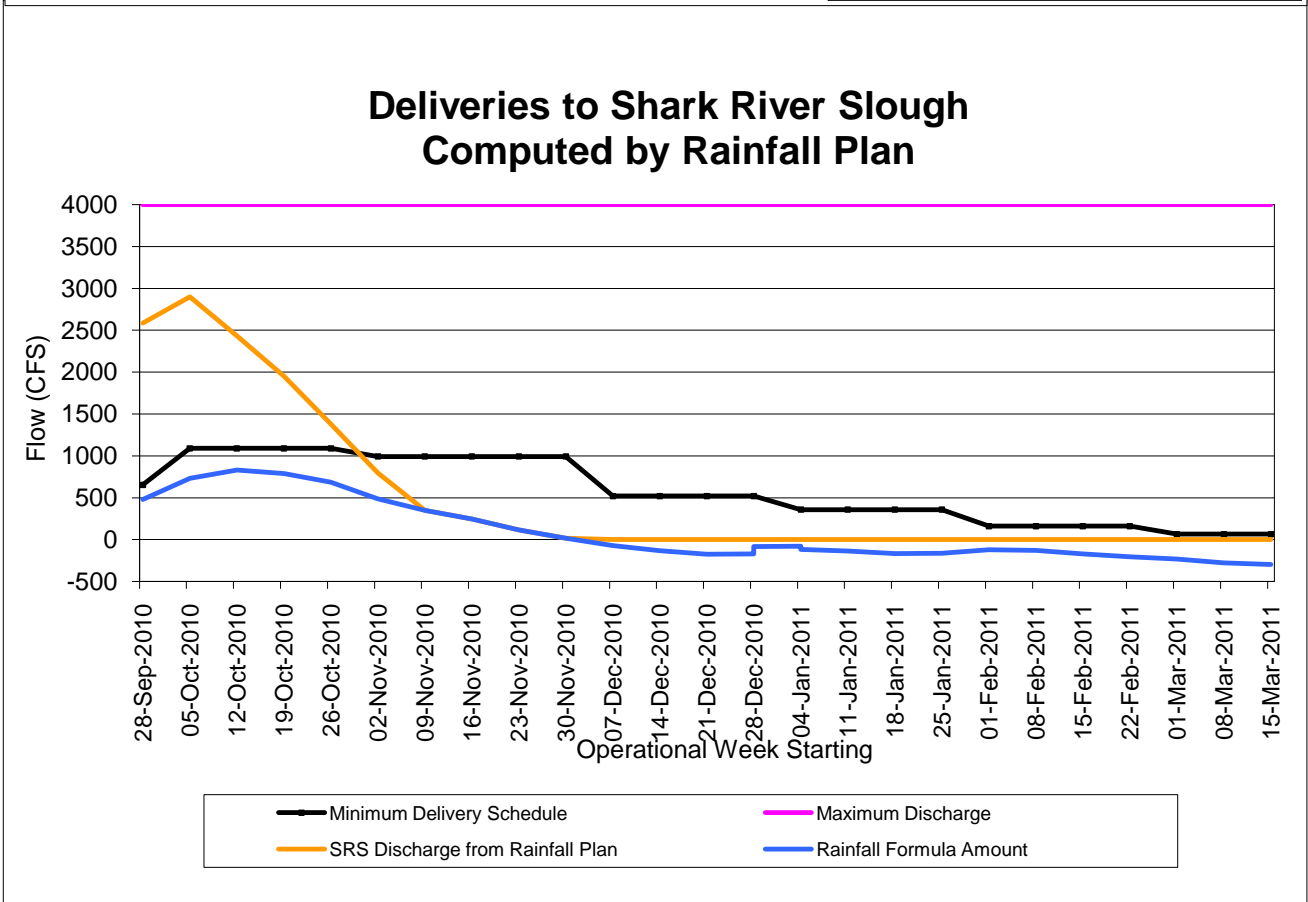
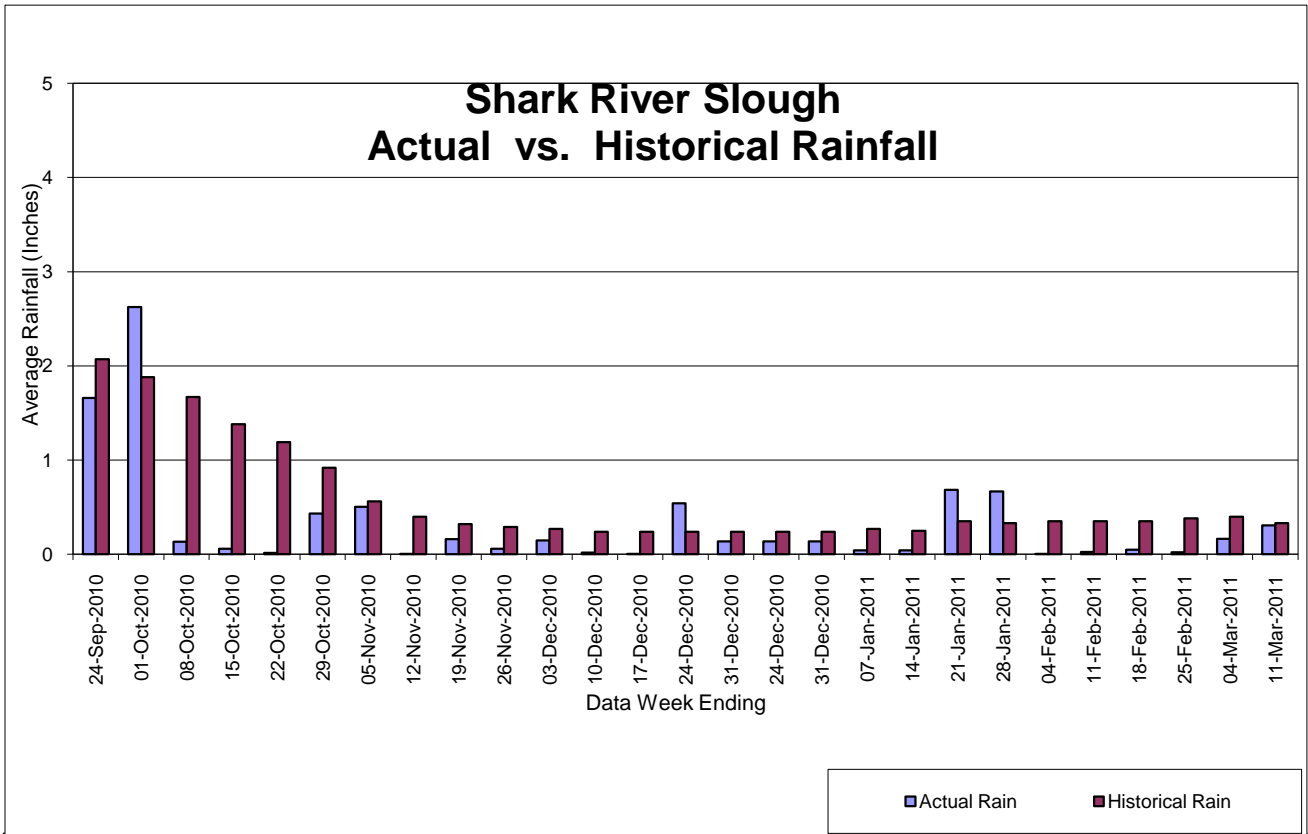
----- Statistical Parameters -----

Rainfall Formula Amount	-297 cfs
Last Week's Rainfall Formula	-278 cfs
Pre-Project Mean Discharge	35 cfs

Rainfall Excess Terms	RL1 -0.64	RL2 -1.62	RL3 -0.06
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**COMMENT: S7 and S140 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 8, 2011 to March 14, 2011 0 cfs

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

----- Data Summary ----- February 25, 2011 to March 4, 2011  
 WCA-3A Stage (end of week) 9.01 ft. msl  
 Angel's 4.19 ft. msl  
 G3273 4.74 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain/ S-7	0.16	M
S-8		
S-9		
S-140		1.56
S-12D		
S-336		
ENP		M
Gage 63		
Gage 64		
Gage 65		
This Week's Avg	0.16	1.56
Pre-Project Avg	0.40	1.15

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.07 feet  
 Distance to Bottom of Regulatory Zone 1.57 feet

