

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow	July 24, 2001	to	July 30, 2001	51 cfs
S-12 Discharge	23		cfs	
S-333 Discharge	28		cfs	

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

	July 13, 2001	to	July 20, 2001
WCA-3A Stage (end of week)	9.32		ft. msl
Angel's	5.78		ft. msl
G3273	6.20		ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	2.57	1.69
S-8	1.76	
S-9	2.19	
S-140	4.68	0.93
S-12D	3.27	
S-336	2.60	
ENP	7.03	0.71
Gage 63	3.07	
Gage 64	2.72	
Gage 65	3.83	
This Week's Avg	3.37	1.11
Pre-Project Avg	1.95	1.43

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

WCA-3A is in Zone E

Supplemental discharge is	0.00 cfs
Distance to Bottom of Transition Zone	0.01 feet
Distance to Bottom of Regulatory Zone	1.01 feet

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

Rainfall Formula Amount	51 cfs
Last Week's Rainfall Formula	-102 cfs
Pre-Project Mean Discharge	148 cfs

Rainfall Excess Terms

RL1	1.47	RL2	-3.16	RL3	0.90
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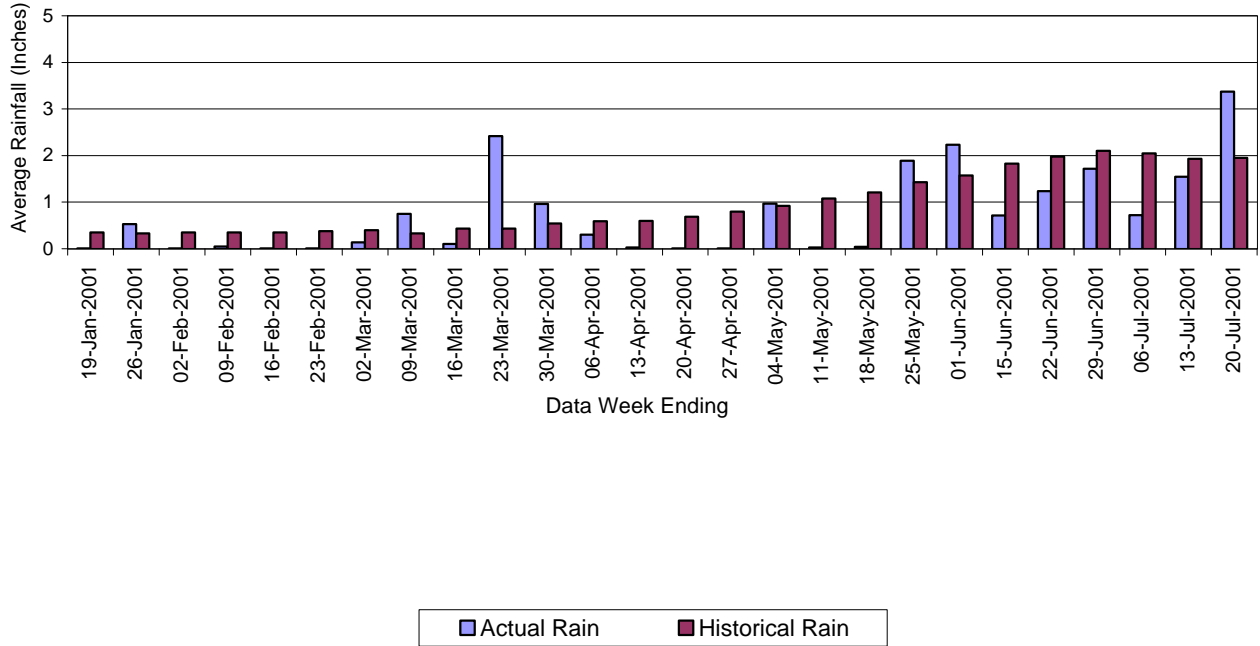
***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

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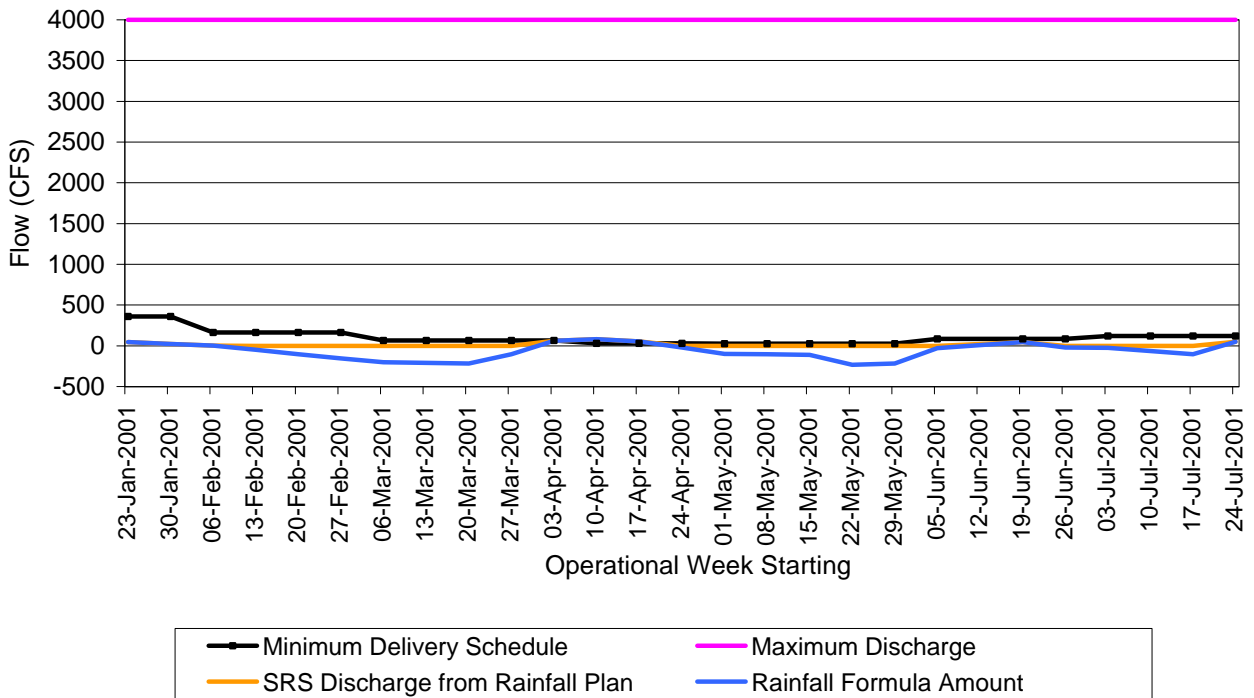
Distribution

S. Burns, 4320	D. Powell, 4310	R. Johnson, ENP
J. Schweigart, 3110	C. Woehlcke, 4330	K. Kotun, ENP
J. Hall, 5210	E. Damisse, 6423	T. Van Lent, ENP (email)
R. Mierau, 5610	W. Abteu, 6442	R. Ghioto (email)
T. Strowd, 5610	T. Bechtel, 6442	B. Waller (email)
J. Obeysekera, 4340	L. Lindstrom, 6441	J. Vearil, COE
Y. Wu, 4440	C. Pathak, 6442	B. Sobczak, NPS (email)
		W. Galazzi, COE (email)

Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan, January 23, 2001 - July 24, 2001



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow July 31, 2001 to August 6, 2001 1177 cfs

S-12 Discharge 530 cfs
 S-333 Discharge 648 cfs

----- **Data Summary** ----- **July 20, 2001 to July 27, 2001**
 WCA-3A Stage (end of week) 9.72 ft. msl
 Angel's 5.80 ft. msl
 G3273 6.31 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	6.16	0.68
S-8	2.14	
S-9	M	
S-140	5.36	1.27
S-12D	1.54	
S-336	1.21	
ENP	1.16	0.99
Gage 63	5.71	
Gage 64	2.94	
Gage 65	1.38	
This Week's Avg	3.07	0.98
Pre-Project Avg	1.92	1.42

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

WCA-3A is in Zone D

Supplemental discharge is 869 cfs
 Distance to Bottom of Transition Zone -0.35 feet
 Distance to Bottom of Regulatory Zone 0.65 feet

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

Rainfall Formula Amount 309 cfs
 Last Week's Rainfall Formula 51 cfs
 Pre-Project Mean Discharge 162 cfs

Rainfall Excess Terms

RL1	3.18	RL2	-2.16	RL3	1.18
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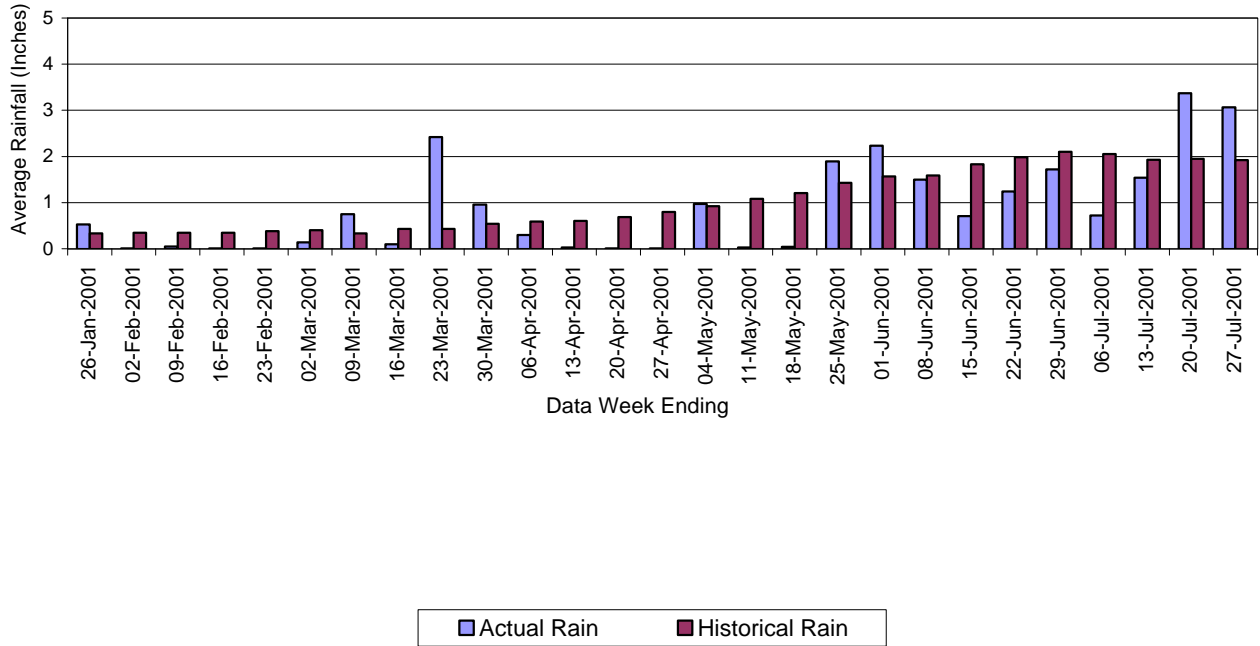
***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

