

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 8, 2002 to January 14, 2002 402 cfs

S-12 Discharge 181 cfs
 S-333 Discharge 221 cfs

----- Data Summary ----- December 28, 2001 to January 4, 2002
 WCA-3A Stage (end of week) 10.46 ft. msl
 Angel's 6.34 ft. msl
 G3273 6.81 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.51	0.59
S-8	1.33	
S-9	0.99	
S-140	1.11	0.95
S-12D	0.38	
S-336	0.79	
ENP	0.97	M
Gage 63	0.83	
Gage 64	0.00	
Gage 65	0.76	
This Week's Avg	0.87	0.77
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 0.01 feet
 Distance to Bottom of Regulatory Zone 0.29 feet

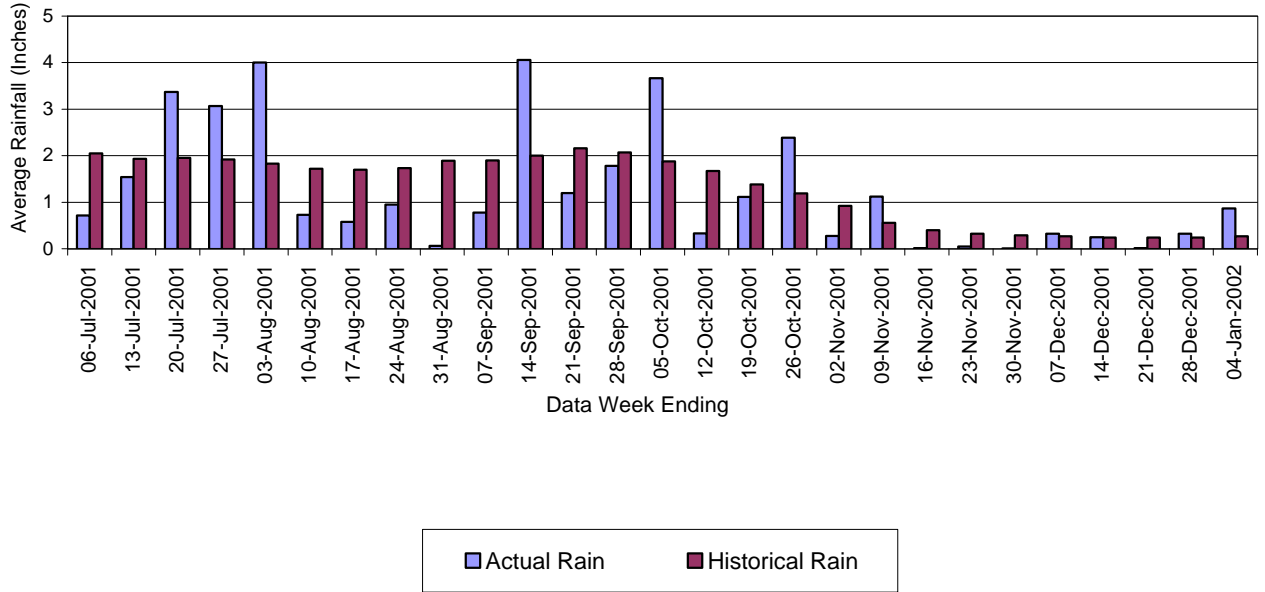
----- Statistical Parameters -----

Rainfall Formula Amount 402 cfs
 Last Week's Rainfall Formula 401 cfs
 Pre-Project Mean Discharge 247 cfs

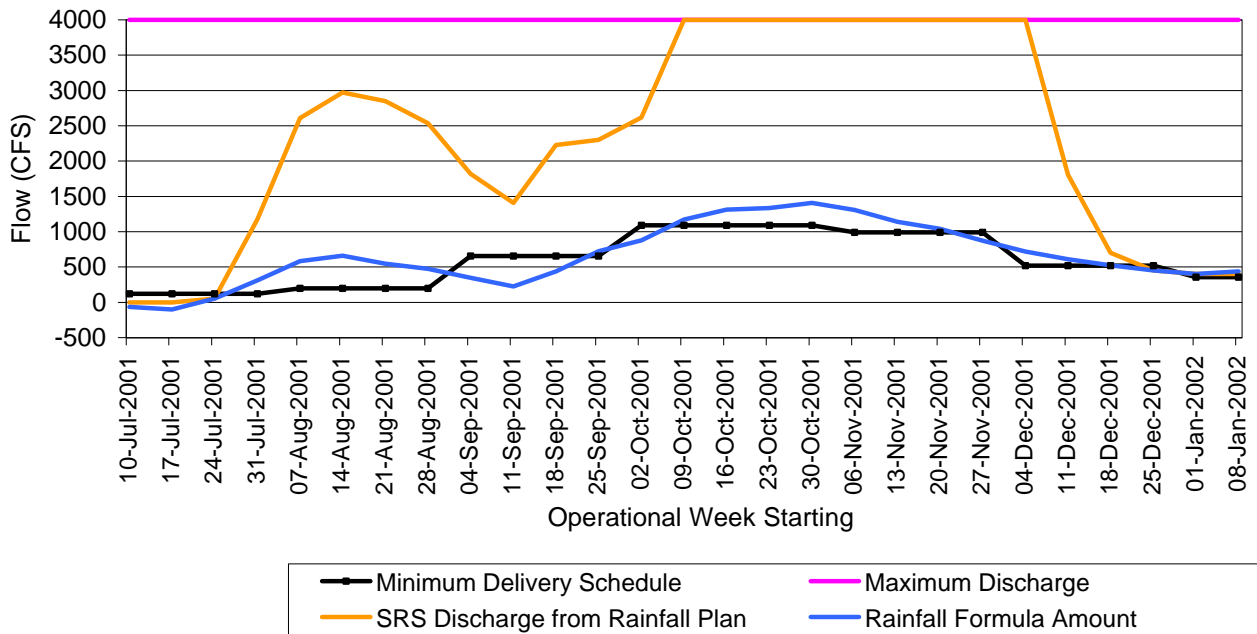
Rainfall Excess Terms
RL1 0.67 RL2 -0.33 RL3 -0.75

***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 January 15, 2002 to January 21, 2002 387 cfs

S-12 Discharge 174 cfs
 S-333 Discharge 213 cfs

----- Data Summary ----- January 4, 2002 to January 11, 2002
 WCA-3A Stage (end of week) 10.41 ft. msl
 Angel's 5.91 ft. msl
 G3273 6.65 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.14	0.67
S-8	0.04	
S-9	0.02	
S-140	0.07	0.78
S-12D	0.03	
S-336	0.01	
ENP	0.06	M
Gage 63	0.00	
Gage 64	0.00	
Gage 65	0.03	
This Week's Avg	0.04	0.73
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 0.02 feet
 Distance to Bottom of Regulatory Zone 0.34 feet

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

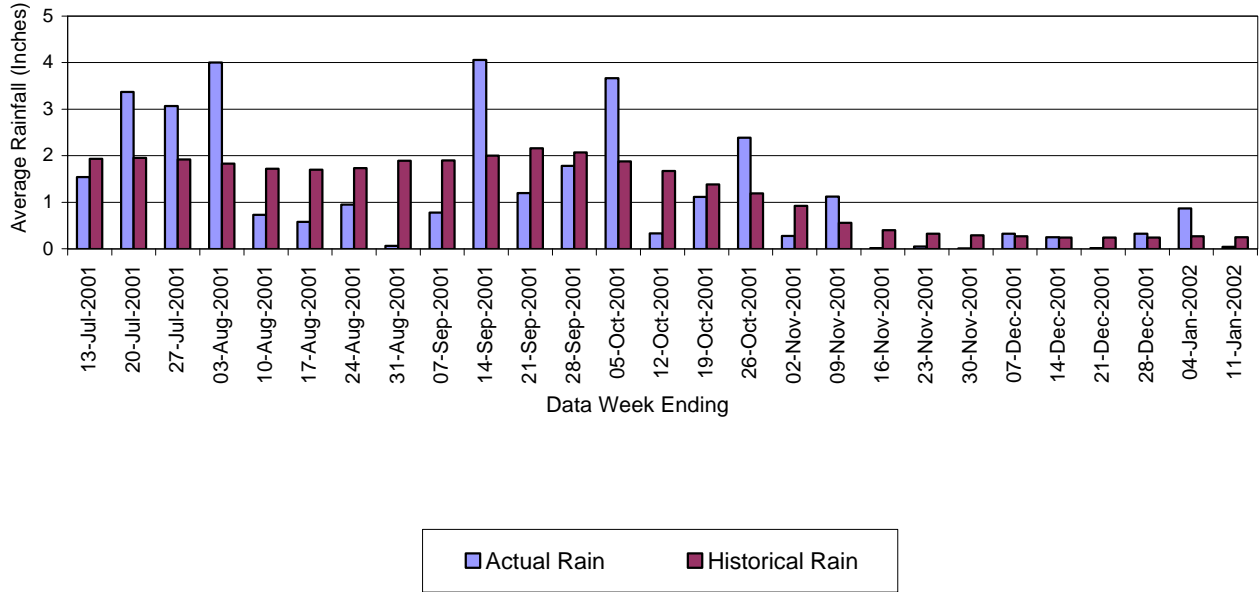
Rainfall Formula Amount 387 cfs
 Last Week's Rainfall Formula 402 cfs
 Pre-Project Mean Discharge 216 cfs

Rainfall Excess Terms

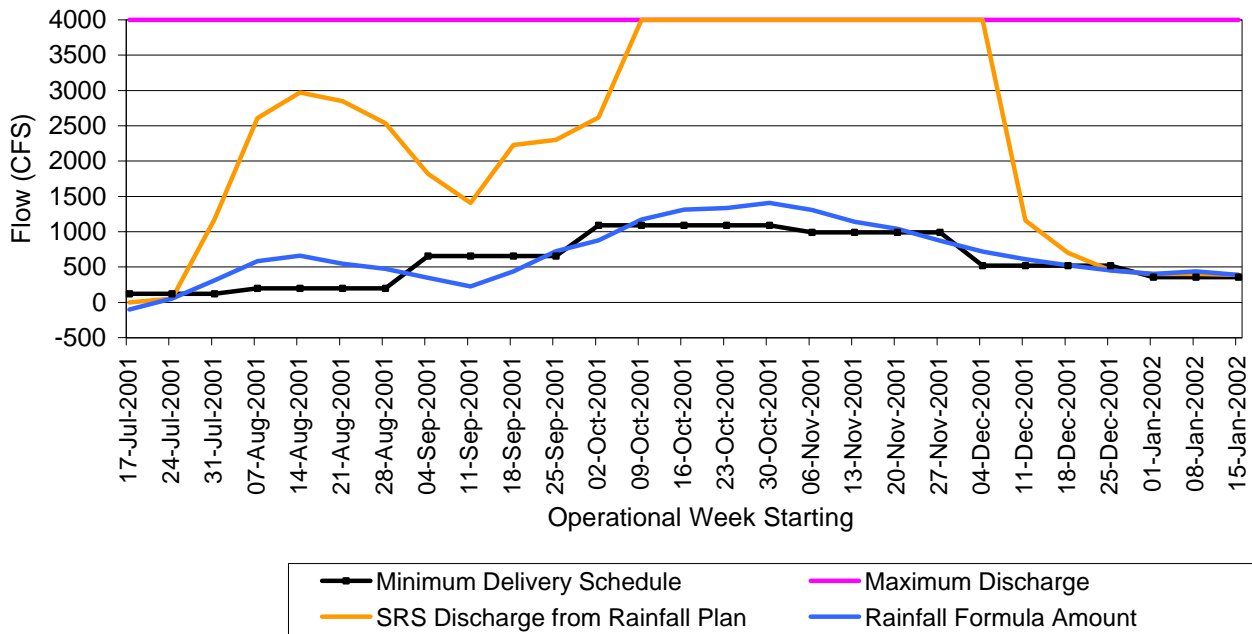
RL1 0.41	RL2 0.03	RL3 -0.25
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***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 22, 2002 to January 28, 2002 340 cfs

S-12 Discharge 153 cfs
S-333 Discharge 187 cfs

----- Data Summary ----- January 11, 2002 to January 18, 2002
WCA-3A Stage (end of week) 10.38 ft. msl
Angel's 5.75 ft. msl
G3273 6.48 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.15	0.53
S-8	0.36	
S-9	0.16	
S-140	1.45	0.59
S-12D	0.01	
S-336	0.00	
ENP	M	M
Gage 63	0.00	
Gage 64	0.00	
Gage 65	0.01	
This Week's Avg	0.24	0.56
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 0.00 feet
Distance to Bottom of Regulatory Zone 0.37 feet

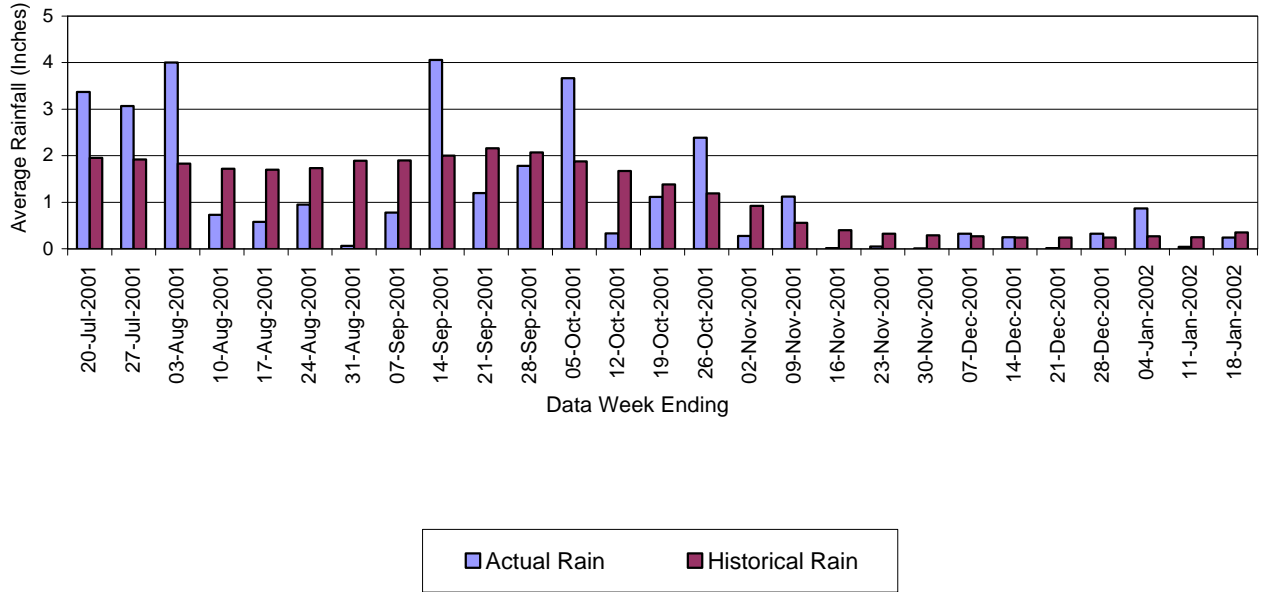
----- Statistical Parameters -----

Rainfall Formula Amount 340 cfs
Last Week's Rainfall Formula 387 cfs
Pre-Project Mean Discharge 186 cfs

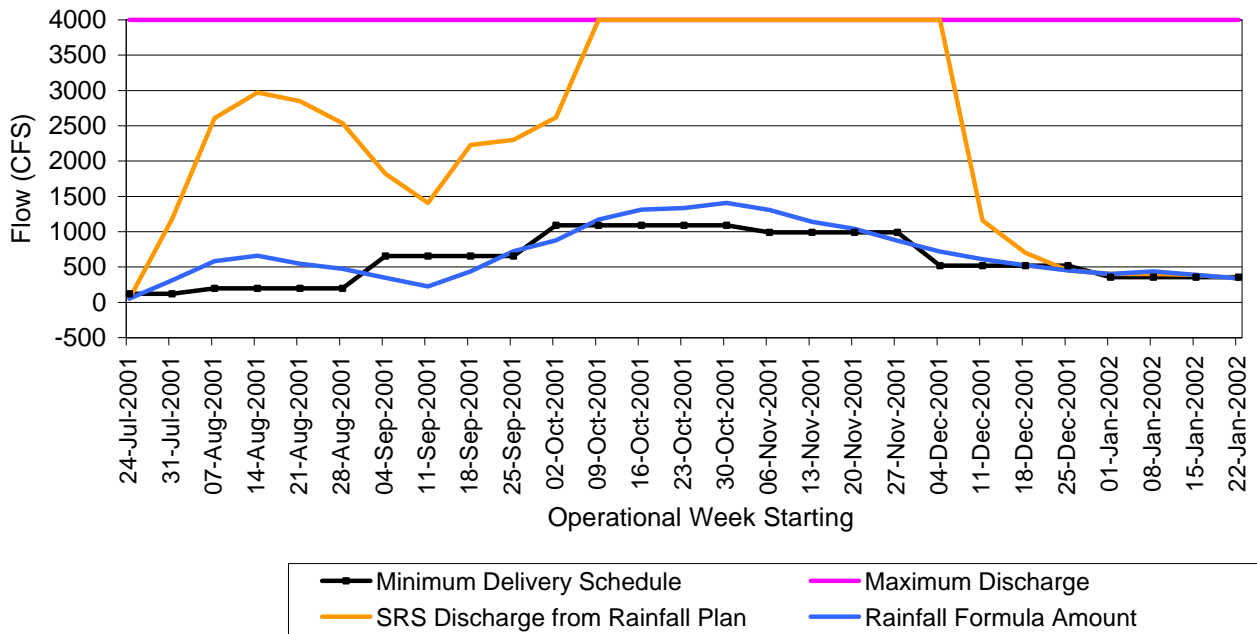
Rainfall Excess Terms
 RL1 -0.09 RL2 0.45 RL3 -0.66

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

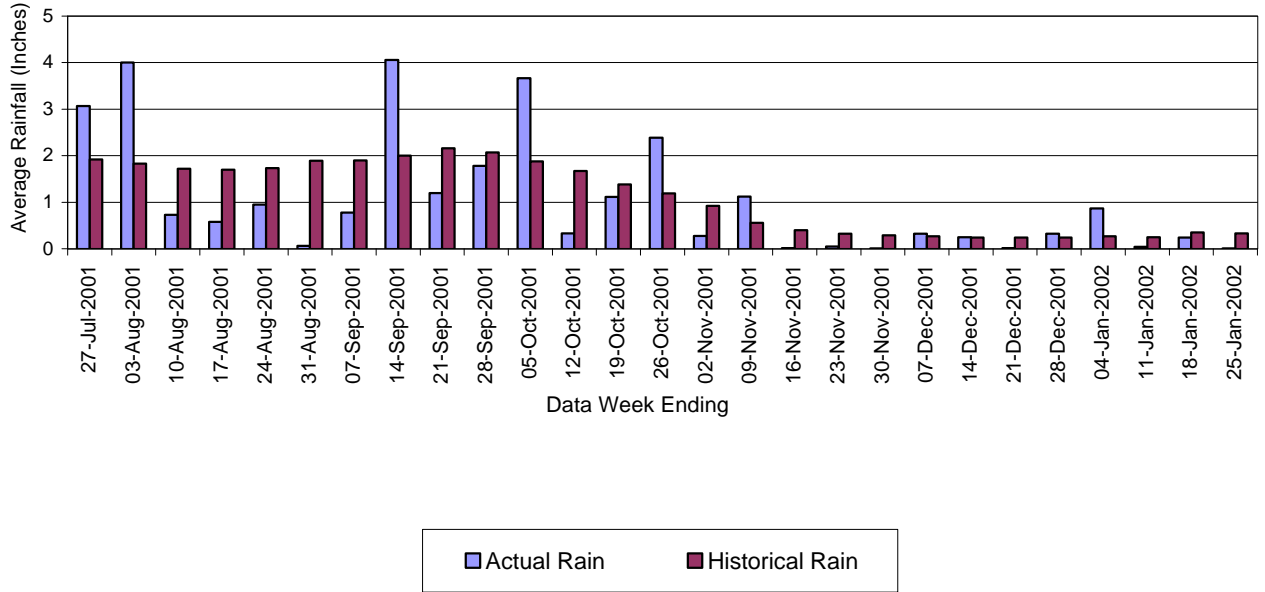
Shark River Slough Actual vs. Historical Rainfall



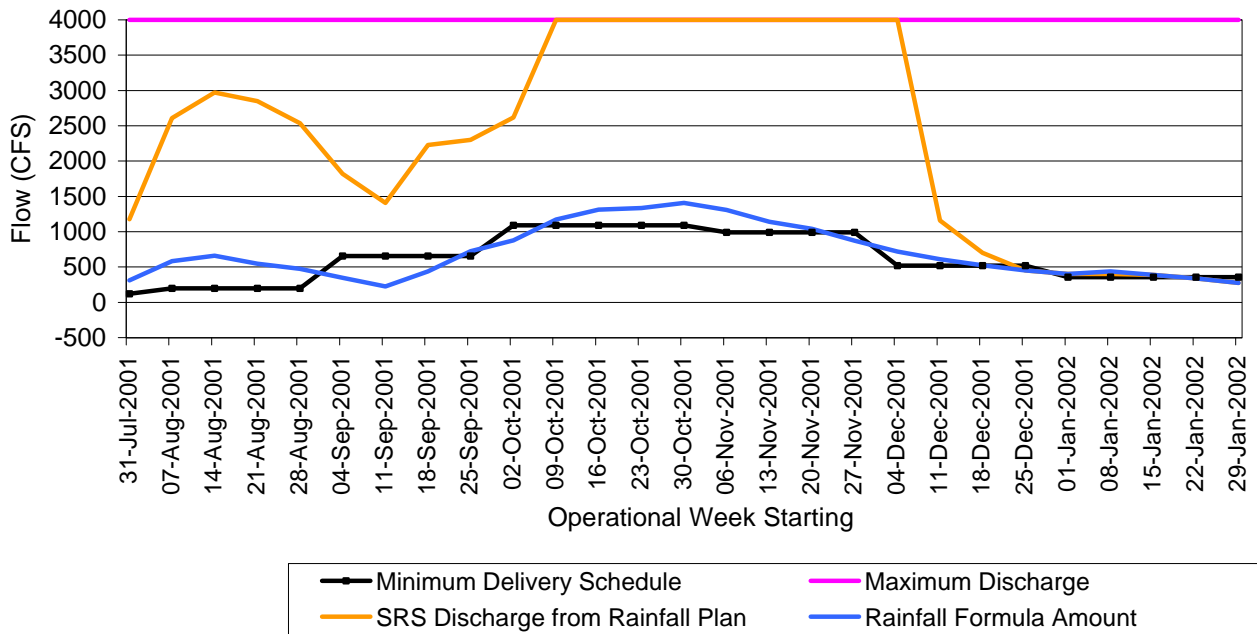
Deliveries to Shark River Slough Computed by Rainfall Plan



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 5, 2002 to February 11, 2002 204 cfs

S-12 Discharge 92 cfs
 S-333 Discharge 112 cfs

----- Data Summary ----- January 25, 2002 to February 1, 2002
 WCA-3A Stage (end of week) 10.21 ft. msl
 Angel's 5.40 ft. msl
 G3273 6.13 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	0.79
S-8	0.00	
S-9	0.01	
S-140	0.03	1.04
S-12D	0.01	
S-336	0.02	
ENP	0.05	M
Gage 63	0.00	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.01	0.92
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 0.08 feet
 Distance to Bottom of Regulatory Zone 0.54 feet

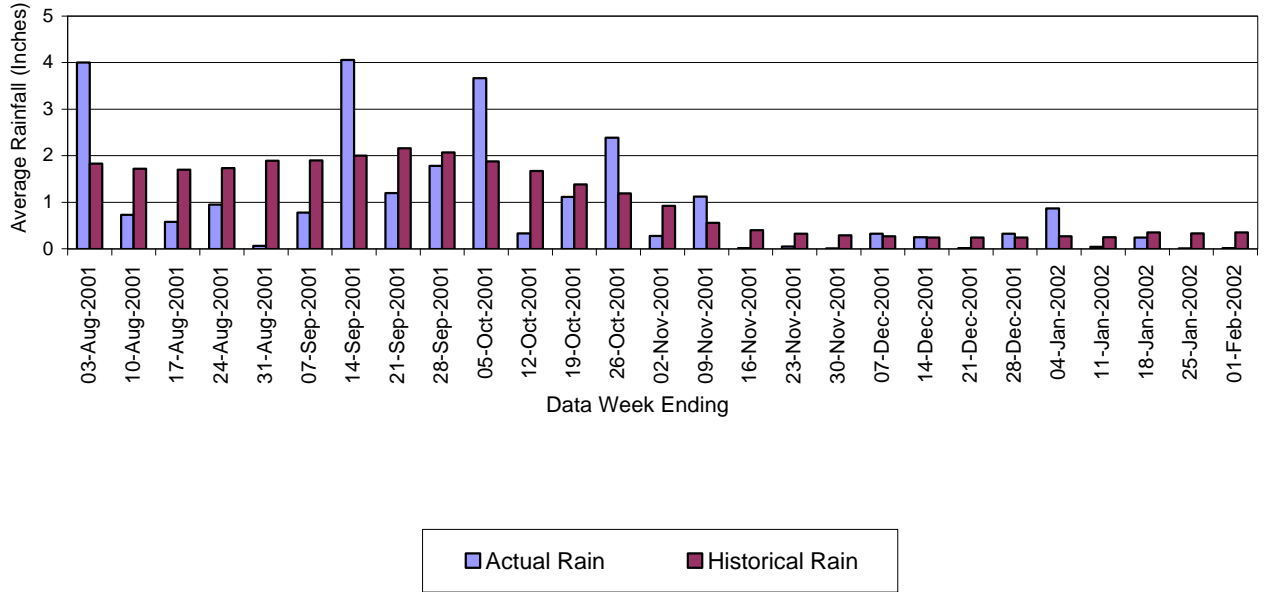
----- Statistical Parameters -----

Rainfall Formula Amount 204 cfs
 Last Week's Rainfall Formula 275 cfs
 Pre-Project Mean Discharge 130 cfs

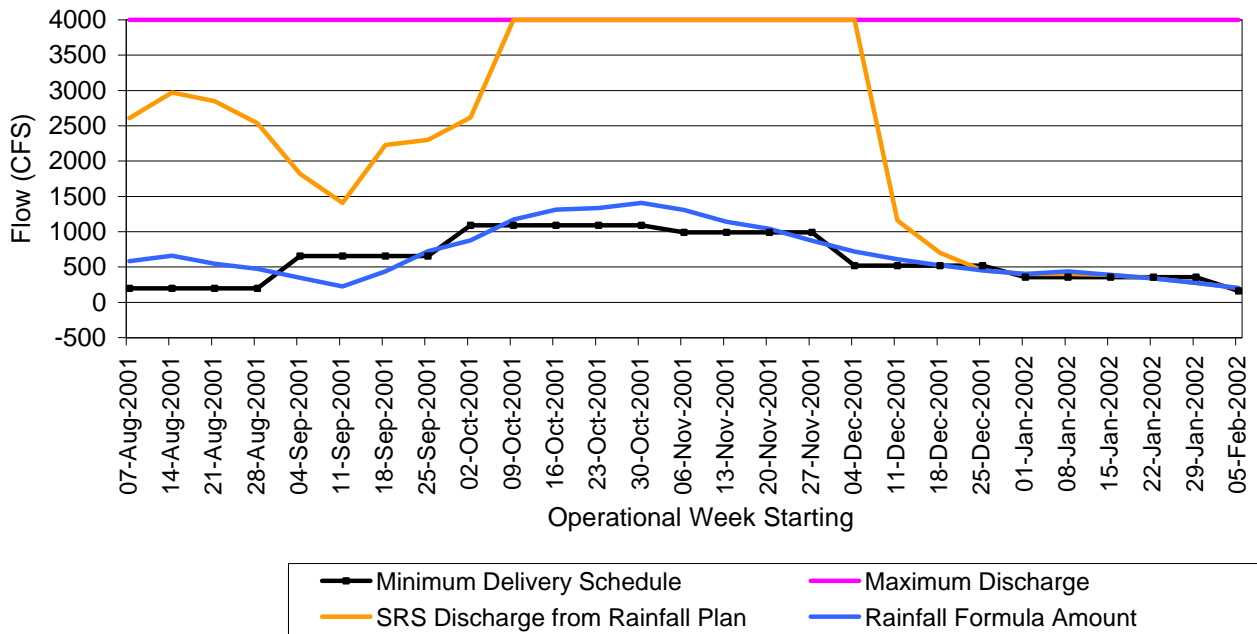
Rainfall Excess Terms
RL1 -0.83 RL2 0.58 RL3 -0.33

***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 12, 2002 to February 18, 2002 146 cfs

S-12 Discharge 66 cfs
 S-333 Discharge 80 cfs

----- Data Summary ----- February 1, 2002 to February 8, 2002
 WCA-3A Stage (end of week) 10.13 ft. msl
 Angel's 5.29 ft. msl
 G3273 5.93 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.23
S-8	0.00	
S-9	0.55	
S-140	0.00	1.11
S-12D	0.01	
S-336	0.38	
ENP	2.13	M
Gage 63	0.00	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.31	1.17
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 0.11 feet
 Distance to Bottom of Regulatory Zone 0.61 feet

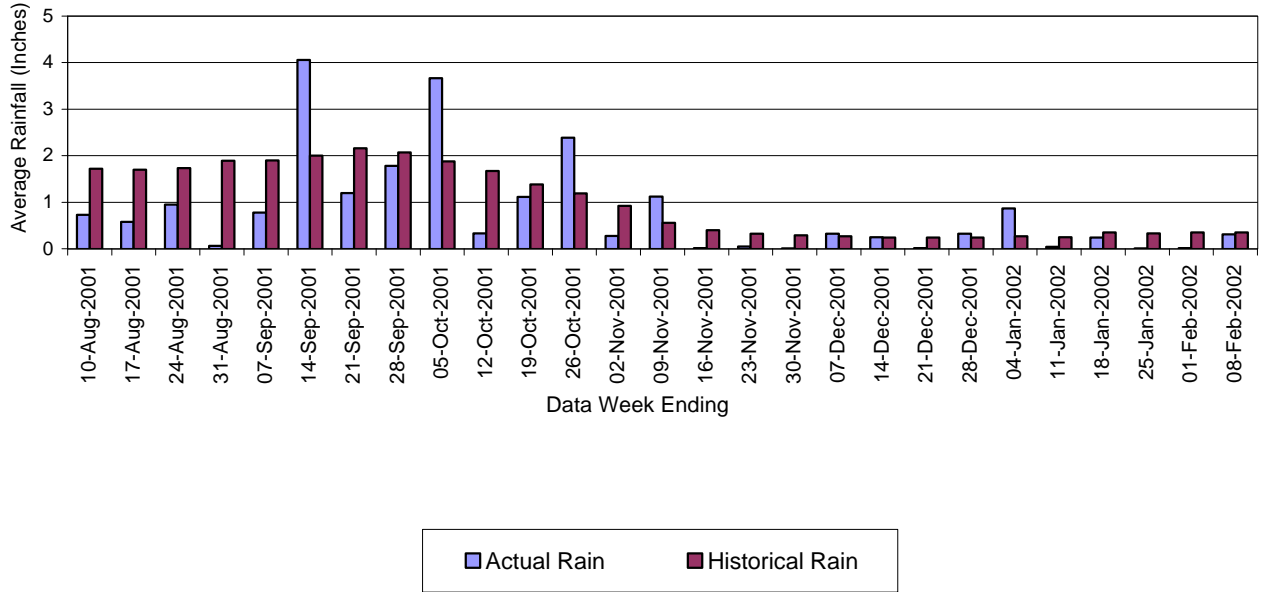
----- Statistical Parameters -----

Rainfall Formula Amount 146 cfs
 Last Week's Rainfall Formula 204 cfs
 Pre-Project Mean Discharge 110 cfs

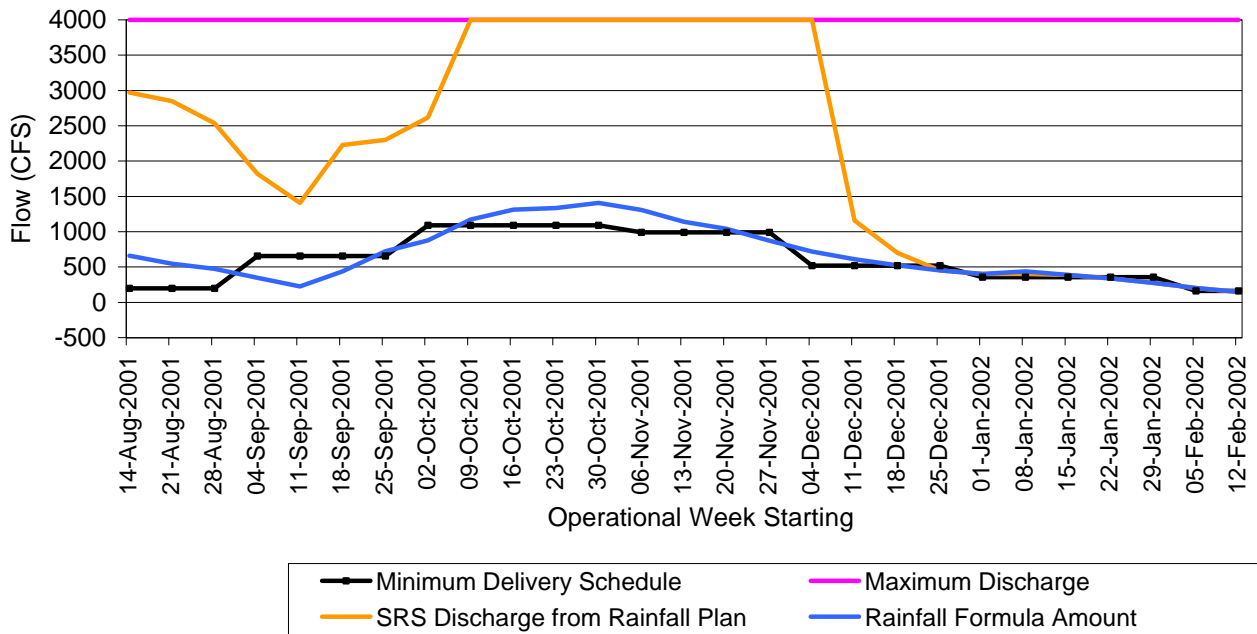
Rainfall Excess Terms
RL1 -0.59 RL2 0.03 RL3 0.03

***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 19, 2002 to February 25, 2002 **124 cfs**

S-12 Discharge 56 cfs
 S-333 Discharge 68 cfs

----- Data Summary ----- February 8, 2002 to February 15, 2002

WCA-3A Stage (end of week) 10.13 ft. msl
 Angel's 5.57 ft. msl
 G3273 6.25 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.16	0.96
S-8	1.21	
S-9	0.43	
S-140	1.19	0.93
S-12D	0.29	
S-336	0.32	
ENP	M	M
Gage 63	0.00	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.51	0.95
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 0.07 feet
 Distance to Bottom of Regulatory Zone 0.57 feet

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

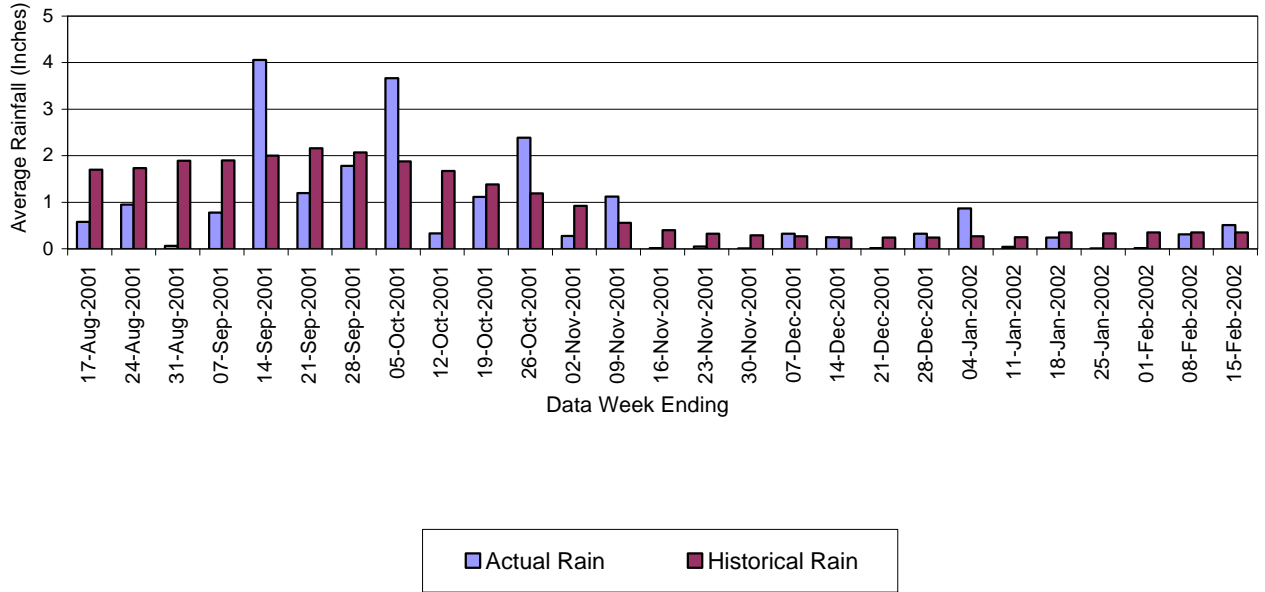
Rainfall Formula Amount 124 cfs
 Last Week's Rainfall Formula 146 cfs
 Pre-Project Mean Discharge 88 cfs

Rainfall Excess Terms

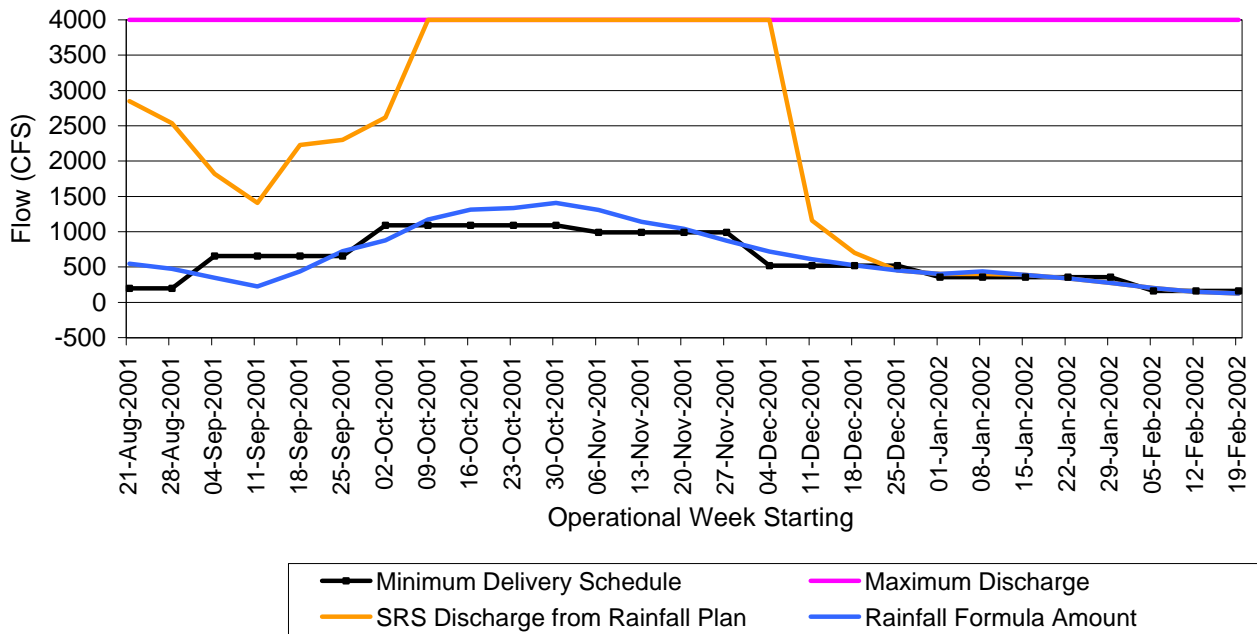
RL1 -0.01 RL2 -0.91 RL3 0.45

***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 26, 2002 to March 4, 2002 177 cfs

S-12 Discharge 80 cfs
 S-333 Discharge 98 cfs

----- Data Summary ----- February 15, 2002 to February 22, 2002
 WCA-3A Stage (end of week) 10.05 ft. msl
 Angel's 5.19 ft. msl
 G3273 6.00 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	2.73	0.63
S-8	2.48	
S-9	0.37	
S-140	2.40	0.73
S-12D	0.05	
S-336	0.19	
ENP	0.19	0.55
Gage 63	0.00	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.84	0.64
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 0.10 feet
 Distance to Bottom of Regulatory Zone 0.60 feet