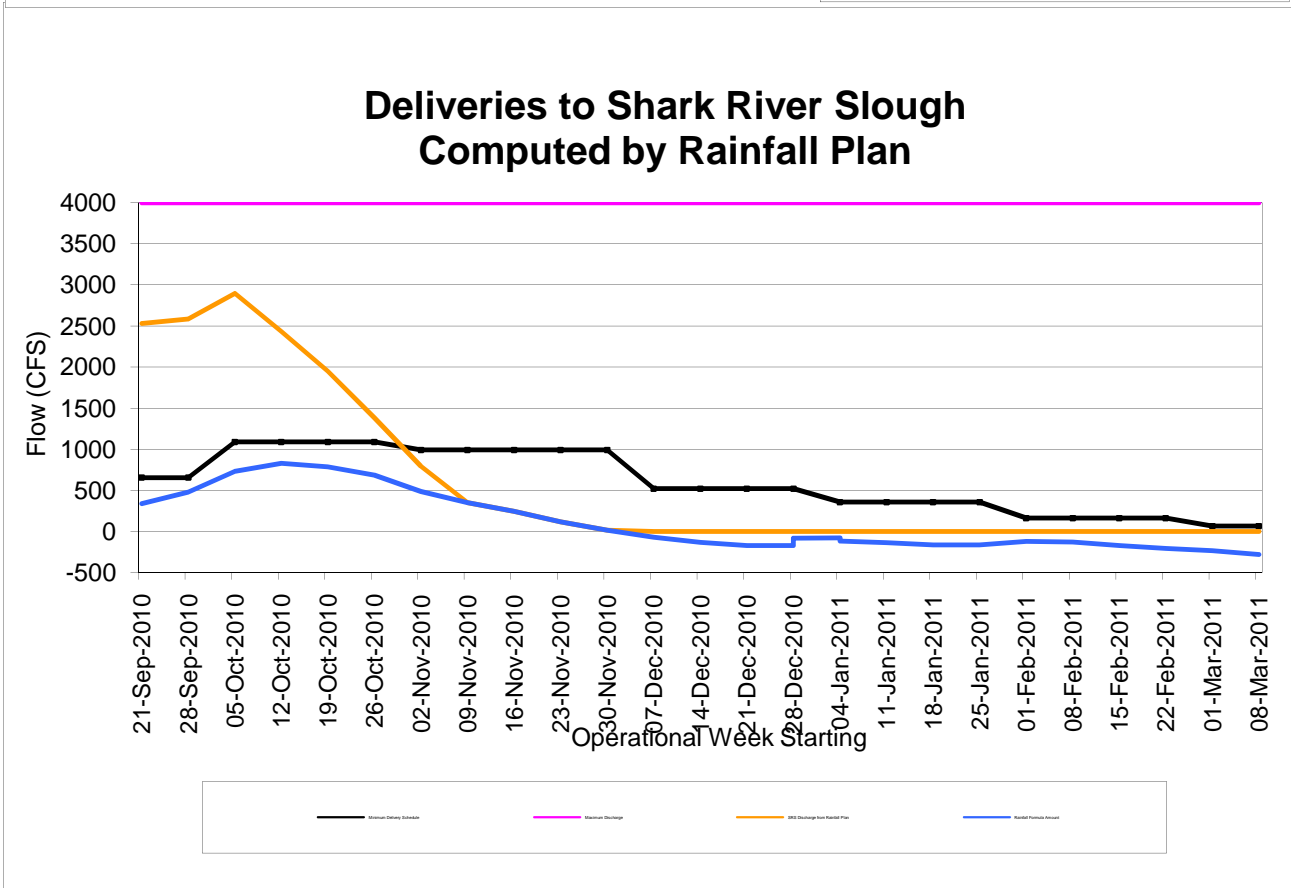
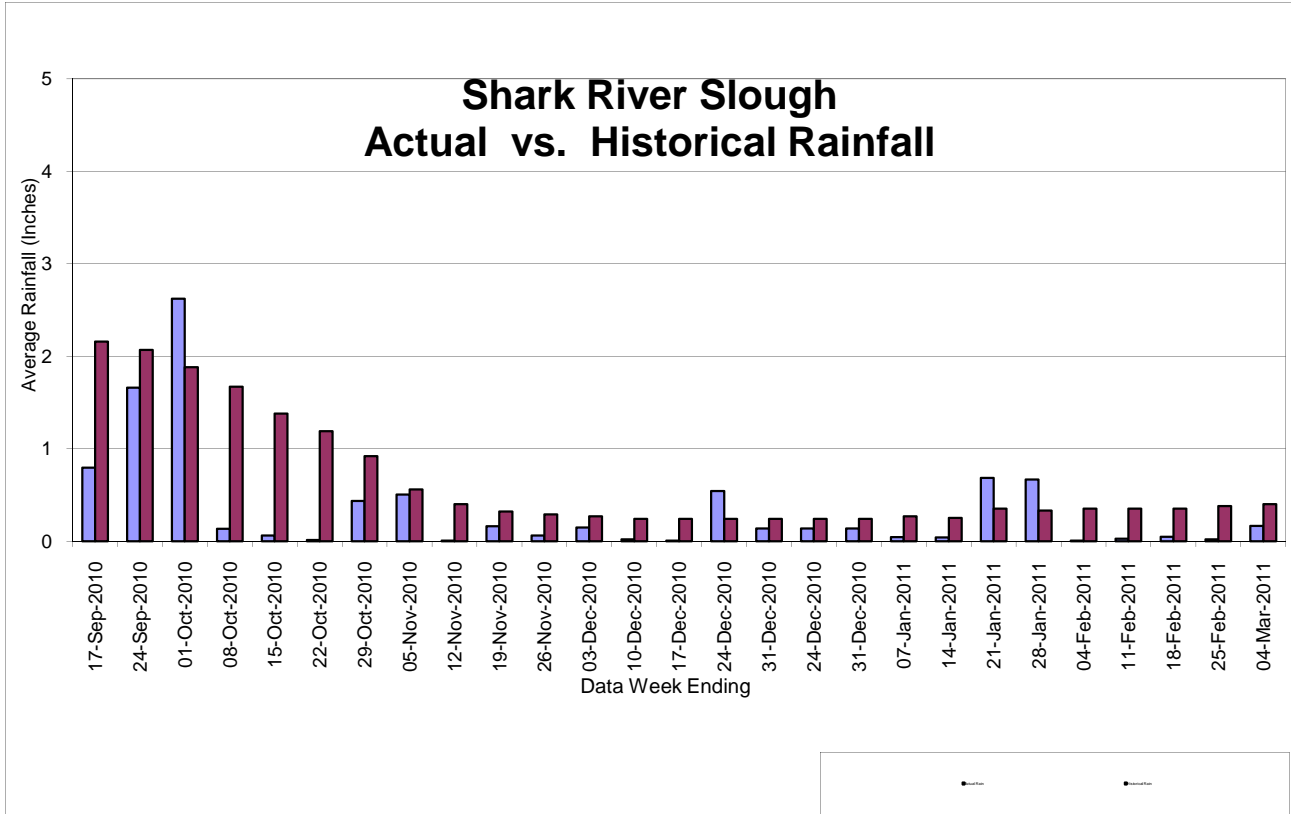
----- Statistical Parameters -----

Rainfall Formula Amount -278 cfs  
 Last Week's Rainfall Formula -233 cfs  
 Pre-Project Mean Discharge 50 cfs

Rainfall Excess Terms  
RL1 -1.05 RL2 -0.91 RL3 -0.43

**COMMENT: S140 evap data were used. S7 and 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 1, 2011 to March 7, 2011 0 cfs

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

----- Data Summary ----- February 18, 2011 to February 25, 2011  
 WCA-3A Stage (end of week) 9.09 ft. msl  
 Angel's 4.07 ft. msl  
 G3273 4.52 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain/ S-7	0.02	1.18
S-8		
S-9		
S-140		1.28
S-12D		
S-336		
ENP		M
Gage 63		
Gage 64		
Gage 65		
This Week's Avg	0.02	1.23
Pre-Project Avg	0.38	1.08

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.04 feet  
 Distance to Bottom of Regulatory Zone 1.54 feet

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

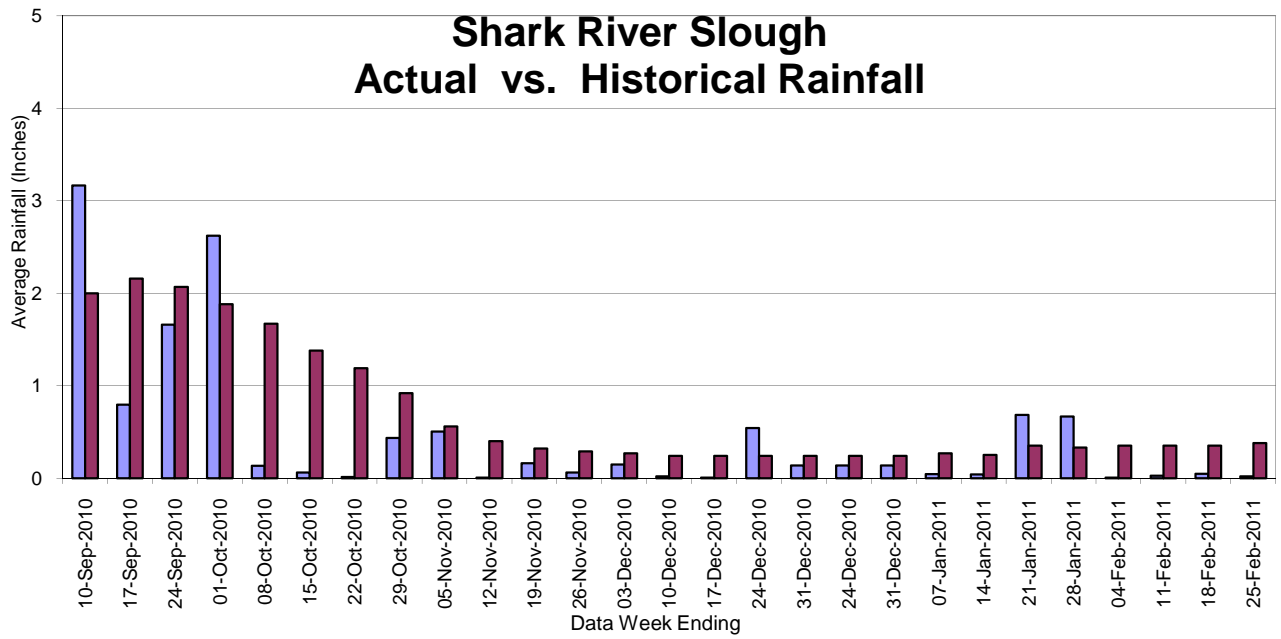
Rainfall Formula Amount -233 cfs  
 Last Week's Rainfall Formula -206 cfs  
 Pre-Project Mean Discharge 69 cfs