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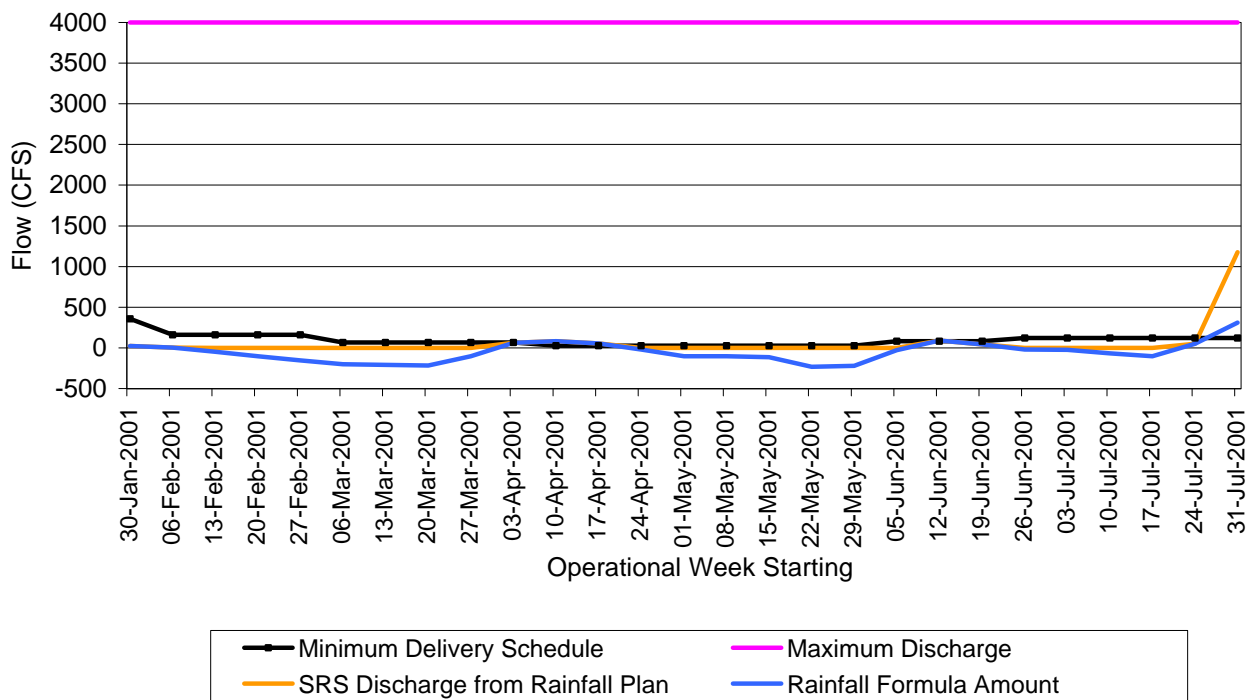
Distribution

S. Burns, 4320	D. Powell, 4310	R. Johnson, ENP
J. Schweigart, 3110	C. Woehlcke, 4330	K. Kotun, ENP
J. Hall, 5210	E. Damsse, 6423	T. Van Lent, ENP (email)
R. Mierau, 5610	W. Abteu, 6442	R. Ghioto (email)
T. Strowd, 5610	T. Bechtel, 6442	B. Waller (email)
J. Obeysekera, 4340	L. Lindstrom, 6441	J. Vearil, COE
Y. Wu, 4440	C. Pathak, 6442	B. Sobczak, NPS (email)
		W. Galazzi, COE (email)

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 7, 2001 to August 13, 2001 2611 cfs

S-12 Discharge 1175 cfs
 S-333 Discharge 1436 cfs

----- Data Summary ----- July 27, 2001 to August 3, 2001
 WCA-3A Stage (end of week) 10.23 ft. msl
 Angel's 6.50 ft. msl
 G3273 6.57 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	2.62	1.31
S-8	2.93	
S-9	6.14	
S-140	3.65	1.23
S-12D	3.25	
S-336	3.95	
ENP	4.62	1.02
Gage 63	3.78	
Gage 64	4.20	
Gage 65	4.87	
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This Week's Avg	4.00	1.19
Pre-Project Avg	1.83	1.42

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

WCA-3A is in Zone B

Supplemental discharge is 2029 cfs
 Distance to Bottom of Transition Zone -0.81 feet
 Distance to Bottom of Regulatory Zone 0.19 feet

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

Rainfall Formula Amount 581 cfs
 Last Week's Rainfall Formula 309 cfs
 Pre-Project Mean Discharge 175 cfs

Rainfall Excess Terms

RL1	3.86	RL2	0.15	RL3	-0.41
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***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

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Distribution

- | | | |
|---------------------|--------------------|--------------------------|
| S. Burns, 4320 | D. Powell, 4310 | R. Johnson, ENP |
| J. Schweigart, 3110 | C. Woehlcke, 4330 | K. Kotun, ENP |
| J. Hall, 5210 | E. Damsse, 6423 | T. Van Lent, ENP (email) |
| R. Mierau, 5610 | W. Abteu, 6442 | R. Ghioto (email) |
| T. Strowd, 5610 | T. Bechtel, 6442 | B. Waller (email) |
| J. Obeysekera, 4340 | L. Lindstrom, 6441 | J. Vearil, COE |
| Y. Wu, 4440 | C. Pathak, 6442 | B. Sobczak, NPS (email) |
| | | W. Galazzi, COE (email) |

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow August 14, 2001 to August 20, 2001 2973 cfs

S-12 Discharge 1338 cfs
 S-333 Discharge 1635 cfs

----- Data Summary ----- August 3, 2001 to August 10, 2001
 WCA-3A Stage (end of week) 10.39 ft. msl
 Angel's 6.31 ft. msl
 G3273 6.61 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.54	1.52
S-8	0.14	
S-9	1.71	
S-140	0.46	2.14
S-12D	M	
S-336	1.46	
ENP	0.90	1.14
Gage 63	0.38	
Gage 64	0.30	
Gage 65	0.68	
This Week's Avg	0.73	1.60
Pre-Project Avg	1.72	1.42

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

WCA-3A is in Zone B

Supplemental discharge is 2315 cfs
 Distance to Bottom of Transition Zone -0.93 feet
 Distance to Bottom of Regulatory Zone 0.07 feet

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

Rainfall Formula Amount 658 cfs
 Last Week's Rainfall Formula 581 cfs
 Pre-Project Mean Discharge 185 cfs

Rainfall Excess Terms

RL1	1.22	RL2	1.85	RL3	-1.91
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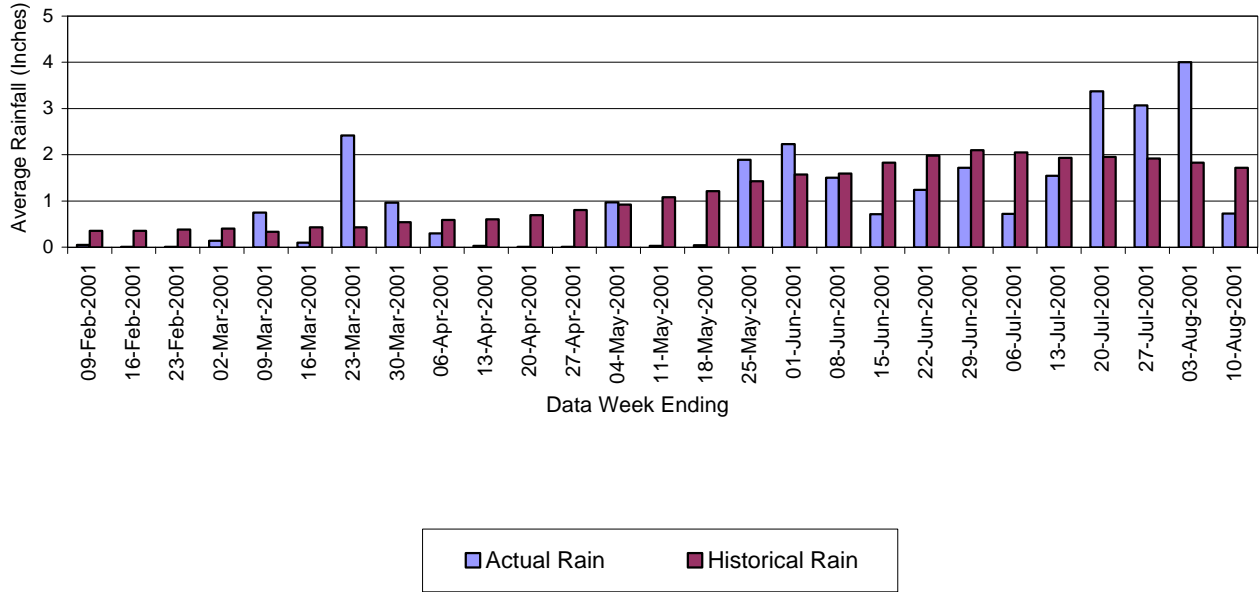
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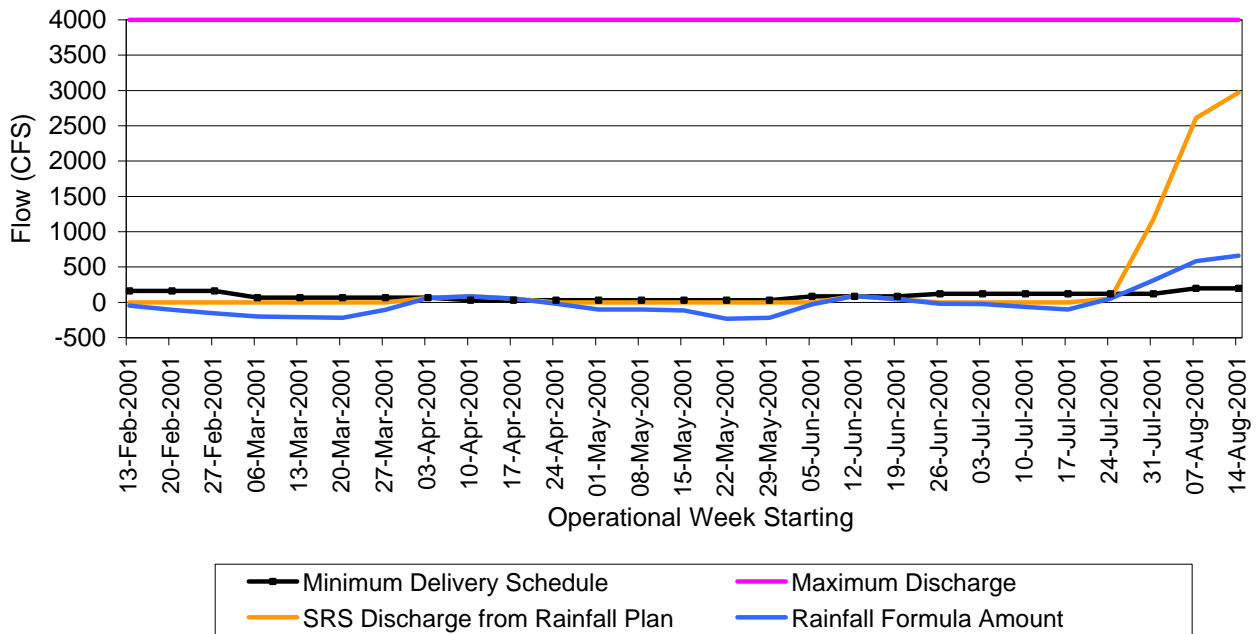
Distribution