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

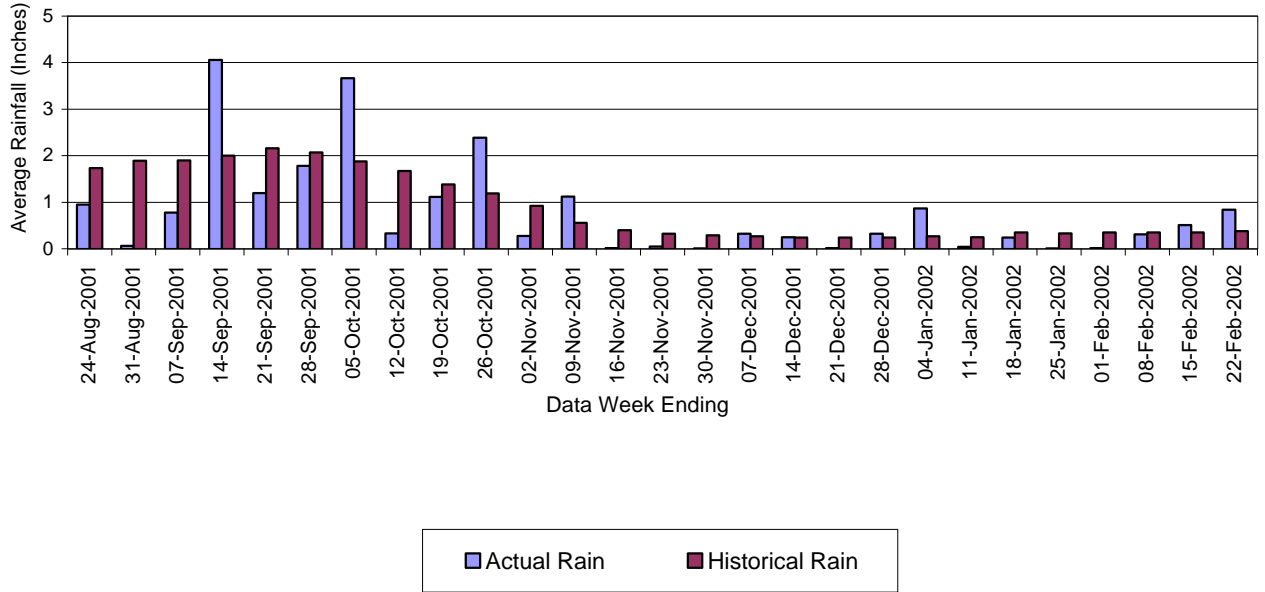
Rainfall Formula Amount 177 cfs
 Last Week's Rainfall Formula 124 cfs
 Pre-Project Mean Discharge 69 cfs

Rainfall Excess Terms

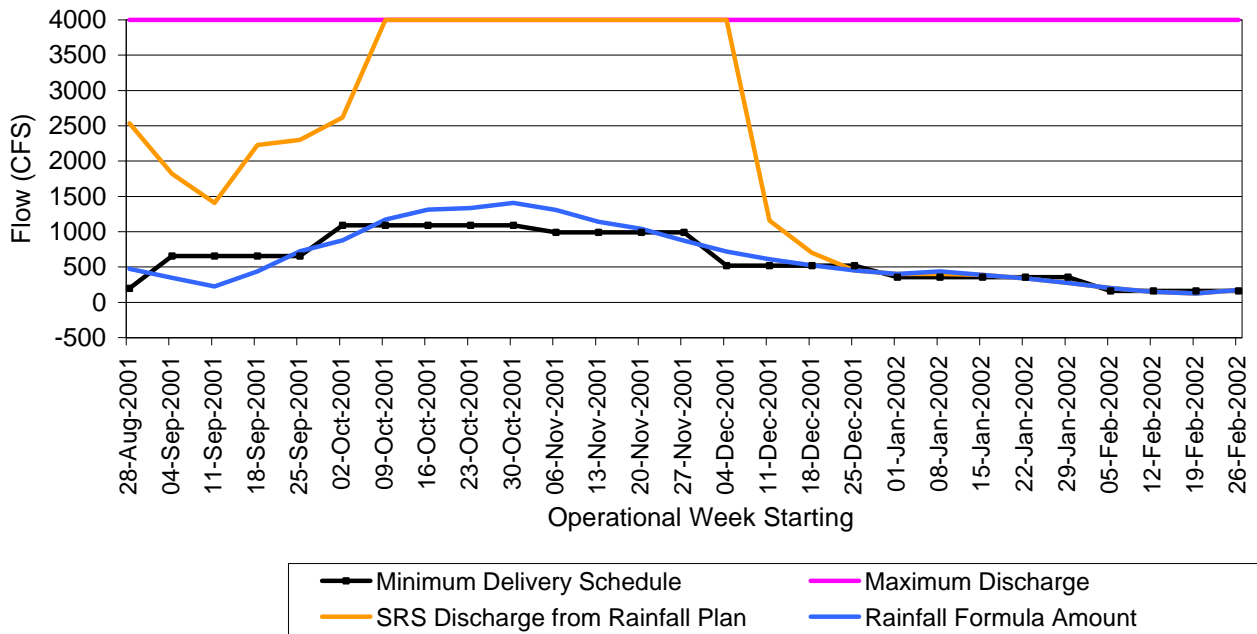
RL1	1.03	RL2	-0.97	RL3	0.25
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***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow **March 5, 2002 to March 11, 2002** **250 cfs**

S-12 Discharge 112 cfs
 S-333 Discharge 137 cfs

----- **Data Summary** ----- **February 22, 2002 to March 1, 2002**

WCA-3A Stage (end of week)	10.07	ft. msl
Angel's	5.56	ft. msl
G3273	6.25	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.00	1.04
S-8	0.56	
S-9	1.20	
S-140	0.72	1.19
S-12D	0.71	
S-336	1.18	
ENP	2.79	0.72
Gage 63	0.00	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.82	0.98
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	0.03 feet
Distance to Bottom of Regulatory Zone	0.53 feet

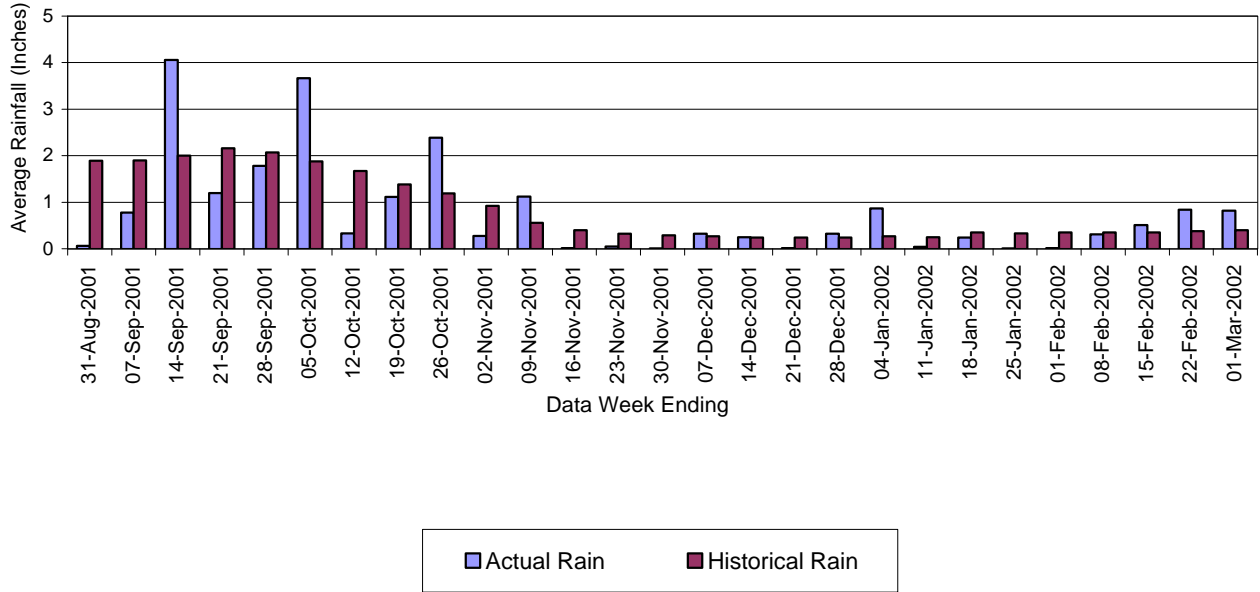
----- **Statistical Parameters** -----

Rainfall Formula Amount	250 cfs
Last Week's Rainfall Formula	177 cfs
Pre-Project Mean Discharge	50 cfs

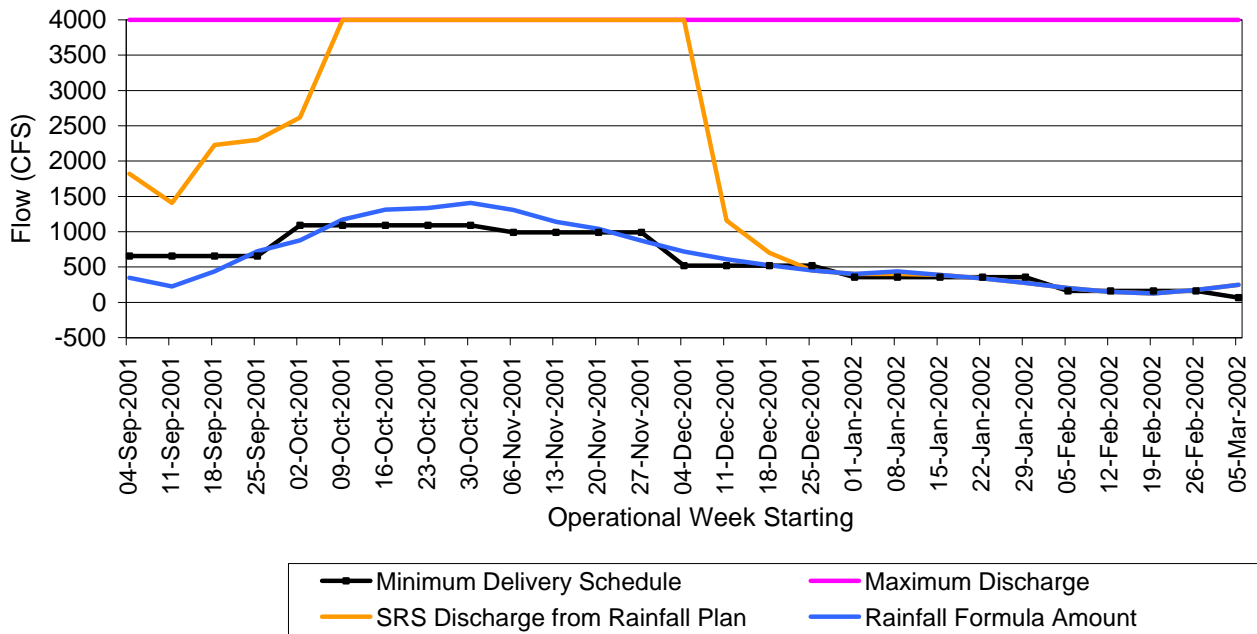
Rainfall Excess Terms	RL1 1.37	RL2 -0.84	RL3 0.58
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***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow March 12, 2002 to March 18, 2002 282 cfs

S-12 Discharge 127 cfs
 S-333 Discharge 155 cfs

----- Data Summary ----- March 1, 2002 to March 8, 2002
 WCA-3A Stage (end of week) 9.95 ft. msl
 Angel's 5.44 ft. msl
 G3273 6.29 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.27	1.05
S-8	0.74	
S-9	0.14	
S-140	1.54	0.93
S-12D	0.00	
S-336	1.97	
ENP	0.05	M
Gage 63	0.01	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.47	0.99
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 0.11 feet
 Distance to Bottom of Regulatory Zone 0.61 feet

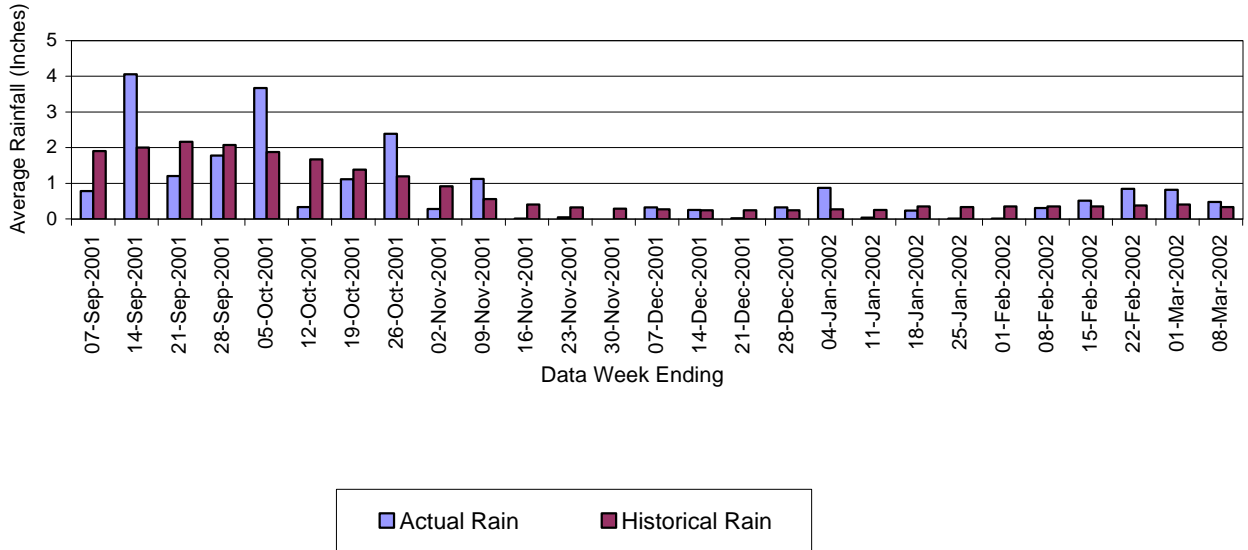
----- Statistical Parameters -----

Rainfall Formula Amount 282 cfs
 Last Week's Rainfall Formula 250 cfs
 Pre-Project Mean Discharge 35 cfs

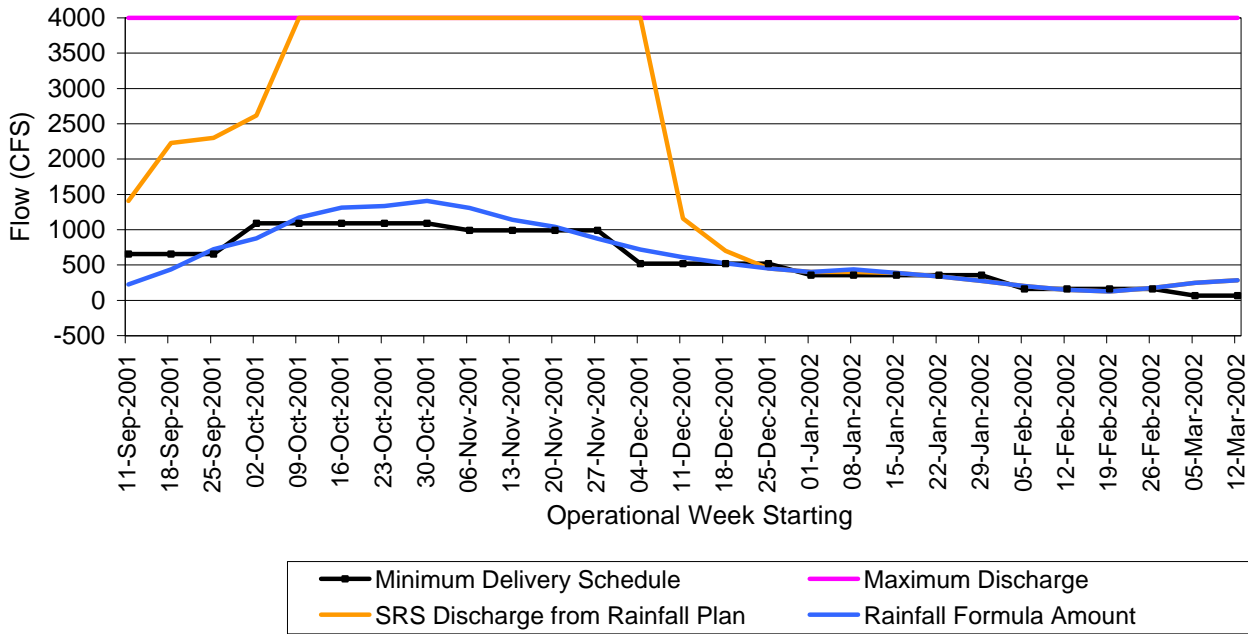
Rainfall Excess Terms
RL1 0.88 RL2 0.44 RL3 0.03

***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 March 19, 2002 to March 25, 2002 259 cfs

S-12 Discharge 117 cfs
 S-333 Discharge 142 cfs

----- Data Summary ----- March 8, 2002 to March 15, 2002
 WCA-3A Stage (end of week) 9.80 ft. msl
 Angel's 5.46 ft. msl
 G3273 6.14 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.02	1.16
S-8	0.00	
S-9	0.06	
S-140	0.01	1.77
S-12D	0.00	
S-336	0.01	
ENP	0.10	1.01
Gage 63	0.52	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.07	1.31
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 0.21 feet
 Distance to Bottom of Regulatory Zone 0.71 feet

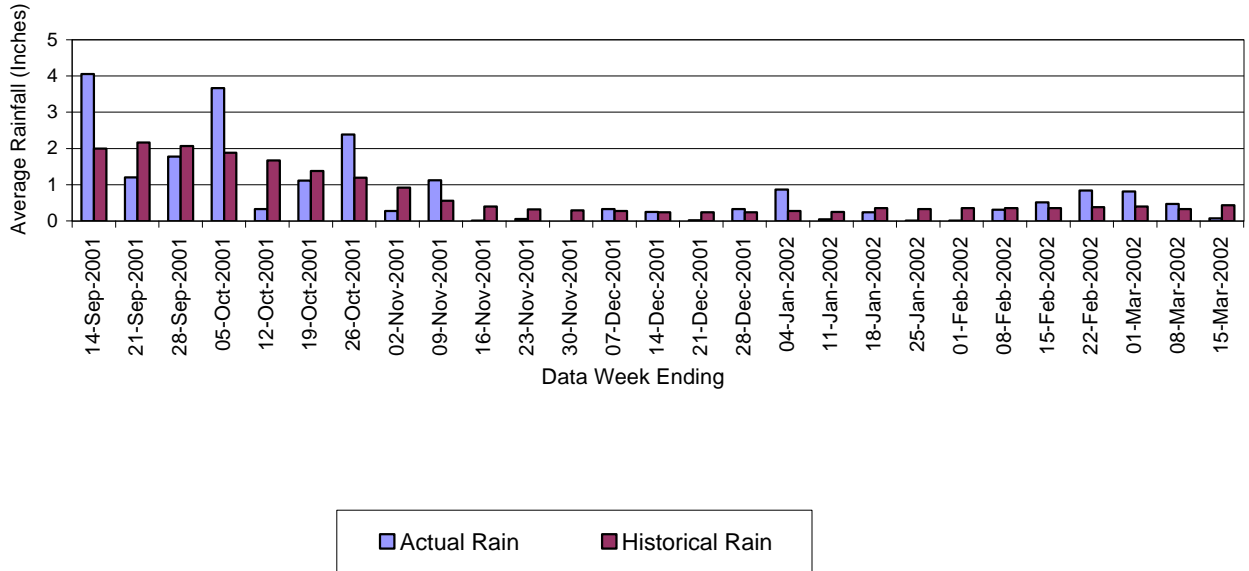
----- Statistical Parameters -----

Rainfall Formula Amount 259 cfs
 Last Week's Rainfall Formula 282 cfs
 Pre-Project Mean Discharge 25 cfs

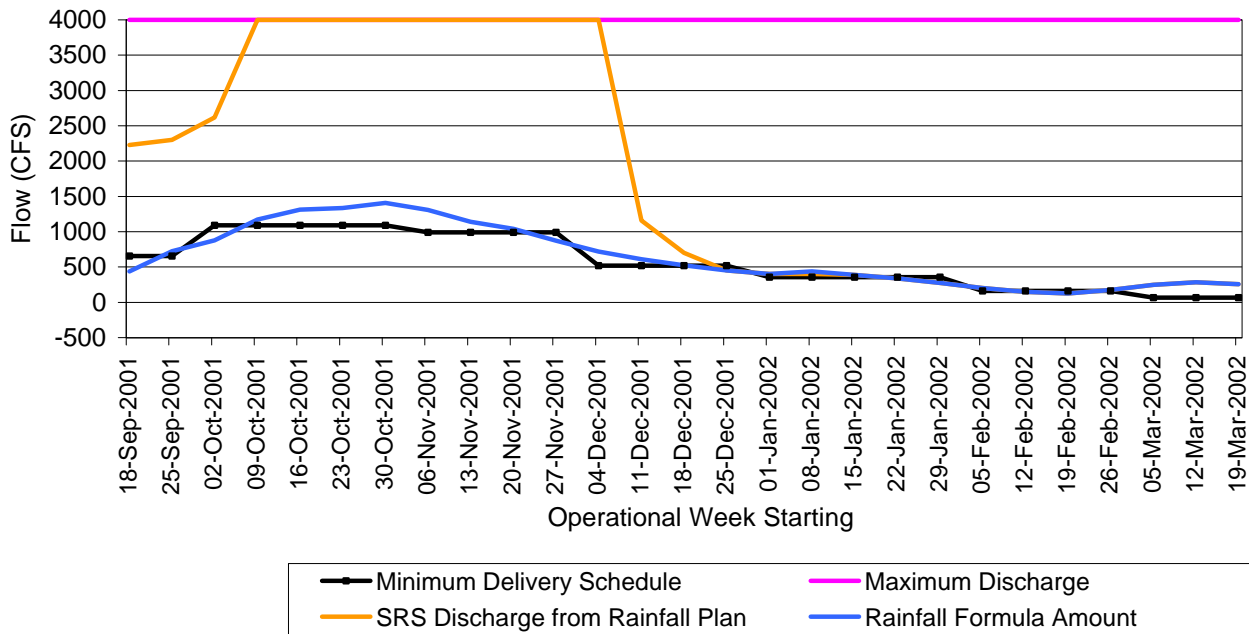
Rainfall Excess Terms
RL1 -0.05 RL2 1.35 RL3 -0.91

***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 March 26, 2002 to April 1, 2002 222 cfs

S-12 Discharge 100 cfs
 S-333 Discharge 122 cfs

----- Data Summary ----- March 15, 2002 to March 22, 2002
 WCA-3A Stage (end of week) 9.60 ft. msl
 Angel's 5.44 ft. msl
 G3273 6.08 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.82
S-8	0.00	
S-9	0.00	
S-140	0.00	1.80
S-12D	0.00	
S-336	0.00	
ENP	0.01	0.45
Gage 63	0.82	
Gage 64	0.59	
Gage 65	0.01	
This Week's Avg	0.14	1.36
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 0.36 feet
 Distance to Bottom of Regulatory Zone 0.86 feet

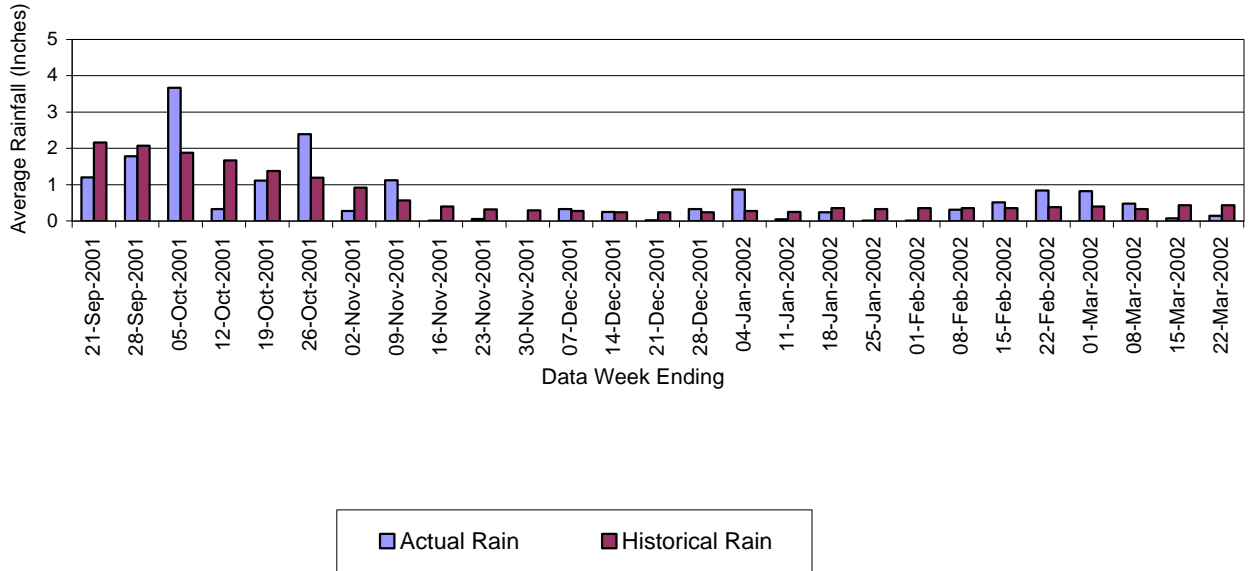
----- Statistical Parameters -----

Rainfall Formula Amount 222 cfs
 Last Week's Rainfall Formula 259 cfs
 Pre-Project Mean Discharge 26 cfs

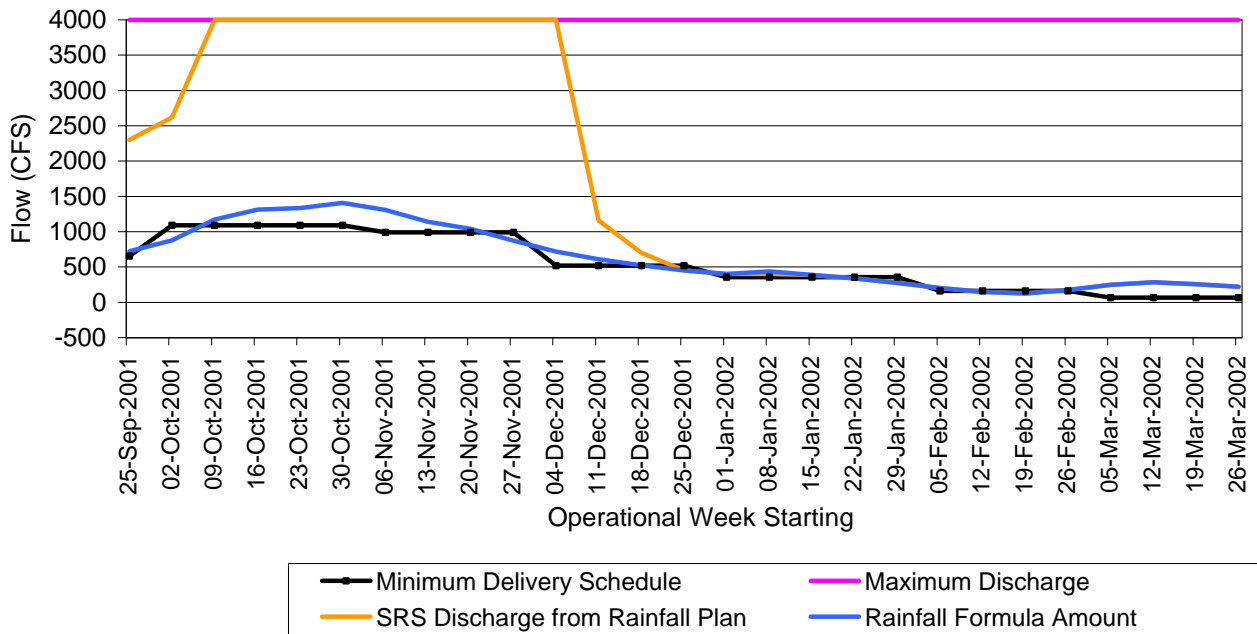
Rainfall Excess Terms
 RL1 -0.66 RL2 1.90 RL3 -0.97

***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 April 2, 2002 to April 8, 2002 228 cfs

S-12 Discharge 103 cfs
 S-333 Discharge 125 cfs

----- Data Summary ----- March 22, 2002 to March 29, 2002
 WCA-3A Stage (end of week) 9.49 ft. msl
 Angel's 5.58 ft. msl
 G3273 6.17 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.03	1.65
S-8	1.03	
S-9	0.06	
S-140	0.24	0.67
S-12D	0.06	
S-336	0.17	
ENP	0.15	0.10
Gage 63	0.00	
Gage 64	2.03	
Gage 65	0.63	
This Week's Avg	0.44	0.81
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 0.43 feet
 Distance to Bottom of Regulatory Zone 0.93 feet

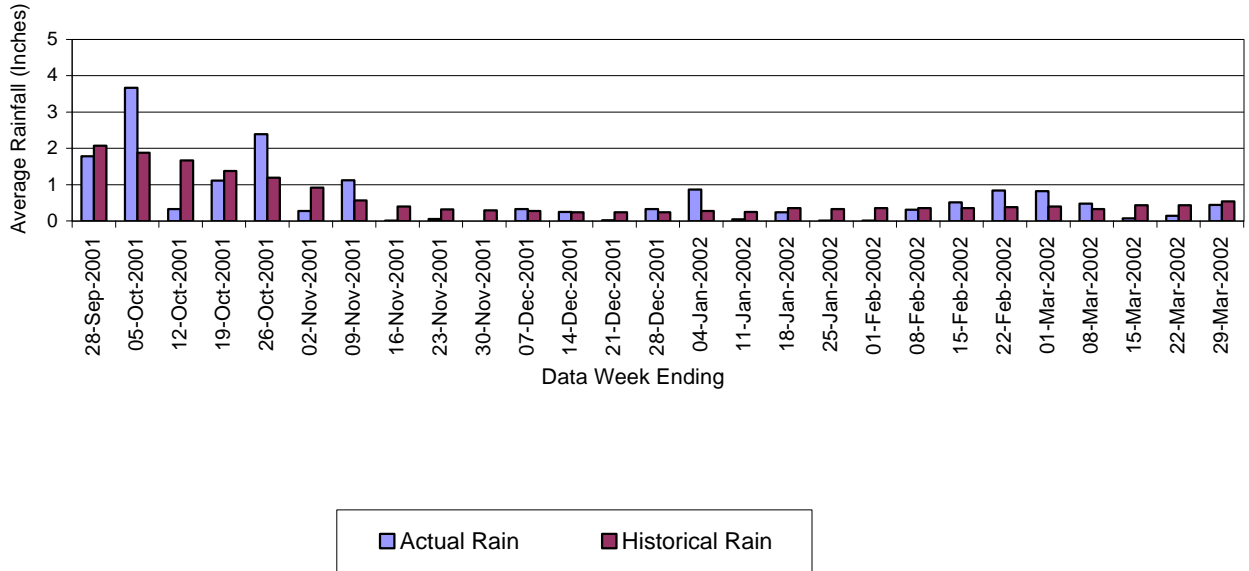
----- Statistical Parameters -----

Rainfall Formula Amount 228 cfs
 Last Week's Rainfall Formula 222 cfs
 Pre-Project Mean Discharge 31 cfs

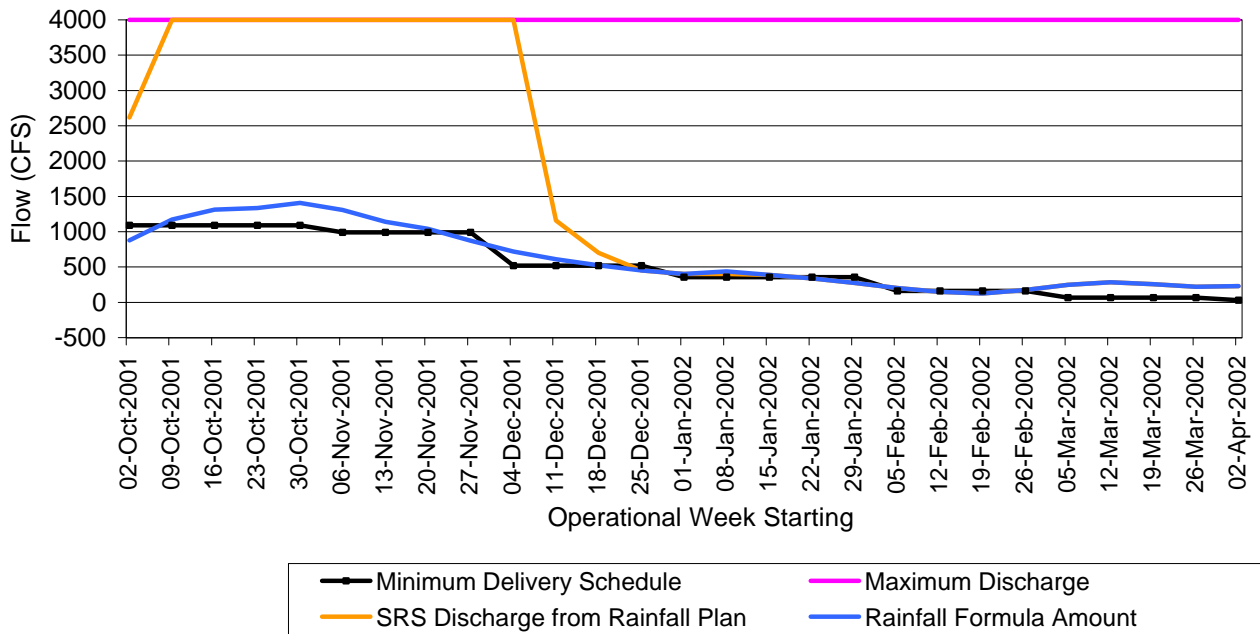
Rainfall Excess Terms
RL1 0.10 RL2 1.31 RL3 -0.84

***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 April 9, 2002 to April 15, 2002 243 cfs

S-12 Discharge 109 cfs
 S-333 Discharge 133 cfs

----- Data Summary ----- March 29, 2002 to April 5, 2002
 WCA-3A Stage (end of week) 9.39 ft. msl
 Angel's 5.71 ft. msl
 G3273 6.27 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.53
S-8	0.07	
S-9	0.55	
S-140	0.13	1.66
S-12D	0.31	
S-336	0.65	
ENP	0.69	0.09
Gage 63	0.00	
Gage 64	M	
Gage 65	0.07	
This Week's Avg	0.27	1.09
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 0.48 feet
 Distance to Bottom of Regulatory Zone 0.98 feet

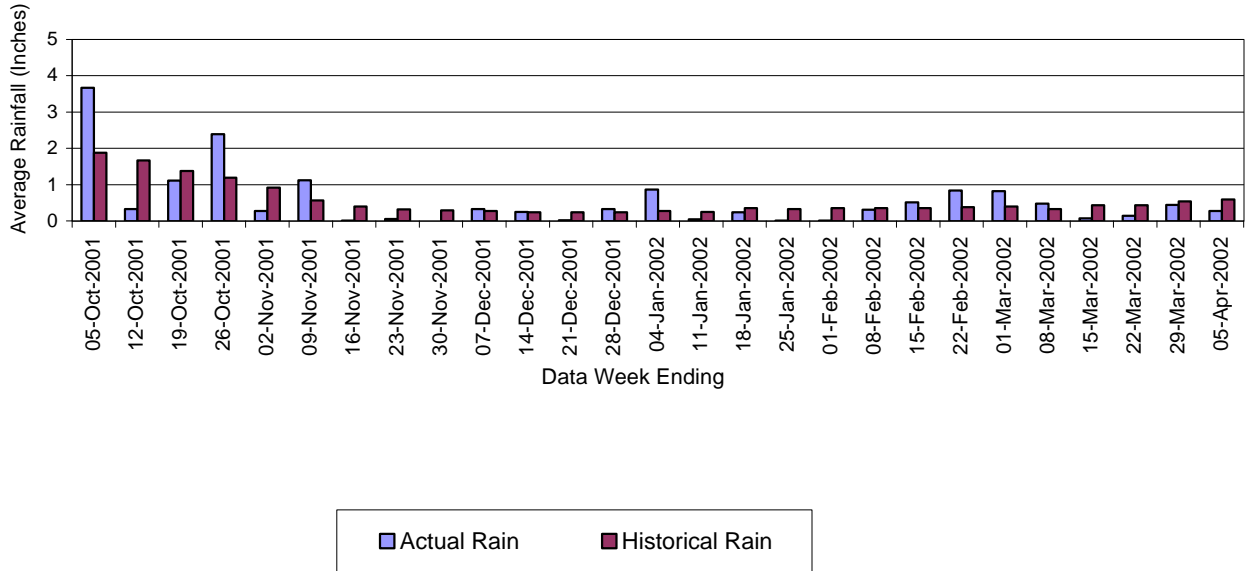
----- Statistical Parameters -----

Rainfall Formula Amount 243 cfs
 Last Week's Rainfall Formula 228 cfs
 Pre-Project Mean Discharge 32 cfs