Rainfall Excess Terms  
RL1 -0.69 RL2 -0.34 RL3 -0.50

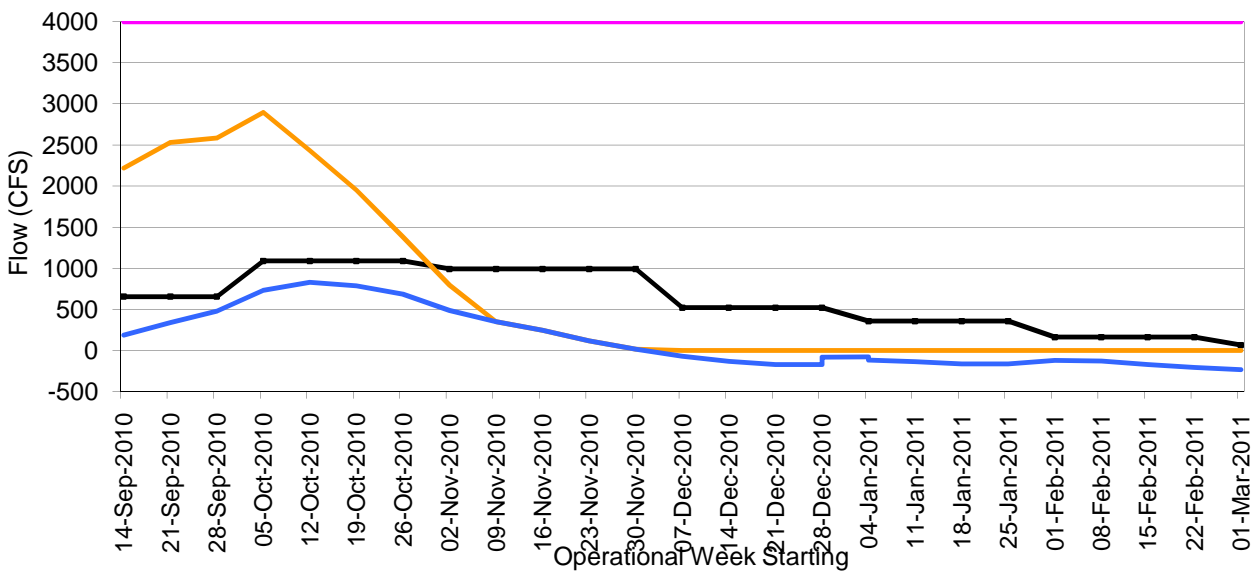
**COMMENT: S140 and S7 evap data were used. ENP evap data were missing.**

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

## Shark River Slough Actual vs. Historical Rainfall



## Deliveries to Shark River Slough Computed by Rainfall Plan



## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 22, 2011 to February 28, 2011 0 cfs

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

----- Data Summary ----- February 11, 2011 to February 18, 2011  
 WCA-3A Stage (end of week) 9.18 ft. msl  
 Angel's 4.35 ft. msl  
 G3273 4.84 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain/ S-7	0.05	0.85
S-8		
S-9		
S-140		0.94
S-12D		
S-336		
ENP		M
Gage 63		
Gage 64		
Gage 65		
This Week's Avg	0.05	0.89
Pre-Project Avg	0.35	1.01

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 1.00 feet  
 Distance to Bottom of Regulatory Zone 1.50 feet

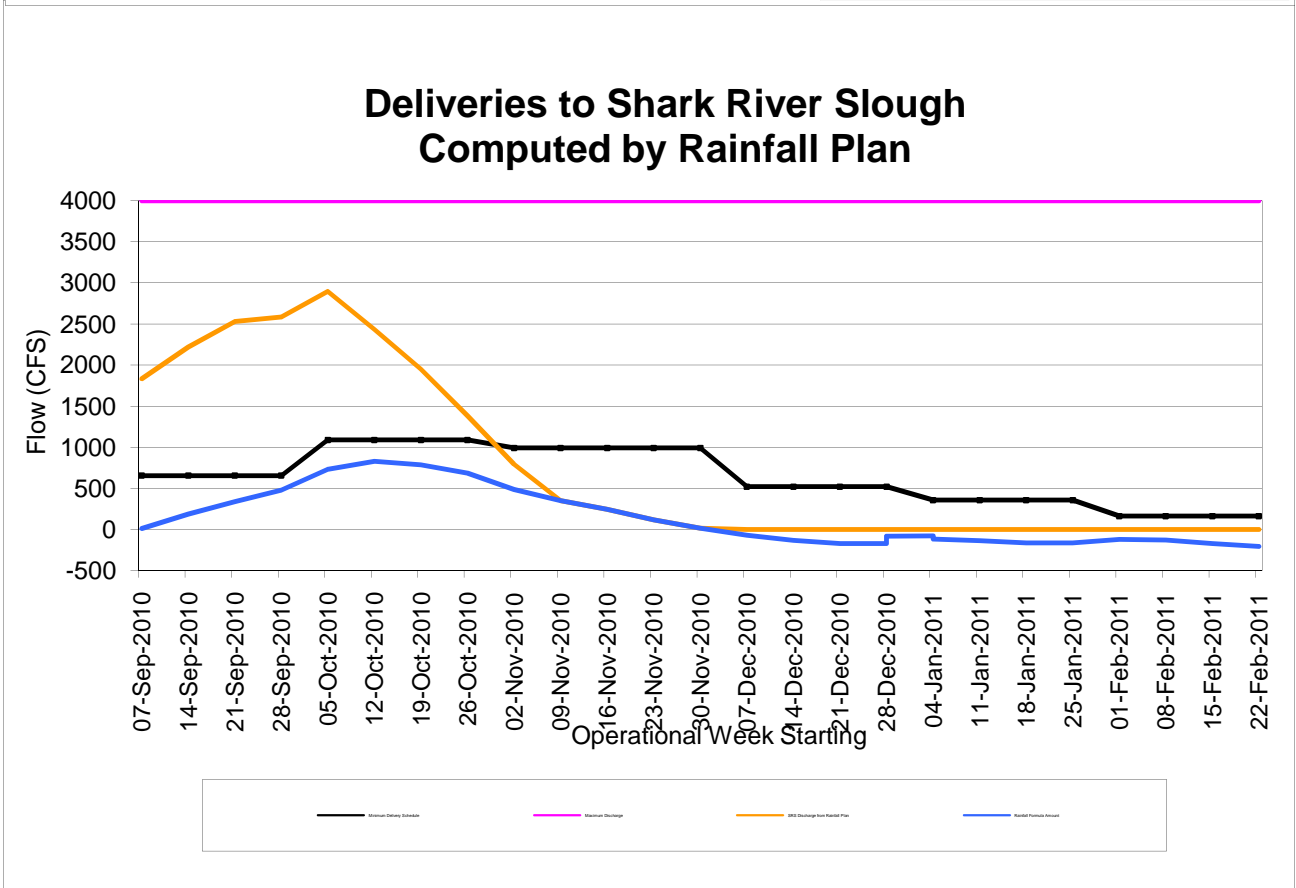
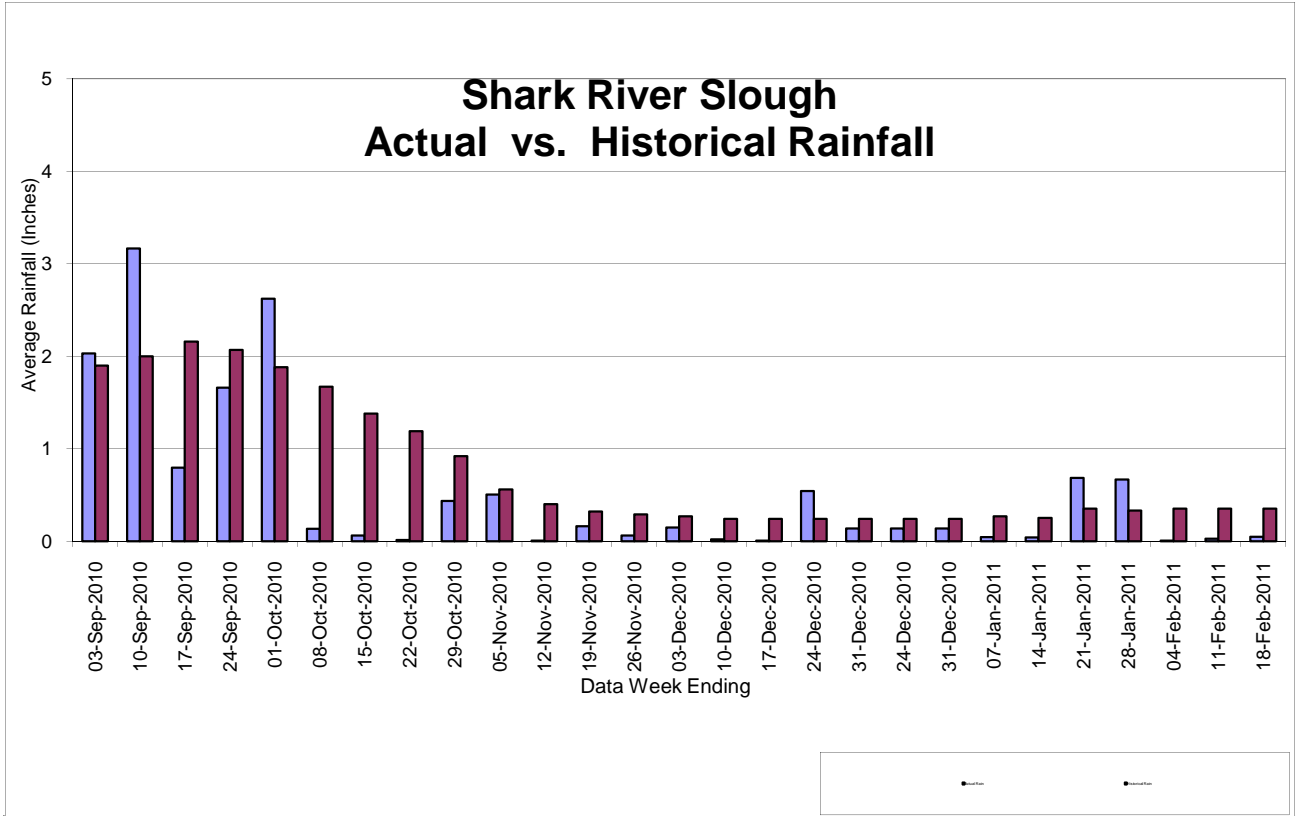
----- Statistical Parameters -----