S. Burns, 4320	D. Powell, 4310	R. Johnson, ENP
J. Schweigart, 3110	C. Woehlcke, 4330	K. Kotun, ENP
J. Hall, 5210	E. Damisse, 6423	T. Van Lent, ENP (email)
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Y. Wu, 4440	C. Pathak, 6442	B. Sobczak, NPS (email)
		W. Galazzi, COE (email)

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 21, 2001 to August 27, 2001 2848 cfs

S-12 Discharge	1282 cfs
S-333 Discharge	1566 cfs

----- **Data Summary** ----- **August 10, 2001 to August 17, 2001**

WCA-3A Stage (end of week)	10.43	ft. msl
Angel's	5.90	ft. msl
G3273	6.60	ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	1.83
S-8	0.08	
S-9	3.48	
S-140	0.02	1.79
S-12D	0.00	
S-336	0.25	
ENP	0.06	1.50
Gage 63	1.27	
Gage 64	0.27	
Gage 65	0.32	
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This Week's Avg	0.58	1.71
Pre-Project Avg	1.70	1.39

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

WCA-3A is in Zone B

Supplemental discharge is	2300 cfs
Distance to Bottom of Transition Zone	-0.92 feet
Distance to Bottom of Regulatory Zone	0.08 feet

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

Rainfall Formula Amount	547 cfs
Last Week's Rainfall Formula	658 cfs
Pre-Project Mean Discharge	199 cfs

Rainfall Excess Terms	RL1 -2.51	RL2 5.33	RL3 -3.17
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***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

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Distribution

S. Burns, 4320	D. Powell, 4310	R. Johnson, ENP
J. Schweigart, 3110	C. Woehlcke, 4330	K. Kotun, ENP
J. Hall, 5210	E. Damisse, 6423	T. Van Lent, ENP (email)
R. Mierau, 5610	W. Abteu, 6442	R. Ghioto (email)
T. Strowd, 5610	T. Bechtel, 6442	B. Waller (email)
J. Obeysekera, 4340	L. Lindstrom, 6441	J. Vearil, COE
Y. Wu, 4440	C. Pathak, 6442	B. Sobczak, NPS (email)
		W. Galazzi, COE (email)

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow August 28, 2001 to September 3, 2001 2536 cfs

S-12 Discharge 1141 cfs
 S-333 Discharge 1395 cfs

----- **Data Summary** ----- **August 17, 2001 to August 24, 2001**
 WCA-3A Stage (end of week) 10.38 ft. msl
 Angel's 6.13 ft. msl
 G3273 6.62 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.46	1.69
S-8	0.16	
S-9	3.40	
S-140	1.33	1.23
S-12D	0.04	
S-336	1.16	
ENP	1.09	0.81
Gage 63	0.73	
Gage 64	0.75	
Gage 65	0.37	
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This Week's Avg	0.95	1.24
Pre-Project Avg	1.73	1.40

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

WCA-3A is in Zone B

Supplemental discharge is 2061 cfs
 Distance to Bottom of Transition Zone -0.82 feet
 Distance to Bottom of Regulatory Zone 0.18 feet

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

Rainfall Formula Amount 475 cfs
 Last Week's Rainfall Formula 547 cfs
 Pre-Project Mean Discharge 223 cfs

Rainfall Excess Terms

RL1	-2.03	RL2	4.40	RL3	-2.16
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***NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.**

(continued on reverse side)

Distribution

S. Burns, 4320	D. Powell, 4310	R. Johnson, ENP
J. Schweigart, 3110	C. Woehlcke, 4330	K. Kotun, ENP
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Y. Wu, 4440	C. Pathak, 6442	B. Sobczak, NPS (email)
		W. Galazzi, COE (email)

WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow September 4, 2001 to September 10, 2001 **1819 cfs**

S-12 Discharge **818 cfs**
 S-333 Discharge **1000 cfs**

----- Data Summary ----- **August 24, 2001** to **August 31, 2001**
 WCA-3A Stage (end of week) **10.19** ft. msl
 Angel's **5.94** ft. msl
 G3273 **6.72** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.03	1.85
S-8	0.13	
S-9	0.00	
S-140	0.00	1.94
S-12D	0.01	
S-336	0.00	
ENP	0.00	1.84
Gage 63	0.32	
Gage 64	0.00	
Gage 65	0.10	
This Week's Avg	0.06	1.88
Pre-Project Avg	1.89	1.36

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

WCA-3A is in Zone B

Supplemental discharge is **1472 cfs**
 Distance to Bottom of Transition Zone **-0.59 feet**
 Distance to Bottom of Regulatory Zone **0.41 feet**

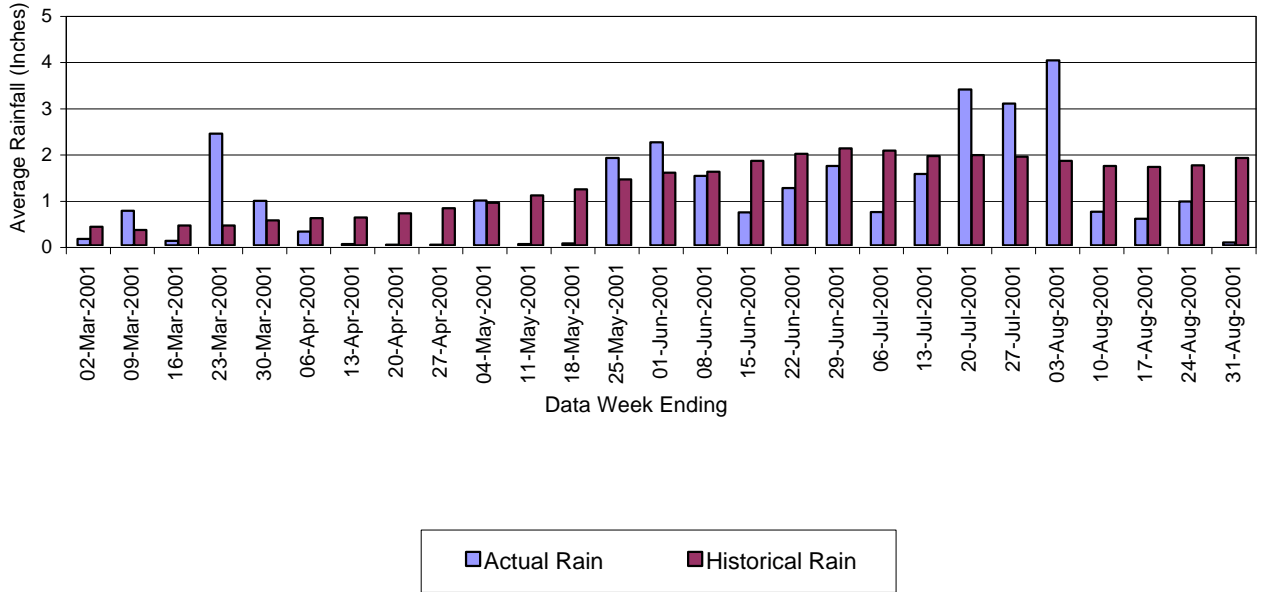
----- Statistical Parameters -----

Rainfall Formula Amount **347 cfs**
 Last Week's Rainfall Formula **475 cfs**
 Pre-Project Mean Discharge **257 cfs**