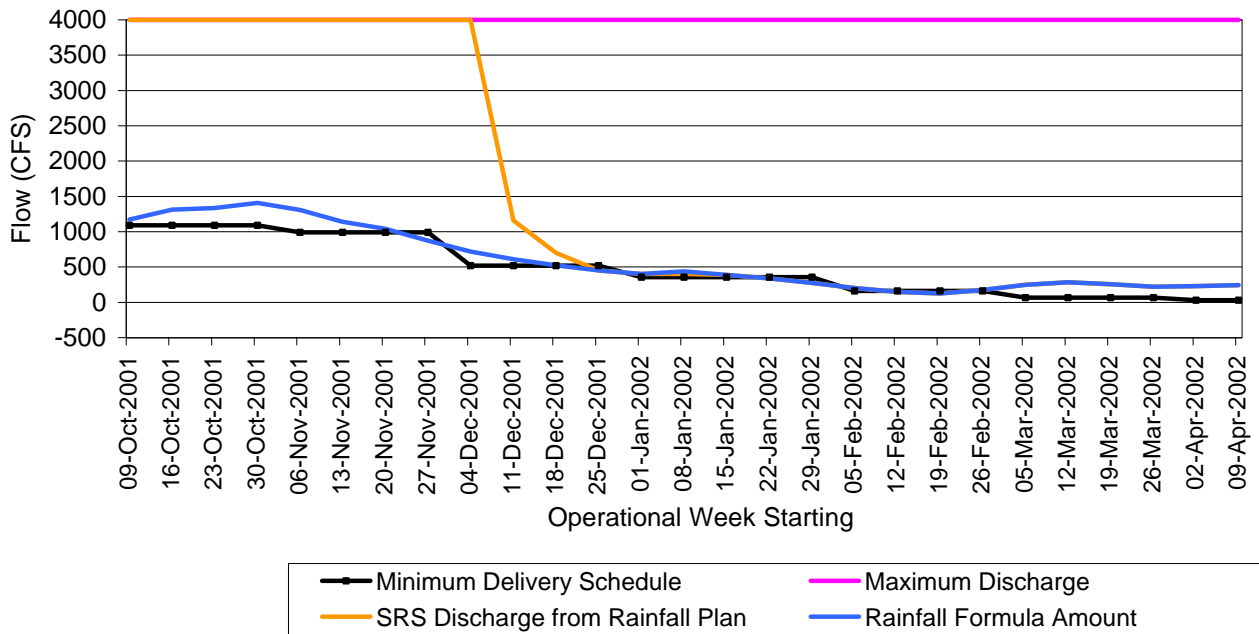
Rainfall Excess Terms
 RL1 0.37 RL2 0.21 RL3 0.44

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

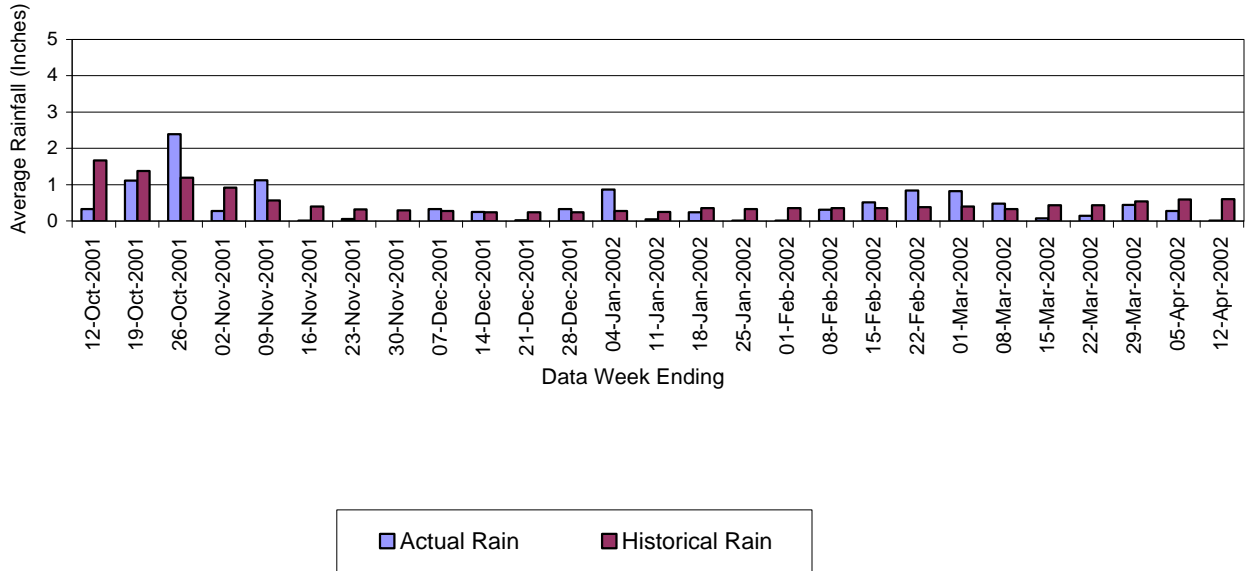
Shark River Slough Actual vs. Historical Rainfall



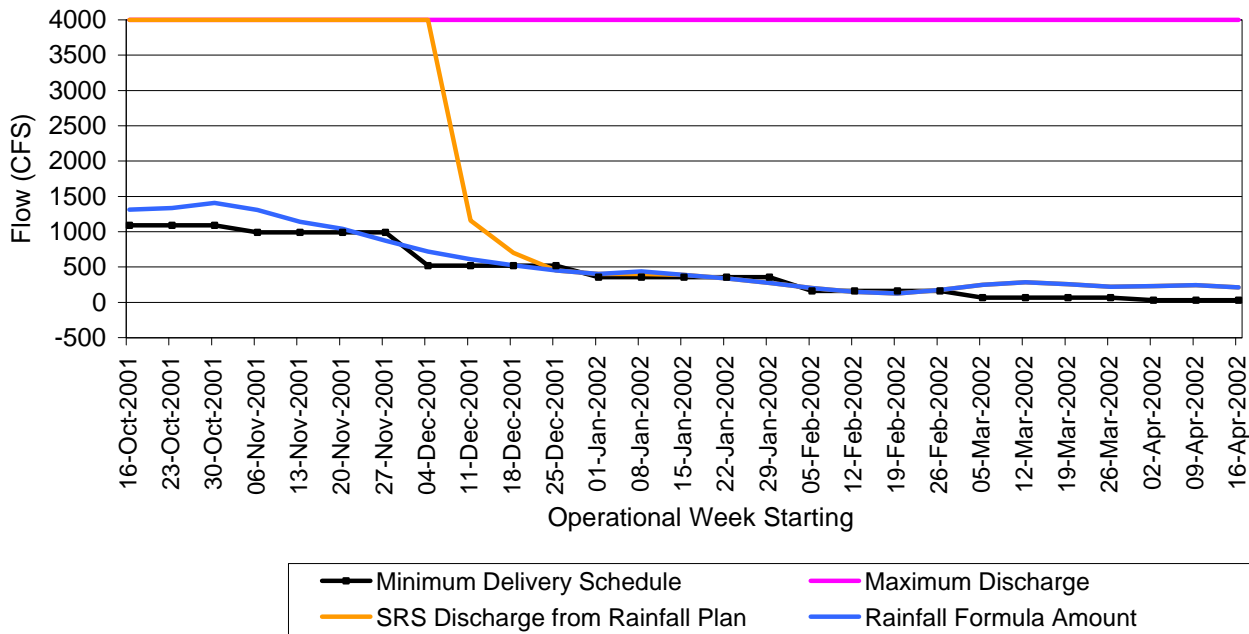
Deliveries to Shark River Slough Computed by Rainfall Plan



Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow April 23, 2002 to April 29, 2002 213 cfs

S-12 Discharge 96 cfs
 S-333 Discharge 117 cfs

----- Data Summary ----- April 12, 2002 to April 19, 2002
 WCA-3A Stage (end of week) 9.17 ft. msl
 Angel's 5.00 ft. msl
 G3273 5.75 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.86	1.58
S-8	0.85	
S-9	0.16	
S-140	1.48	1.60
S-12D	0.12	
S-336	0.00	
ENP	1.78	0.37
Gage 63	0.00	
Gage 64	0.01	
Gage 65	2.71	
This Week's Avg	0.90	1.18
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 0.61 feet
 Distance to Bottom of Regulatory Zone 1.11 feet

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

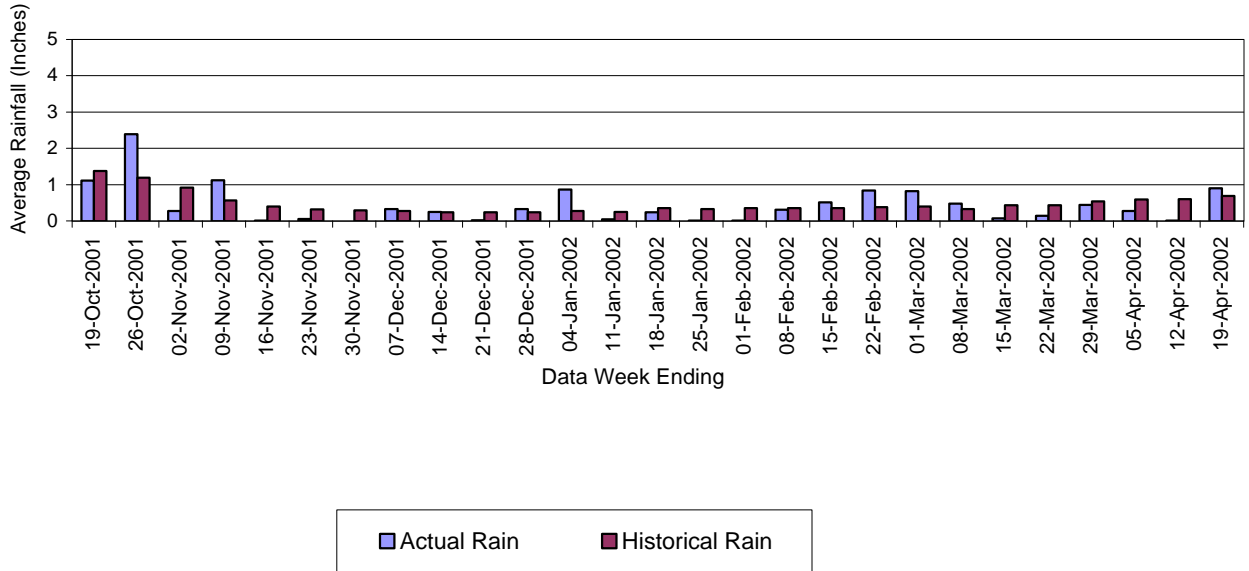
Rainfall Formula Amount 213 cfs
 Last Week's Rainfall Formula 211 cfs
 Pre-Project Mean Discharge 29 cfs

Rainfall Excess Terms

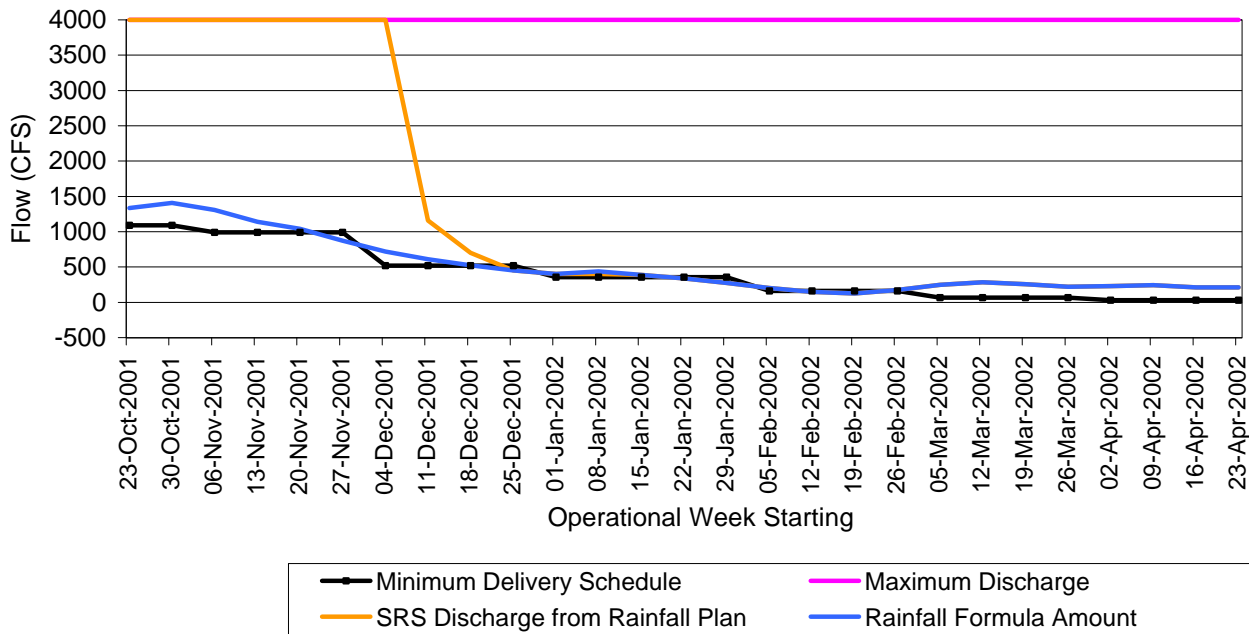
RL1	0.05	RL2	-0.29	RL3	1.90
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***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow April 30, 2002 to May 6, 2002 186 cfs

S-12 Discharge 84 cfs
 S-333 Discharge 102 cfs

----- **Data Summary** ----- **April 19, 2002 to April 26, 2002**
 WCA-3A Stage (end of week) 9.03 ft. msl
 Angel's 4.65 ft. msl
 G3273 5.30 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.92
S-8	0.00	
S-9	0.00	
S-140	0.00	1.30
S-12D	0.00	
S-336	0.00	
ENP	M	M
Gage 63	0.09	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.01	1.61
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 0.70 feet
 Distance to Bottom of Regulatory Zone 1.20 feet

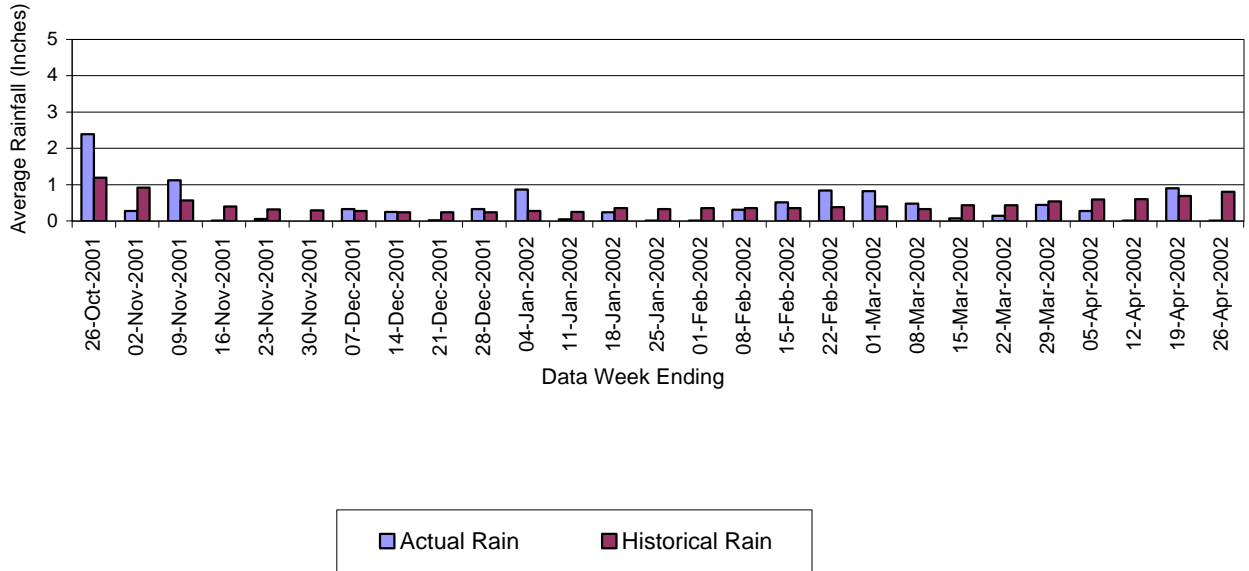
----- **Statistical Parameters** -----

Rainfall Formula Amount 186 cfs
 Last Week's Rainfall Formula 213 cfs
 Pre-Project Mean Discharge 24 cfs

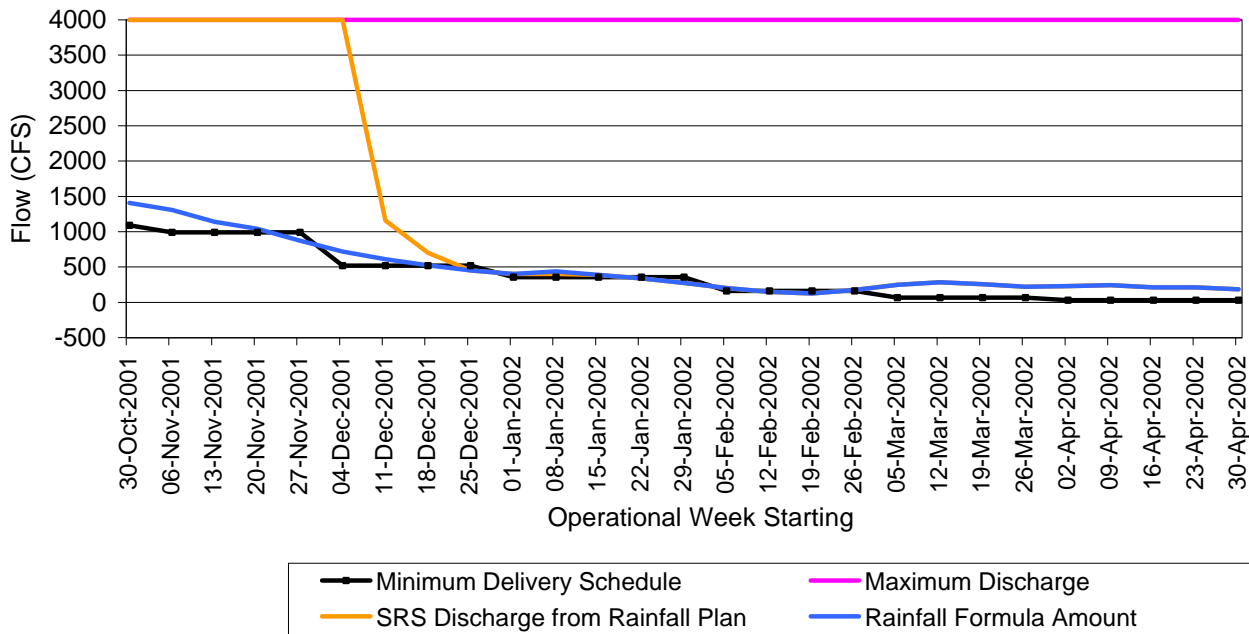
Rainfall Excess Terms
RL1 -0.32 RL2 -0.36 RL3 1.31

***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 **May 7, 2002 to May 13, 2002** **99 cfs**
 S-12 Discharge 44 cfs
 S-333 Discharge 54 cfs

----- Data Summary ----- **April 26, 2002 to May 3, 2002**
 WCA-3A Stage (end of week) 8.87 ft. msl
 Angel's 4.27 ft. msl
 G3273 4.86 ft. msl

Station	Rainfall (in)	Pan Evaporation (in)
S-7	0.00	1.13
S-8	0.00	
S-9	0.00	
S-140	0.00	M
S-12D	0.00	
S-336	0.00	
ENP	0.00	M
Gage 63	0.00	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.00	1.13
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 0.82 feet
 Distance to Bottom of Regulatory Zone 1.32 feet

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

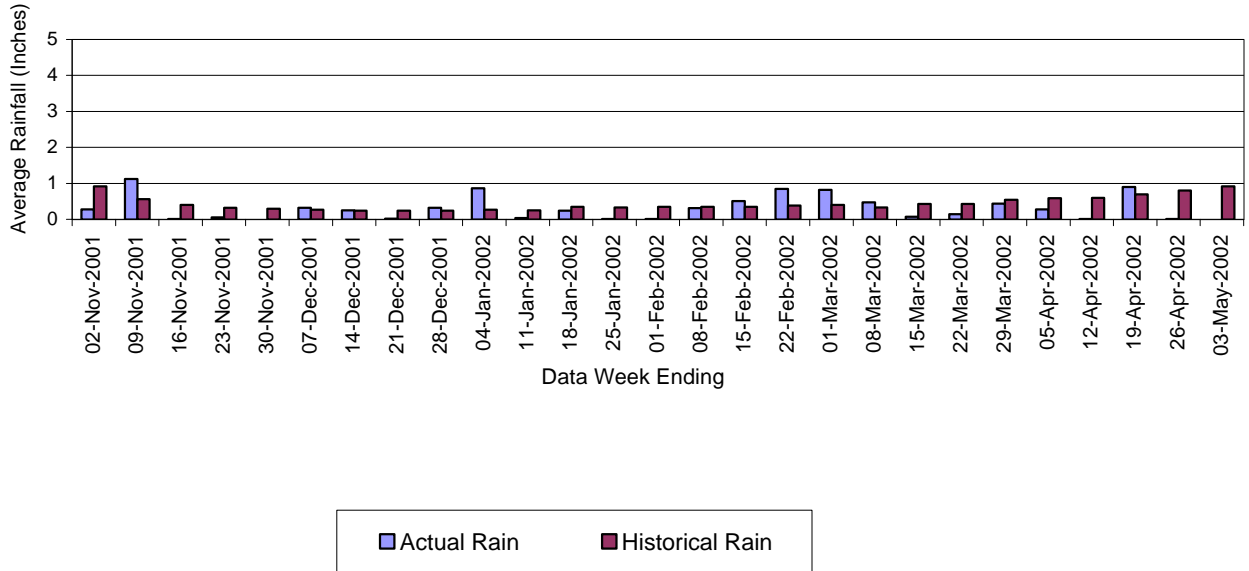
Rainfall Formula Amount 99 cfs
 Last Week's Rainfall Formula 186 cfs
 Pre-Project Mean Discharge 16 cfs

Rainfall Excess Terms
 RL1 -1.36 RL2 0.42 RL3 0.21

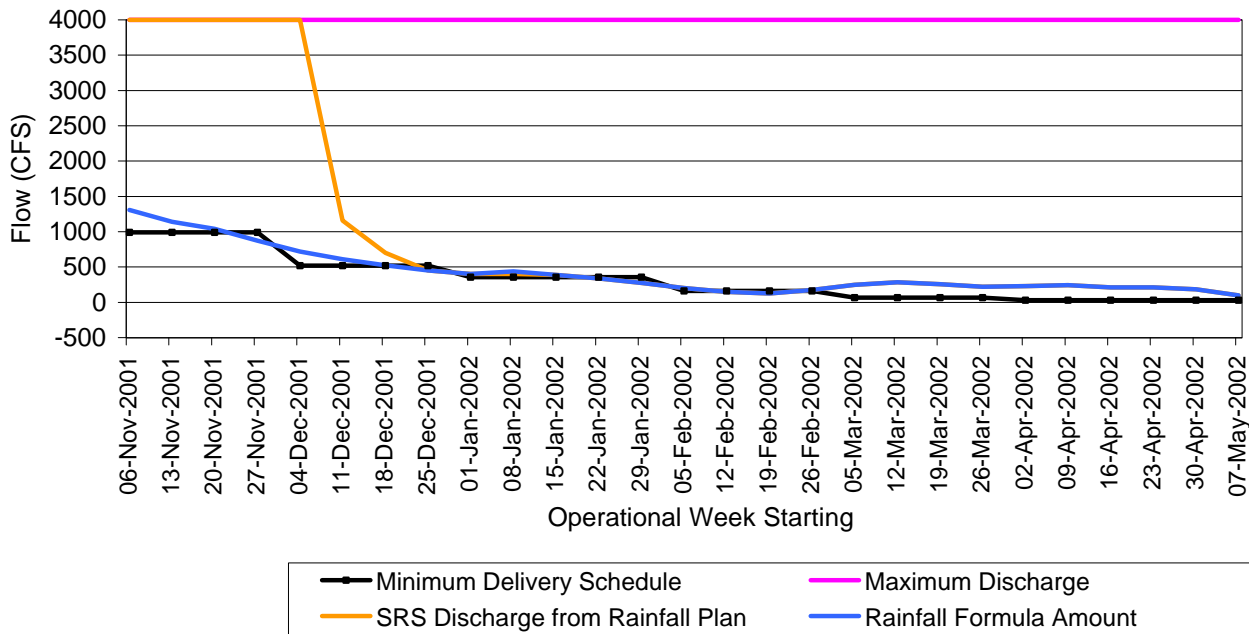
COMMENT: S-140 and ENP pan evaporation values are too low. Only S-7 (District) data was used.

***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 May 14, 2002 to May 20, 2002 0 cfs

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

----- **Data Summary** ----- May 3, 2002 to May 10, 2002

WCA-3A Stage (end of week) 8.70 ft. msl
 Angel's 3.90 ft. msl
 G3273 4.41 ft. msl

Station	Rainfall (in)	Pan Evaporation (in)
S-7	0.00	2.00
S-8	0.00	
S-9	0.00	
S-140	0.00	M
S-12D	0.00	
S-336	0.00	
ENP	0.00	M
Gage 63	0.00	
Gage 64	0.01	
Gage 65	0.00	
This Week's Avg	0.00	2.00
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 0.94 feet
 Distance to Bottom of Regulatory Zone 1.44 feet

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

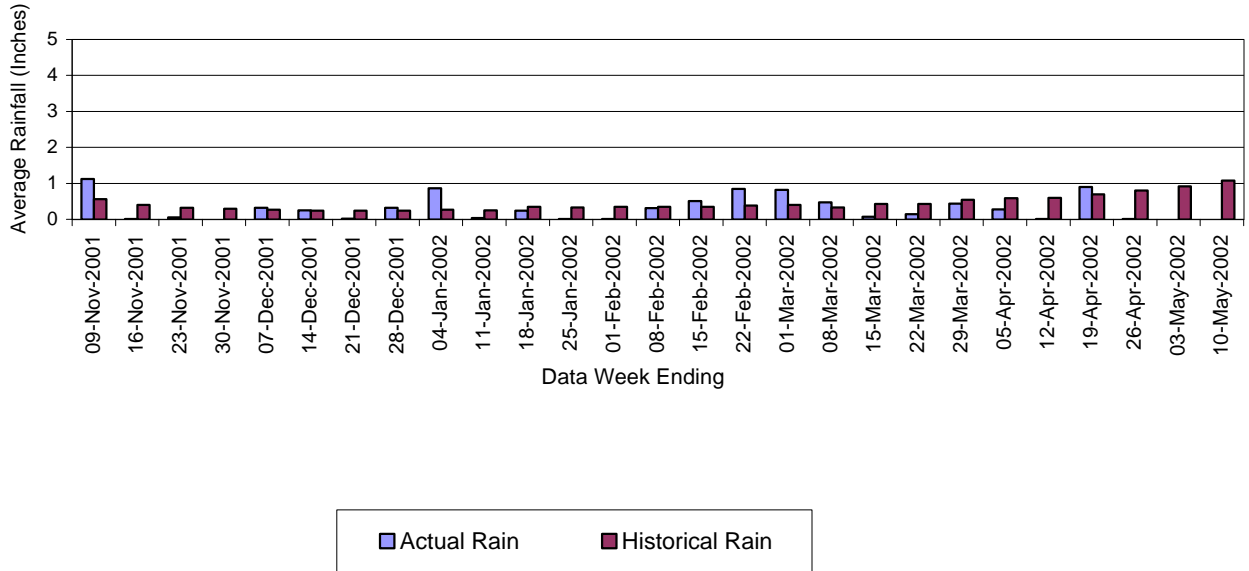
Rainfall Formula Amount -13 cfs
 Last Week's Rainfall Formula 99 cfs
 Pre-Project Mean Discharge 13 cfs

Rainfall Excess Terms
RL1 -1.94 RL2 -0.78 RL3 0.05

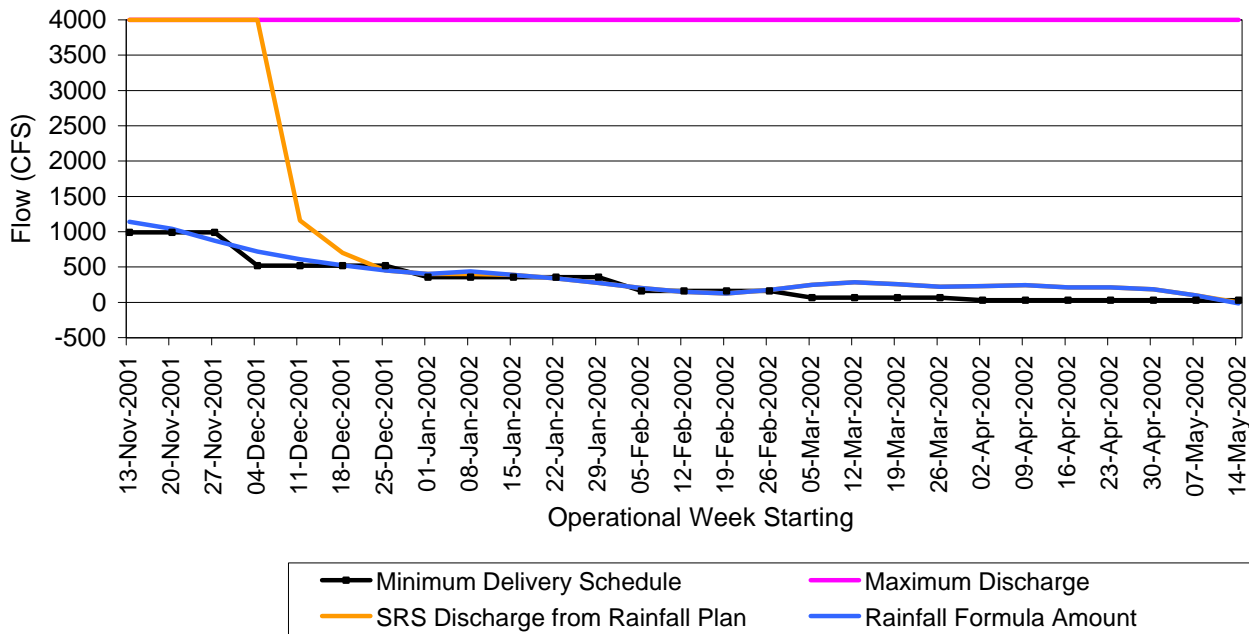
COMMENT: ENP pan evaporation is too low and marked missing.

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

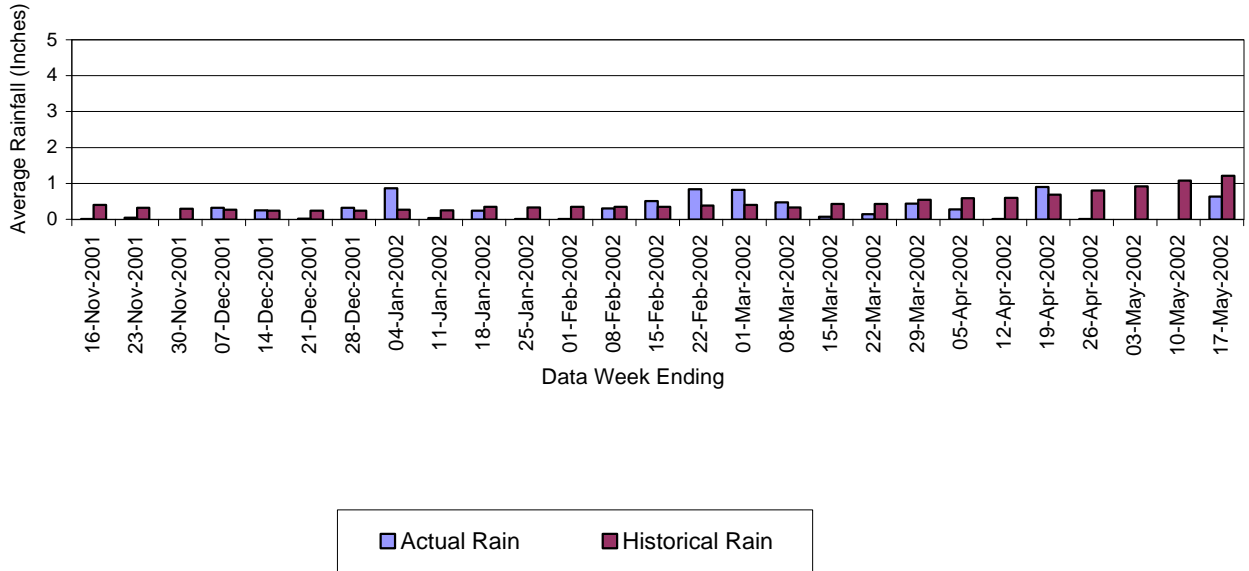
Shark River Slough Actual vs. Historical Rainfall



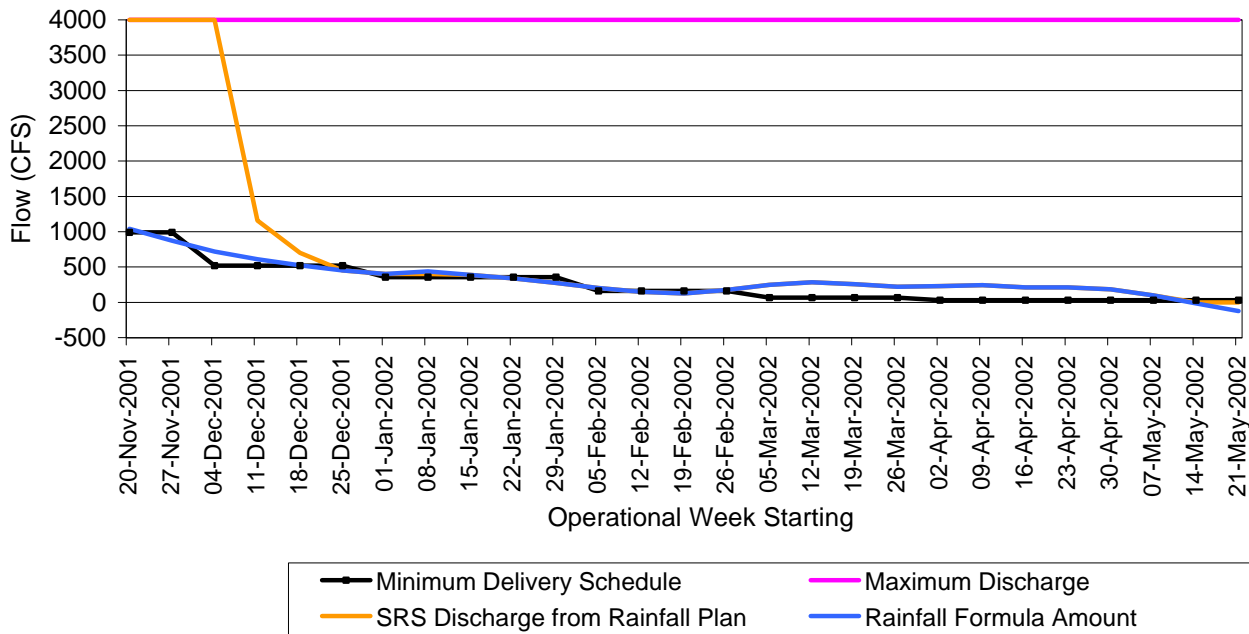
Deliveries to Shark River Slough Computed by Rainfall Plan



Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow	May 28, 2002 to June 3, 2002	0 cfs
S-12 Discharge		0 cfs
S-333 Discharge		0 cfs

----- Data Summary -----	May 17, 2002 to May 24, 2002
WCA-3A Stage (end of week)	8.72 ft. msl
Angel's	4.39 ft. msl
G3273	5.06 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.03	1.65
S-8	1.25	
S-9	1.35	
S-140	1.13	1.90
S-12D	1.07	
S-336	2.17	
ENP	0.33	M
Gage 63	0.84	
Gage 64	0.05	
Gage 65	2.68	
-----		-----
This Week's Avg	1.19	1.78
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	0.83 feet
Distance to Bottom of Regulatory Zone	1.33 feet

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

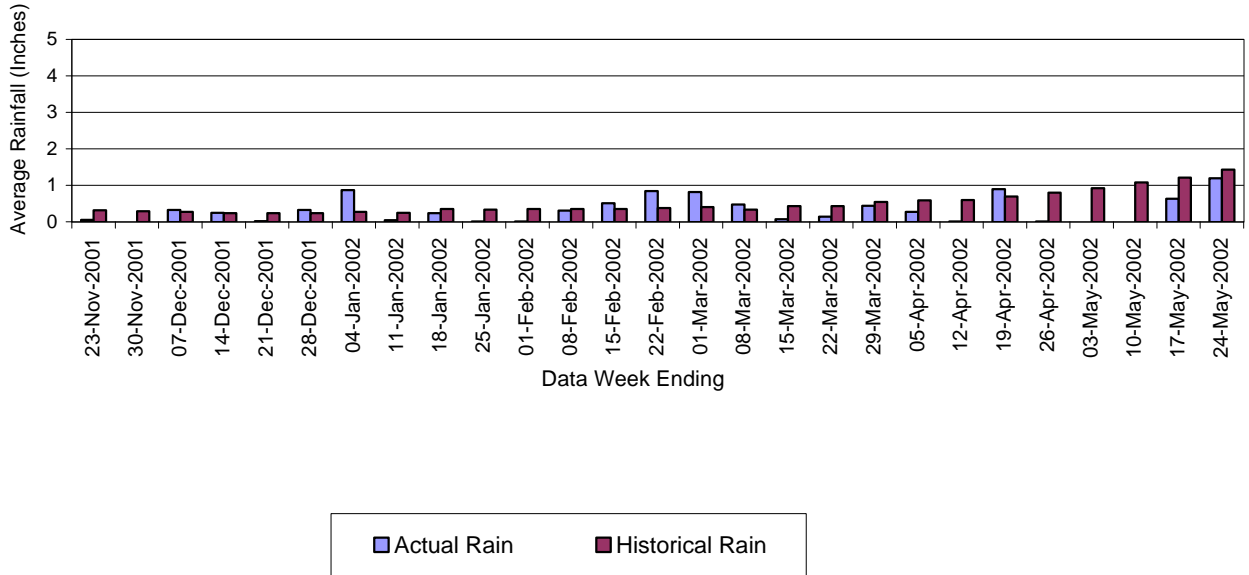
Rainfall Formula Amount	-166 cfs
Last Week's Rainfall Formula	-125 cfs
Pre-Project Mean Discharge	17 cfs

Rainfall Excess Terms	RL1 -1.15	RL2 -2.26	RL3 -0.36
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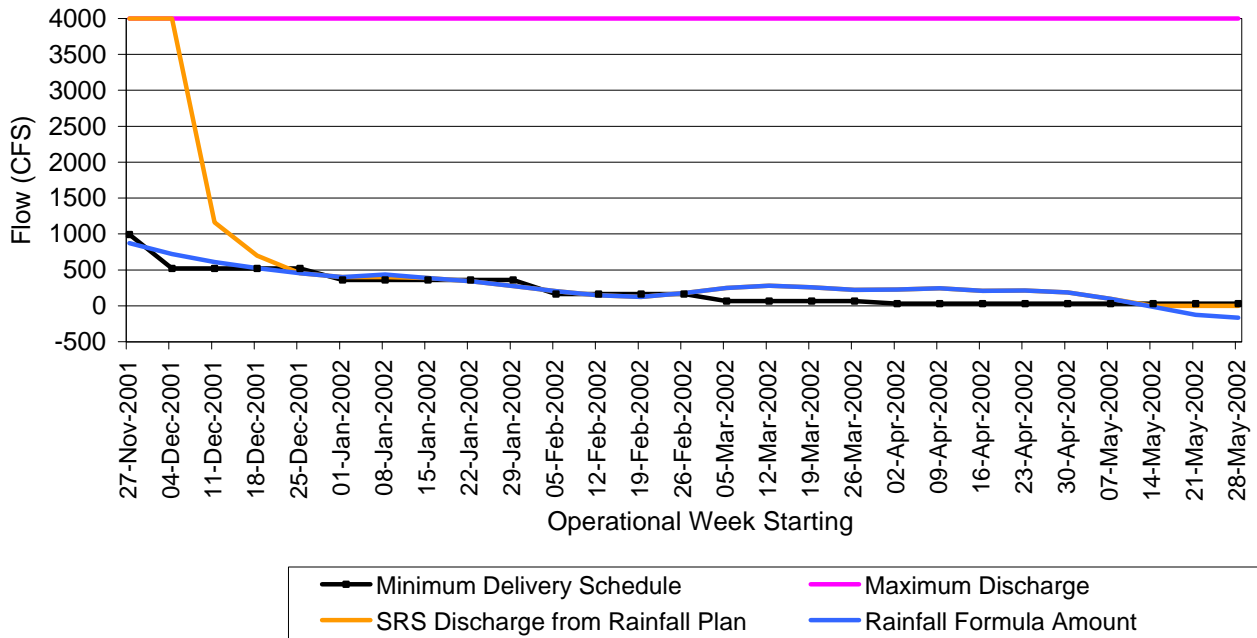
COMMENT: ENP pan evaporation is too low and marked missing.