Rainfall Formula Amount -206 cfs  
 Last Week's Rainfall Formula -172 cfs  
 Pre-Project Mean Discharge 88 cfs

Rainfall Excess Terms  
RL1 -0.73 RL2 -0.21 RL3 -0.49

**COMMENT: S140 and S7 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 15, 2011 to February 21, 2011 0 cfs

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

----- Data Summary ----- February 4, 2011 to February 11, 2011  
 WCA-3A Stage (end of week) 9.25 ft. msl  
 Angel's 4.56 ft. msl  
 G3273 5.10 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain/ S-7	0.03	1.09
S-8		
S-9		
S-140		1.29
S-12D		
S-336		
ENP		M
Gage 63		
Gage 64		
Gage 65		
This Week's Avg	0.03	1.19
Pre-Project Avg	0.35	0.94

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.97 feet  
 Distance to Bottom of Regulatory Zone 1.47 feet

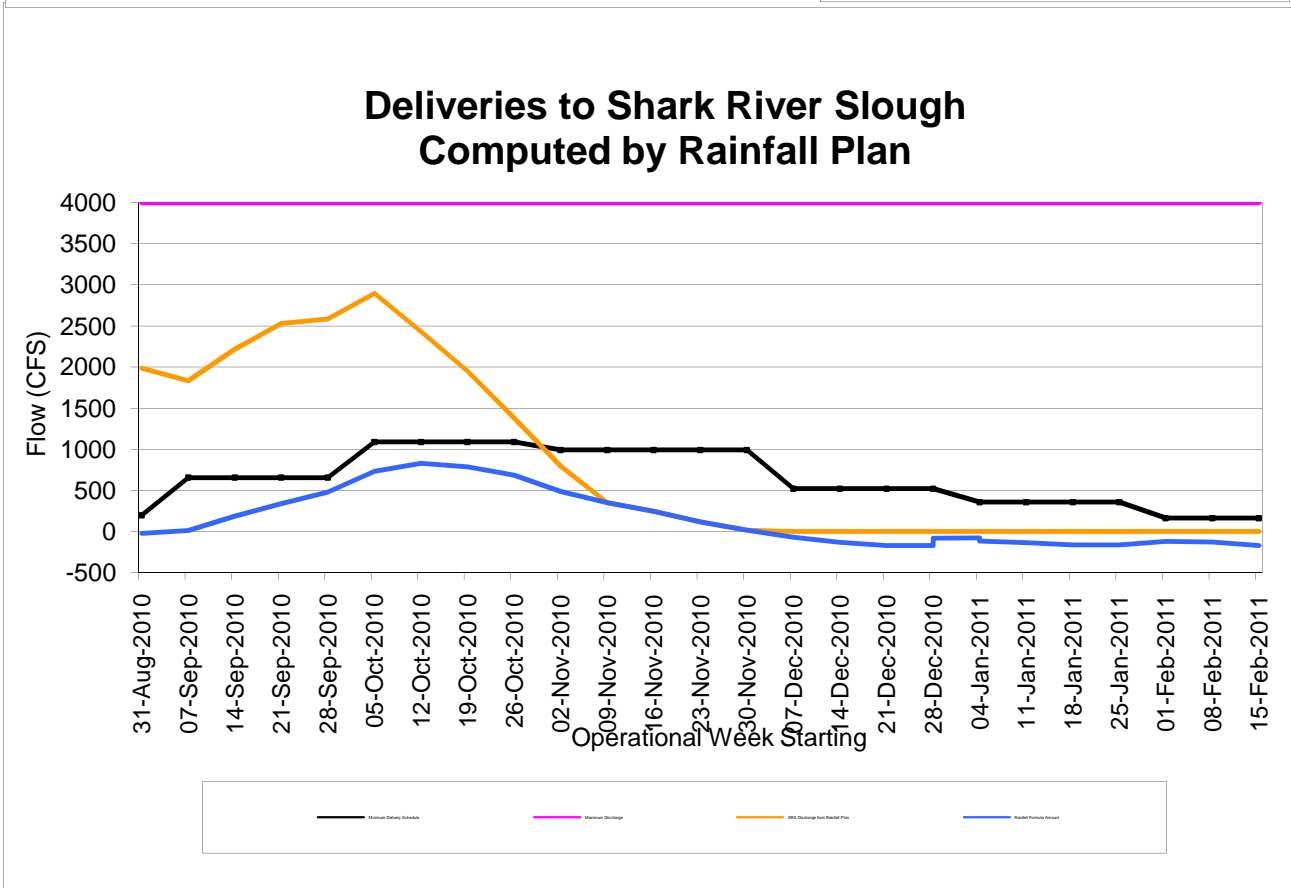
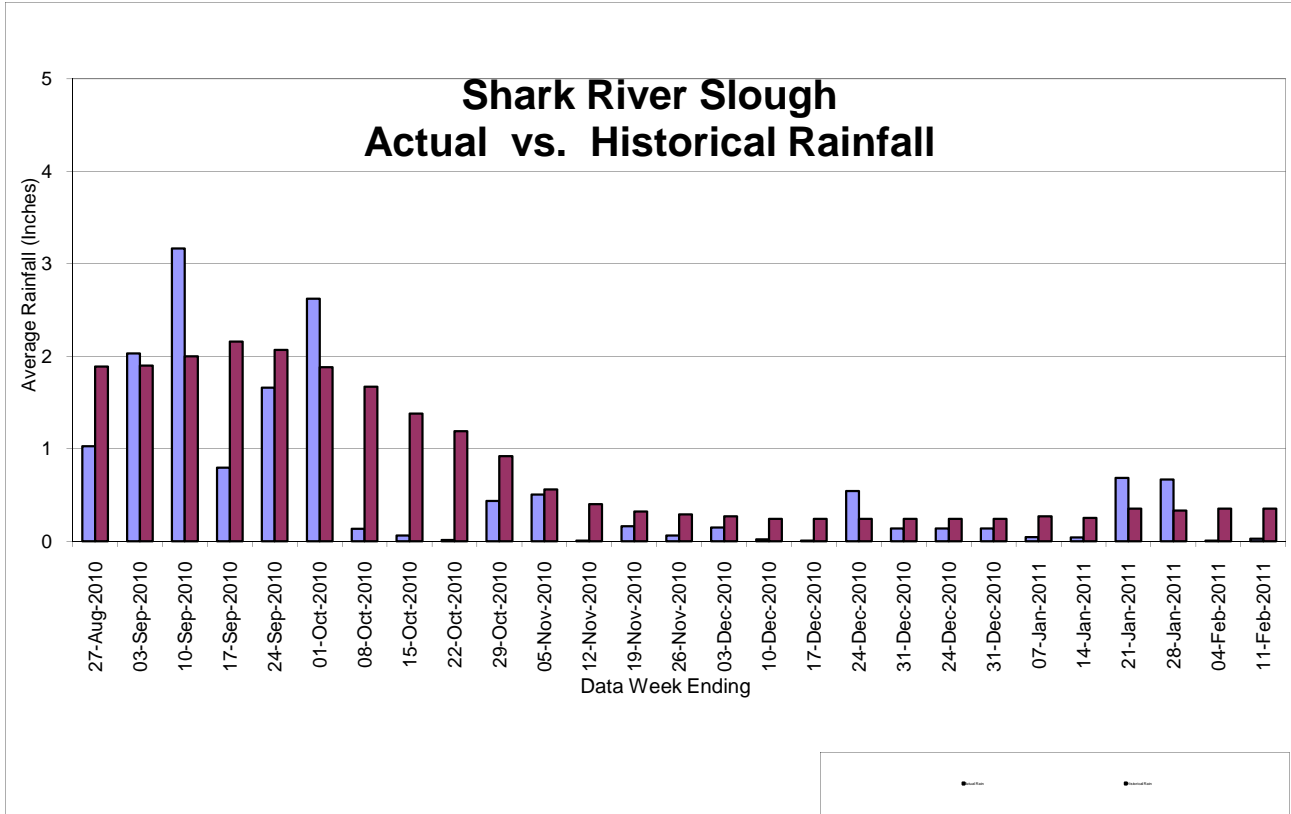
----- Statistical Parameters -----