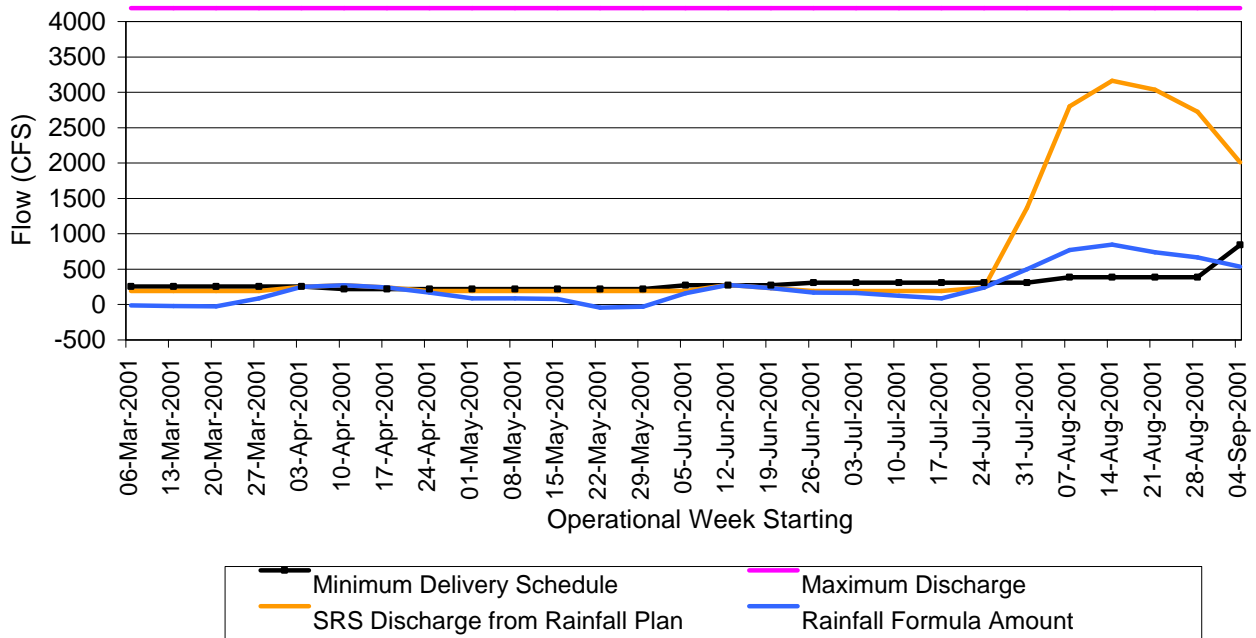
Rainfall Excess Terms
RL1 **-2.90** RL2 **1.34** RL3 **0.15**

***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 11, 2001 to September 17, 2001 **1407 cfs**

S-12 Discharge 633 cfs
 S-333 Discharge 774 cfs

----- Data Summary ----- August 31, 2001 to **September 7, 2001**
 WCA-3A Stage (end of week) 10.12 ft. msl
 Angel's 6.26 ft. msl
 G3273 6.88 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.24	1.39
S-8	0.60	
S-9	0.61	
S-140	0.89	1.79
S-12D	0.12	
S-336	1.87	
ENP	1.32	1.49
Gage 63	0.39	
Gage 64	1.29	
Gage 65	0.45	
This Week's Avg	0.78	1.56
Pre-Project Avg	1.90	1.34

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

WCA-3A is in Zone D

Supplemental discharge is 1182 cfs
 Distance to Bottom of Transition Zone -0.47 feet
 Distance to Bottom of Regulatory Zone 0.53 feet

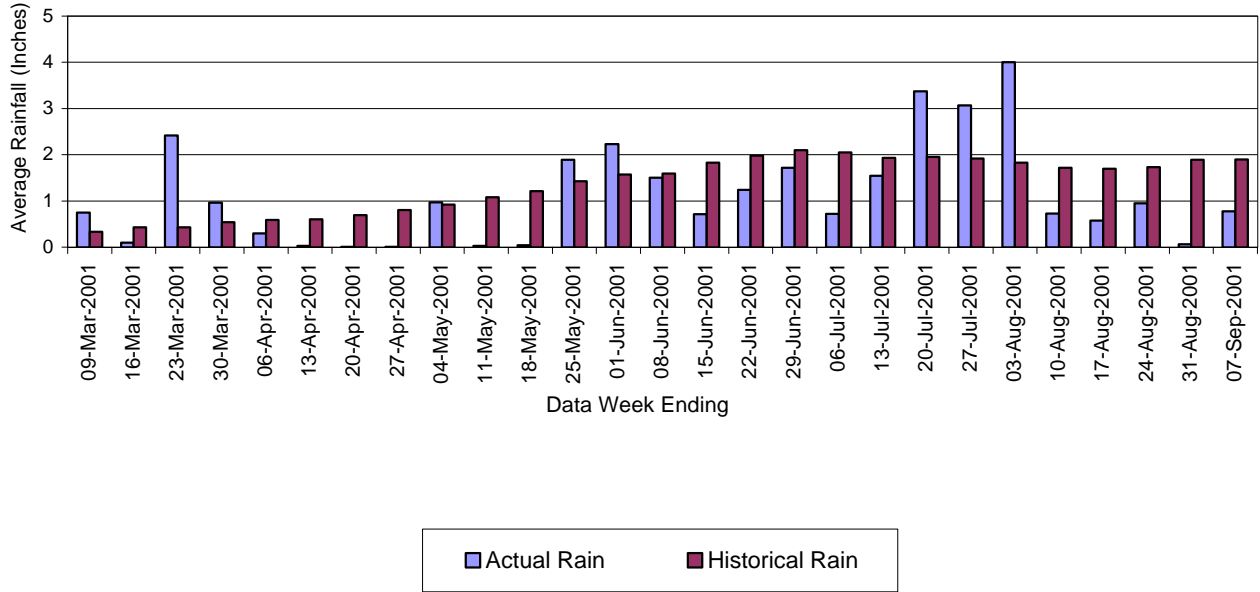
----- Statistical Parameters -----

Rainfall Formula Amount 225 cfs
 Last Week's Rainfall Formula 347 cfs
 Pre-Project Mean Discharge 310 cfs

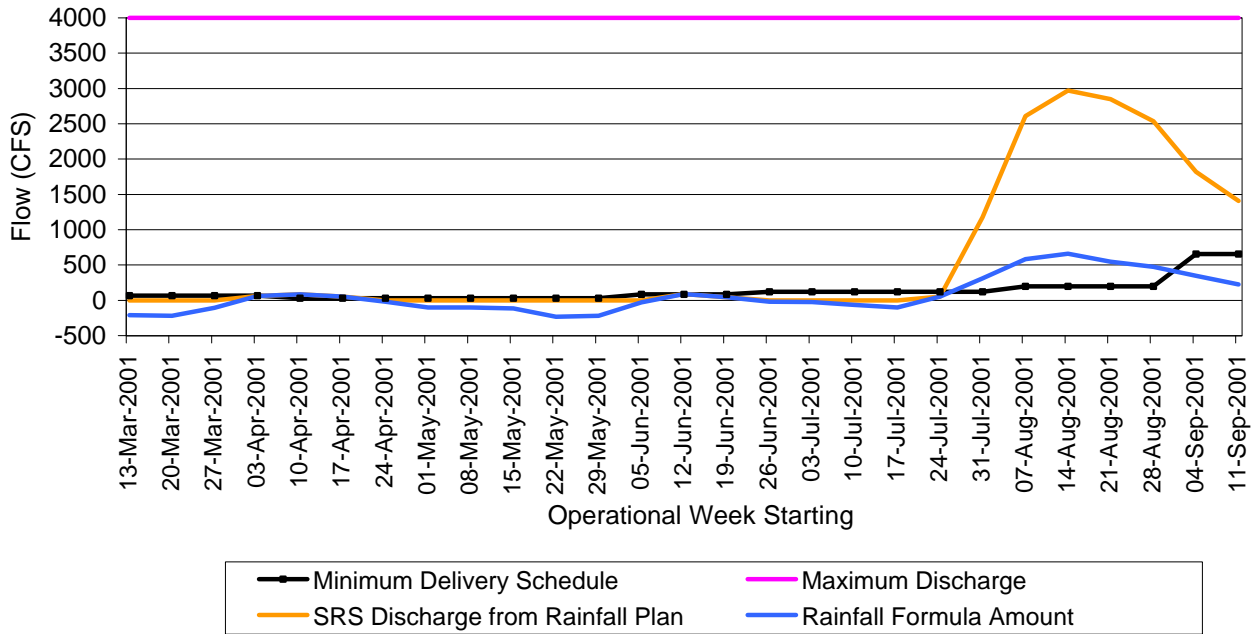
Rainfall Excess Terms
RL1 -3.54 RL2 -0.81 RL3 1.85

***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 18, 2001 to September 24, 2001 **2229 cfs**

S-12 Discharge 1003 cfs
 S-333 Discharge 1226 cfs

----- Data Summary ----- September 7, 2001 to September 14, 2001
 WCA-3A Stage (end of week) 10.41 ft. msl
 Angel's 7.12 ft. msl
 G3273 7.23 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	5.93	0.33
S-8	2.75	
S-9	3.29	
S-140	3.48	1.45
S-12D	M	
S-336	6.42	
ENP	3.62	0.74
Gage 63	M	
Gage 64	4.03	
Gage 65	2.95	
This Week's Avg	4.06	0.84
Pre-Project Avg	2.00	1.31

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

WCA-3A is in Zone B

Supplemental discharge is 1793 cfs
 Distance to Bottom of Transition Zone -0.72 feet
 Distance to Bottom of Regulatory Zone 0.28 feet