***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	June 4, 2002 to June 10, 2002	0 cfs
S-12 Discharge		0 cfs
S-333 Discharge		0 cfs

----- Data Summary -----	May 24, 2002 to May 31, 2002	
WCA-3A Stage (end of week)	8.71	ft. msl
Angel's	4.92	ft. msl
G3273	5.23	ft. msl

Station	Rainfall (in)	Pan Evaporation (in)
S-7	0.37	1.79
S-8	3.19	
S-9	2.37	
S-140	1.28	2.37
S-12D	0.29	
S-336	1.62	
ENP	1.46	M
Gage 63	1.17	
Gage 64	1.09	
Gage 65	1.98	
This Week's Avg	1.48	2.08
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	0.79 feet
Distance to Bottom of Regulatory Zone	1.29 feet

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

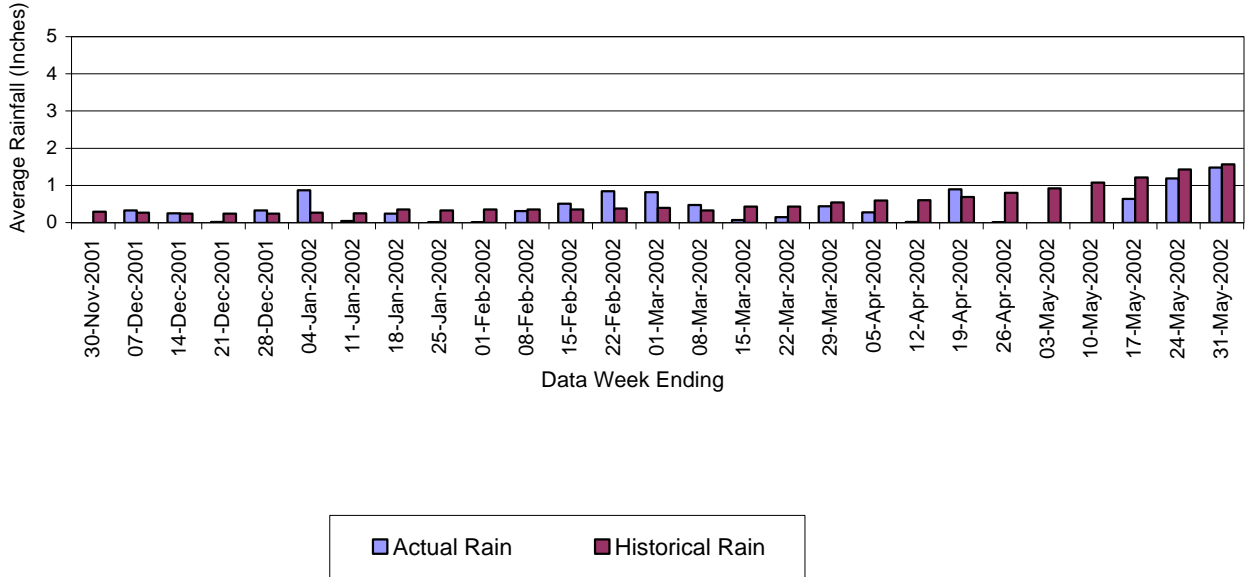
Rainfall Formula Amount	-180 cfs
Last Week's Rainfall Formula	-166 cfs
Pre-Project Mean Discharge	27 cfs

Rainfall Excess Terms	RL1 -0.84	RL2 -3.52	RL3 0.42
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COMMENT: ENP pan evaporation is too low and marked missing.

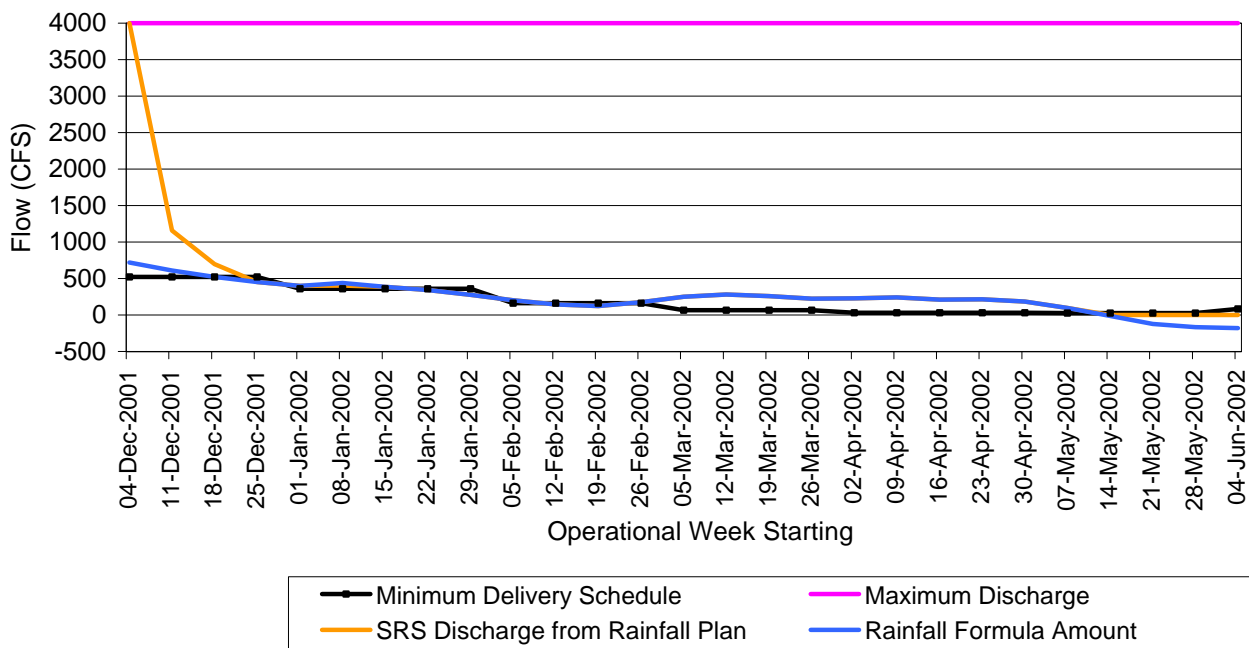
***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



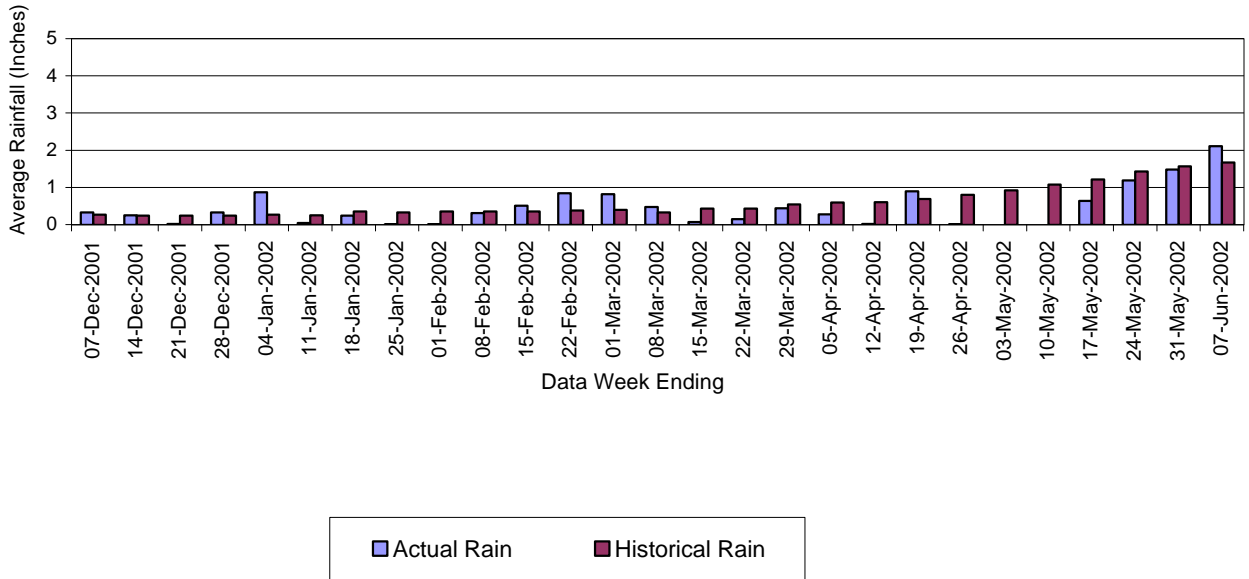
■ Actual Rain ■ Historical Rain

Deliveries to Shark River Slough Computed by Rainfall Plan

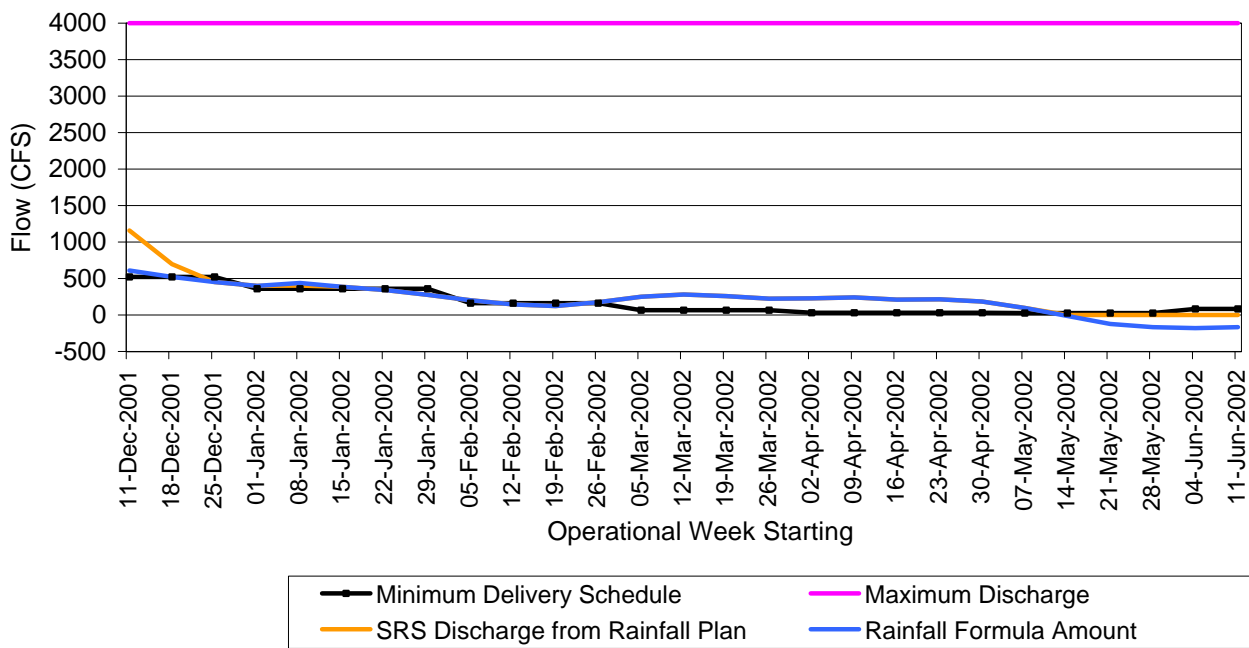


—●— Minimum Delivery Schedule — Maximum Discharge
— SRS Discharge from Rainfall Plan — Rainfall Formula Amount

Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow June 18, 2002 to June 24, 2002 23 cfs

S-12 Discharge 10 cfs
 S-333 Discharge 12 cfs

----- Data Summary ----- June 7, 2002 to June 14, 2002
 WCA-3A Stage (end of week) 9.24 ft. msl
 Angel's 6.12 ft. msl
 G3273 5.48 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	2.39	1.38
S-8	1.97	
S-9	5.67	
S-140	6.43	M
S-12D	0.89	
S-336	1.51	
ENP	2.78	M
Gage 63	4.45	
Gage 64	7.38	
Gage 65	4.39	
This Week's Avg	3.79	1.38
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 0.17 feet
 Distance to Bottom of Regulatory Zone 0.85 feet

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

Rainfall Formula Amount 23 cfs
 Last Week's Rainfall Formula -166 cfs
 Pre-Project Mean Discharge 54 cfs

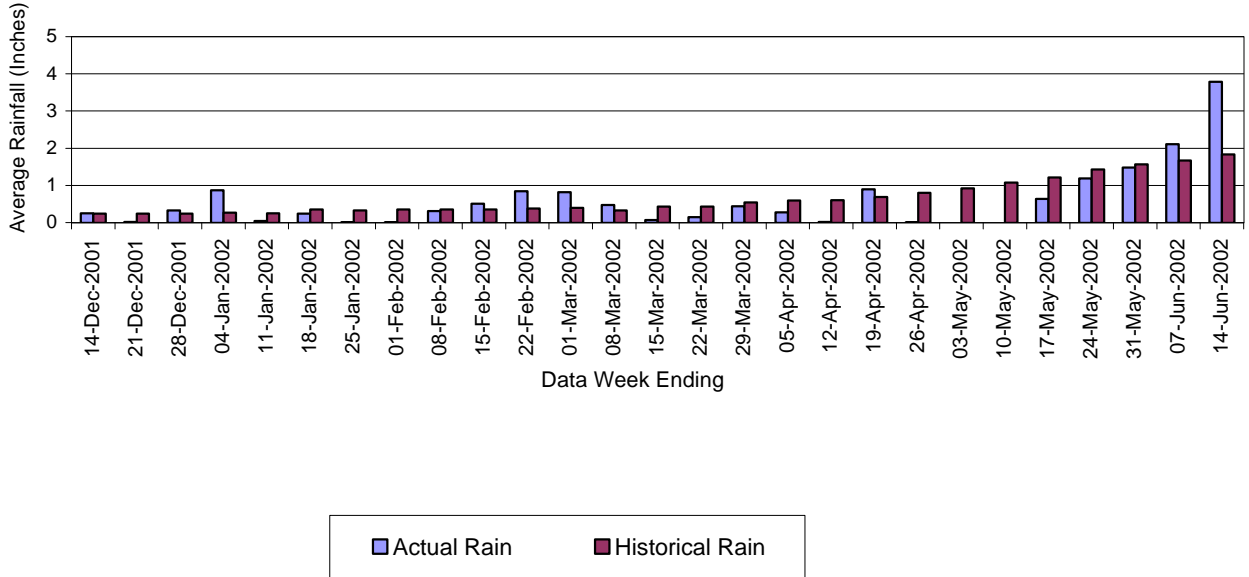
Rainfall Excess Terms

RL1	2.20	RL2	-3.00	RL3	-1.31
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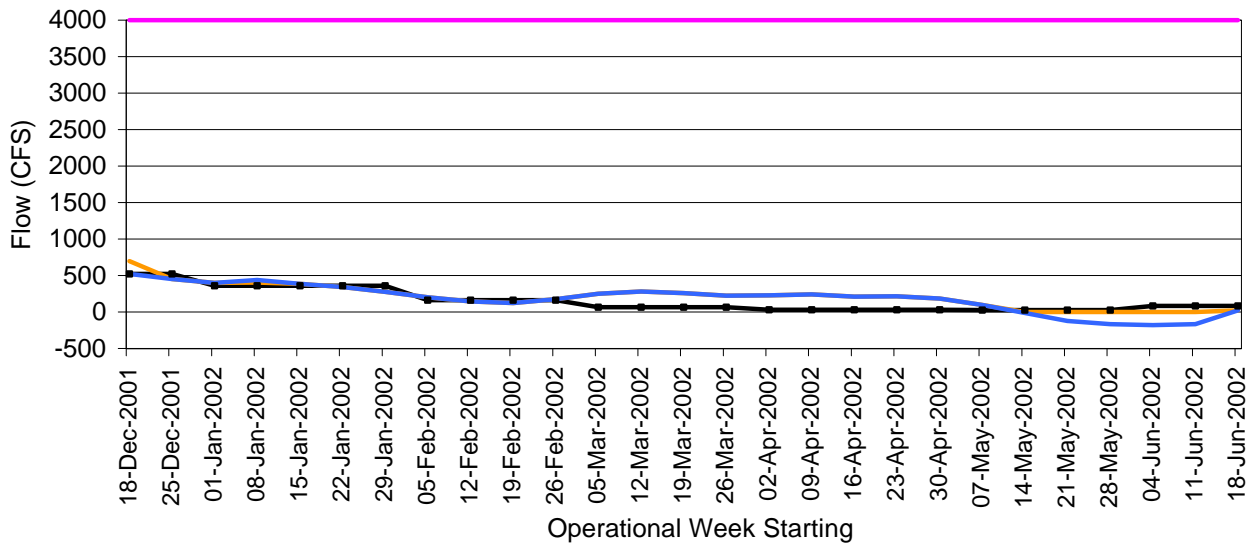
COMMENT: S-140 and ENP pan evaporation values are low and marked missing. Only S-7 data was used.

***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	June 25, 2002 to July 1, 2002	962 cfs
S-12 Discharge		433 cfs
S-333 Discharge		529 cfs

----- Data Summary -----	June 14, 2002 to June 21, 2002	
WCA-3A Stage (end of week)	9.63	ft. msl
Angel's	6.85	ft. msl
G3273	6.92	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.68	1.61
S-8	3.96	
S-9	2.10	
S-140	2.87	M
S-12D	0.05	
S-336	4.17	
ENP	5.48	M
Gage 63	2.45	
Gage 64	6.32	
Gage 65	4.94	
This Week's Avg	3.40	1.61
Pre-Project Avg	1.98	1.51

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

WCA-3A is in Zone D

Supplemental discharge is	673 cfs
Distance to Bottom of Transition Zone	-0.27 feet
Distance to Bottom of Regulatory Zone	0.51 feet

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

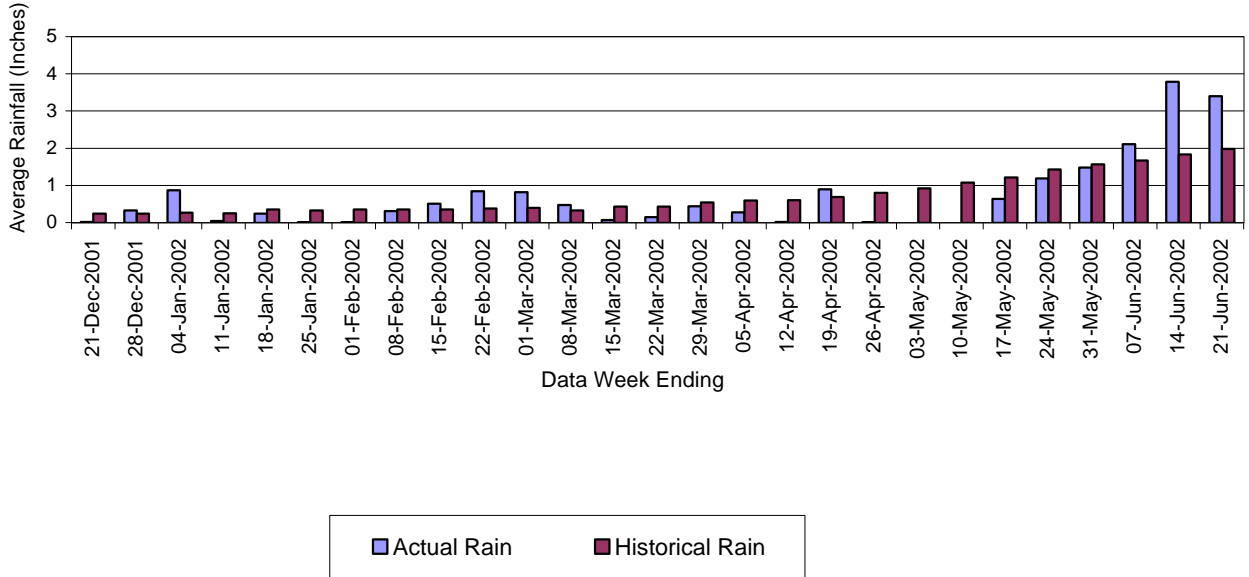
Rainfall Formula Amount	289 cfs
Last Week's Rainfall Formula	23 cfs
Pre-Project Mean Discharge	75 cfs

Rainfall Excess Terms	RL1 3.43	RL2 -1.50	RL3 -2.26
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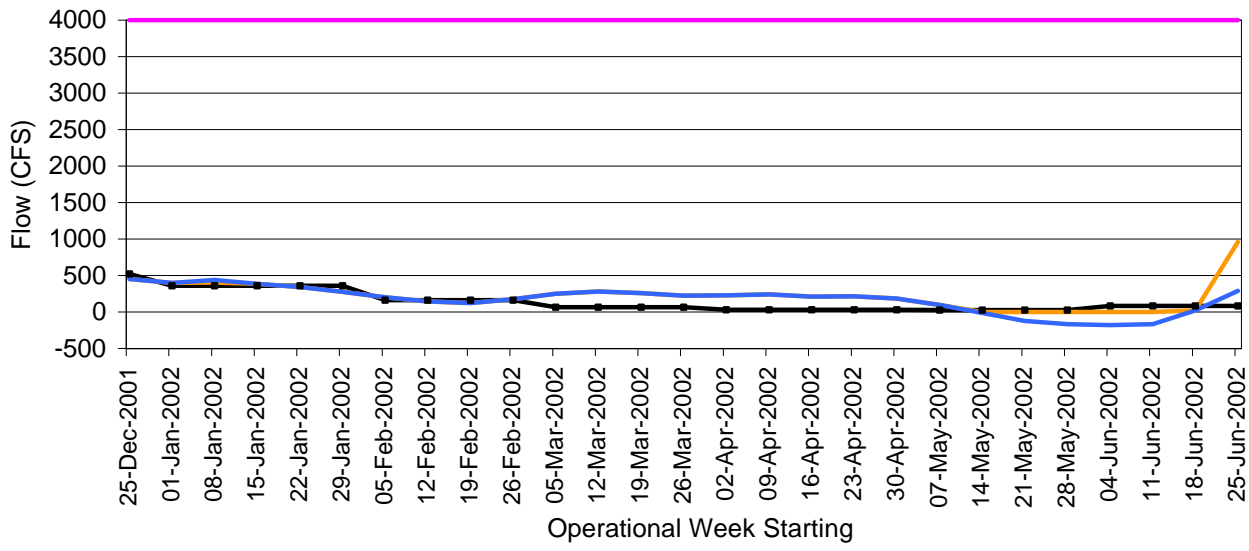
COMMENT: S-140 and ENP pan evaporation values are low and marked missing. Only S-7 data was used.

***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 July 2, 2002 to July 8, 2002 2130 cfs

S-12 Discharge 959 cfs
 S-333 Discharge 1172 cfs

----- **Data Summary** ----- **June 21, 2002 to June 28, 2002**
 WCA-3A Stage (end of week) 9.98 ft. msl
 Angel's 6.66 ft. msl
 G3273 6.88 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	2.80	0.58
S-8	2.18	
S-9	3.78	
S-140	3.08	M
S-12D	0.01	
S-336	1.58	
ENP	1.99	M
Gage 63	1.44	
Gage 64	3.59	
Gage 65	3.37	
This Week's Avg	2.38	0.58
Pre-Project Avg	2.10	1.49

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

WCA-3A is in Zone B

Supplemental discharge is 1664 cfs
 Distance to Bottom of Transition Zone -0.67 feet
 Distance to Bottom of Regulatory Zone 0.20 feet

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

Rainfall Formula Amount 467 cfs
 Last Week's Rainfall Formula 289 cfs
 Pre-Project Mean Discharge 94 cfs

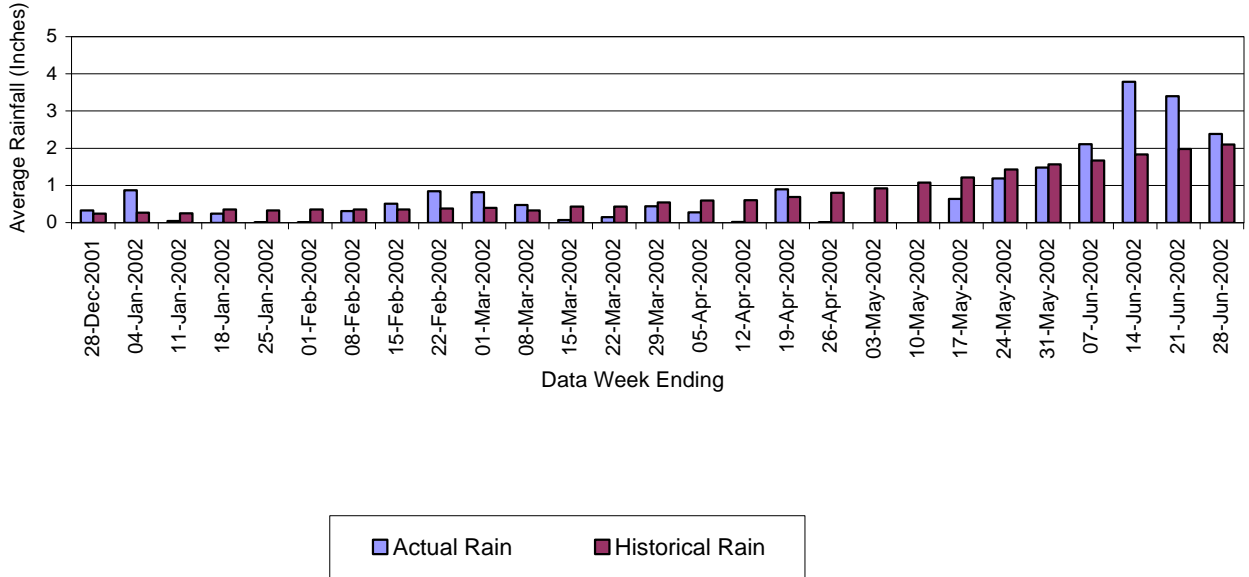
Rainfall Excess Terms

RL1	2.35	RL2	1.36	RL3	-3.52
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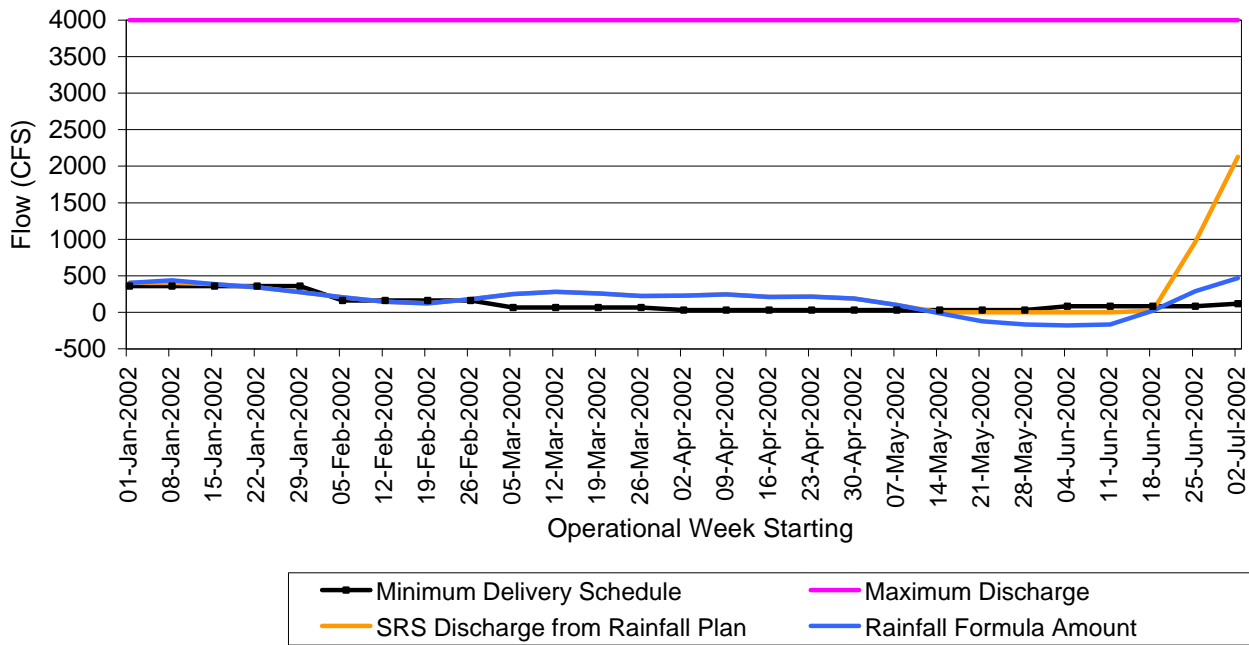
COMMENT: S-140 and ENP pan evaporation values are low and marked missing. Only S-7 data was used.

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

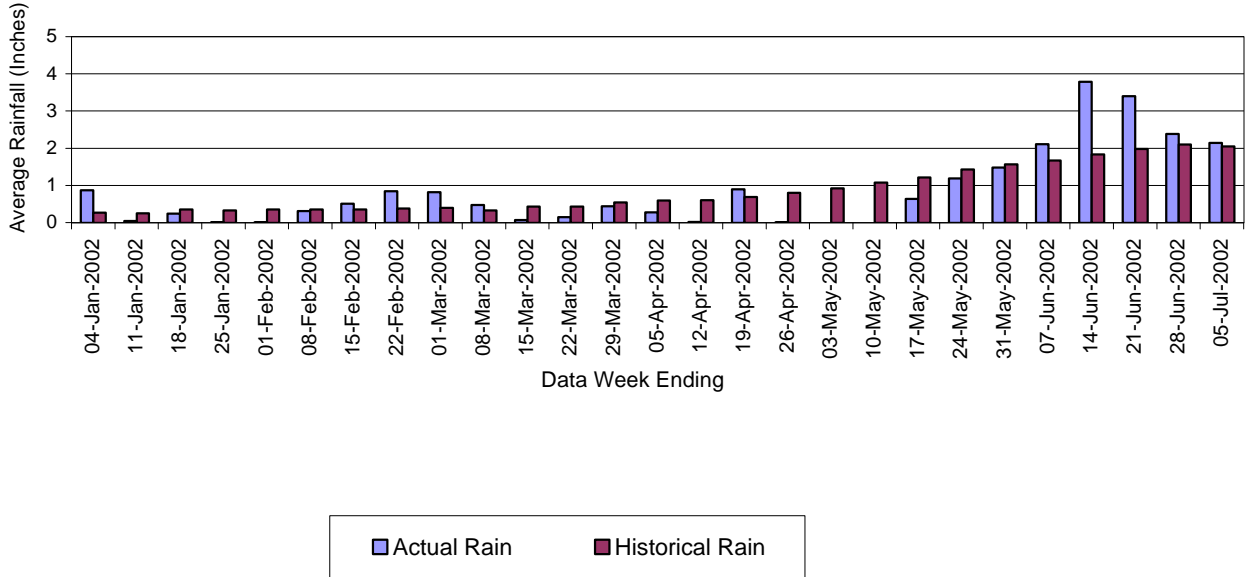
Shark River Slough Actual vs. Historical Rainfall



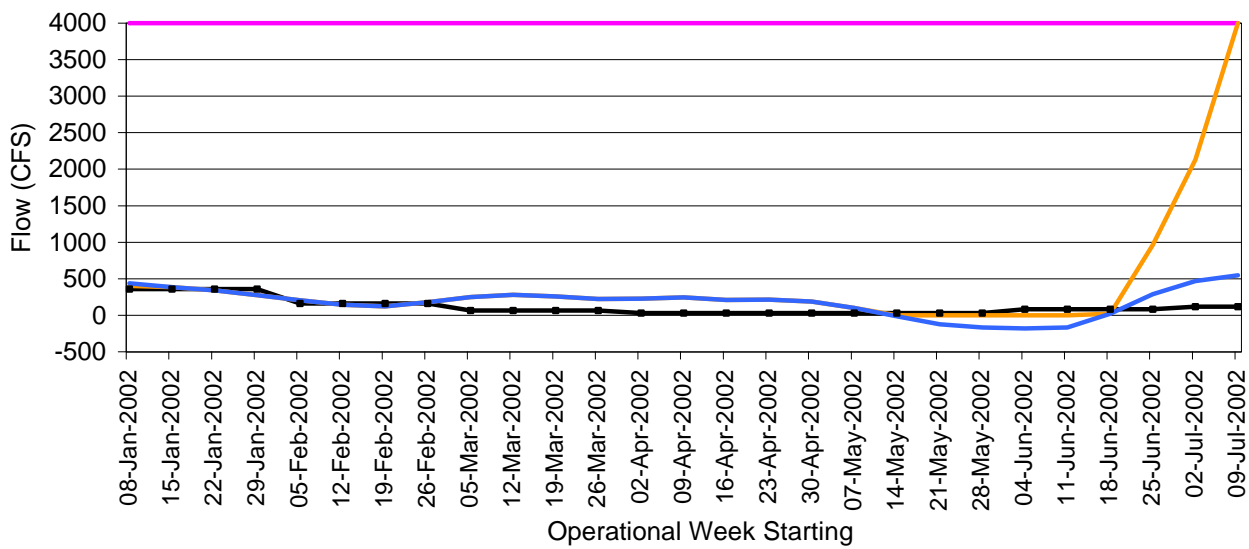
Deliveries to Shark River Slough Computed by Rainfall Plan



Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow	July 16, 2002 to July 22, 2002	MAX cfs
S-12 Discharge		MAX cfs
S-333 Discharge		MAX cfs

----- Data Summary -----	July 5, 2002 to July 12, 2002
WCA-3A Stage (end of week)	11.20 ft. msl
Angel's	7.23 ft. msl
G3273	7.15 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	5.64	M
S-8	6.88	
S-9	2.08	
S-140	2.77	1.28
S-12D	M	
S-336	5.42	
ENP	3.37	M
Gage 63	4.09	
Gage 64	4.30	
Gage 65	2.63	
This Week's Avg	4.13	1.28
Pre-Project Avg	1.93	1.45

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

WCA-3A is in Zone A

Supplemental discharge is	MAX	cfs
Distance to Bottom of Transition Zone		-1.93 feet
Distance to Bottom of Regulatory Zone		-0.93 feet

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

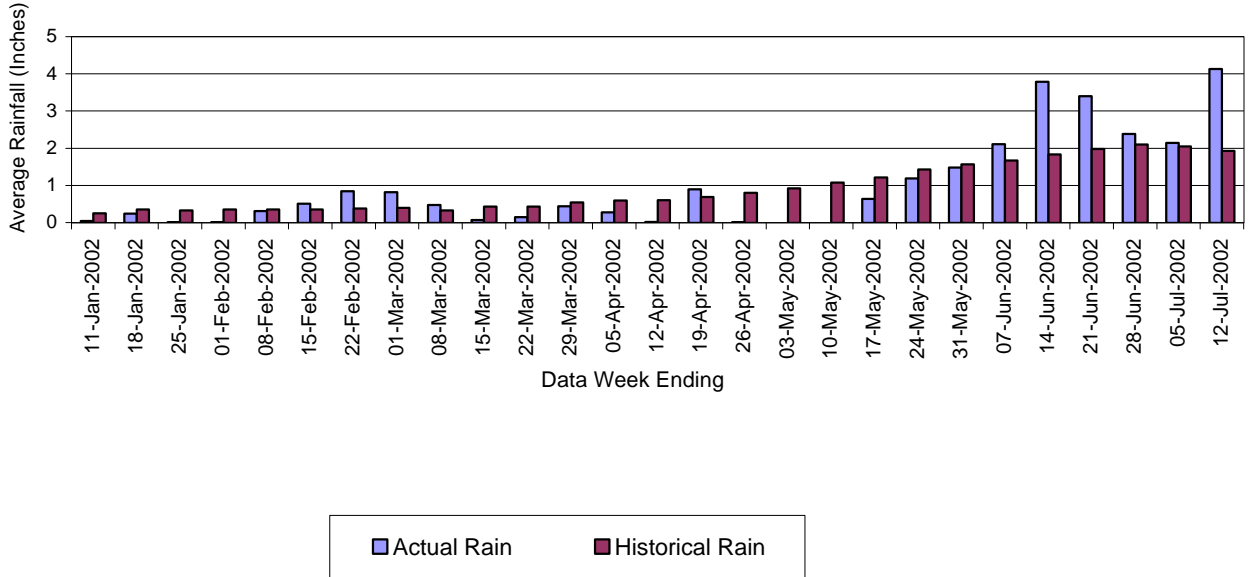
Rainfall Formula Amount	732 cfs
Last Week's Rainfall Formula	549 cfs
Pre-Project Mean Discharge	128 cfs

Rainfall Excess Terms	RL1 2.32	RL2 4.55	RL3 -3.00
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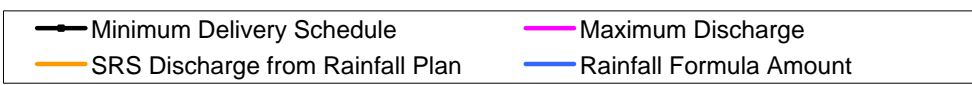
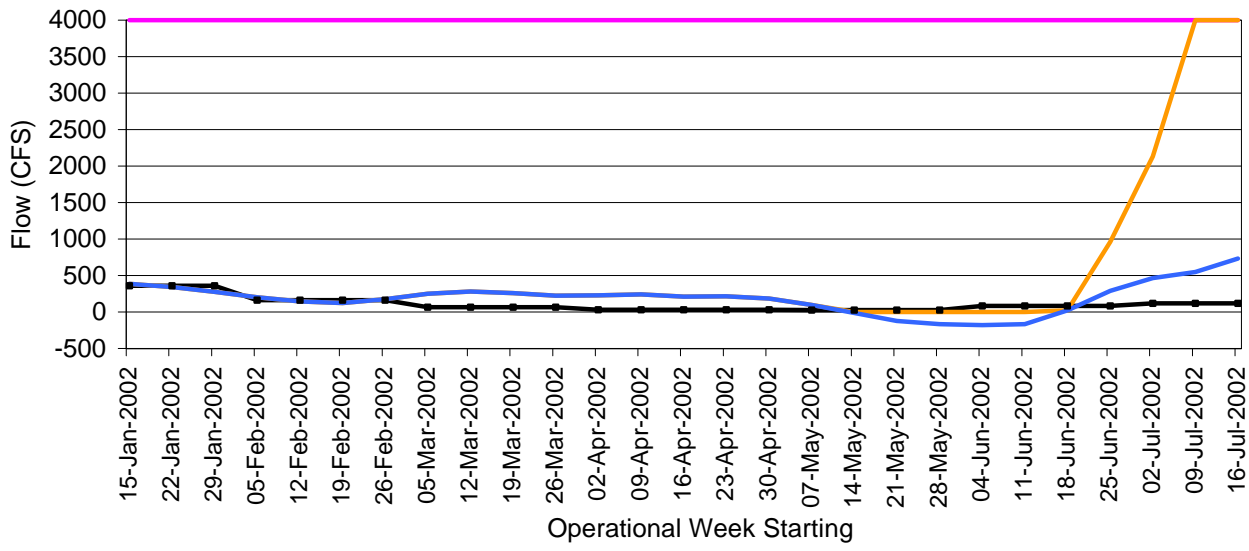
COMMENT: S-7 and ENP pan evaporation values are low and marked missing. Only S-140 data was used