Rainfall Formula Amount -172 cfs  
 Last Week's Rainfall Formula -127 cfs  
 Pre-Project Mean Discharge 110 cfs

Rainfall Excess Terms  
RL1 -0.93 RL2 -0.06 RL3 -0.45

**COMMENT: S140 and S7 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 8, 2011 to February 14, 2011 0 cfs

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

----- Data Summary ----- January 28, 2011 to February 4, 2011  
 WCA-3A Stage (end of week) 9.34 ft. msl  
 Angel's 4.80 ft. msl  
 G3273 5.42 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain/ S-7	0.00	0.79
S-8		
S-9		
S-140		1.13
S-12D		
S-336		
ENP		M
Gage 63		
Gage 64		
Gage 65		
This Week's Avg	0.00	0.96
Pre-Project Avg	0.35	0.88

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.93 feet  
 Distance to Bottom of Regulatory Zone 1.41 feet

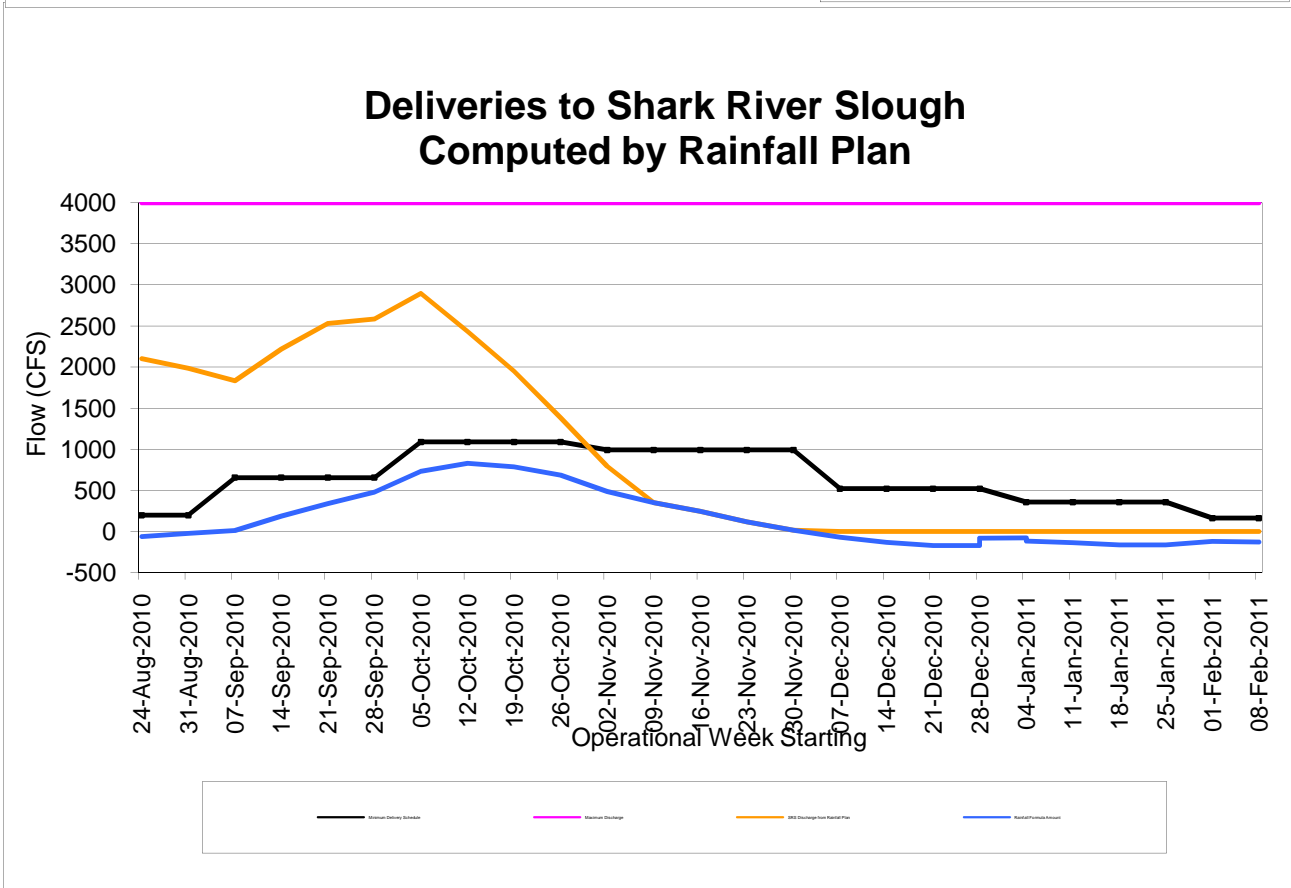
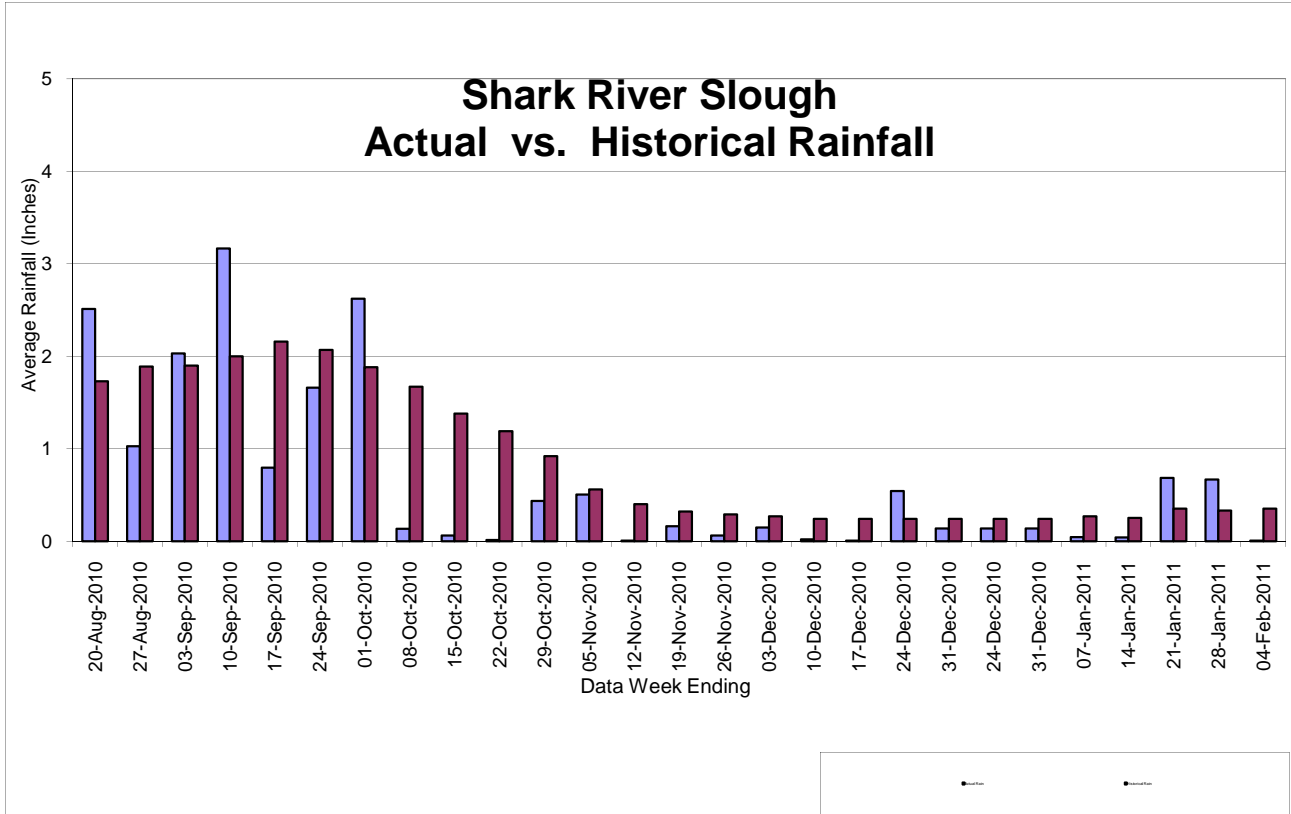
----- Statistical Parameters -----