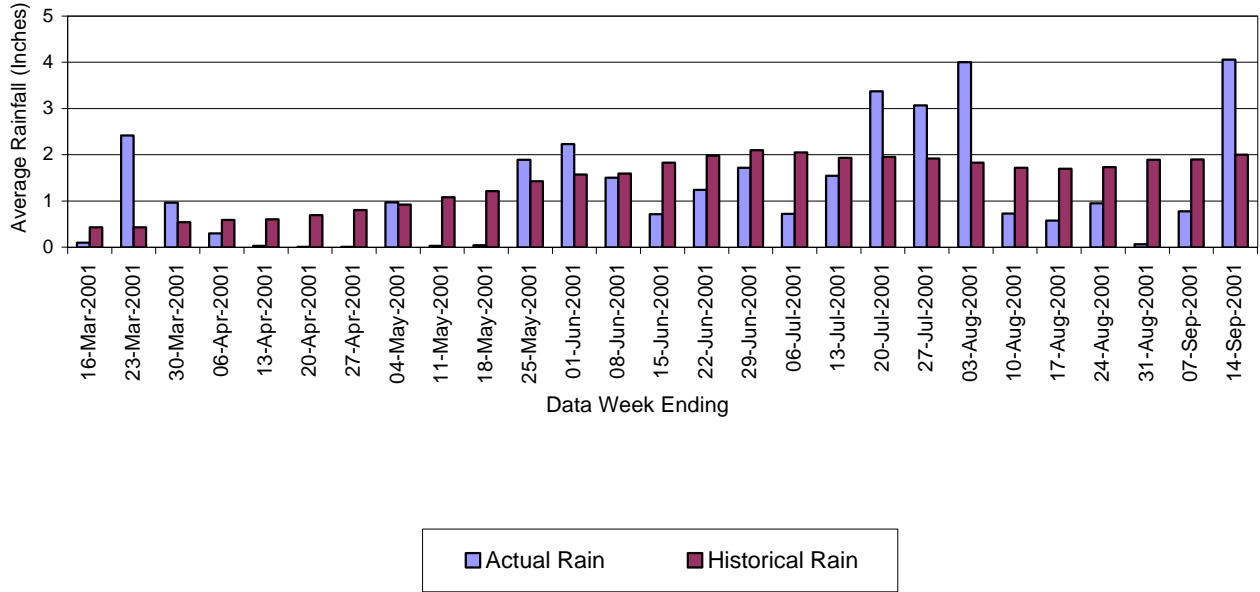
----- Statistical Parameters -----

Rainfall Formula Amount 436 cfs
 Last Week's Rainfall Formula 225 cfs
 Pre-Project Mean Discharge 385 cfs

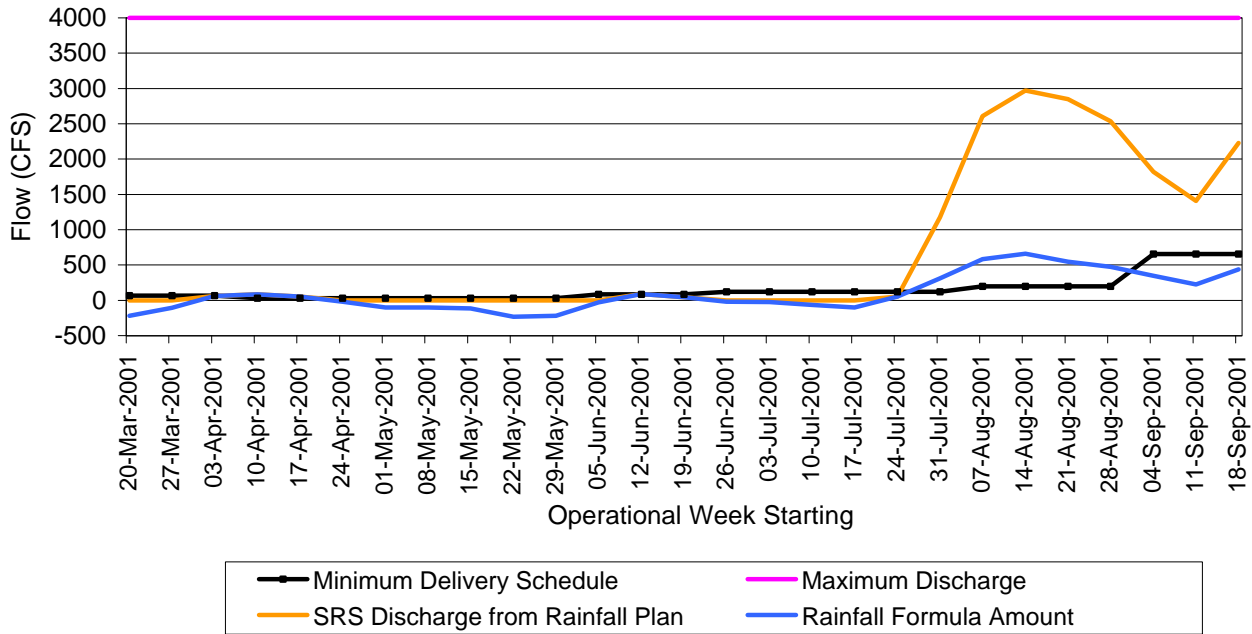
Rainfall Excess Terms
RL1 1.14
RL2 -5.41
RL3 5.33

***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 September 25, 2001 to October 1, 2001 2302 cfs

S-12 Discharge 1036 cfs
 S-333 Discharge 1266 cfs

----- Data Summary ----- September 14, 2001 to September 21, 2001
 WCA-3A Stage (end of week) 10.37 ft. msl
 Angel's 7.00 ft. msl
 G3273 7.12 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	3.03	1.17
S-8	0.12	
S-9	1.84	
S-140	1.15	1.31
S-12D	0.28	
S-336	0.74	
ENP	2.72	1.77
Gage 63	0.02	
Gage 64	1.05	
Gage 65	1.04	
This Week's Avg	1.20	1.42
Pre-Project Avg	2.16	1.27

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

WCA-3A is in Zone B

Supplemental discharge is 1579 cfs
 Distance to Bottom of Transition Zone -0.63 feet
 Distance to Bottom of Regulatory Zone 0.37 feet

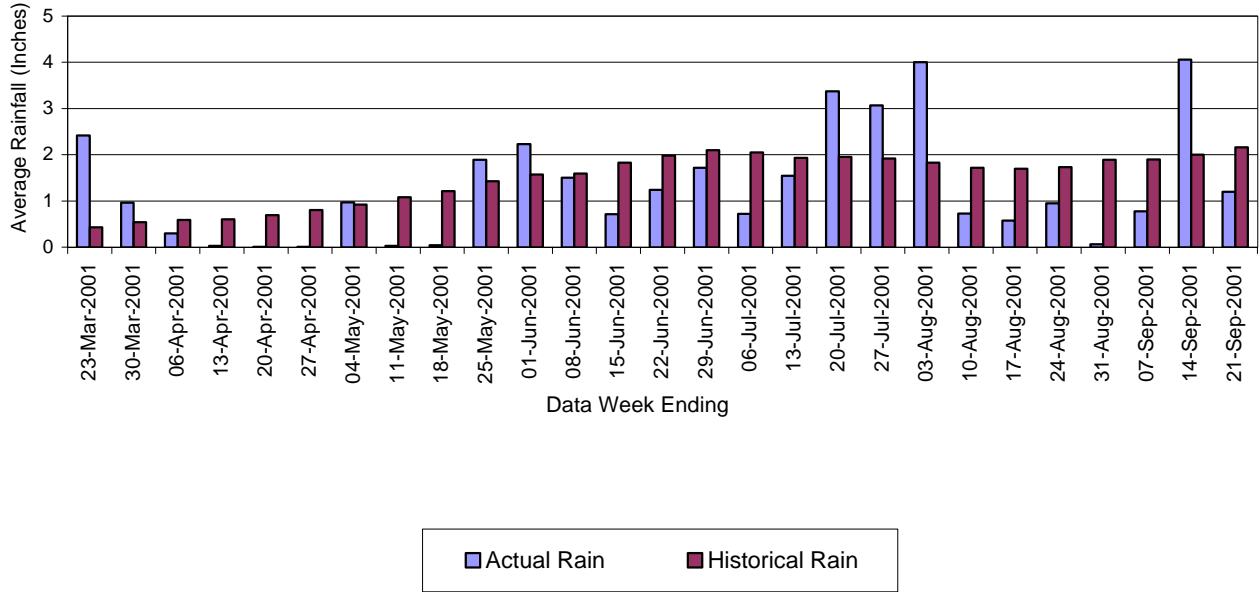
----- Statistical Parameters -----

Rainfall Formula Amount 723 cfs
 Last Week's Rainfall Formula 436 cfs
 Pre-Project Mean Discharge 540 cfs

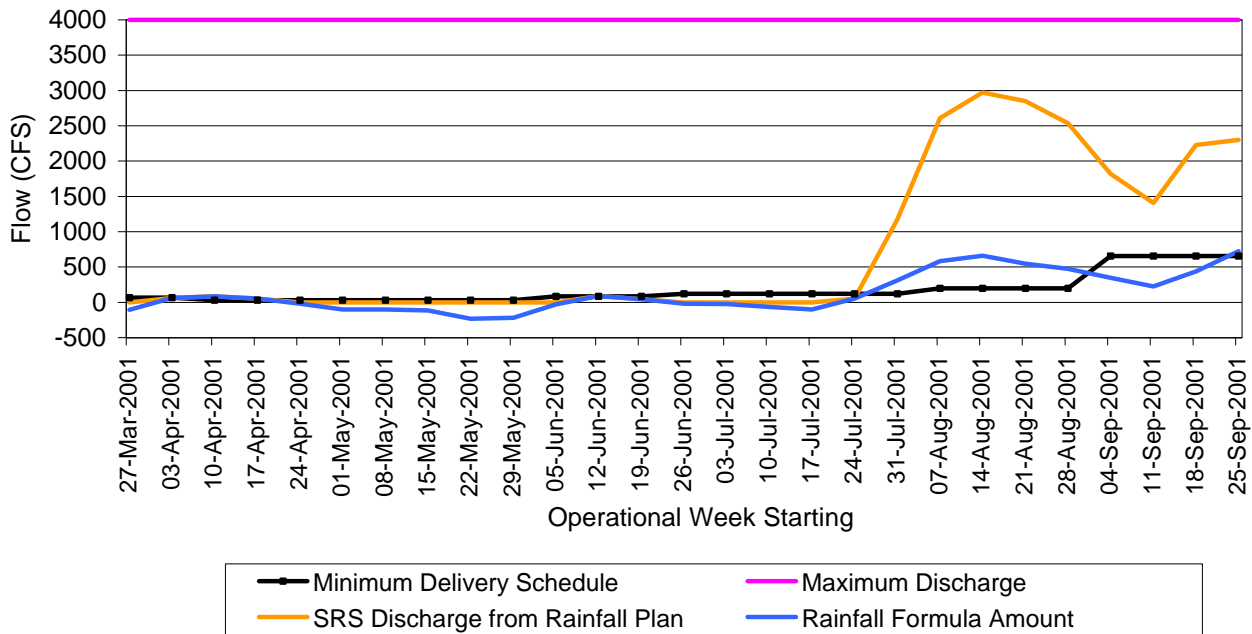
Rainfall Excess Terms
RL1 1.36
RL2 -5.57
RL3 4.40