***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	July 23, 2002 to July 29, 2002	MAX cfs
S-12 Discharge		MAX cfs
S-333 Discharge		MAX cfs

----- Data Summary -----	July 12, 2002 to July 19, 2002
WCA-3A Stage (end of week)	10.83 ft. msl
Angel's	7.08 ft. msl
G3273	7.14 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.13	1.87
S-8	0.00	
S-9	0.50	
S-140	0.06	1.56
S-12D	0.32	
S-336	1.14	
ENP	M	M
Gage 63	0.20	
Gage 64	1.08	
Gage 65	0.53	
This Week's Avg	0.44	1.72
Pre-Project Avg	1.95	1.43

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

WCA-3A is in Zone A

Supplemental discharge is	MAX	cfs
Distance to Bottom of Transition Zone		-1.51 feet
Distance to Bottom of Regulatory Zone		-0.51 feet

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

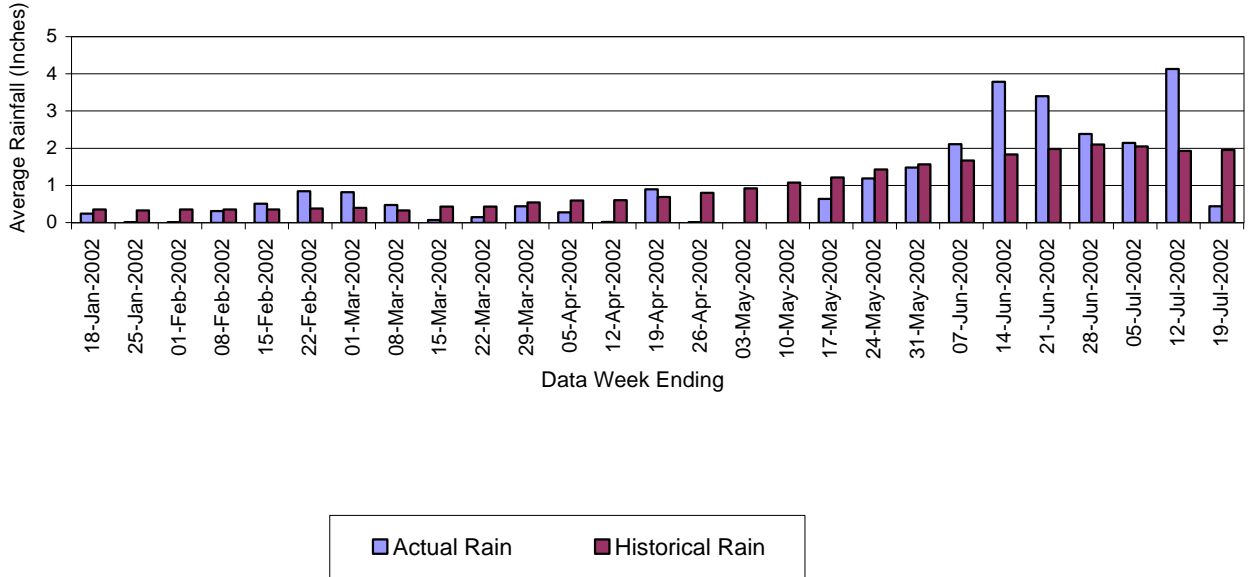
Rainfall Formula Amount	779 cfs
Last Week's Rainfall Formula	732 cfs
Pre-Project Mean Discharge	148 cfs

Rainfall Excess Terms	RL1 0.60	RL2 4.42	RL3 -1.50
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COMMENT: ENP pan evaporation values are low and marked missing. Only S-7 and S-140 data was used

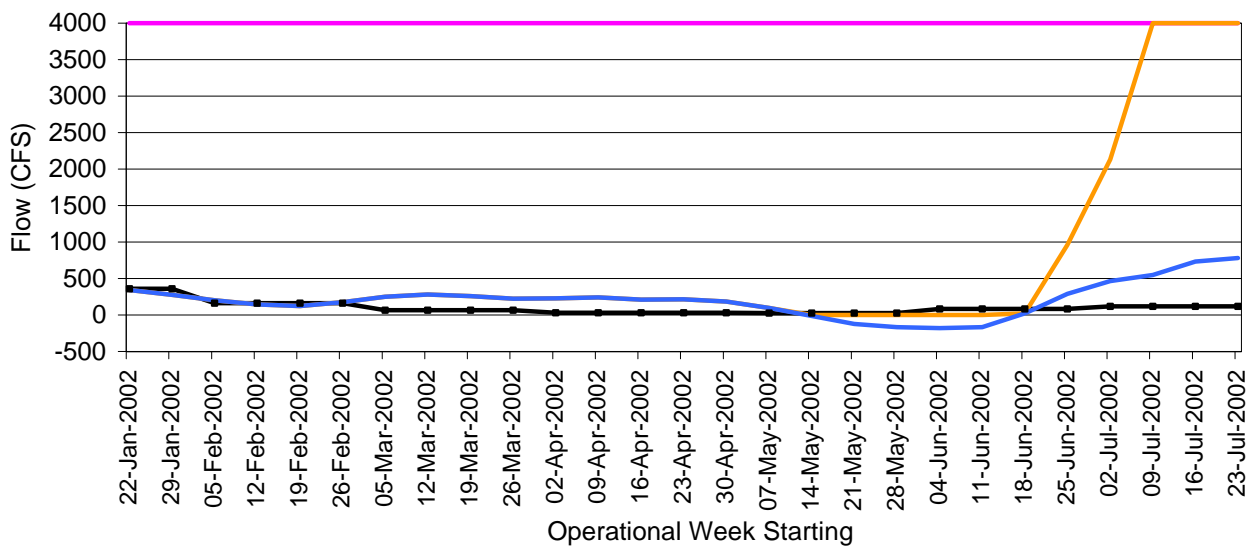
***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



■ Actual Rain ■ Historical Rain

Deliveries to Shark River Slough Computed by Rainfall Plan



—●— Minimum Delivery Schedule — Maximum Discharge
— SRS Discharge from Rainfall Plan — Rainfall Formula Amount

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow	July 30, 2002 to August 5, 2002	MAX cfs
S-12 Discharge		MAX cfs
S-333 Discharge		MAX cfs

----- Data Summary -----	July 19, 2002 to July 26, 2002
WCA-3A Stage (end of week)	11.00 ft. msl
Angel's	6.77 ft. msl
G3273	7.01 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.57	1.66
S-8	1.37	
S-9	0.24	
S-140	4.58	M
S-12D	0.44	
S-336	0.27	
ENP	M	M
Gage 63	0.76	
Gage 64	0.35	
Gage 65	1.05	
<hr/>		
This Week's Avg	1.07	1.66
Pre-Project Avg	1.92	1.42

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

WCA-3A is in Zone A

Supplemental discharge is	MAX	cfs
Distance to Bottom of Transition Zone		-1.63 feet
Distance to Bottom of Regulatory Zone		-0.63 feet

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

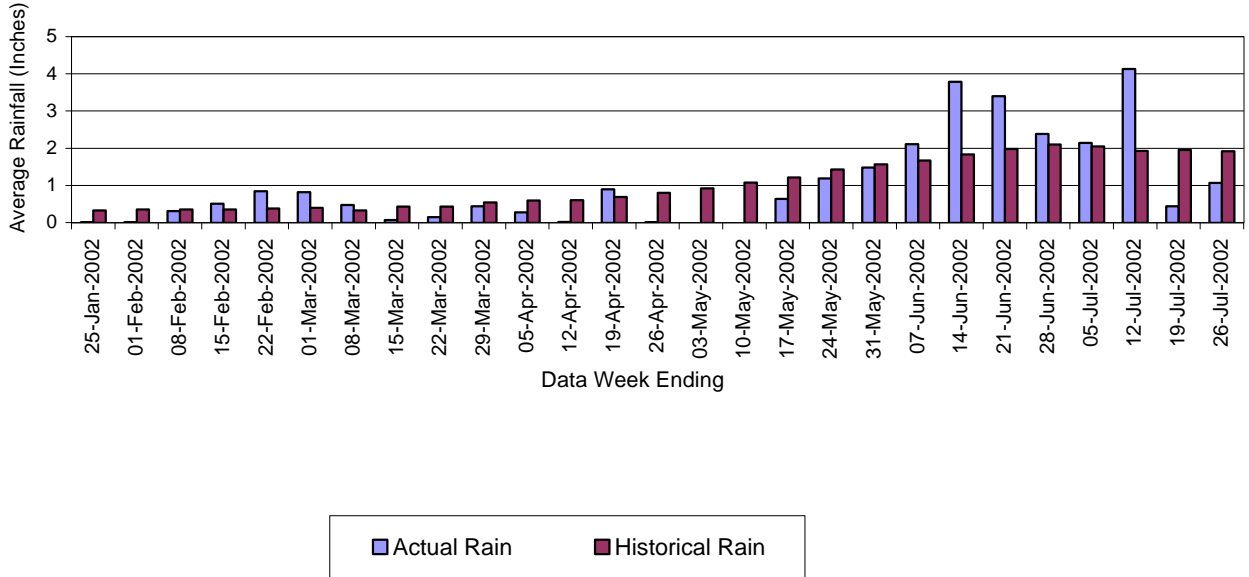
Rainfall Formula Amount	647	cfs
Last Week's Rainfall Formula	780	cfs
Pre-Project Mean Discharge	162	cfs

Rainfall Excess Terms	RL1 -2.78	RL2 4.67	RL3 1.36
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COMMENT: ENP and S-140 pan evaporation values are low and marked missing. Only S-7 data was used

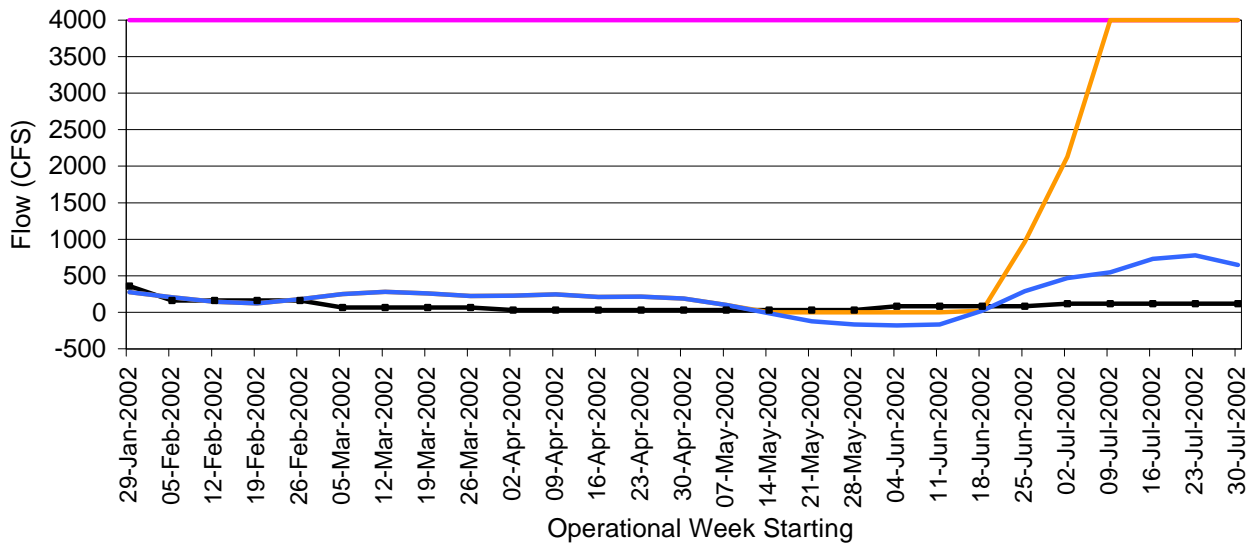
***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



■ Actual Rain ■ Historical Rain

Deliveries to Shark River Slough Computed by Rainfall Plan



—●— Minimum Delivery Schedule — Maximum Discharge
— SRS Discharge from Rainfall Plan — Rainfall Formula Amount

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow August 6, 2002 to August 12, 2002 MAX cfs

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

----- Data Summary ----- July 26, 2002 to August 2, 2002
 WCA-3A Stage (end of week) 10.96 ft. msl
 Angel's 6.23 ft. msl
 G3273 6.85 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.89
S-8	0.06	
S-9	0.03	
S-140	0.21	1.50
S-12D	0.42	
S-336	0.31	
ENP	M	M
Gage 63	0.03	
Gage 64	0.40	
Gage 65	0.04	
This Week's Avg	0.17	1.70
Pre-Project Avg	1.83	1.42

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

WCA-3A is in Zone A

Supplemental discharge is MAX cfs
 Distance to Bottom of Transition Zone -1.55 feet
 Distance to Bottom of Regulatory Zone -0.55 feet

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

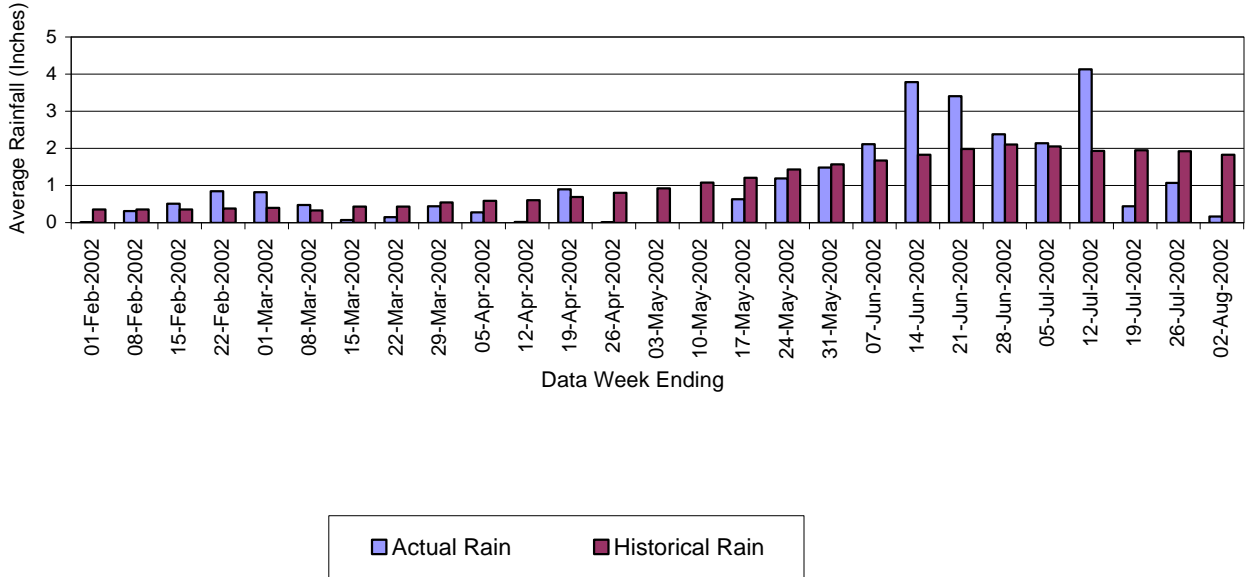
Rainfall Formula Amount 505 cfs
 Last Week's Rainfall Formula 647 cfs
 Pre-Project Mean Discharge 175 cfs

Rainfall Excess Terms
RL1 -2.93 RL2 1.59 RL3 3.08

COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

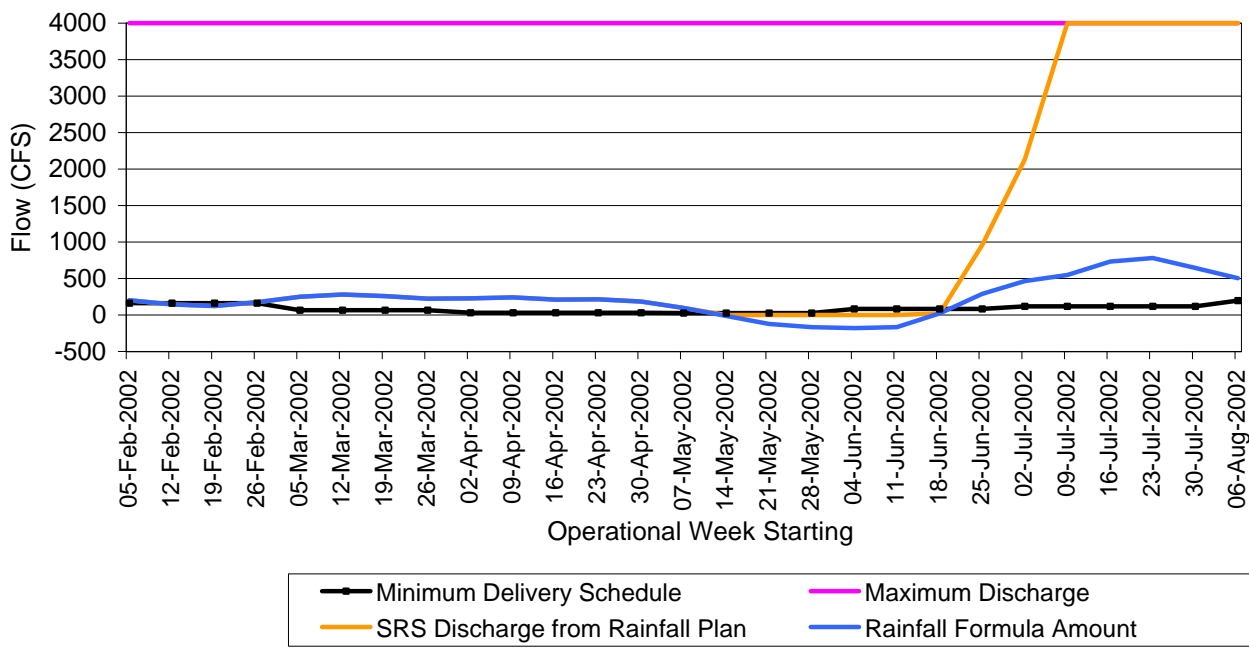
***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



Actual Rain Historical Rain

Deliveries to Shark River Slough Computed by Rainfall Plan



Minimum Delivery Schedule Maximum Discharge
SRS Discharge from Rainfall Plan Rainfall Formula Amount

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow August 13, 2002 to August 19, 2002 MAX cfs

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

----- Data Summary ----- August 2, 2002 to August 9, 2002
 WCA-3A Stage (end of week) 10.95 ft. msl
 Angel's 6.08 ft. msl
 G3273 6.79 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.25	1.62
S-8	0.95	
S-9	1.94	
S-140	1.45	1.60
S-12D	1.31	
S-336	1.11	
ENP	M	M
Gage 63	0.27	
Gage 64	1.62	
Gage 65	0.76	
This Week's Avg	1.07	1.61
Pre-Project Avg	1.72	1.42

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

WCA-3A is in Zone A

Supplemental discharge is MAX cfs
 Distance to Bottom of Transition Zone -1.49 feet
 Distance to Bottom of Regulatory Zone -0.49 feet

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

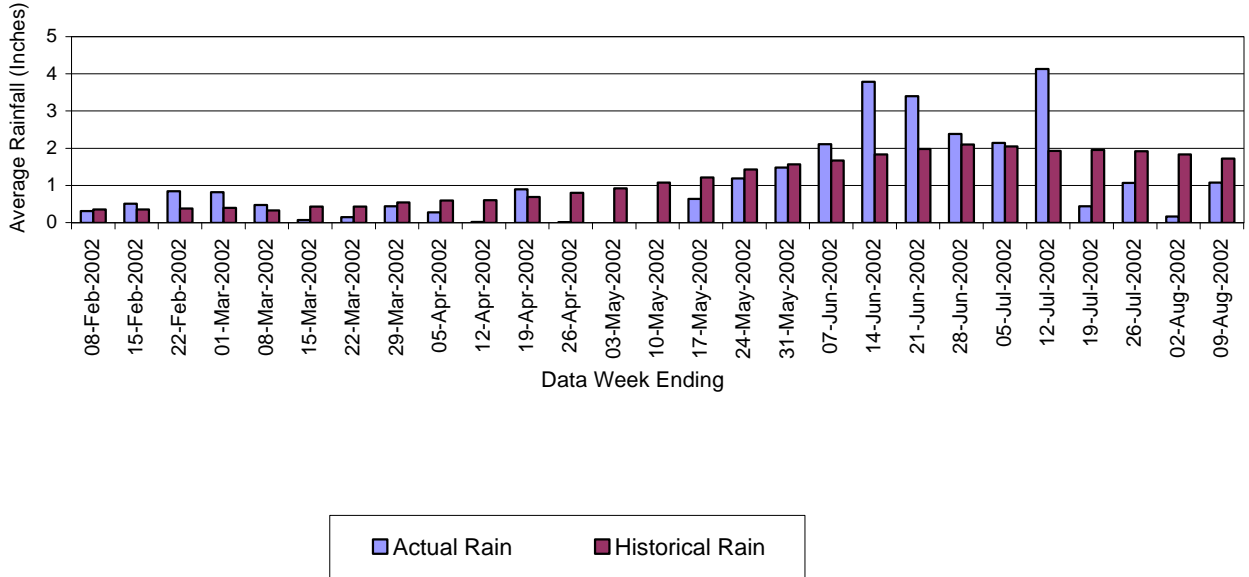
Rainfall Formula Amount 386 cfs
 Last Week's Rainfall Formula 505 cfs
 Pre-Project Mean Discharge 185 cfs

Rainfall Excess Terms
RL1 -2.68 RL2 -0.46 RL3 4.55

COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

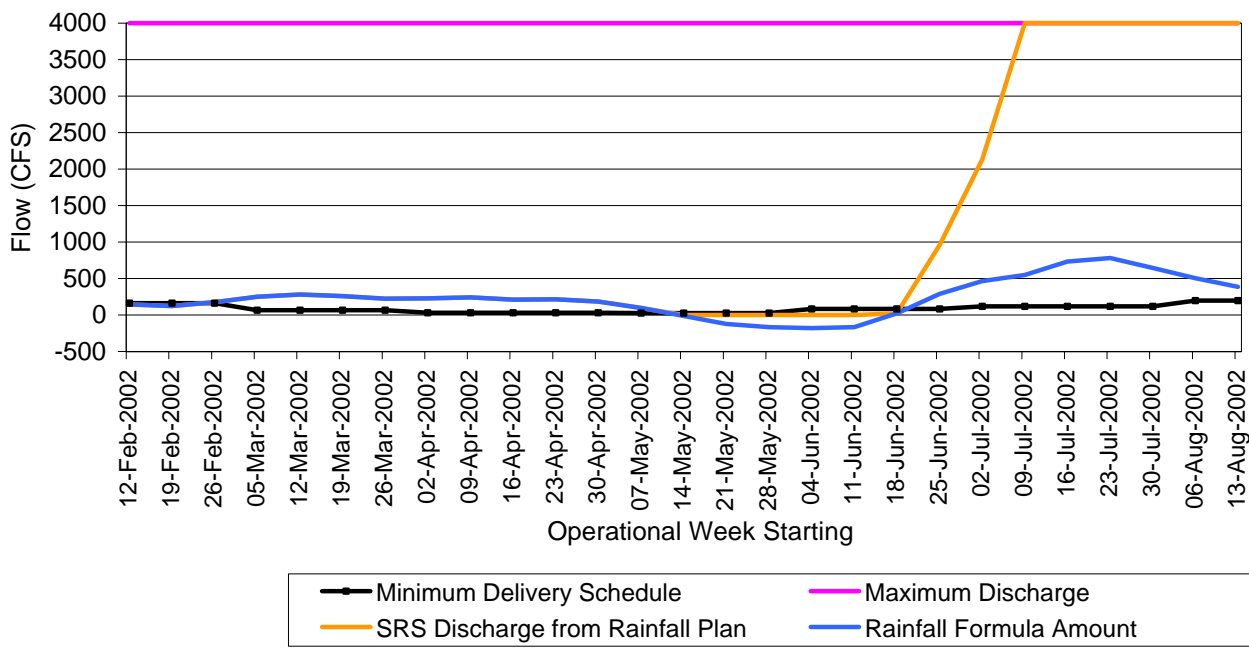
***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



■ Actual Rain ■ Historical Rain

Deliveries to Shark River Slough Computed by Rainfall Plan



—●— Minimum Delivery Schedule — Maximum Discharge
— SRS Discharge from Rainfall Plan — Rainfall Formula Amount

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow August 20, 2002 to August 26, 2002 MAX cfs

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

----- Data Summary ----- August 9, 2002 to August 16, 2002
 WCA-3A Stage (end of week) 10.96 ft. msl
 Angel's 6.23 ft. msl
 G3273 6.80 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.10	1.53
S-8	2.31	
S-9	0.99	
S-140	1.06	1.75
S-12D	3.78	
S-336	0.15	
ENP	M	M
Gage 63	0.26	
Gage 64	2.31	
Gage 65	M	
This Week's Avg	1.50	1.64
Pre-Project Avg	1.70	1.39

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

WCA-3A is in Zone A

Supplemental discharge is MAX cfs
 Distance to Bottom of Transition Zone -1.46 feet
 Distance to Bottom of Regulatory Zone -0.46 feet

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

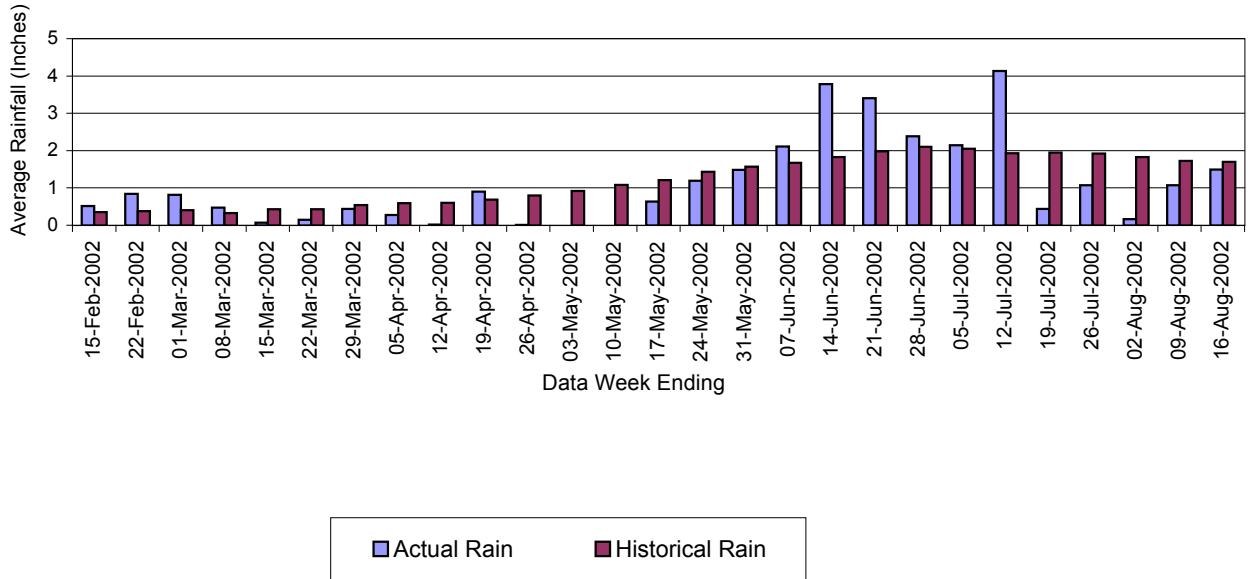
Rainfall Formula Amount 359 cfs
 Last Week's Rainfall Formula 386 cfs
 Pre-Project Mean Discharge 199 cfs

Rainfall Excess Terms
RL1 -1.20 RL2 -2.32 RL3 4.42

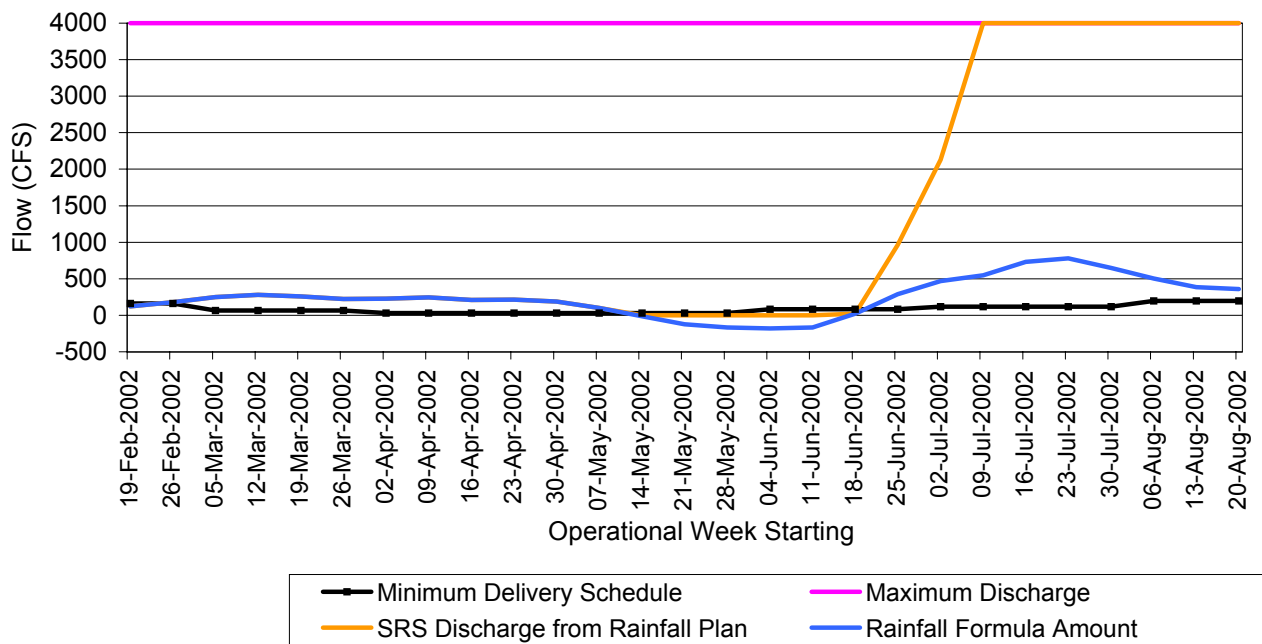
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 August 27, 2002 to September 2, 2002 MAX cfs

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

----- Data Summary ----- August 16, 2002 to August 23, 2002
 WCA-3A Stage (end of week) 10.94 ft. msl
 Angel's 5.98 ft. msl
 G3273 6.79 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	2.65	M
S-8	1.02	
S-9	1.03	
S-140	0.38	1.53
S-12D	0.45	
S-336	1.72	
ENP	M	M
Gage 63	0.50	
Gage 64	1.16	
Gage 65	1.16	
This Week's Avg	1.12	1.53
Pre-Project Avg	1.73	1.40

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

WCA-3A is in Zone A

Supplemental discharge is MAX cfs
 Distance to Bottom of Transition Zone -1.39 feet
 Distance to Bottom of Regulatory Zone -0.39 feet

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

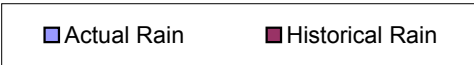
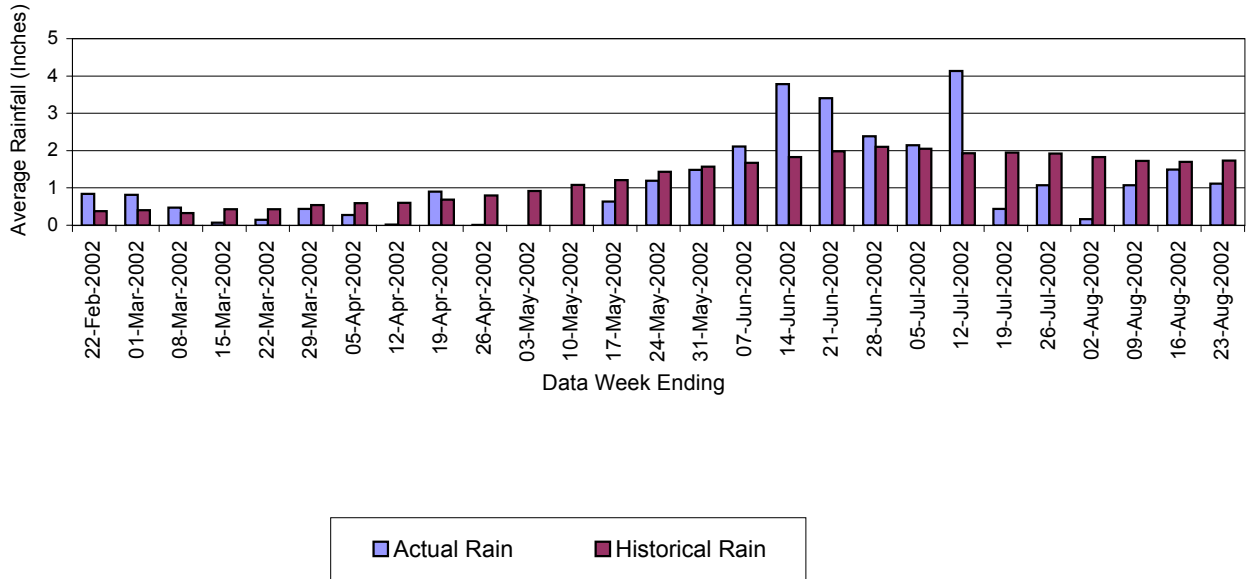
Rainfall Formula Amount 353 cfs
 Last Week's Rainfall Formula 359 cfs
 Pre-Project Mean Discharge 223 cfs

Rainfall Excess Terms
RL1 -1.12 RL2 -5.46 RL3 4.67

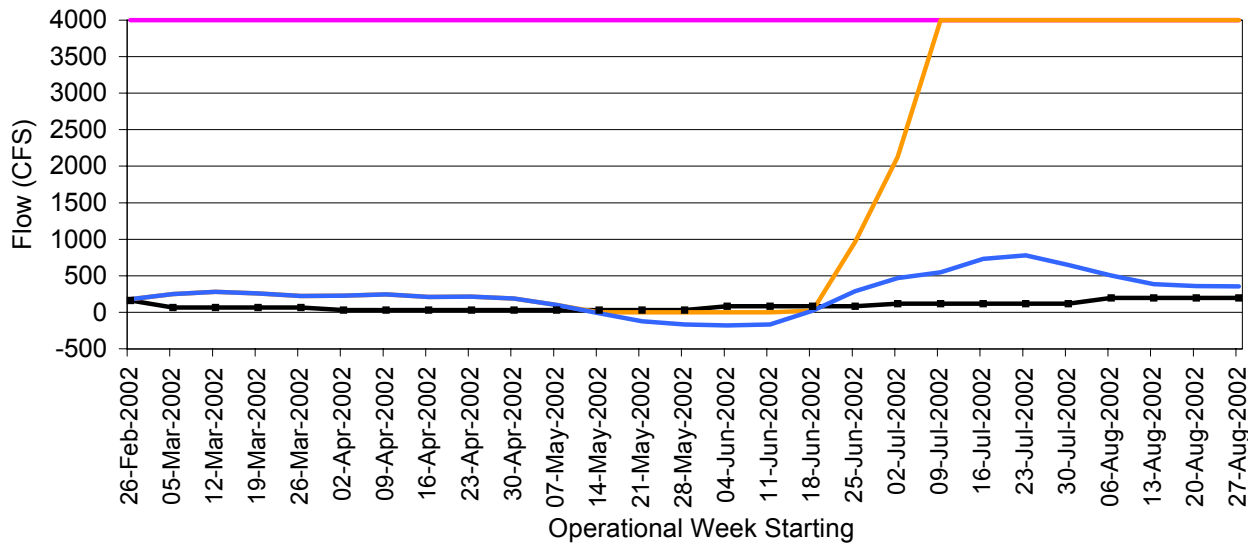
COMMENT: S-7 and ENP pan evaporation value are low and marked missing. S-140 data was used.