Rainfall Formula Amount -127 cfs  
 Last Week's Rainfall Formula -120 cfs  
 Pre-Project Mean Discharge 130 cfs

Rainfall Excess Terms  
RL1 -0.18 RL2 -0.43 RL3 -0.60

**COMMENT: S140 and S7 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 1, 2011 to February 7, 2011 0 cfs

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

----- Data Summary ----- January 21, 2011 to January 28, 2011  
 WCA-3A Stage (end of week) 9.40 ft. msl  
 Angel's 5.18 ft. msl  
 G3273 5.78 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD Rain/ S-7	0.67	0.97
S-8		
S-9		
S-140		0.96
S-12D		
S-336		
ENP		M
Gage 63		
Gage 64		
Gage 65		
This Week's Avg	----- 0.67	----- 0.96
Pre-Project Avg	0.33	0.83

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.91 feet  
 Distance to Bottom of Regulatory Zone 1.35 feet

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

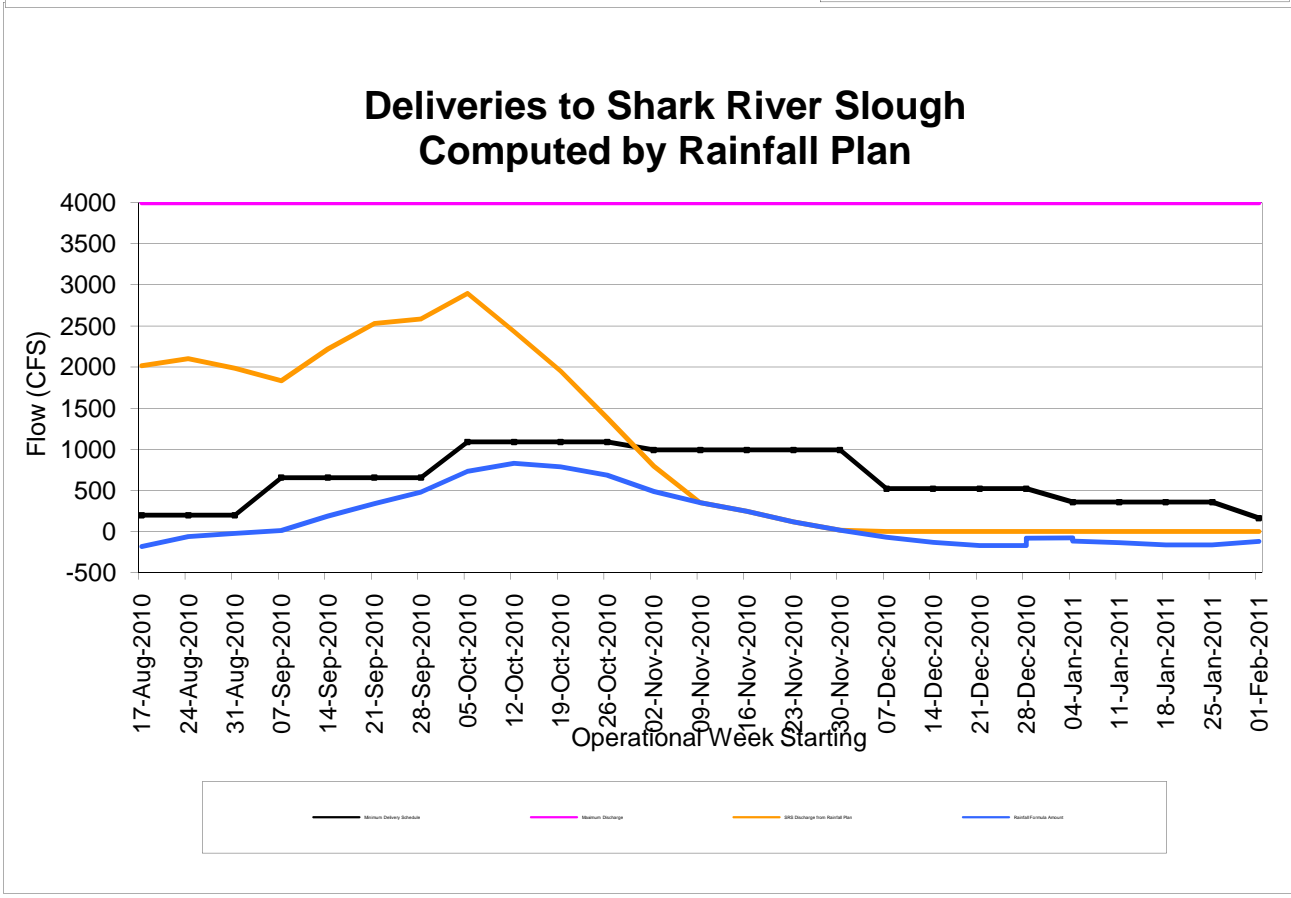
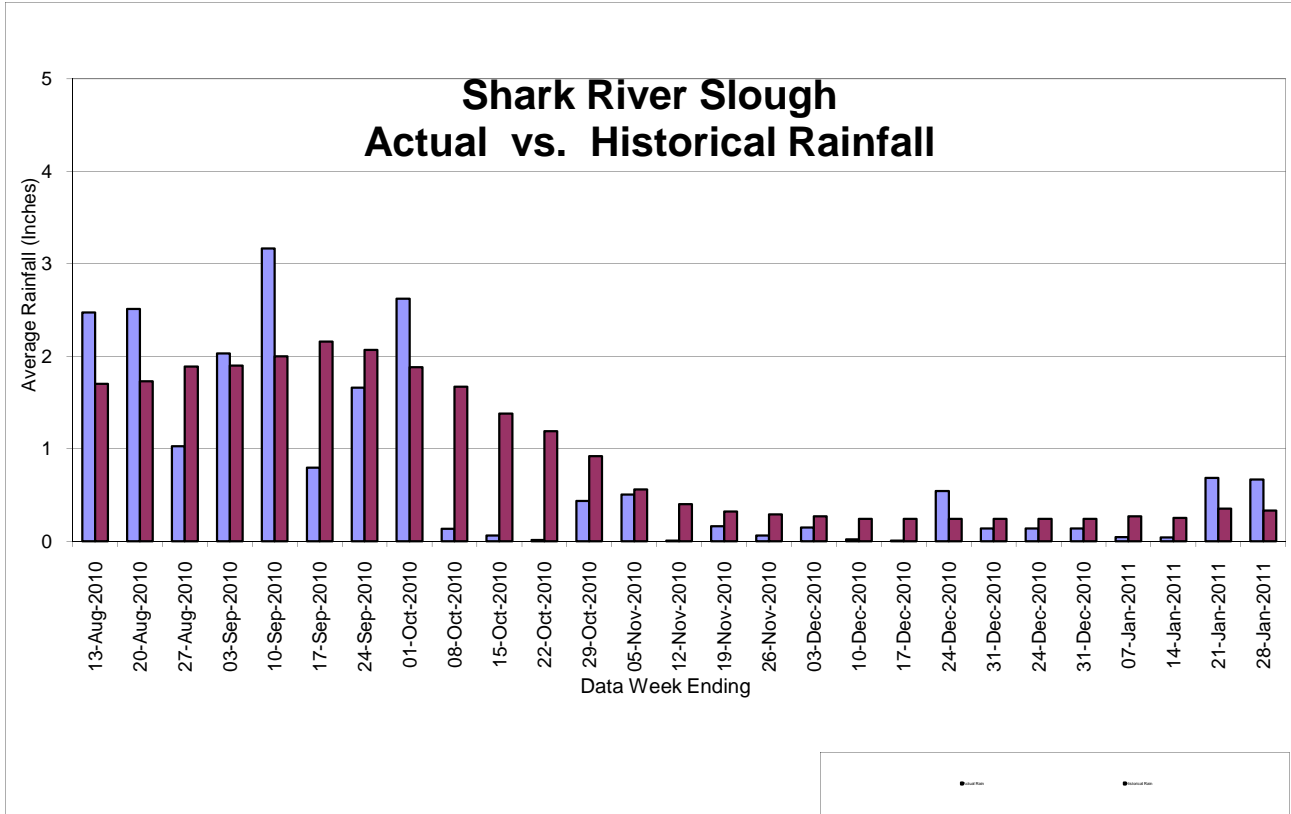
Rainfall Formula Amount -120 cfs  
 Last Week's Rainfall Formula -161 cfs  
 Pre-Project Mean Discharge 153 cfs