***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 2, 2001 to October 8, 2001 2617 cfs

S-12 Discharge 1178 cfs
 S-333 Discharge 1439 cfs

----- Data Summary ----- September 21, 2001 to September 28, 2001
 WCA-3A Stage (end of week) 10.48 ft. msl
 Angel's 7.14 ft. msl
 G3273 7.13 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	2.22	1.61
S-8	1.98	
S-9	1.15	
S-140	3.28	1.92
S-12D	0.95	
S-336	2.87	
ENP	1.50	0.79
Gage 63	0.23	
Gage 64	1.79	
Gage 65	1.82	
This Week's Avg	1.78	1.44
Pre-Project Avg	2.07	1.25

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

WCA-3A is in Zone B

Supplemental discharge is 1739 cfs
 Distance to Bottom of Transition Zone -0.70 feet
 Distance to Bottom of Regulatory Zone 0.27 feet

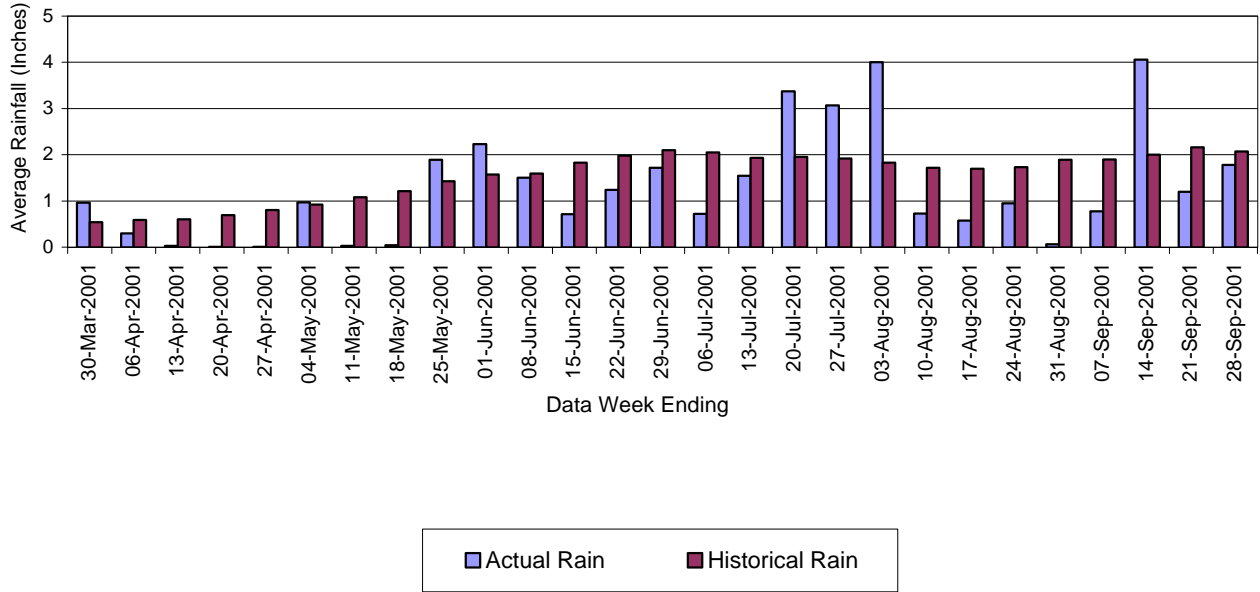
----- Statistical Parameters -----

Rainfall Formula Amount 878 cfs
 Last Week's Rainfall Formula 723 cfs
 Pre-Project Mean Discharge 779 cfs

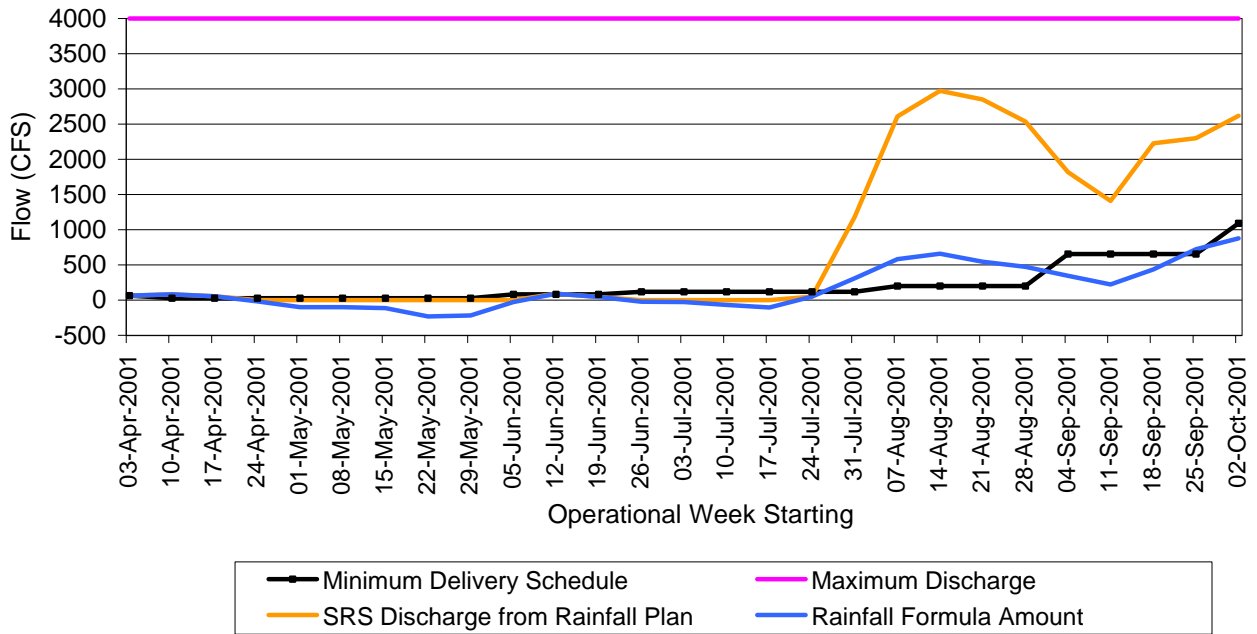
Rainfall Excess Terms
RL1 -1.52 RL2 -1.76 RL3 1.34

***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 9, 2001 to October 15, 2001 MAX cfs

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

----- Data Summary ----- September 28, 2001 to October 5, 2001
 WCA-3A Stage (end of week) 10.99 ft. msl
 Angel's 7.27 ft. msl
 G3273 7.29 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	3.47	1.42
S-8	2.20	
S-9	4.25	
S-140	2.75	1.42
S-12D	3.44	
S-336	3.90	
ENP	4.01	1.23
Gage 63	M	
Gage 64	4.12	
Gage 65	4.88	
This Week's Avg	3.67	1.36
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 -1.16 feet
 Distance to Bottom of Regulatory Zone -0.24 feet

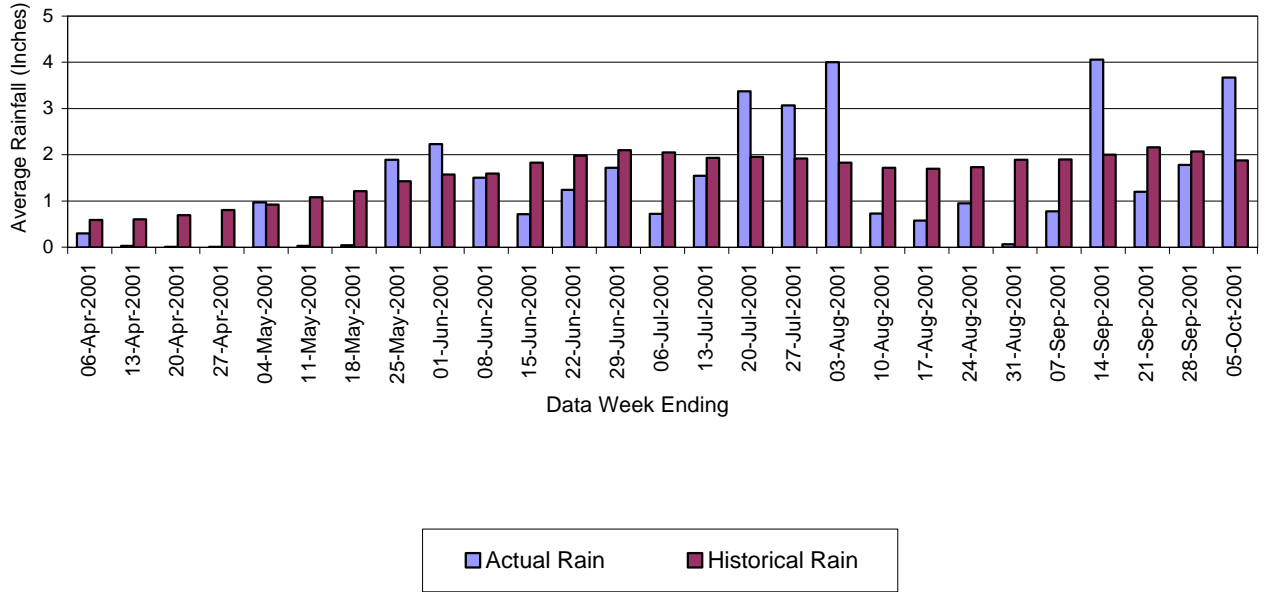
----- Statistical Parameters -----

Rainfall Formula Amount 1171 cfs
 Last Week's Rainfall Formula 878 cfs
 Pre-Project Mean Discharge 995 cfs