***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 September 3, 2002 to September 9, 2002 **MAX** cfs

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

----- **Data Summary** ----- **August 23, 2002** to **August 30, 2002**
 WCA-3A Stage (end of week) **10.90** ft. msl
 Angel's **6.21** ft. msl
 G3273 **6.90** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.30	1.41
S-8	0.35	
S-9	1.58	
S-140	1.26	1.52
S-12D	M	
S-336	5.12	
ENP	M	M
Gage 63	0.69	
Gage 64	3.00	
Gage 65	2.02	
This Week's Avg	1.92	1.47
Pre-Project Avg	1.89	1.36

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

WCA-3A is in Zone A

Supplemental discharge is **MAX** cfs
 Distance to Bottom of Transition Zone **-1.31** feet
 Distance to Bottom of Regulatory Zone **-0.31** feet

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

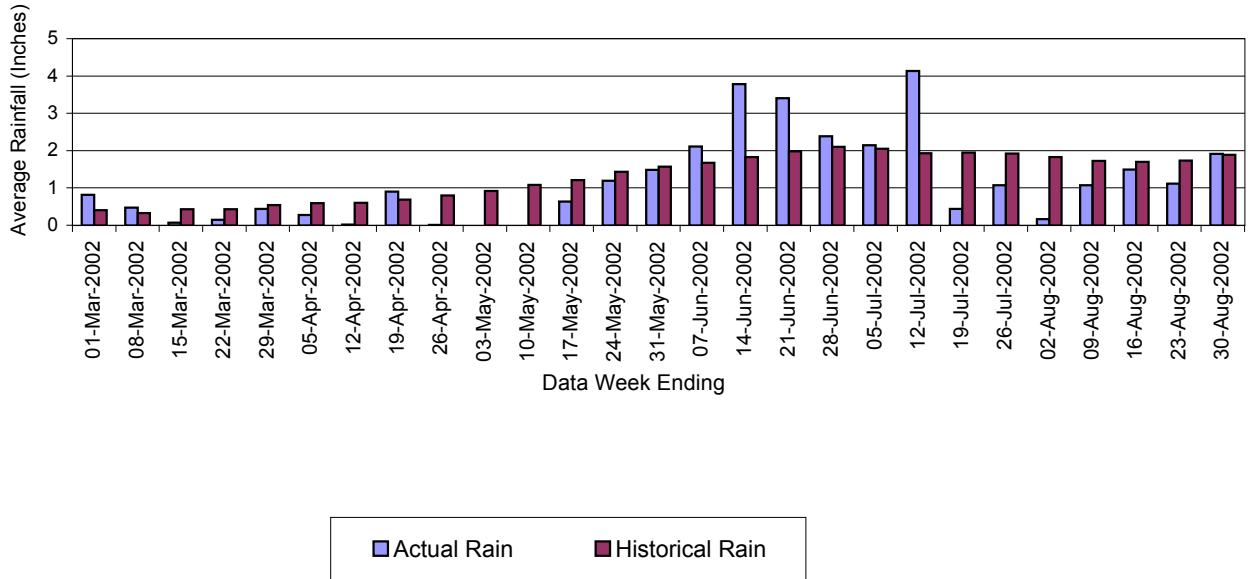
Rainfall Formula Amount **348** cfs
 Last Week's Rainfall Formula **353** cfs
 Pre-Project Mean Discharge **257** cfs

Rainfall Excess Terms
RL1 **-0.77** RL2 **-4.13** RL3 **1.59**

COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

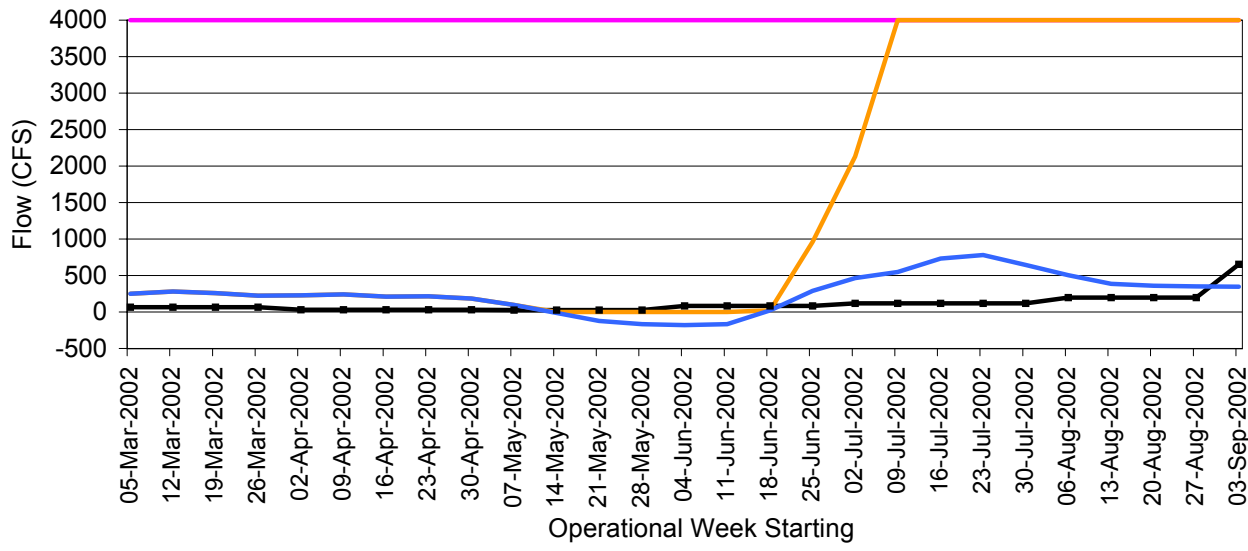
***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

Shark River Slough Actual vs. Historical Rainfall



■ Actual Rain ■ Historical Rain

Deliveries to Shark River Slough Computed by Rainfall Plan



—●— Minimum Delivery Schedule — Maximum Discharge
— SRS Discharge from Rainfall Plan — Rainfall Formula Amount

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow September 10, 2002 to September 16, 2002 **MAX** cfs

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

----- Data Summary ----- August 30, 2002 to **September 6, 2002**
 WCA-3A Stage (end of week) **10.91** ft. msl
 Angel's **6.76** ft. msl
 G3273 **7.07** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	2.57	1.37
S-8	0.77	
S-9	2.29	
S-140	1.12	1.20
S-12D	M	
S-336	0.67	
ENP	M	M
Gage 63	0.53	
Gage 64	0.17	
Gage 65	1.75	
This Week's Avg	1.23	1.29
Pre-Project Avg	1.90	1.34

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

WCA-3A is in Zone A

Supplemental discharge is **MAX** cfs
 Distance to Bottom of Transition Zone **-1.27** feet
 Distance to Bottom of Regulatory Zone **-0.27** feet

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

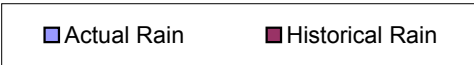
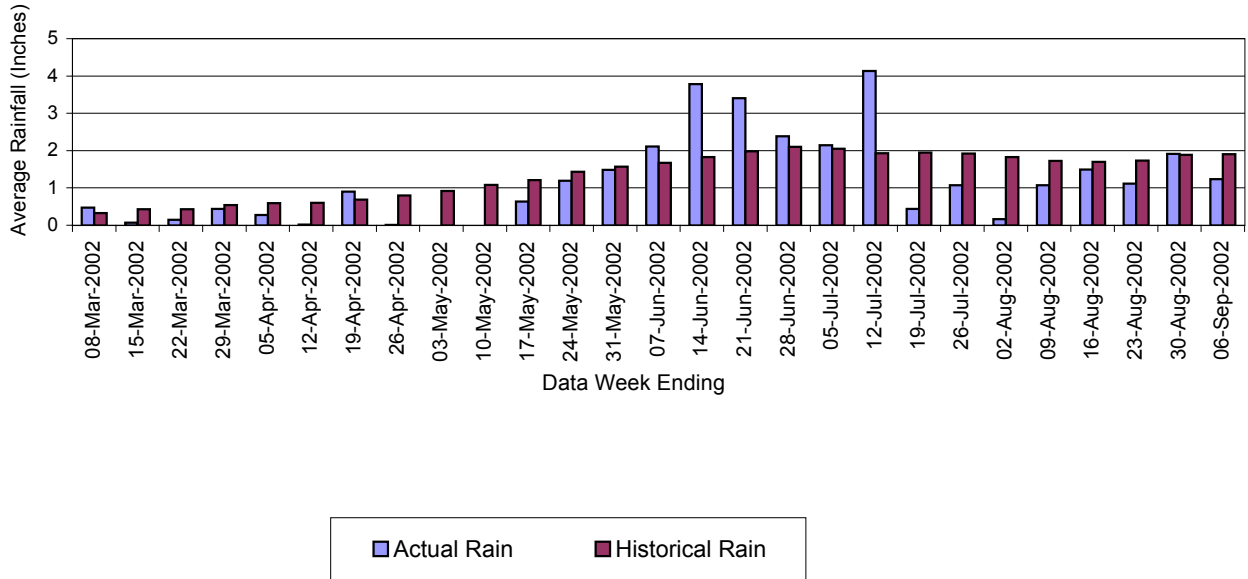
Rainfall Formula Amount **358** cfs
 Last Week's Rainfall Formula **348** cfs
 Pre-Project Mean Discharge **310** cfs

Rainfall Excess Terms
RL1 **-0.68** RL2 **-3.80** RL3 **-0.46**

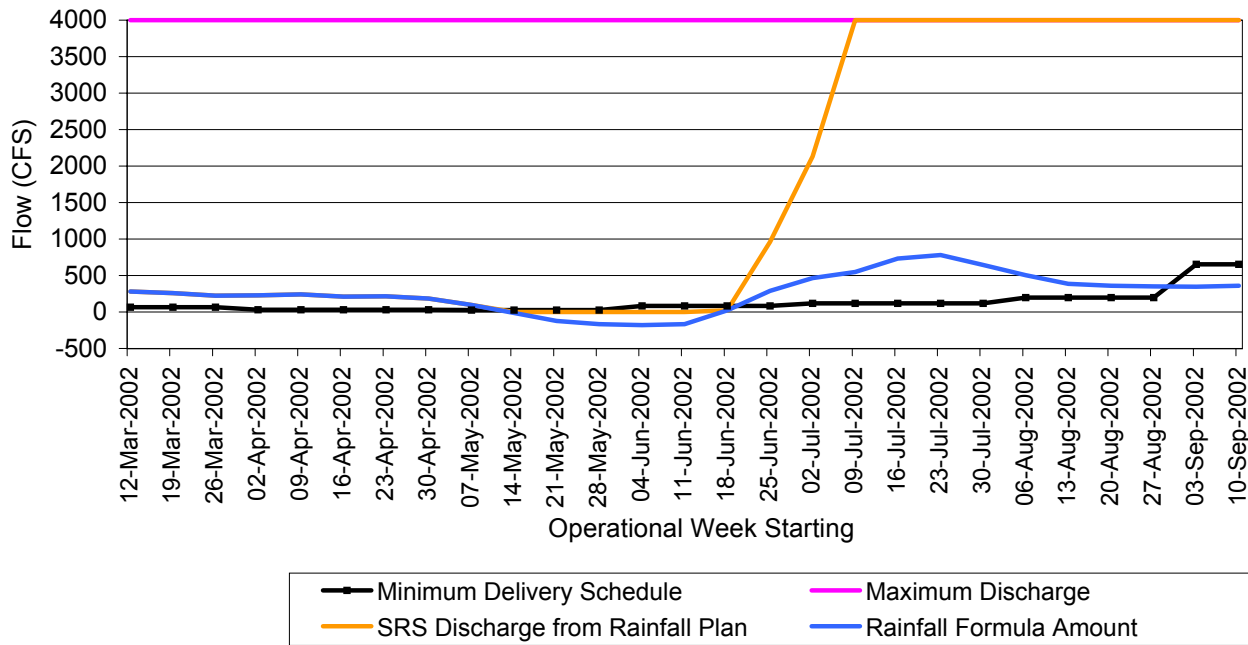
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 September 17, 2002 to September 23, 2002 **MAX** cfs

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

----- Data Summary ----- September 6, 2002 to September 13, 2002
 WCA-3A Stage (end of week) 10.99 ft. msl
 Angel's 6.84 ft. msl
 G3273 7.10 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.76	1.52
S-8	2.89	
S-9	2.54	
S-140	2.35	1.52
S-12D	1.47	
S-336	2.00	
ENP	3.11	M
Gage 63	2.17	
Gage 64	1.51	
Gage 65	1.73	
This Week's Avg	2.15	1.52
Pre-Project Avg	2.00	1.31

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

WCA-3A is in Zone A

Supplemental discharge is **MAX** cfs
 Distance to Bottom of Transition Zone -1.30 feet
 Distance to Bottom of Regulatory Zone -0.30 feet

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

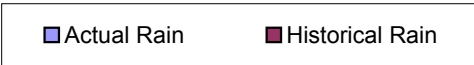
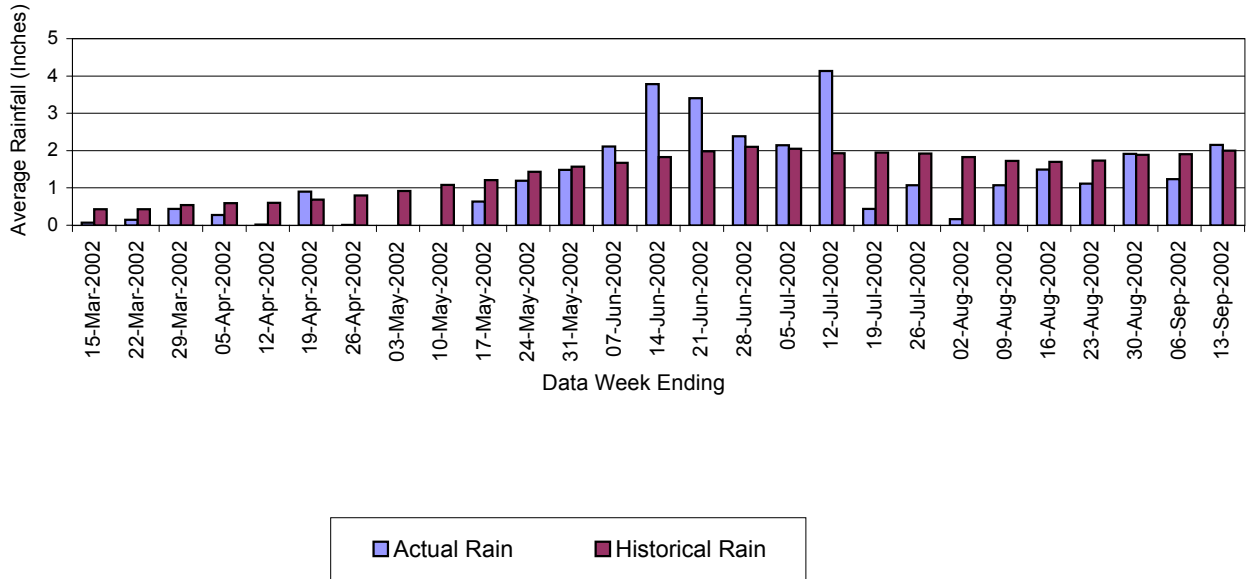
Rainfall Formula Amount 394 cfs
 Last Week's Rainfall Formula 358 cfs
 Pre-Project Mean Discharge 385 cfs

Rainfall Excess Terms
RL1 -0.64
RL2 -1.98
RL3 -2.32

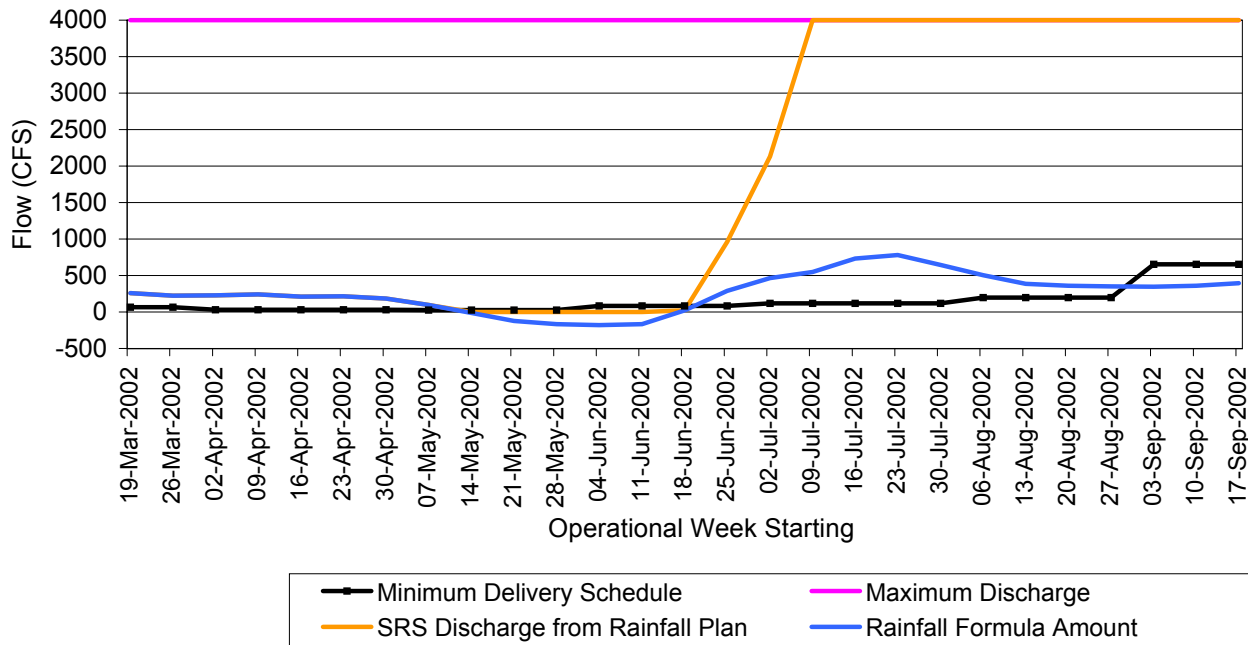
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 September 24, 2002 to September 30, 2002 **MAX** cfs

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

----- Data Summary ----- September 13, 2002 to **September 20, 2002**
 WCA-3A Stage (end of week) **10.93** ft. msl
 Angel's **6.84** ft. msl
 G3273 **7.10** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.10	1.65
S-8	0.34	
S-9	0.34	
S-140	0.26	1.67
S-12D	0.35	
S-336	0.48	
ENP	M	M
Gage 63	0.81	
Gage 64	0.19	
Gage 65	0.10	
This Week's Avg	0.33	1.66
Pre-Project Avg	2.16	1.27

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

WCA-3A is in Zone A

Supplemental discharge is **MAX** cfs
 Distance to Bottom of Transition Zone **-1.20** feet
 Distance to Bottom of Regulatory Zone **-0.20** feet

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

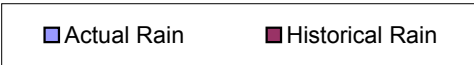
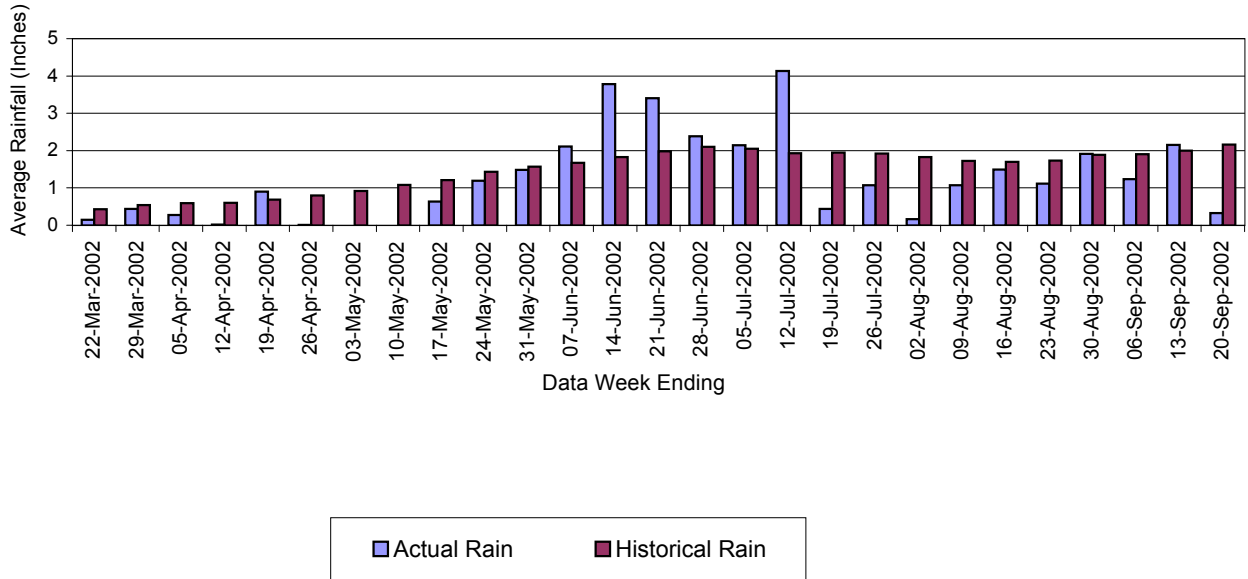
Rainfall Formula Amount **436** cfs
 Last Week's Rainfall Formula **394** cfs
 Pre-Project Mean Discharge **540** cfs

Rainfall Excess Terms
RL1 -2.16 **RL2 -1.80** **RL3 -5.46**

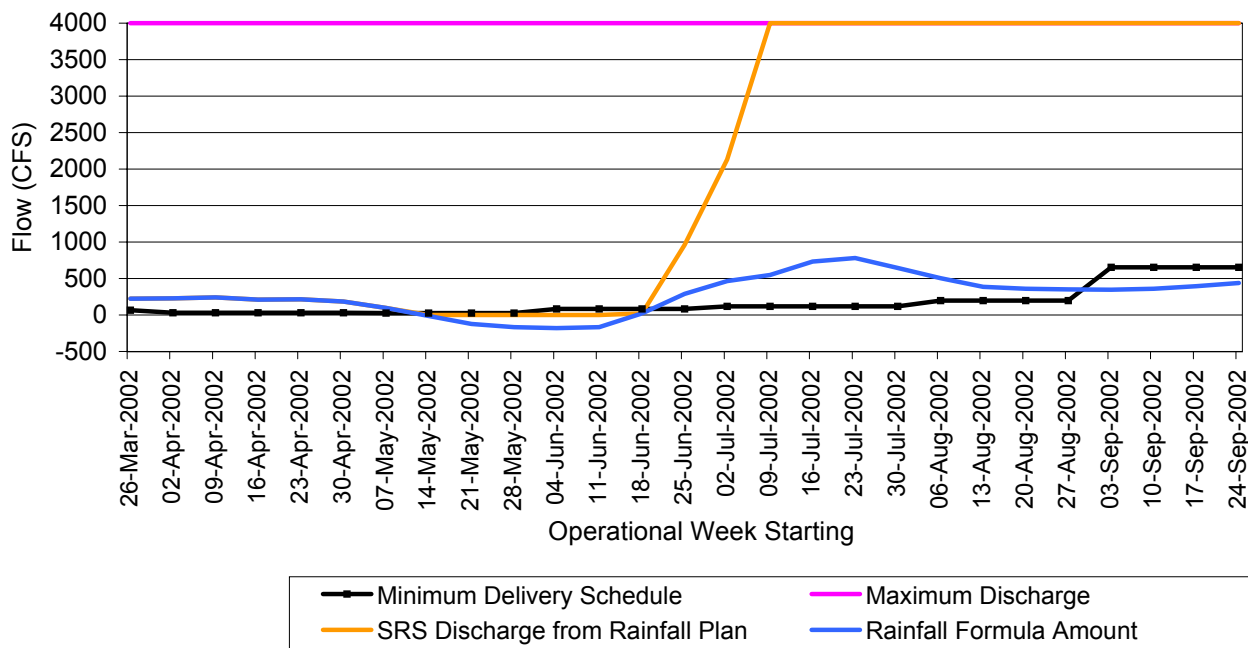
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 October 1, 2002 to October 7, 2002 MAX cfs

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

----- Data Summary ----- September 20, 2002 to September 27, 2002
 WCA-3A Stage (end of week) 10.85 ft. msl
 Angel's 6.75 ft. msl
 G3273 7.06 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.62	1.45
S-8	1.00	
S-9	0.80	
S-140	0.97	1.71
S-12D	M	
S-336	1.06	
ENP	2.47	M
Gage 63	0.48	
Gage 64	0.36	
Gage 65	1.51	
This Week's Avg	1.03	1.58
Pre-Project Avg	2.07	1.25

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

WCA-3A is in Zone A

Supplemental discharge is MAX cfs
 Distance to Bottom of Transition Zone -1.07 feet
 Distance to Bottom of Regulatory Zone -0.10 feet

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

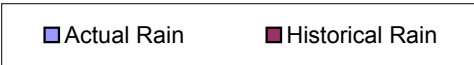
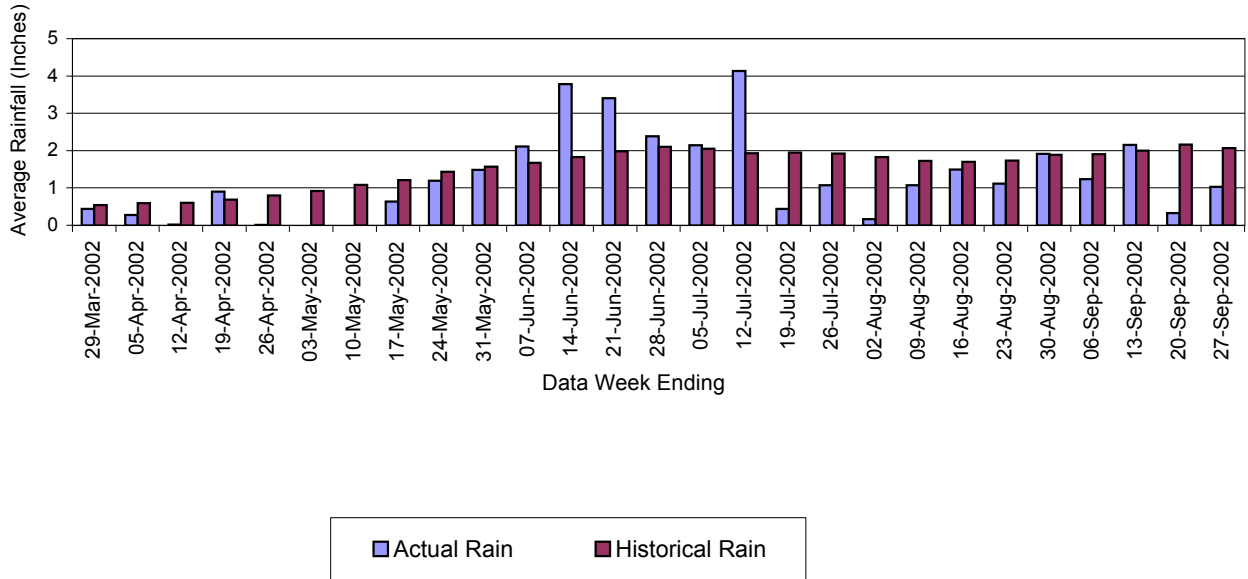
Rainfall Formula Amount 505 cfs
 Last Week's Rainfall Formula 436 cfs
 Pre-Project Mean Discharge 779 cfs

Rainfall Excess Terms
RL1 -3.45 RL2 -1.41 RL3 -4.13

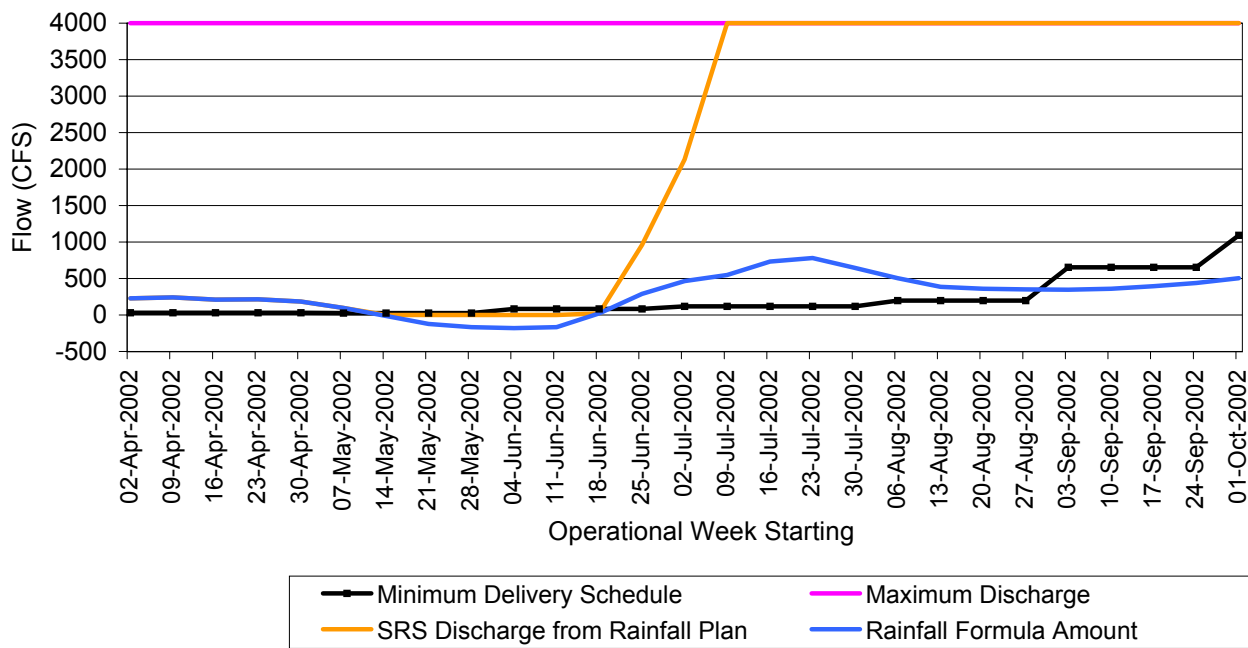
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 October 8, 2002 to October 14, 2002 MAX cfs

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

----- Data Summary ----- September 27, 2002 to October 4, 2002
 WCA-3A Stage (end of week) 10.75 ft. msl
 Angel's 6.57 ft. msl
 G3273 7.01 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.63	1.36
S-8	0.18	
S-9	0.05	
S-140	0.21	1.50
S-12D	M	
S-336	0.35	
ENP	M	M
Gage 63	0.29	
Gage 64	0.40	
Gage 65	0.97	
This Week's Avg	0.39	1.43
Pre-Project Avg	1.88	1.21

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

WCA-3A is in Zone A

Supplemental discharge is MAX cfs
 Distance to Bottom of Transition Zone -0.93 feet
 Distance to Bottom of Regulatory Zone 0.00 feet

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

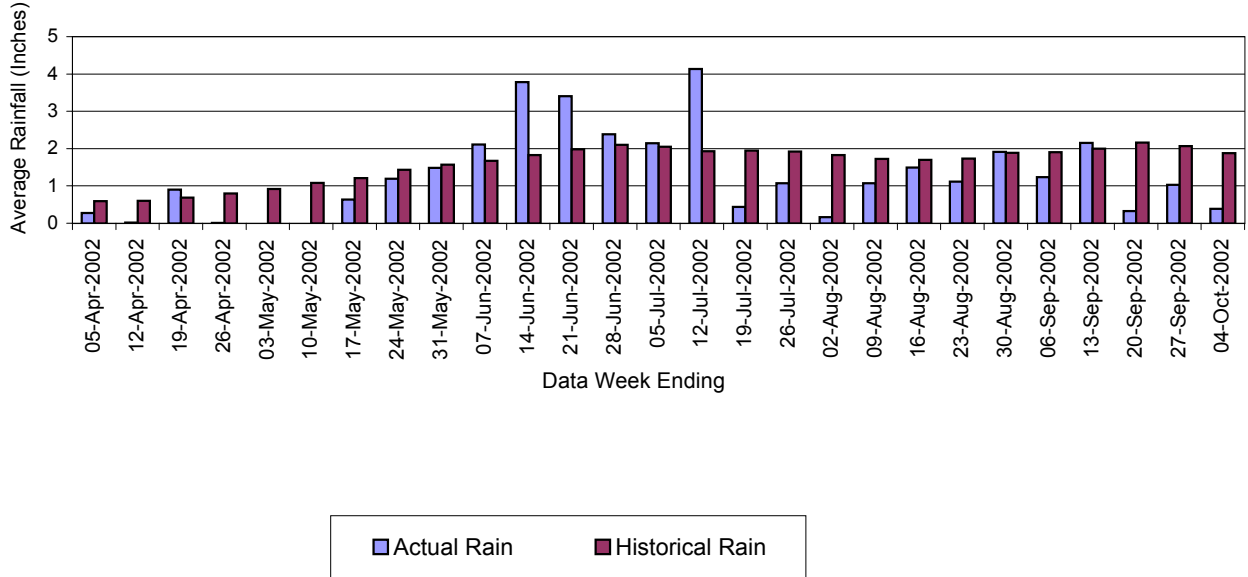
Rainfall Formula Amount 591 cfs
 Last Week's Rainfall Formula 505 cfs
 Pre-Project Mean Discharge 995 cfs

Rainfall Excess Terms
RL1 -2.98 RL2 -2.84 RL3 -3.80

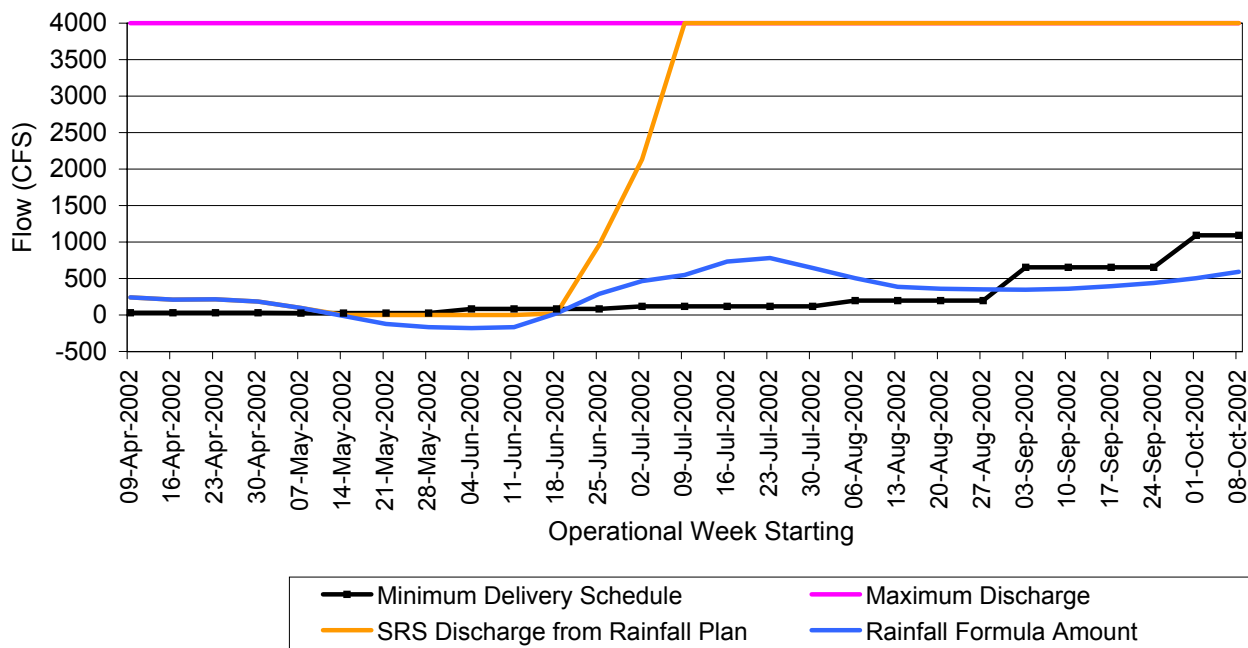
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 October 15, 2002 to October 21, 2002 2497 cfs

S-12 Discharge 1124 cfs
 S-333 Discharge 1373 cfs

----- Data Summary ----- October 4, 2002 to October 11, 2002
 WCA-3A Stage (end of week) 10.62 ft. msl
 Angel's 6.23 ft. msl
 G3273 6.91 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.27
S-8	0.00	
S-9	2.94	
S-140	0.00	1.25
S-12D	M	
S-336	0.87	
ENP	1.32	M
Gage 63	M	
Gage 64	0.18	
Gage 65	0.14	
This Week's Avg	0.68	1.26
Pre-Project Avg	1.67	1.16

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

WCA-3A is in Zone B

Supplemental discharge is 1877 cfs
 Distance to Bottom of Transition Zone -0.75 feet
 Distance to Bottom of Regulatory Zone 0.13 feet

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

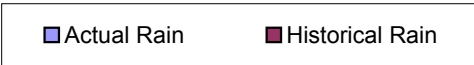
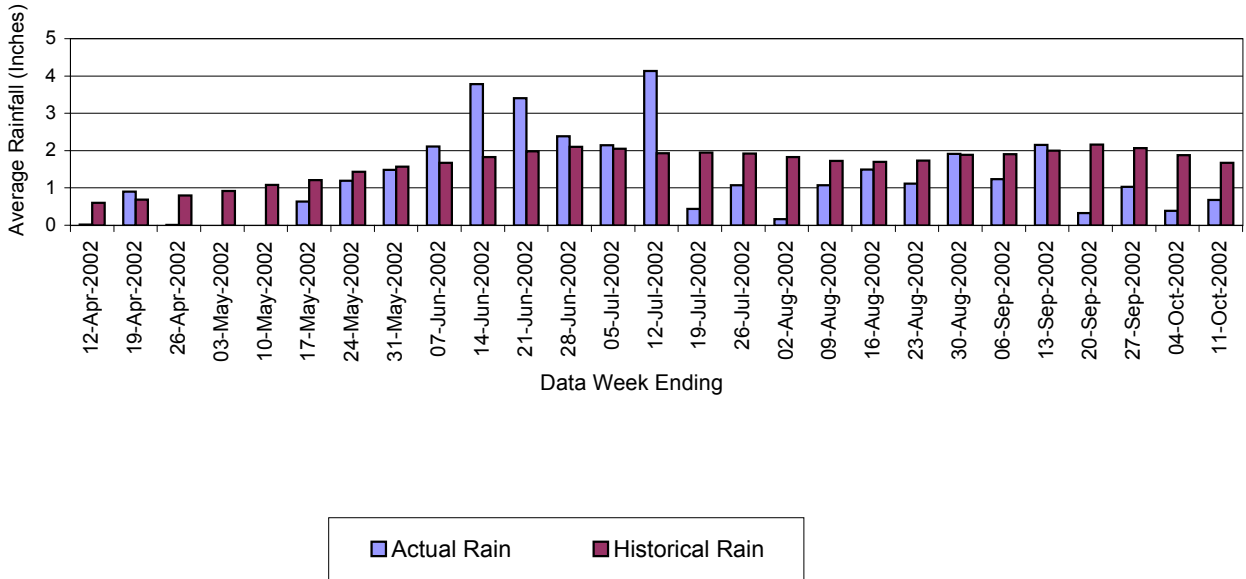
Rainfall Formula Amount 620 cfs
 Last Week's Rainfall Formula 591 cfs
 Pre-Project Mean Discharge 1130 cfs

Rainfall Excess Terms
RL1 -2.74 RL2 -4.08 RL3 -1.98

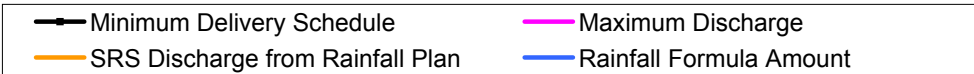
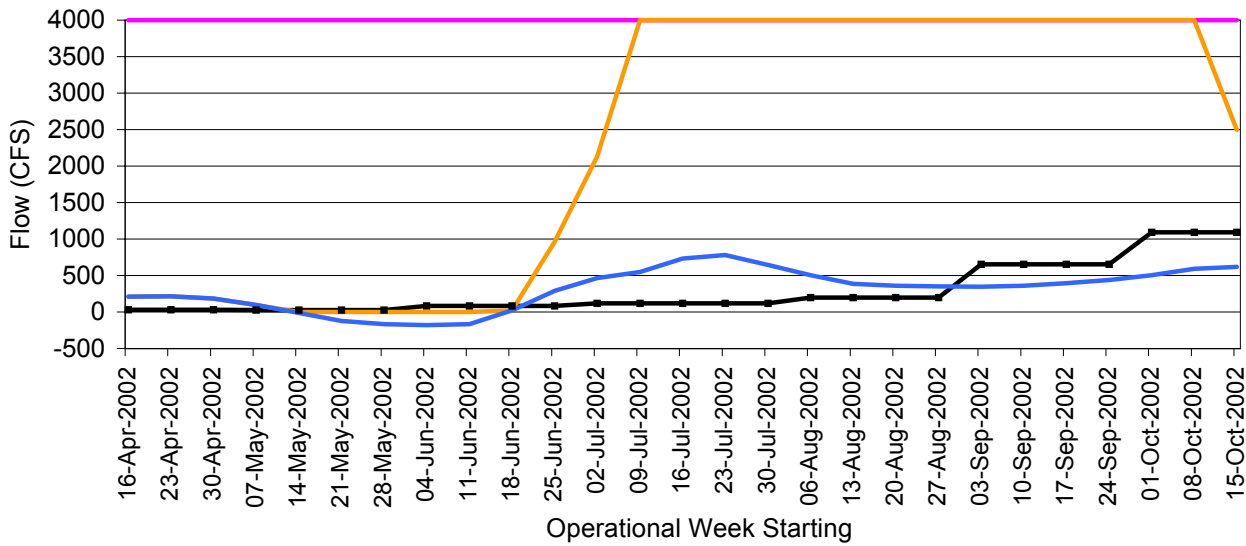
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 October 22, 2002 to October 28, 2002 2350 cfs

S-12 Discharge 1058 cfs
 S-333 Discharge 1293 cfs

----- Data Summary ----- October 11, 2002 to October 18, 2002
 WCA-3A Stage (end of week) 10.58 ft. msl
 Angel's 6.08 ft. msl
 G3273 6.90 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.65	1.43
S-8	1.98	
S-9	0.78	
S-140	0.79	1.46
S-12D	1.38	
S-336	0.35	
ENP	2.01	M
Gage 63	0.61	
Gage 64	1.04	
Gage 65	2.36	
This Week's Avg	1.20	1.45
Pre-Project Avg	1.38	1.12

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

WCA-3A is in Zone B

Supplemental discharge is 1662 cfs
 Distance to Bottom of Transition Zone -0.66 feet
 Distance to Bottom of Regulatory Zone 0.17 feet