Rainfall Excess Terms

RL1	0.59	RL2	-0.50	RL3	-1.22
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**COMMENT: S140 and S7 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 25, 2011 to January 31, 2011 0 cfs

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

----- **Data Summary** ----- **January 14, 2011 to January 21, 2011**  
 WCA-3A Stage (end of week) 9.42 ft. msl  
 Angel's 5.26 ft. msl  
 G3273 5.88 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD	0.68	0.72

0.83

M

This Week's Avg	0.68	0.77
Pre-Project Avg	0.35	0.81

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.94 feet  
 Distance to Bottom of Regulatory Zone 1.33 feet

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

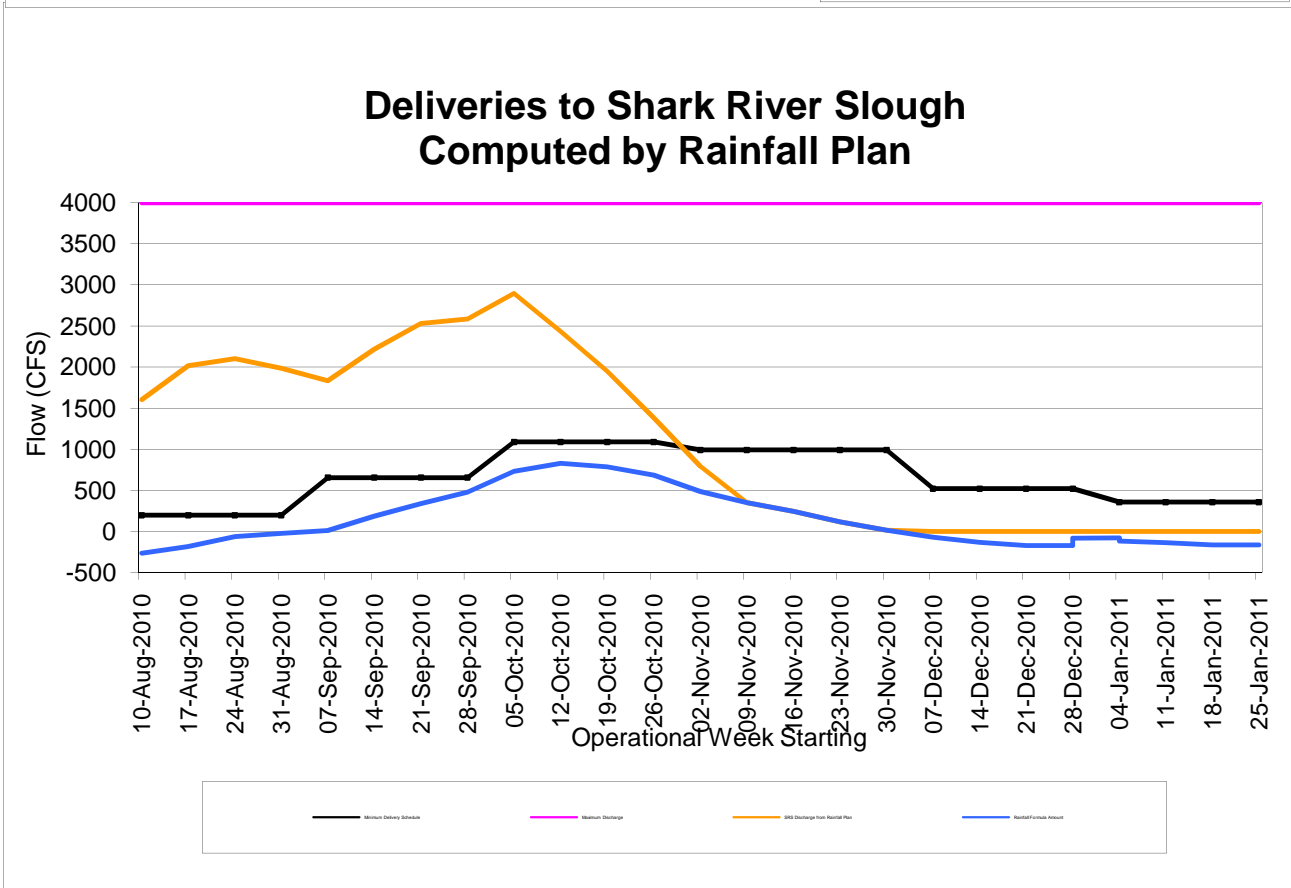
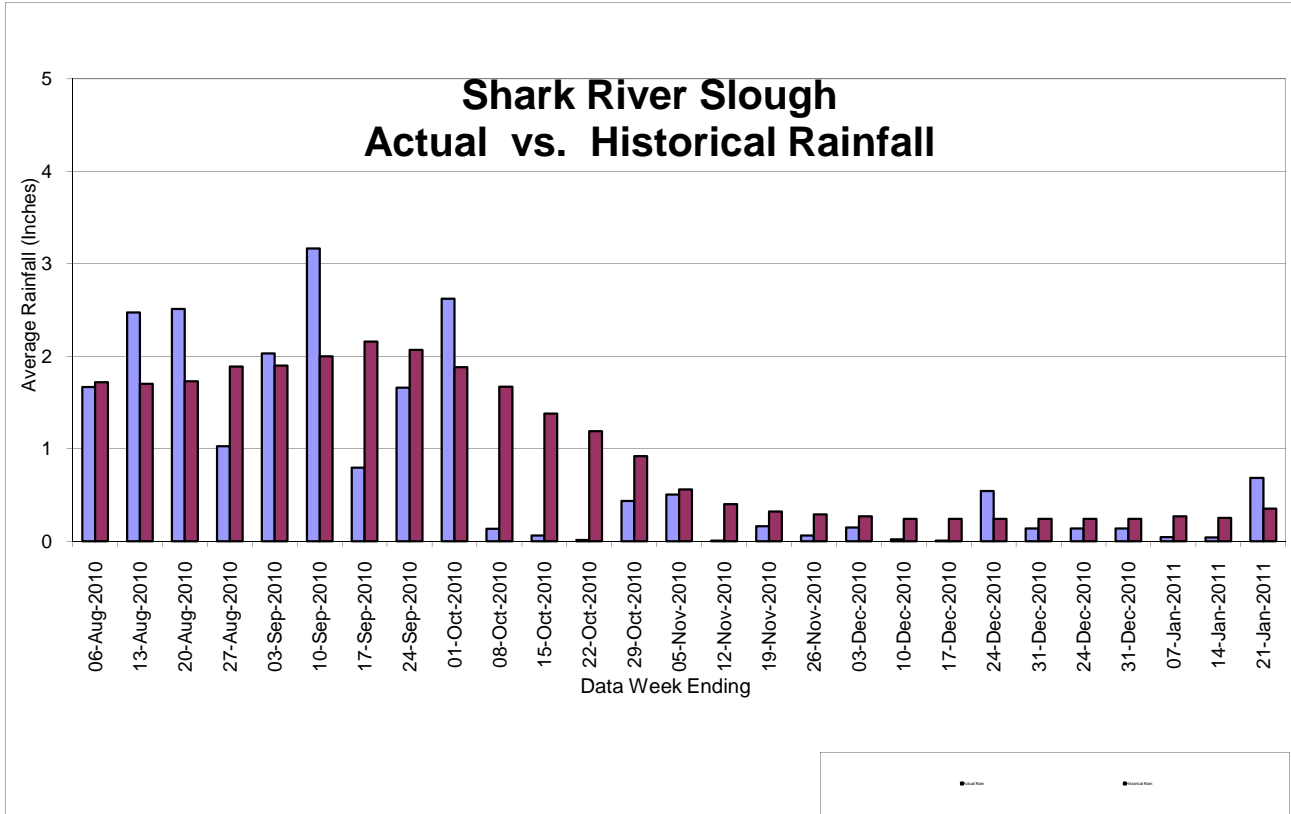
Rainfall Formula Amount -161 cfs  
 Last Week's Rainfall Formula -165 cfs  
 Pre-Project Mean Discharge 186 cfs

Rainfall Excess Terms

RL1 -0.03	RL2 -0.49	RL3 -1.15
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**COMMENT: S140 and S7 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 18, 2011 to January 24, 2011 0 cfs