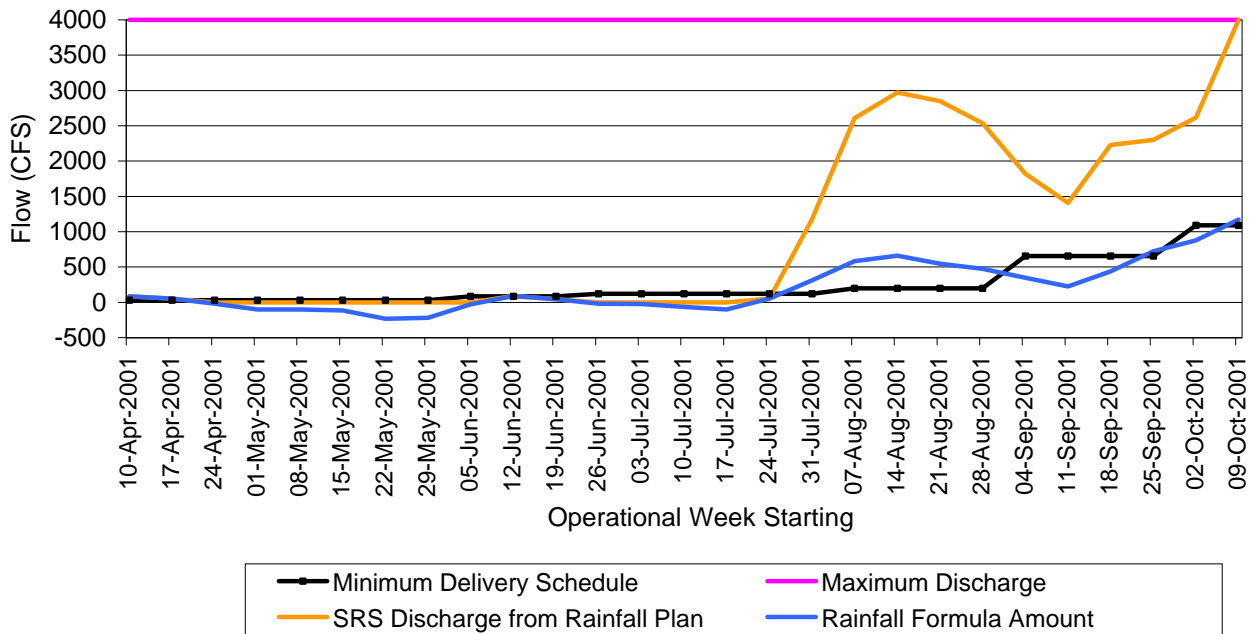
Rainfall Excess Terms
RL1 1.23 RL2 -2.18 RL3 -0.81

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

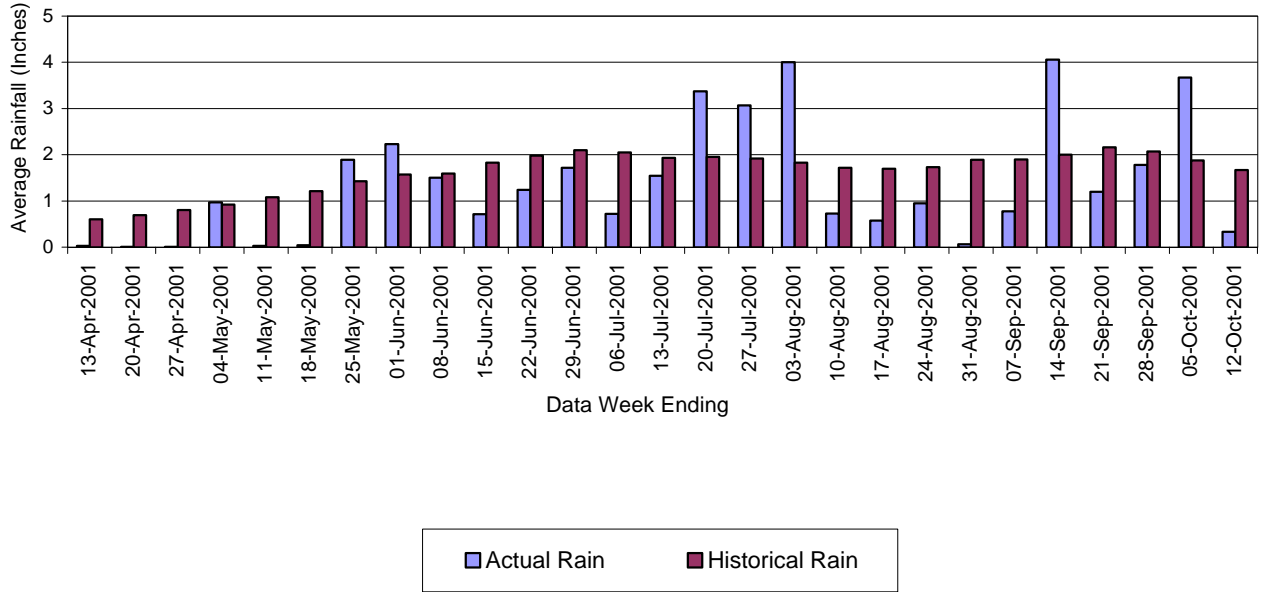
Shark River Slough Actual vs. Historical Rainfall



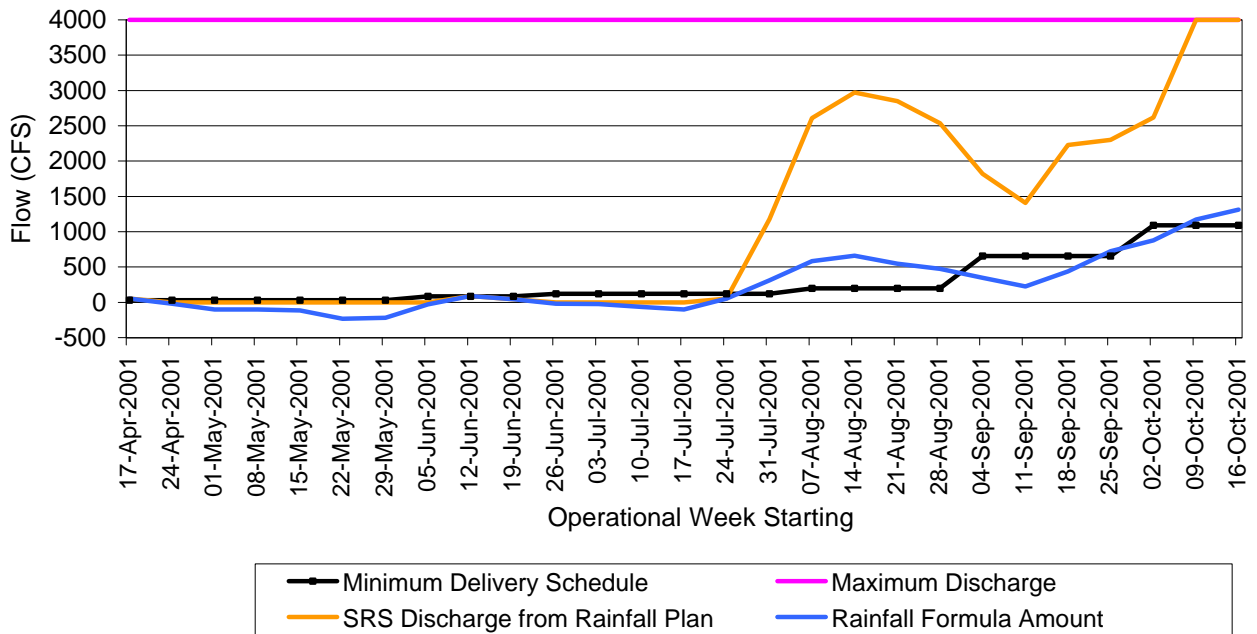
Deliveries to Shark River Slough Computed by Rainfall Plan



Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow **October 23, 2001** to **October 29, 2001** **MAX** cfs

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

----- **Data Summary** ----- **October 12, 2001** to **October 19, 2001**
 WCA-3A Stage (end of week) 10.98 ft. msl
 Angel's 7.13 ft. msl
 G3273 7.20 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.69	1.05
S-8	0.73	
S-9	1.21	
S-140	1.35	1.08
S-12D	1.40	
S-336	3.00	
ENP	M	M
Gage 63	M	
Gage 64	0.00	
Gage 65	0.52	
This Week's Avg	1.11	1.07
Pre-Project Avg	1.38	1.12

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

WCA-3A is in Zone A

Supplemental discharge is MAX cfs
 Distance to Bottom of Transition Zone -1.06 feet
 Distance to Bottom of Regulatory Zone -0.23 feet