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

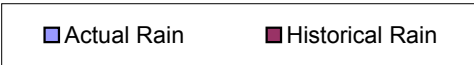
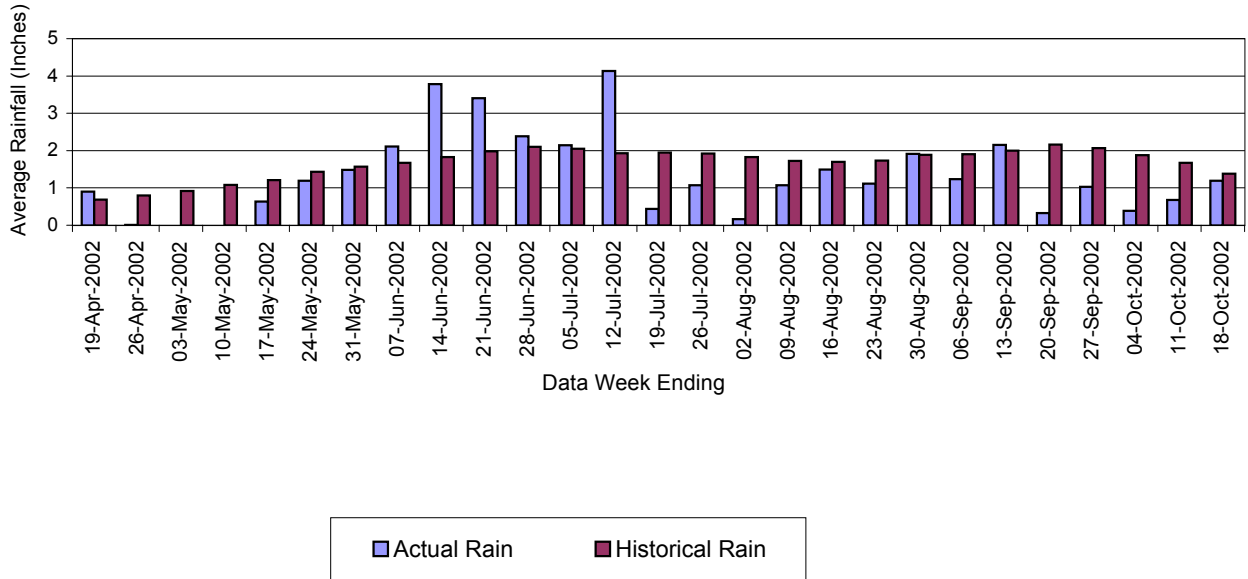
Rainfall Formula Amount 688 cfs
 Last Week's Rainfall Formula 620 cfs
 Pre-Project Mean Discharge 1229 cfs

Rainfall Excess Terms
RL1 -1.51 RL2 -5.13 RL3 -1.80

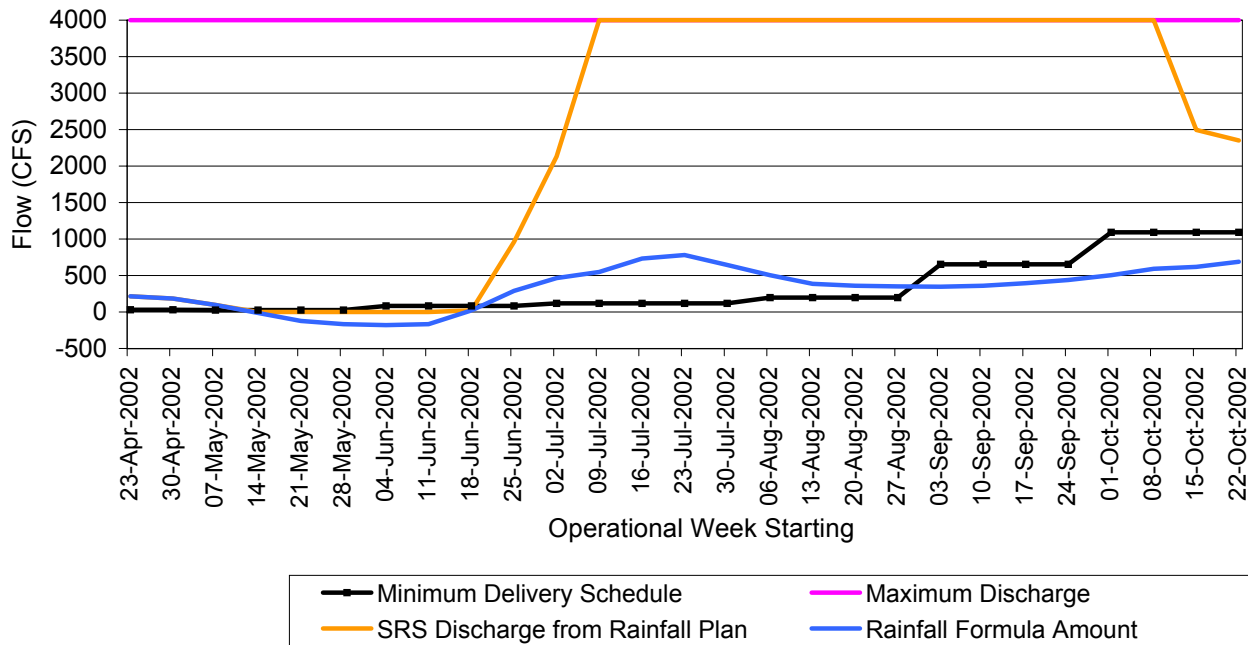
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 October 29, 2002 to November 4, 2002 1865 cfs

S-12 Discharge 839 cfs
 S-333 Discharge 1026 cfs

----- Data Summary ----- October 18, 2002 to October 25, 2002
 WCA-3A Stage (end of week) 10.44 ft. msl
 Angel's 6.20 ft. msl
 G3273 6.88 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.03
S-8	0.19	
S-9	0.28	
S-140	0.50	1.17
S-12D	0.85	
S-336	2.91	
ENP	0.03	M
Gage 63	0.00	
Gage 64	0.01	
Gage 65	0.02	
This Week's Avg	0.48	1.10
Pre-Project Avg	1.19	1.06

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

WCA-3A is in Zone D

Supplemental discharge is 1198 cfs
 Distance to Bottom of Transition Zone -0.48 feet
 Distance to Bottom of Regulatory Zone 0.31 feet

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

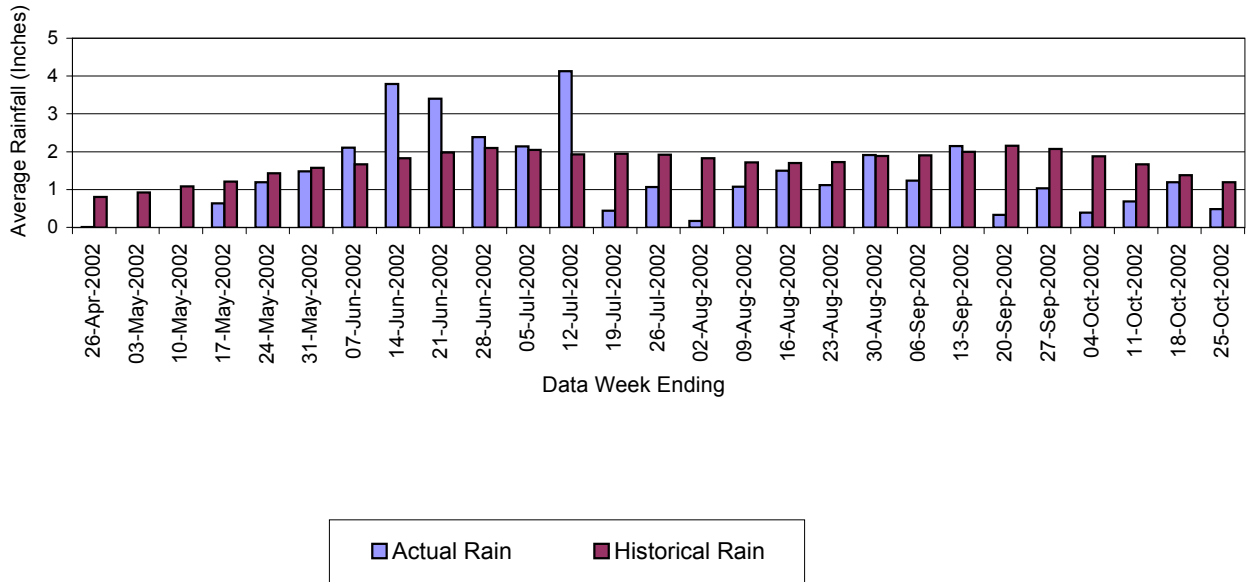
Rainfall Formula Amount 667 cfs
 Last Week's Rainfall Formula 688 cfs
 Pre-Project Mean Discharge 1220 cfs

Rainfall Excess Terms
RL1 -1.19 RL2 -6.19 RL3 -1.41

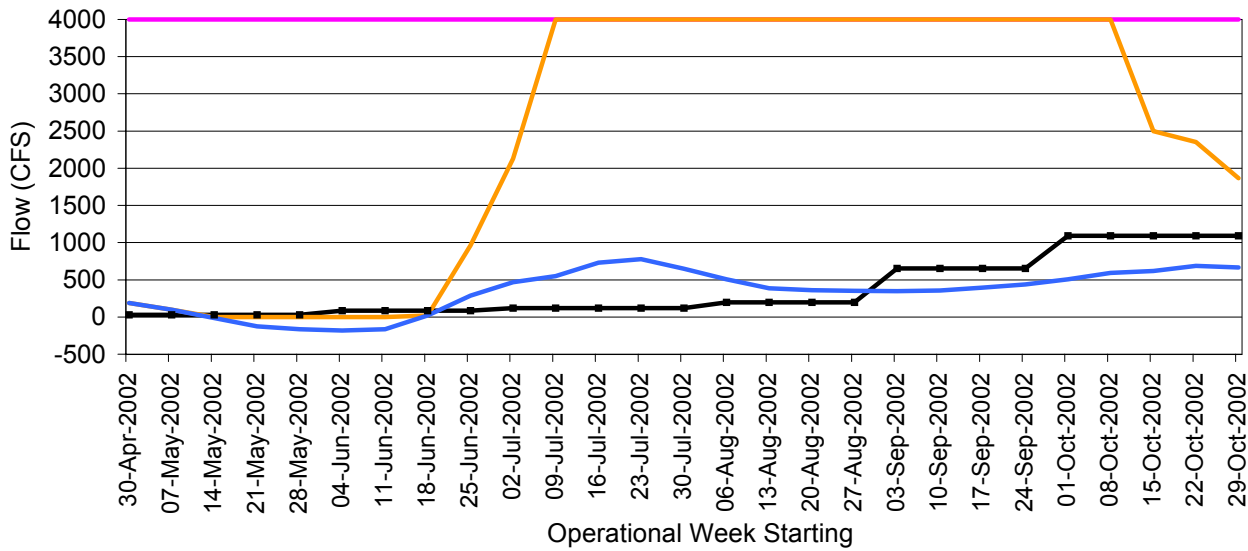
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 October 29, 2002 to November 4, 2002 1865 cfs

S-12 Discharge 839 cfs
 S-333 Discharge 1026 cfs

----- Data Summary ----- October 18, 2002 to October 25, 2002
 WCA-3A Stage (end of week) 10.44 ft. msl
 Angel's 6.20 ft. msl
 G3273 6.88 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.03
S-8	0.19	
S-9	0.28	
S-140	0.50	1.17
S-12D	0.85	
S-336	2.91	
ENP	0.03	M
Gage 63	0.00	
Gage 64	0.01	
Gage 65	0.02	
This Week's Avg	0.48	1.10
Pre-Project Avg	1.19	1.06

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

WCA-3A is in Zone D

Supplemental discharge is 1198 cfs
 Distance to Bottom of Transition Zone -0.48 feet
 Distance to Bottom of Regulatory Zone 0.31 feet

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

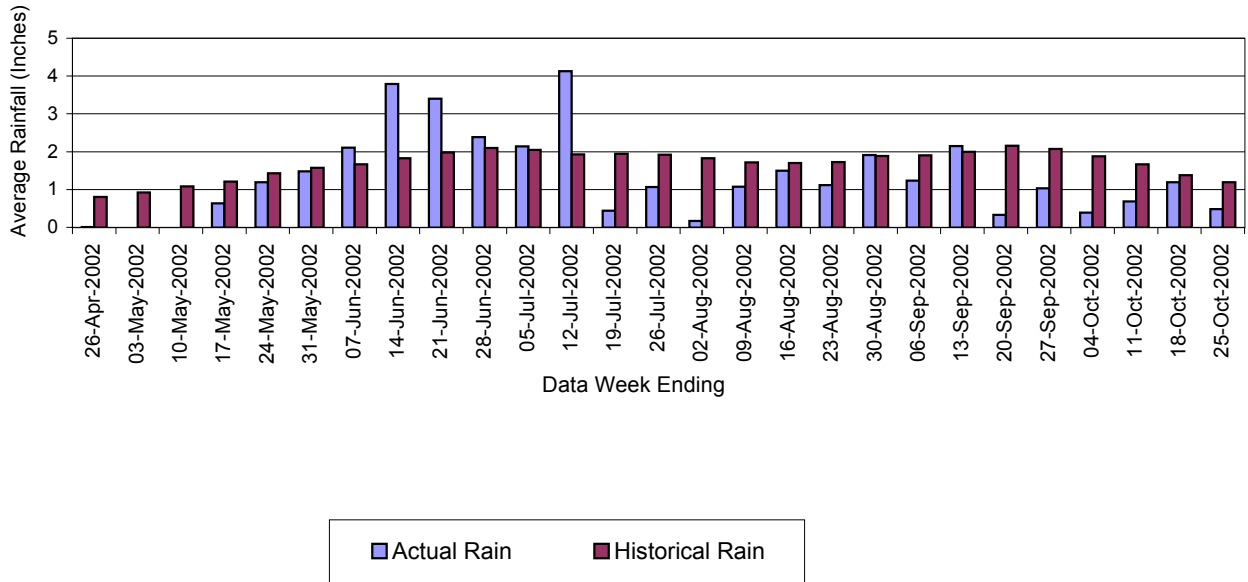
Rainfall Formula Amount 667 cfs
 Last Week's Rainfall Formula 688 cfs
 Pre-Project Mean Discharge 1220 cfs

Rainfall Excess Terms
RL1 -1.19 RL2 -6.19 RL3 -1.41

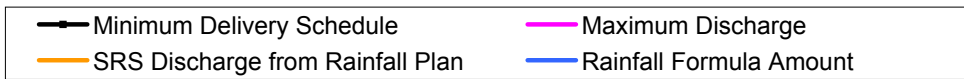
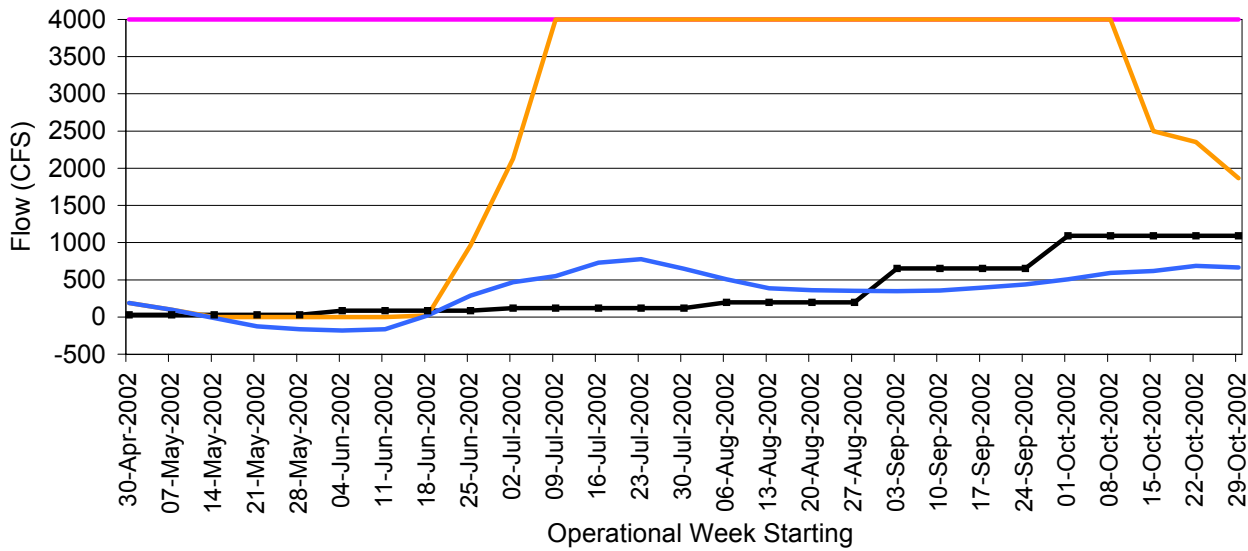
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 November 5, 2002 to November 11, 2002 524 cfs

S-12 Discharge 236 cfs
 S-333 Discharge 288 cfs

----- Data Summary ----- October 25, 2002 to November 1, 2002
 WCA-3A Stage (end of week) 10.37 ft. msl
 Angel's 6.24 ft. msl
 G3273 6.90 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.37
S-8	0.03	
S-9	0.09	
S-140	0.00	1.41
S-12D	0.71	
S-336	1.40	
ENP	0.67	0.81
Gage 63	0.00	
Gage 64	0.55	
Gage 65	3.31	
This Week's Avg	0.68	1.20
Pre-Project Avg	0.92	1.02

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

WCA-3A is in Zone E

Supplemental discharge is 0 cfs
 Distance to Bottom of Transition Zone 0.13 feet
 Distance to Bottom of Regulatory Zone 0.38 feet

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

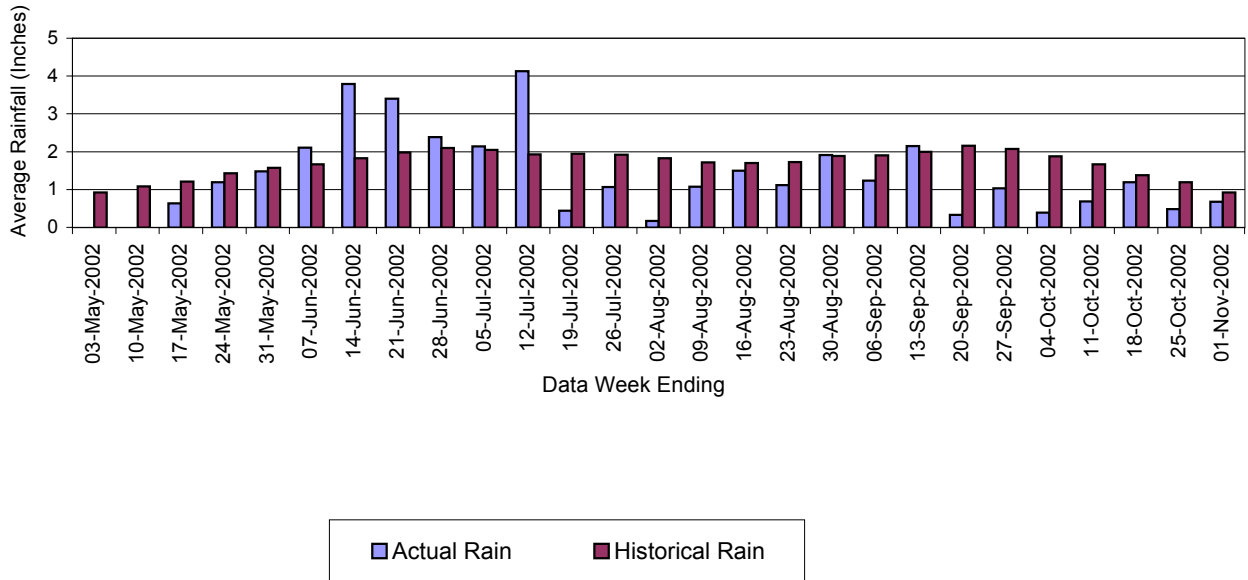
Rainfall Formula Amount 524 cfs
 Last Week's Rainfall Formula 667 cfs
 Pre-Project Mean Discharge 1084 cfs

Rainfall Excess Terms
RL1 -1.13 RL2 -4.49 RL3 -2.84

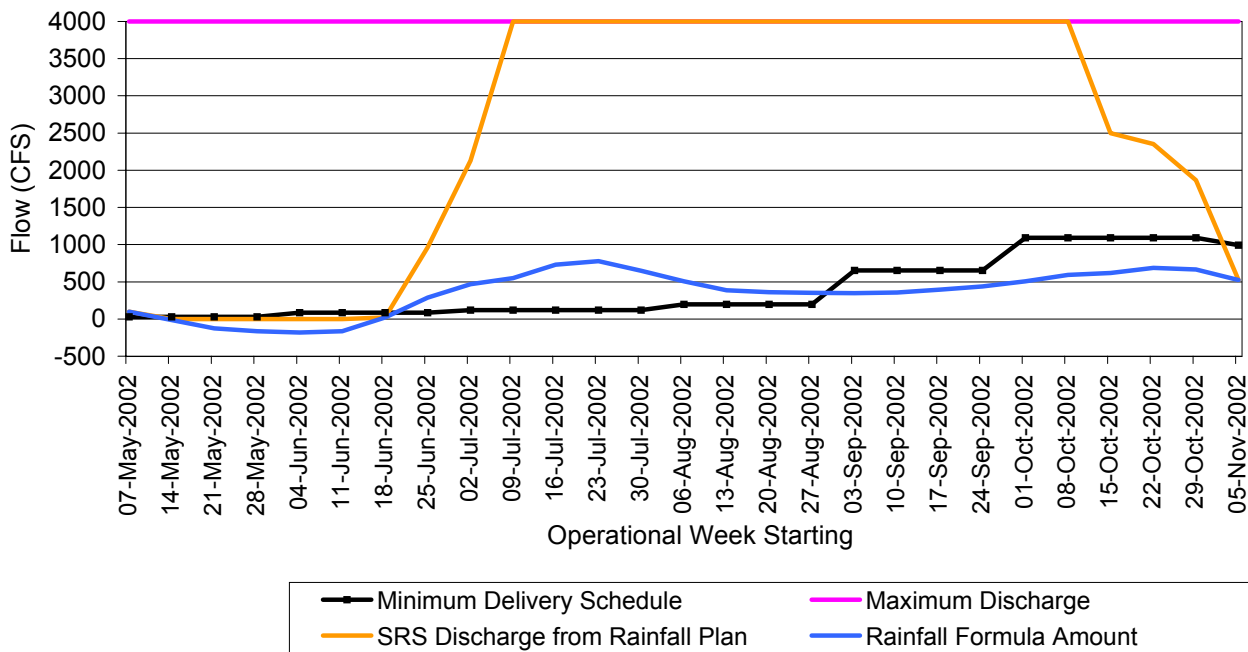
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 November 12, 2002 to November 18, 2002 **379 cfs**

S-12 Discharge 171 cfs
 S-333 Discharge 209 cfs

----- Data Summary ----- November 1, 2002 to November 8, 2002
 WCA-3A Stage (end of week) 10.25 ft. msl
 Angel's 6.13 ft. msl
 G3273 6.83 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.14	0.78
S-8	0.01	
S-9	0.19	
S-140	0.00	1.38
S-12D	0.00	
S-336	0.00	
ENP	0.08	M
Gage 63	0.27	
Gage 64	0.18	
Gage 65	0.05	
This Week's Avg	0.09	1.08
Pre-Project Avg	0.56	0.97

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

WCA-3A is in Zone E

Supplemental discharge is 0 cfs
 Distance to Bottom of Transition Zone 0.25 feet
 Distance to Bottom of Regulatory Zone 0.50 feet

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

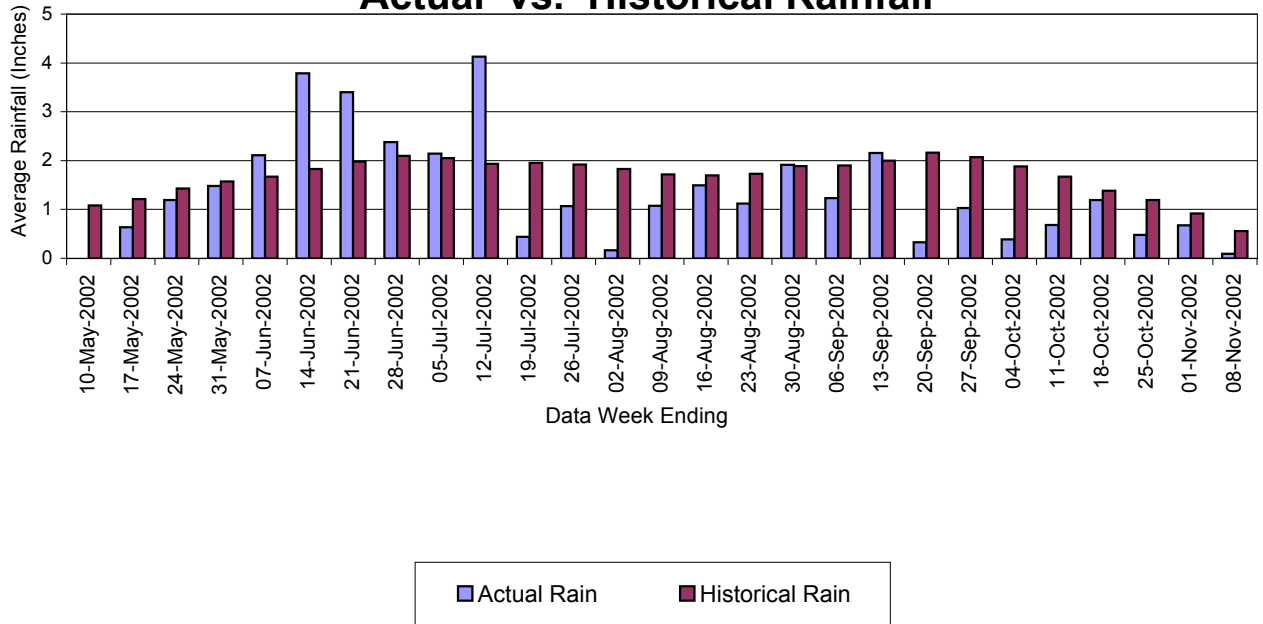
Rainfall Formula Amount 379 cfs
 Last Week's Rainfall Formula 524 cfs
 Pre-Project Mean Discharge 937 cfs

Rainfall Excess Terms
RL1 -0.94 RL2 -3.93 RL3 -4.08

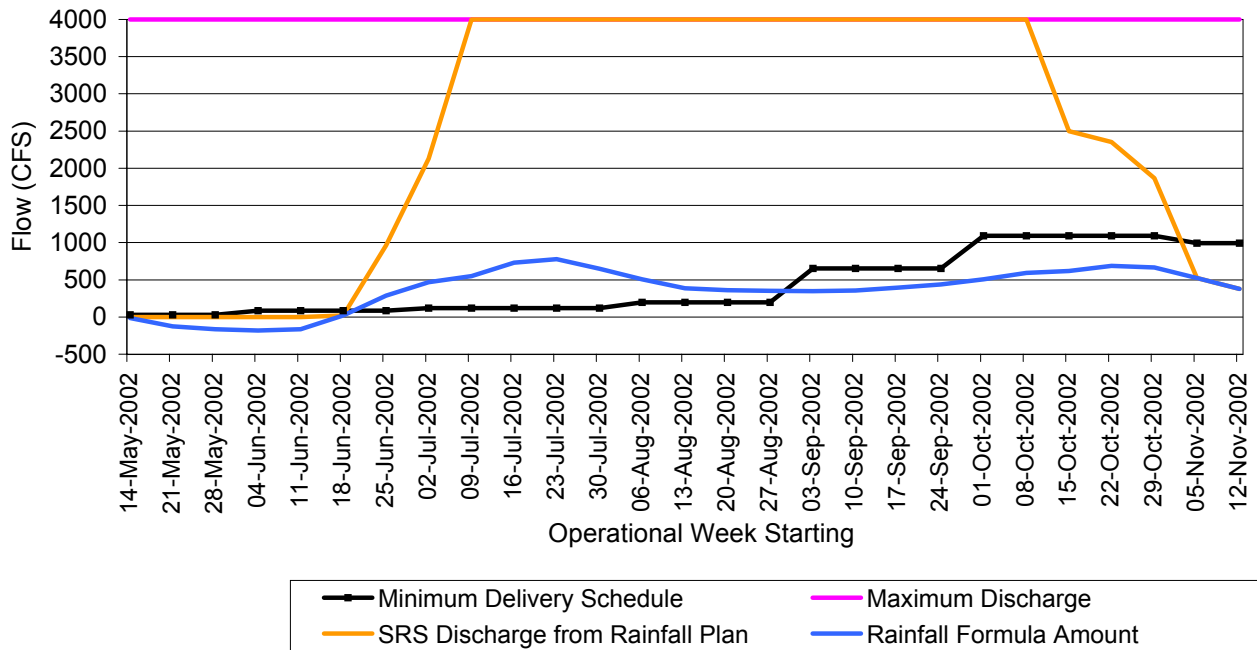
COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S-140 data was used.

***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 November 19, 2002 to November 25, 2002 **263 cfs**

S-12 Discharge 118 cfs
 S-333 Discharge 145 cfs

----- Data Summary ----- **November 8, 2002 to November 15, 2002**
 WCA-3A Stage (end of week) 10.19 ft. msl
 Angel's 5.85 ft. msl
 G3273 6.68 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.04	M
S-8	0.03	
S-9	0.14	
S-140	0.05	1.30
S-12D	0.28	
S-336	0.04	
ENP	0.69	M
Gage 63	0.32	
Gage 64	0.37	
Gage 65	0.86	
This Week's Avg	0.28	1.30
Pre-Project Avg	0.40	0.91

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

WCA-3A is in Zone E

Supplemental discharge is 0 cfs
 Distance to Bottom of Transition Zone 0.31 feet
 Distance to Bottom of Regulatory Zone 0.56 feet

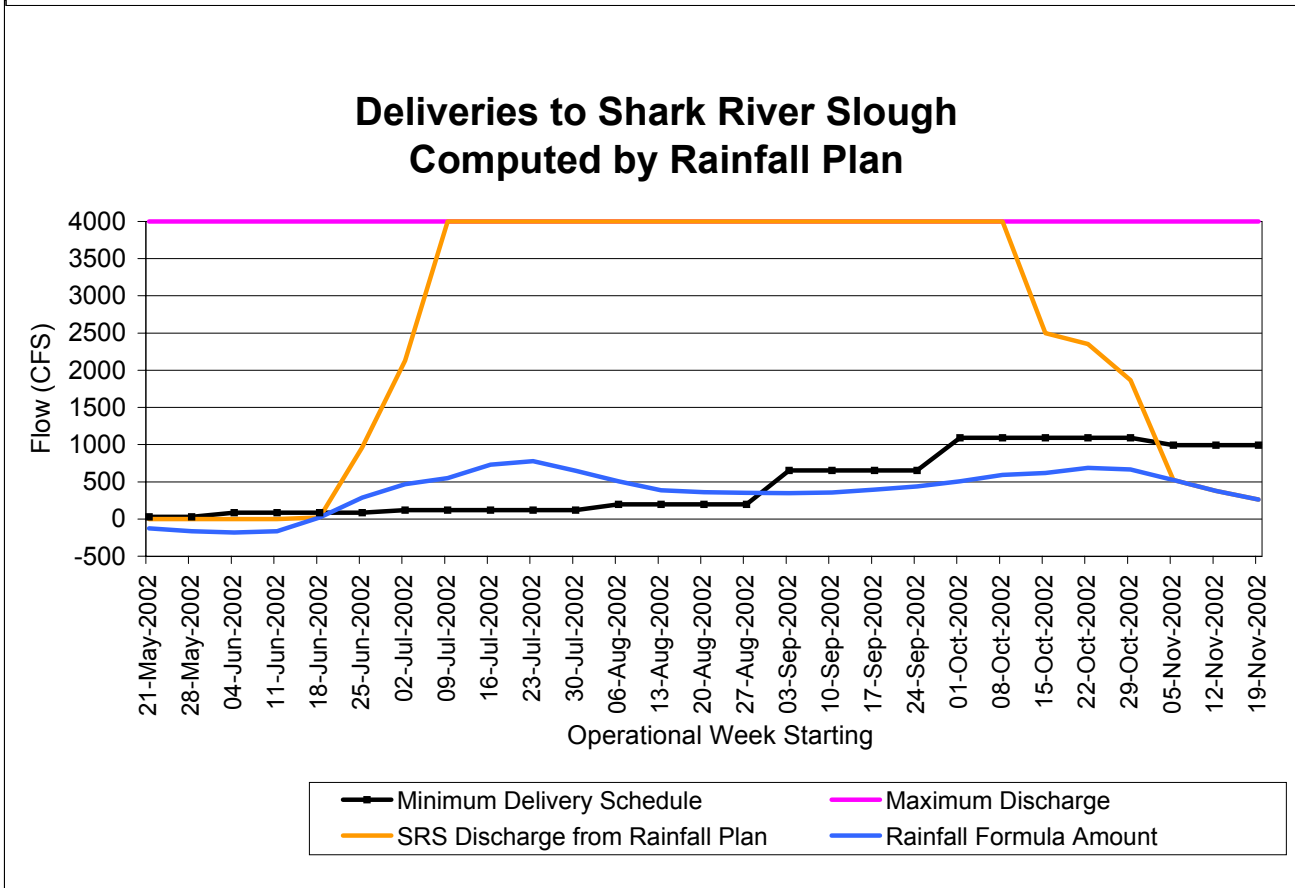
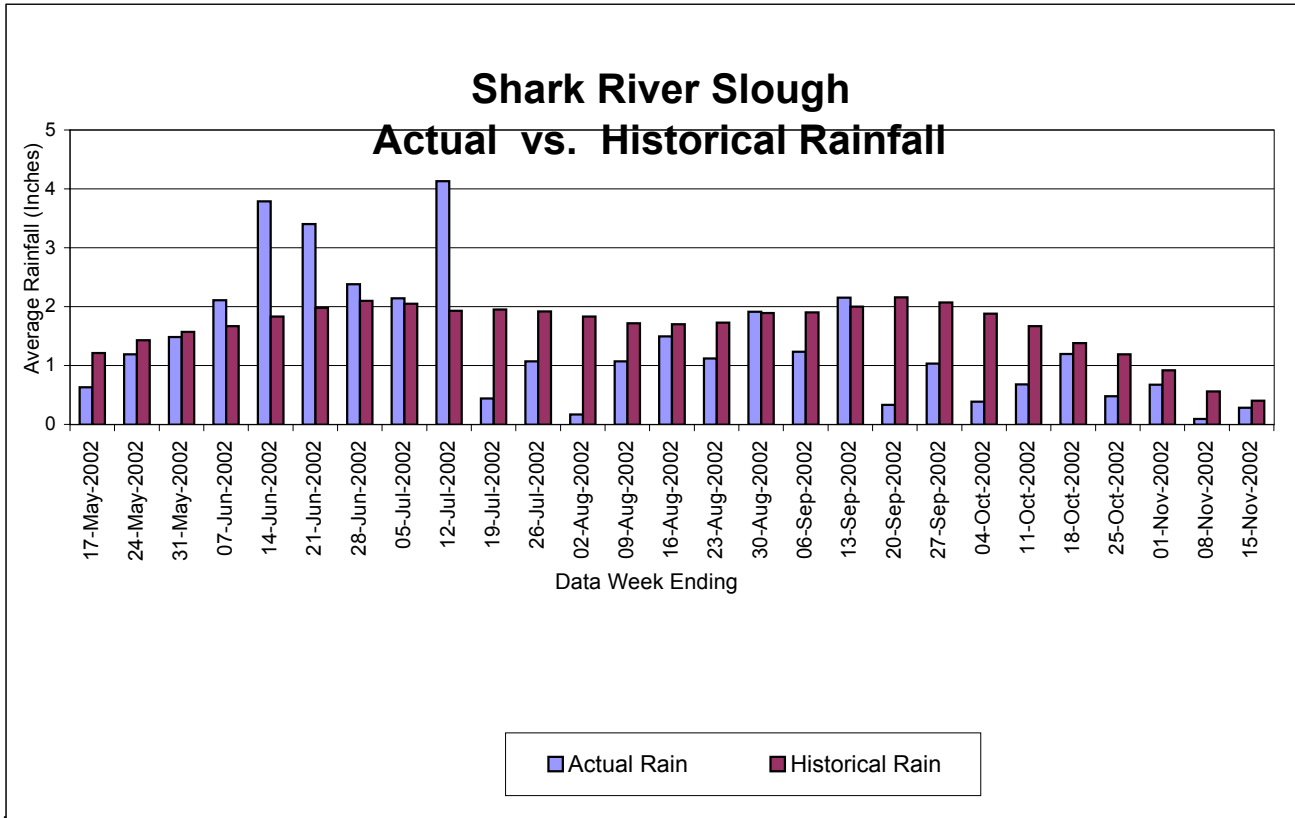
----- Statistical Parameters -----

Rainfall Formula Amount 263 cfs
 Last Week's Rainfall Formula 379 cfs
 Pre-Project Mean Discharge 820 cfs

Rainfall Excess Terms
RL1 -0.99 RL2 -2.64 RL3 -5.13

COMMENT: ENP and S-7 pan evaporation values are low and marked missing. Only S-140 data was used.