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

----- Data Summary ----- January 7, 2011 to January 14, 2011

WCA-3A Stage (end of week)	9.41	ft. msl
Angel's	4.64	ft. msl
G3273	5.23	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD	0.04	0.99
S-8		
S-9		
S-140		1.01
S-12D		
S-336		
ENP		M
Gage 63		
Gage 64		
Gage 65		
This Week's Avg	0.04	1.00
Pre-Project Avg	0.25	0.77

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

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

Supplemental discharge is	0 cfs
Distance to Bottom of Transition Zone	1.00 feet
Distance to Bottom of Regulatory Zone	1.34 feet

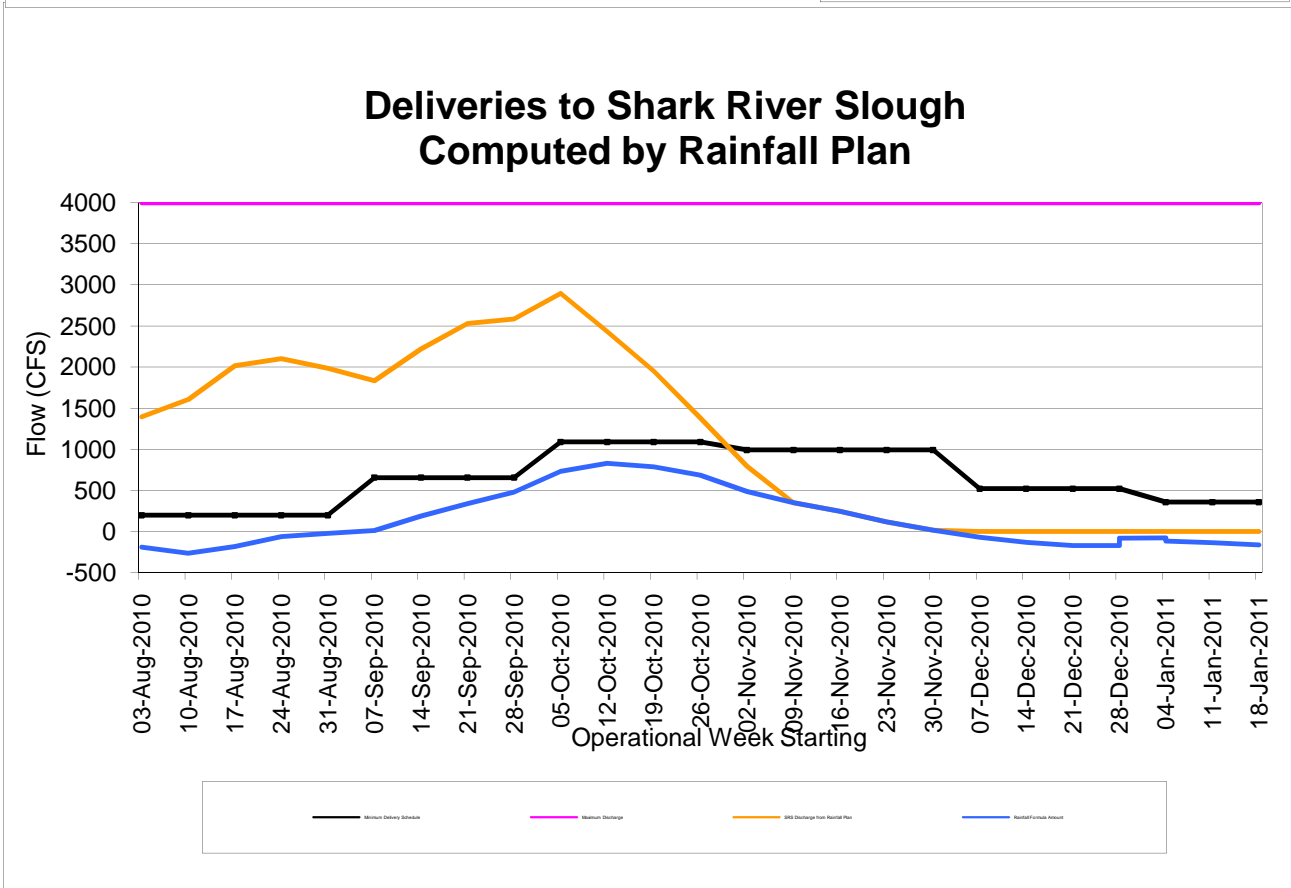
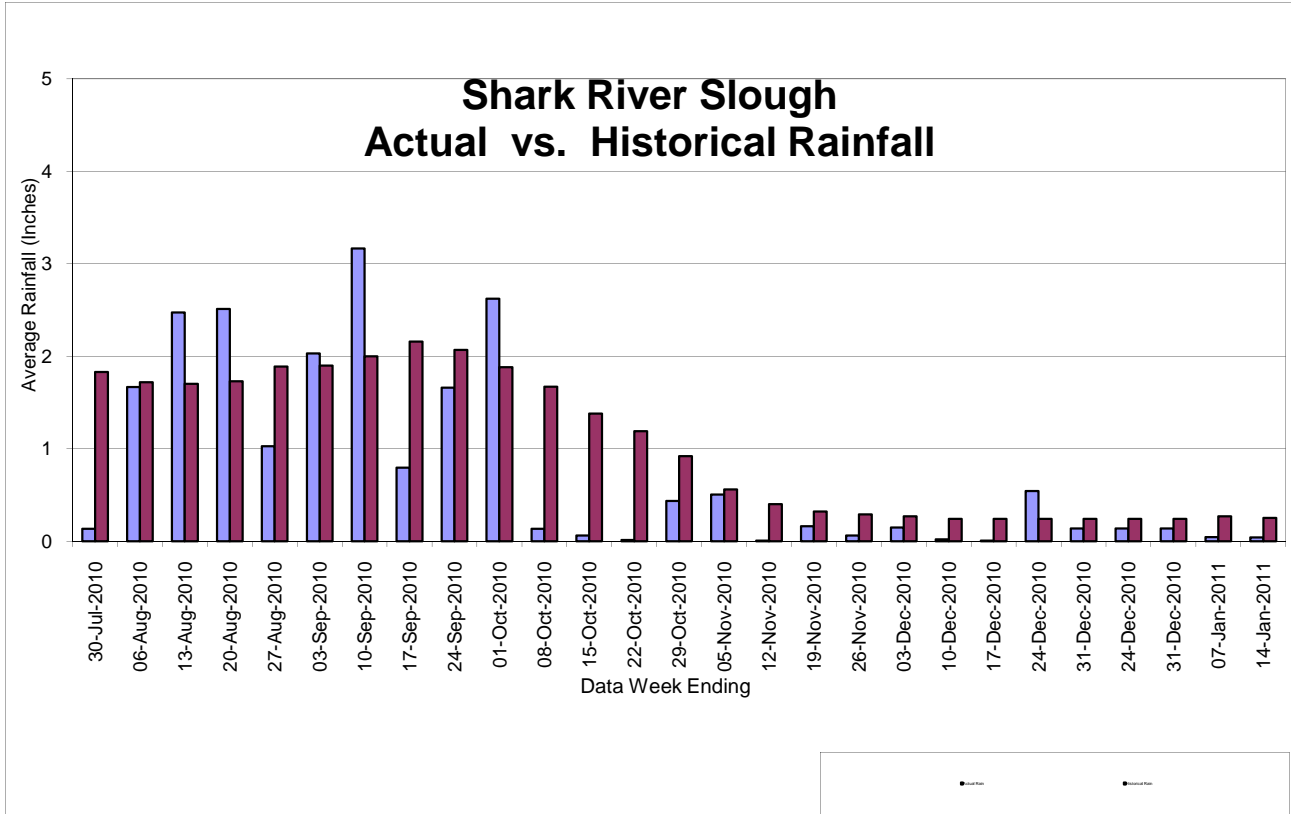
----- Statistical Parameters -----

Rainfall Formula Amount	-165 cfs
Last Week's Rainfall Formula	-136 cfs
Pre-Project Mean Discharge	216 cfs

Rainfall Excess Terms	RL1 -0.66	RL2 -0.45	RL3 -1.56
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**COMMENT: S140 and estimated S7 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 11, 2011 to January 17, 2011 0 cfs

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

----- Data Summary ----- December 31, 2010 to January 7, 2011  
 WCA-3A Stage (end of week) 9.50 ft. msl  
 Angel's 4.84 ft. msl  
 G3273 5.50 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
NEXRAD	0.04	0.74
S-8	M	
S-9	M	
S-140	M	0.85
S-12D	M	
S-336	M	
ENP	M	M
Gage 63	M	
Gage 64	M	
Gage 65	M	
This Week's Avg	0.04	0.79
Pre-Project Avg	0.27	0.75

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

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

Supplemental discharge is 0 cfs  
 Distance to Bottom of Transition Zone 0.95 feet  
 Distance to Bottom of Regulatory Zone 1.25 feet

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

Rainfall Formula Amount -136 cfs  
 Last Week's Rainfall Formula -118 cfs  
 Pre-Project Mean Discharge 247 cfs

Rainfall Excess Terms  
RL1 -0.40 RL2 -0.60 RL3 -1.46

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

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