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



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow November 26, 2002 to December 2, 2002 **260 cfs**

S-12 Discharge	117 cfs
S-333 Discharge	143 cfs

----- Data Summary ----- November 15, 2002 to **November 22, 2002**

WCA-3A Stage (end of week)	10.28	ft. msl
Angel's	6.28	ft. msl
G3273	6.91	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.86	M
S-8	0.92	
S-9	2.01	
S-140	0.23	0.69
S-12D	2.48	
S-336	2.30	
ENP	M	M
Gage 63	1.30	
Gage 64	1.73	
Gage 65	<u>2.27</u>	
<hr style="width: 100%;"/>		
This Week's Avg	1.68	<u>0.69</u>
Pre-Project Avg	0.32	0.87

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

WCA-3A is in Zone E

Supplemental discharge is	0 cfs
Distance to Bottom of Transition Zone	0.22 feet
Distance to Bottom of Regulatory Zone	0.47 feet

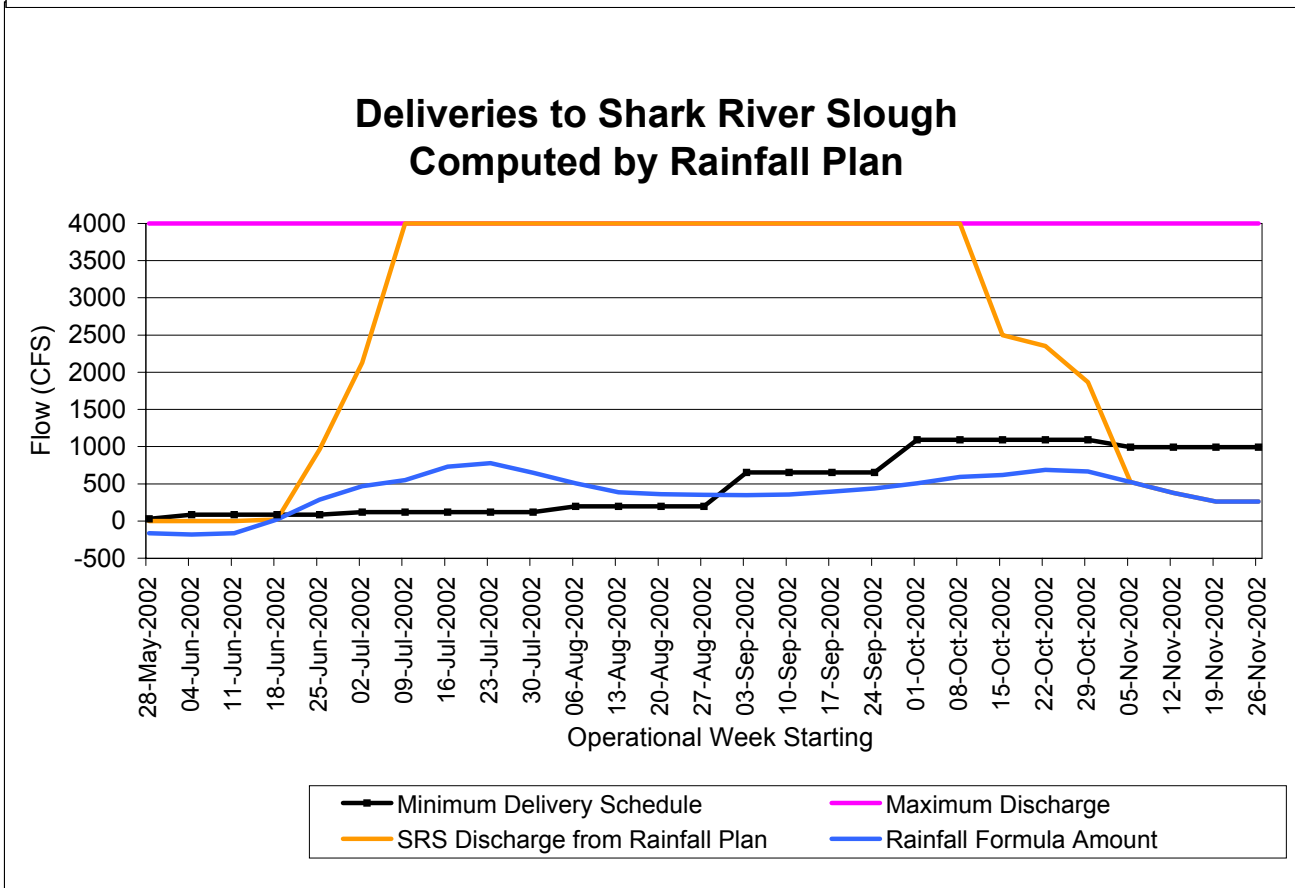
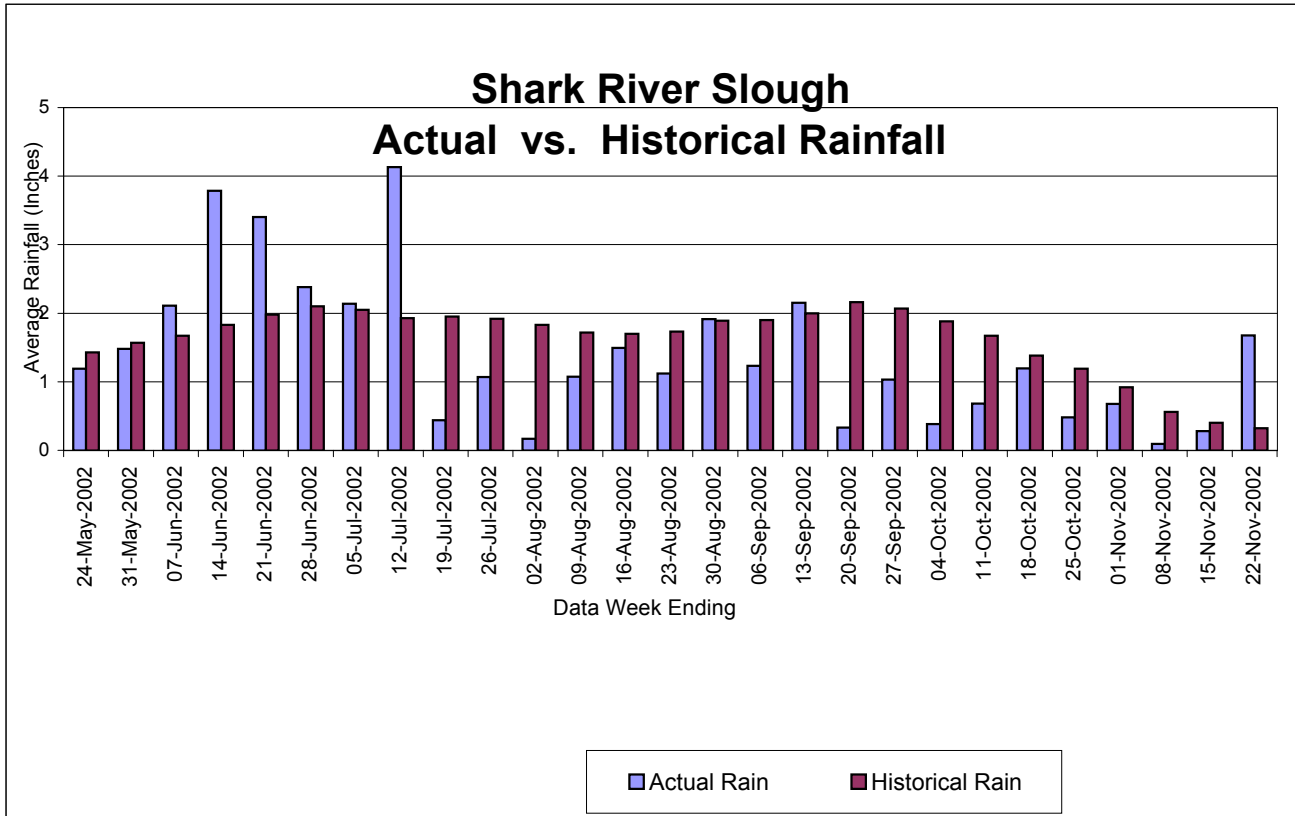
----- Statistical Parameters -----

Rainfall Formula Amount	260 cfs
Last Week's Rainfall Formula	263 cfs
Pre-Project Mean Discharge	689 cfs

Rainfall Excess Terms			
	RL1 1.07	RL2 -2.13	RL3 -6.19

COMMENT: ENP and S-7 pan evaporation values are low and marked missing. Only S-140 data was used

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



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow December 3, 2002 to December 9, 2002 **275 cfs**

S-12 Discharge 124 cfs
 S-333 Discharge 151 cfs

----- Data Summary ----- November 22, 2002 to November 29, 2002
 WCA-3A Stage (end of week) 10.21 ft. msl
 Angel's 6.04 ft. msl
 G3273 6.77 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	0.57
S-8	0.00	
S-9	0.00	
S-140	0.02	0.59
S-12D	0.00	
S-336	0.00	
ENP	0.00	0.66
Gage 63	0.00	
Gage 64	0.01	
Gage 65	0.00	
This Week's Avg	0.00	0.61
Pre-Project Avg	0.29	0.82

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

WCA-3A is in Zone E

Supplemental discharge is 0 cfs
 Distance to Bottom of Transition Zone 0.29 feet
 Distance to Bottom of Regulatory Zone 0.54 feet

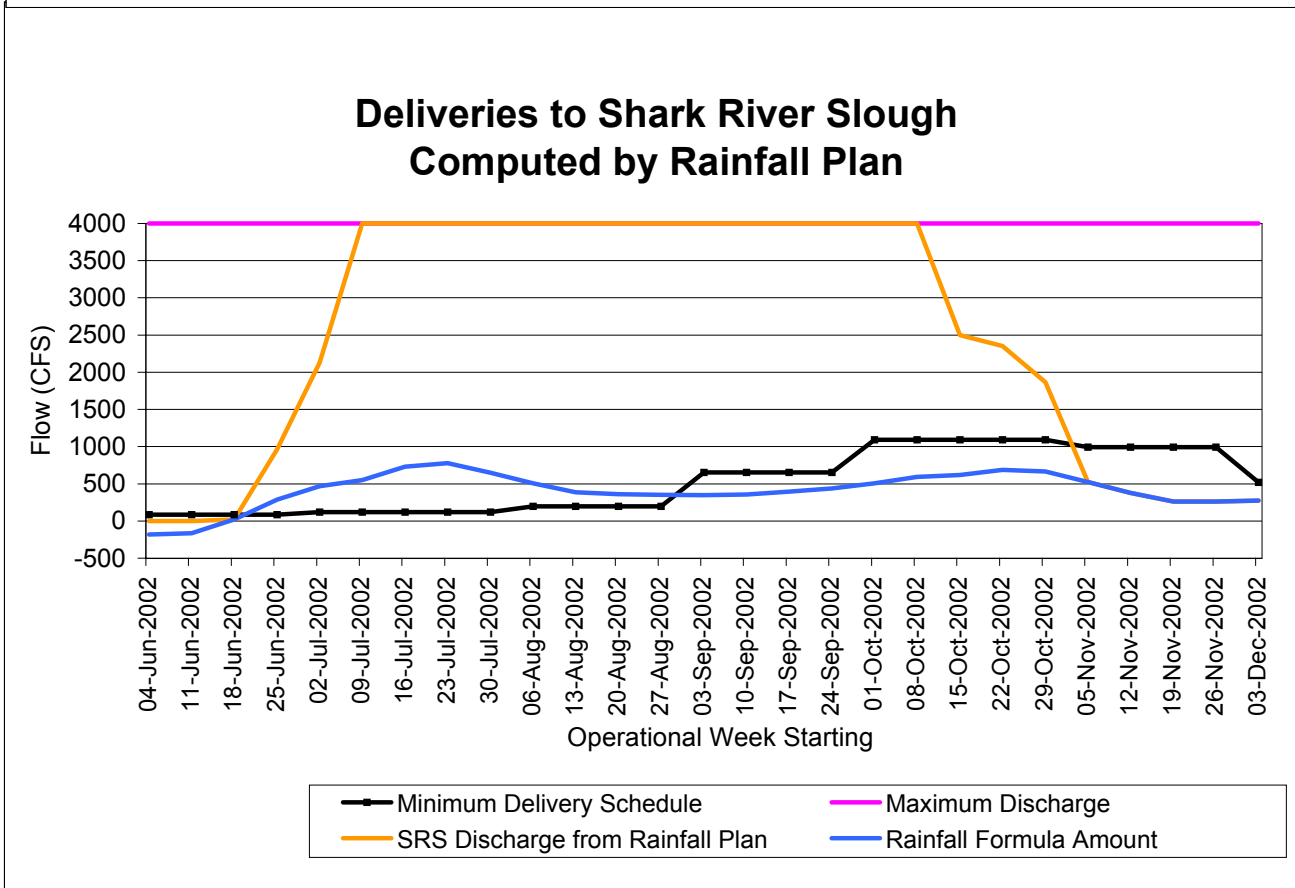
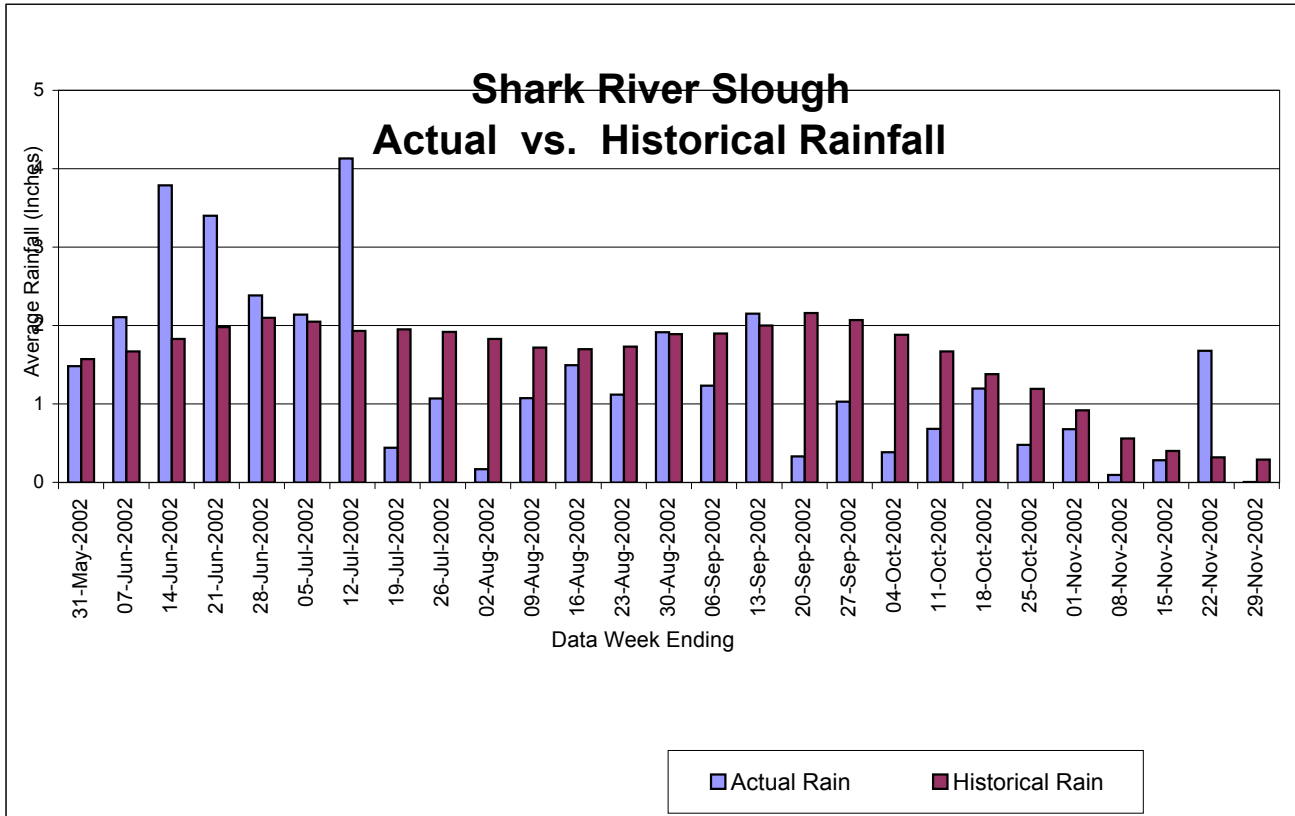
----- Statistical Parameters -----

Rainfall Formula Amount 275 cfs
 Last Week's Rainfall Formula 260 cfs
 Pre-Project Mean Discharge 566 cfs

Rainfall Excess Terms
RL1 1.39 RL2 -2.11 RL3 -4.49

COMMENT: ENP and S-7 pan evaporation values are low and marked missing. Only S-140 data was used.

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



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow December 10, 2002 to December 16, 2002 **182 cfs**

S-12 Discharge **82 cfs**
 S-333 Discharge **100 cfs**

----- Data Summary ----- November 29, 2002 to **December 6, 2002**
 WCA-3A Stage (end of week) **10.15** ft. msl
 Angel's **5.80** ft. msl
 G3273 **6.60** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.09	0.87
S-8	0.07	
S-9	0.00	
S-140	0.15	0.67
S-12D	0.00	
S-336	0.00	
ENP	M	M
Gage 63	0.03	
Gage 64	0.02	
Gage 65	0.00	
This Week's Avg	0.04	0.77
Pre-Project Avg	0.27	0.80

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

WCA-3A is in Zone E

Supplemental discharge is **0 cfs**
 Distance to Bottom of Transition Zone **0.35 feet**
 Distance to Bottom of Regulatory Zone **0.60 feet**

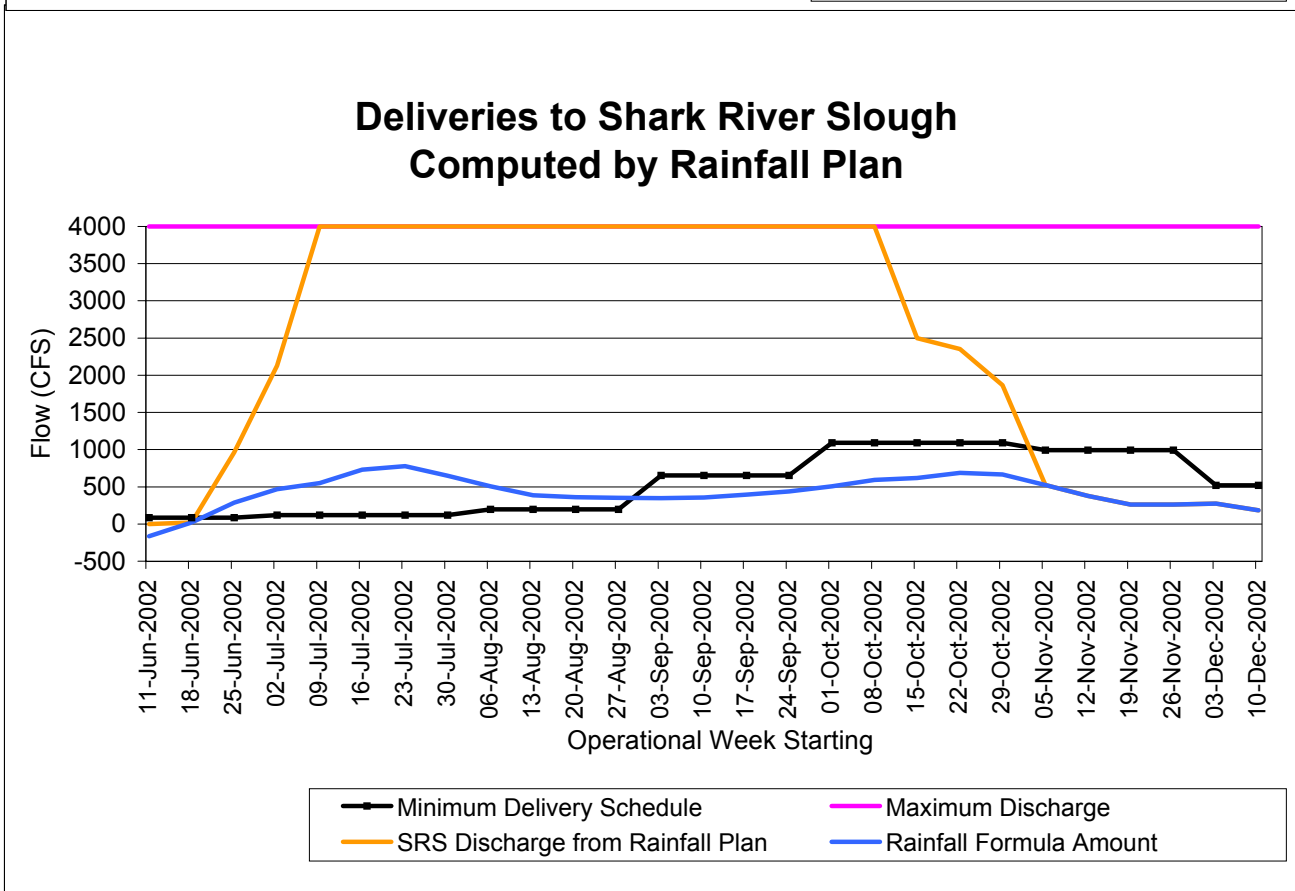
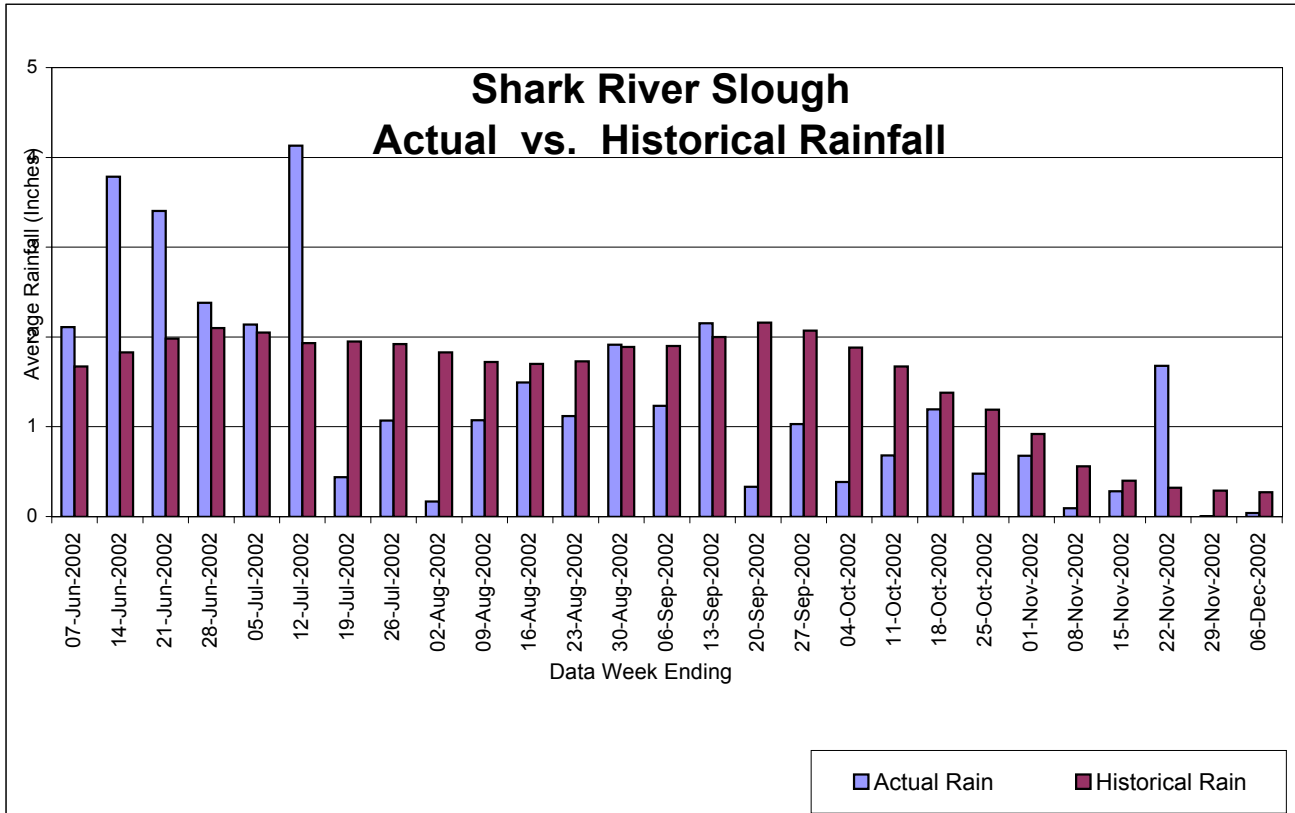
----- Statistical Parameters -----

Rainfall Formula Amount **182 cfs**
 Last Week's Rainfall Formula **275 cfs**
 Pre-Project Mean Discharge **462 cfs**

Rainfall Excess Terms
RL1 **-0.32** RL2 **0.13** RL3 **-3.93**

COMMENT: ENP pan evaporation value is low and marked missing. Only S-7 and S-140 data was used

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



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow December 17, 2002 to December 23, 2002 **279 cfs**

S-12 Discharge 126 cfs
 S-333 Discharge 154 cfs

----- Data Summary ----- December 6, 2002 to December 13, 2002
 WCA-3A Stage (end of week) 10.36 ft. msl
 Angel's 6.77 ft. msl
 G3273 6.97 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	1.56	0.61
S-8	1.83	
S-9	1.69	
S-140	2.52	M
S-12D	1.73	
S-336	3.45	
ENP	M	M
Gage 63	2.51	
Gage 64	4.64	
Gage 65	2.35	
This Week's Avg	2.48	0.61
Pre-Project Avg	0.24	0.78

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

WCA-3A is in Zone E

Supplemental discharge is 0 cfs
 Distance to Bottom of Transition Zone 0.14 feet
 Distance to Bottom of Regulatory Zone 0.39 feet

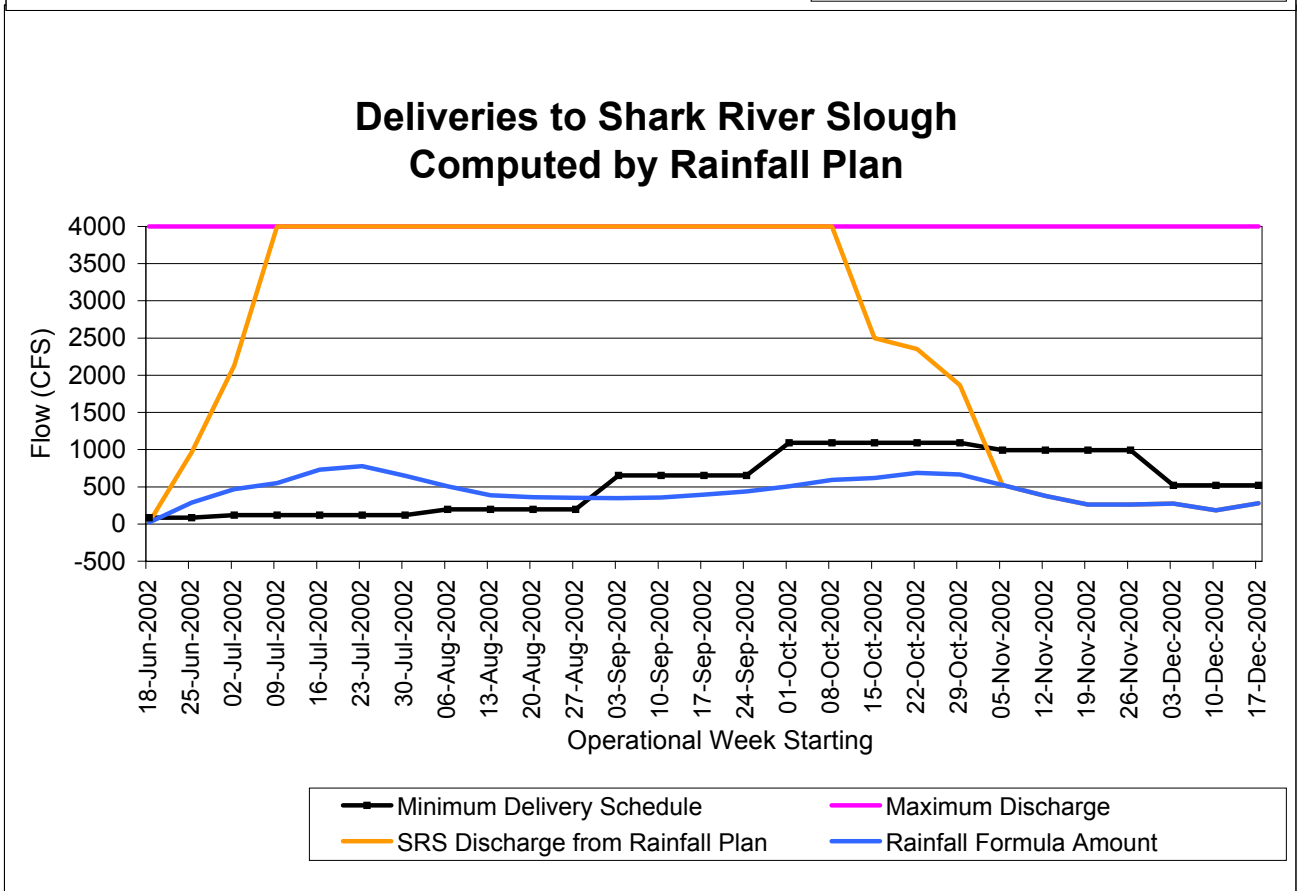
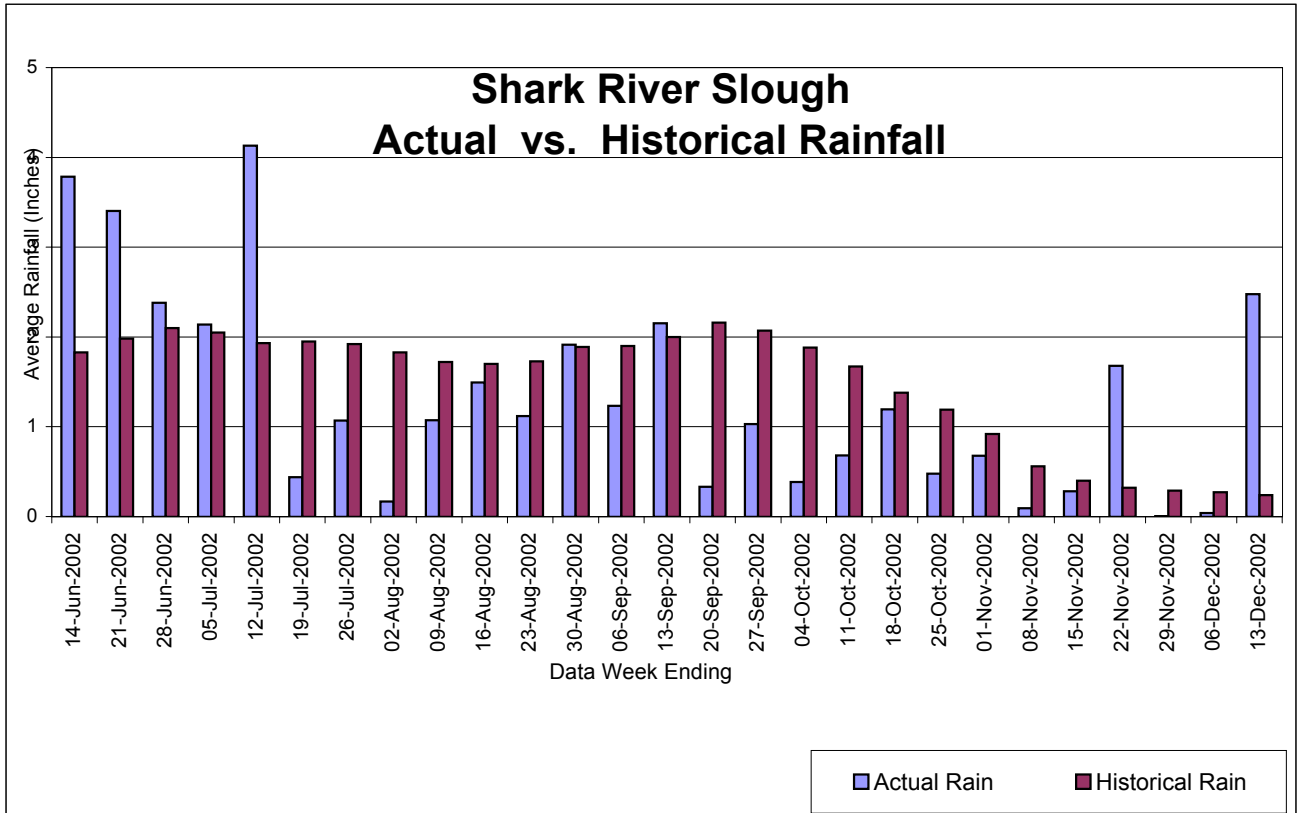
----- Statistical Parameters -----

Rainfall Formula Amount 279 cfs
 Last Week's Rainfall Formula 182 cfs
 Pre-Project Mean Discharge 376 cfs

Rainfall Excess Terms
RL1 2.17 RL2 0.40 RL3 -2.64

COMMENT: ENP and S140 pan evaporation value is low and marked missing. Only S-7 data was used.

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



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow December 24, 2002 to December 30, 2002 **410 cfs**

S-12 Discharge 184 cfs
 S-333 Discharge 225 cfs

----- Data Summary ----- December 13, 2002 to December 20, 2002
 WCA-3A Stage (end of week) 10.36 ft. msl
 Angel's 6.28 ft. msl
 G3273 6.83 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.26	0.54
S-8	0.42	
S-9	0.04	
S-140	0.04	0.58
S-12D	0.03	
S-336	0.00	
ENP	M	M
Gage 63	0.05	
Gage 64	0.02	
Gage 65	0.20	
This Week's Avg	0.12	0.56
Pre-Project Avg	0.24	0.76

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

WCA-3A is in Zone E

Supplemental discharge is 0 cfs
 Distance to Bottom of Transition Zone 0.14 feet
 Distance to Bottom of Regulatory Zone 0.39 feet

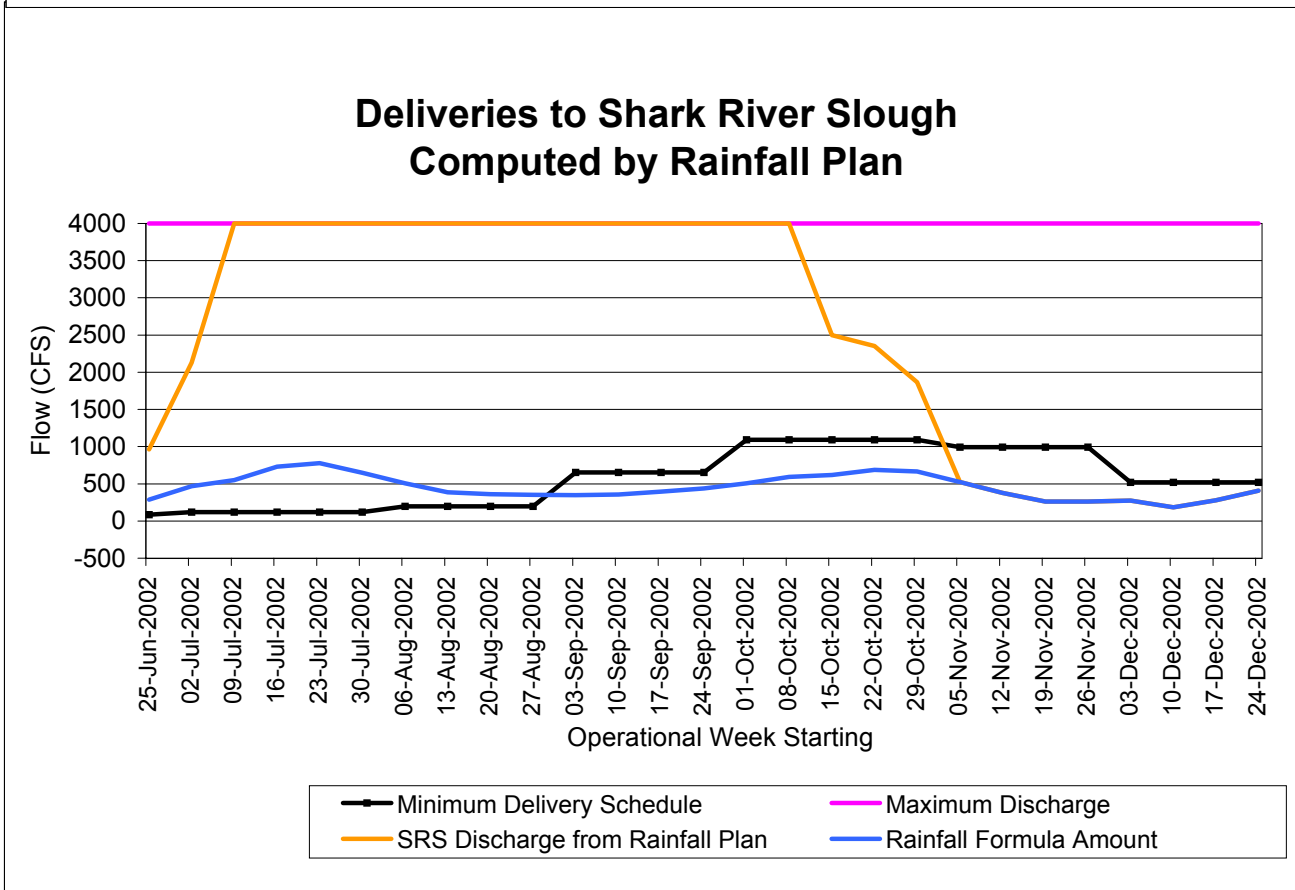
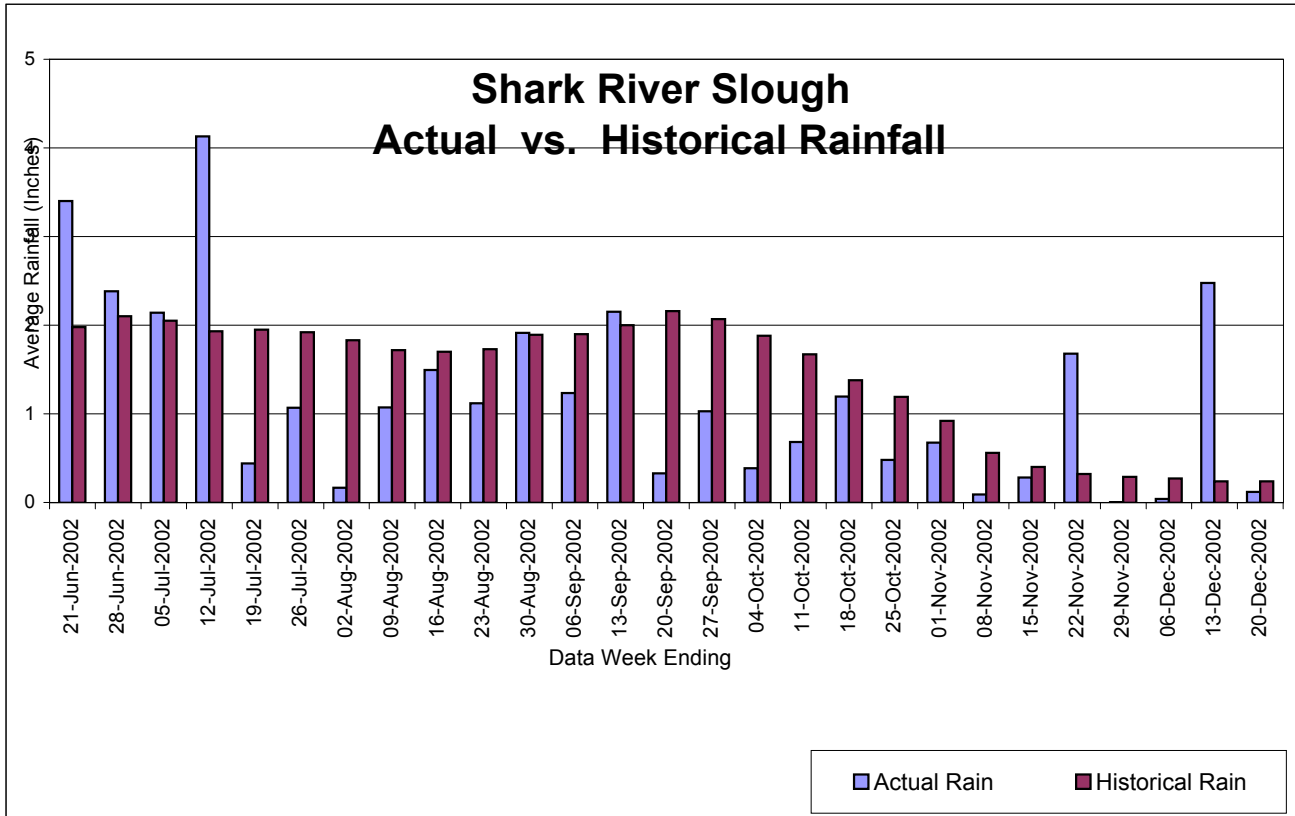
----- Statistical Parameters -----

Rainfall Formula Amount 410 cfs
 Last Week's Rainfall Formula 279 cfs
 Pre-Project Mean Discharge 321 cfs

Rainfall Excess Terms
RL1 2.41 RL2 0.75 RL3 -2.13

COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S140 data was used.

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



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow December 31, 2002 to January 6, 2003 388 cfs

S-12 Discharge 175 cfs
 S-333 Discharge 214 cfs

----- Data Summary ----- December 20, 2002 to December 27, 2002
 WCA-3A Stage (end of week) 10.35 ft. msl
 Angel's 5.99 ft. msl
 G3273 6.67 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.37	0.93
S-8	0.00	
S-9	0.00	
S-140	0.04	0.91
S-12D	0.68	
S-336	0.59	
ENP	0.21	M
Gage 63	0.07	
Gage 64	0.00	
Gage 65	0.02	
This Week's Avg	0.20	0.92
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 0.15 feet
 Distance to Bottom of Regulatory Zone 0.40 feet

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

Rainfall Formula Amount 388 cfs
 Last Week's Rainfall Formula 410 cfs
 Pre-Project Mean Discharge 281 cfs

Rainfall Excess Terms
RL1 -0.14 RL2 3.55 RL3 -2.11

COMMENT: ENP pan evaporation value is low and marked missing. S-7 and S140 data was used.

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