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

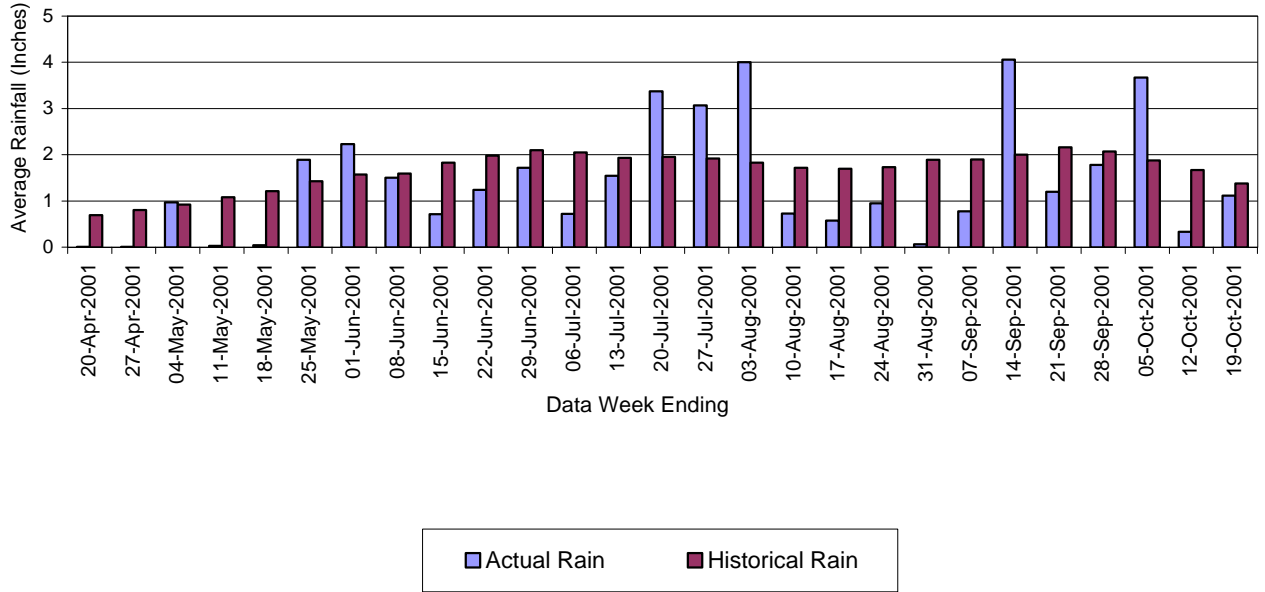
Rainfall Formula Amount 1337 cfs
 Last Week's Rainfall Formula 1312 cfs
 Pre-Project Mean Discharge 1229 cfs

Rainfall Excess Terms

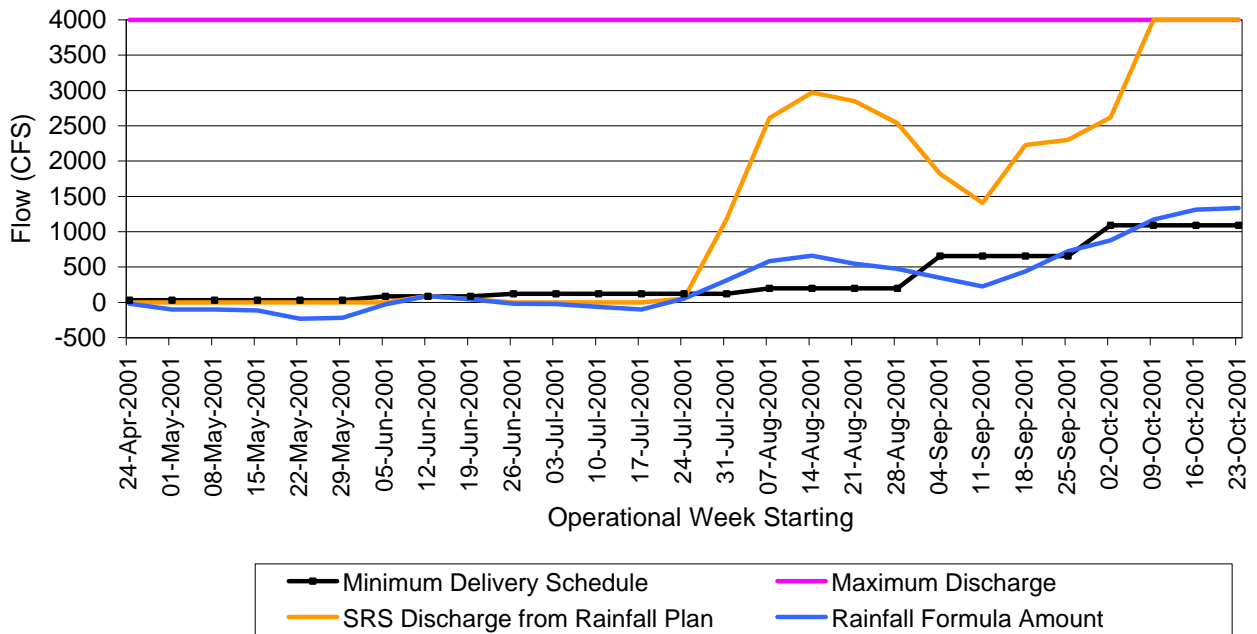
RL1 -1.58 RL2 2.58 RL3 -5.57

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

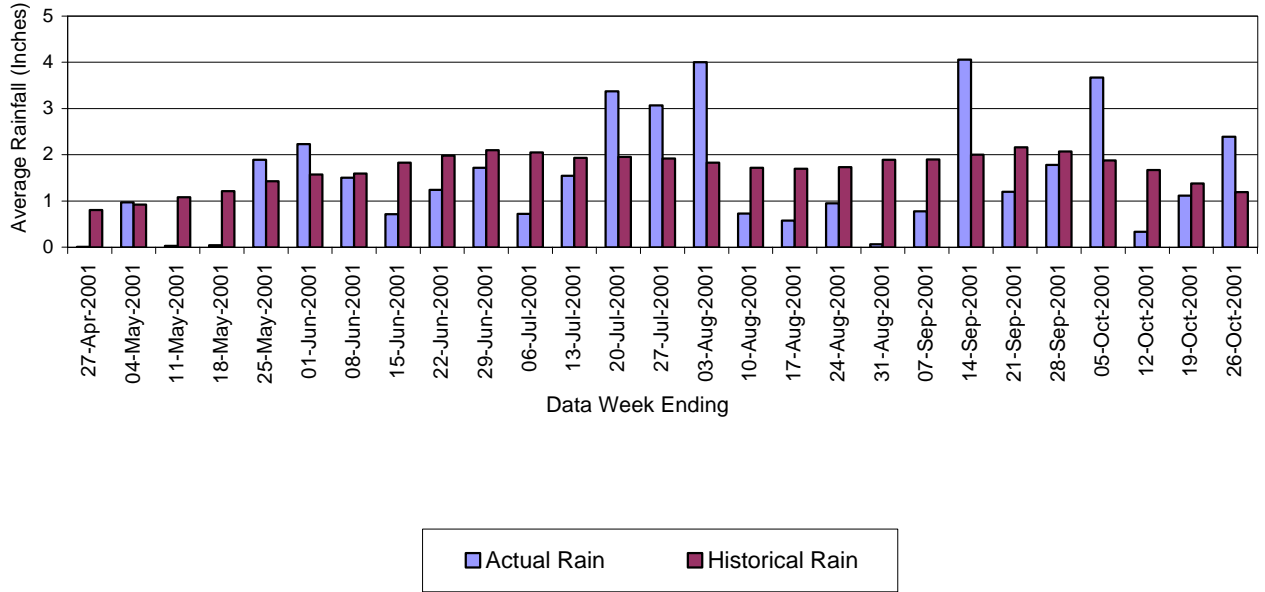
Shark River Slough Actual vs. Historical Rainfall



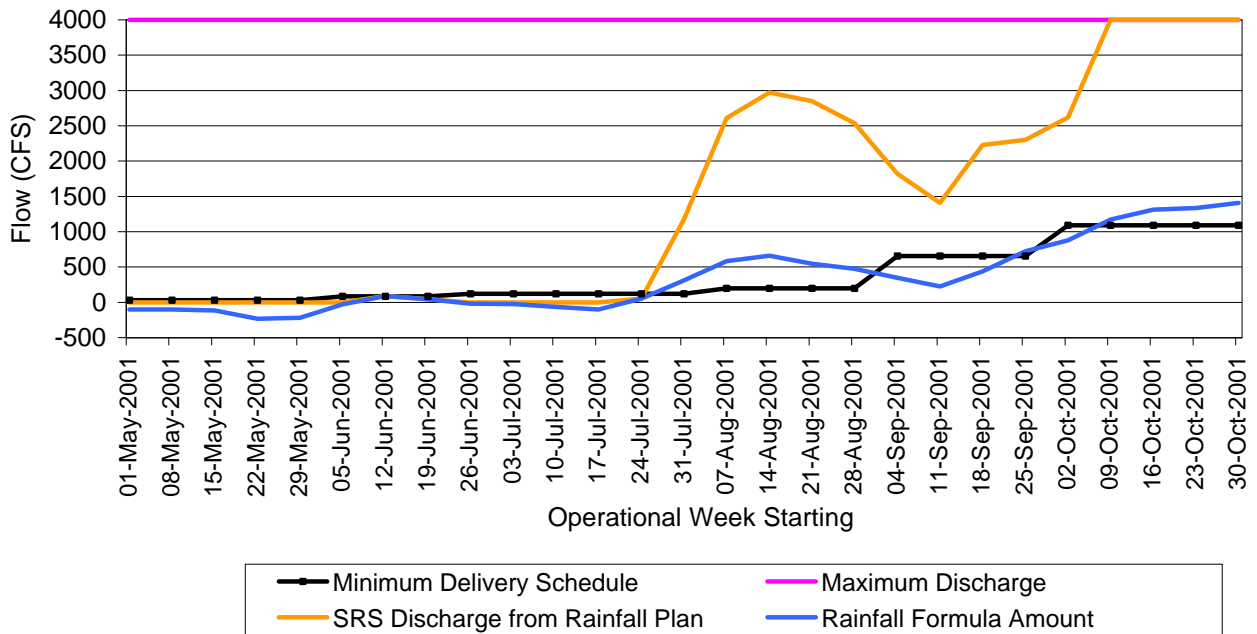
Deliveries to Shark River Slough Computed by Rainfall Plan



Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow November 6, 2001 to November 12, 2001 **MAX** cfs

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

----- **Data Summary** ----- **October 26, 2001** to **November 2, 2001**
 WCA-3A Stage (end of week) **11.10** ft. msl
 Angel's **7.16** ft. msl
 G3273 **7.24** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.28	1.09
S-8	0.20	
S-9	0.00	
S-140	1.08	1.26
S-12D	0.02	
S-336	0.09	
ENP	M	M
Gage 63	0.29	
Gage 64	0.49	
Gage 65	0.03	
This Week's Avg	0.28	1.18
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 **-1.09** feet
 Distance to Bottom of Regulatory Zone **-0.35** feet

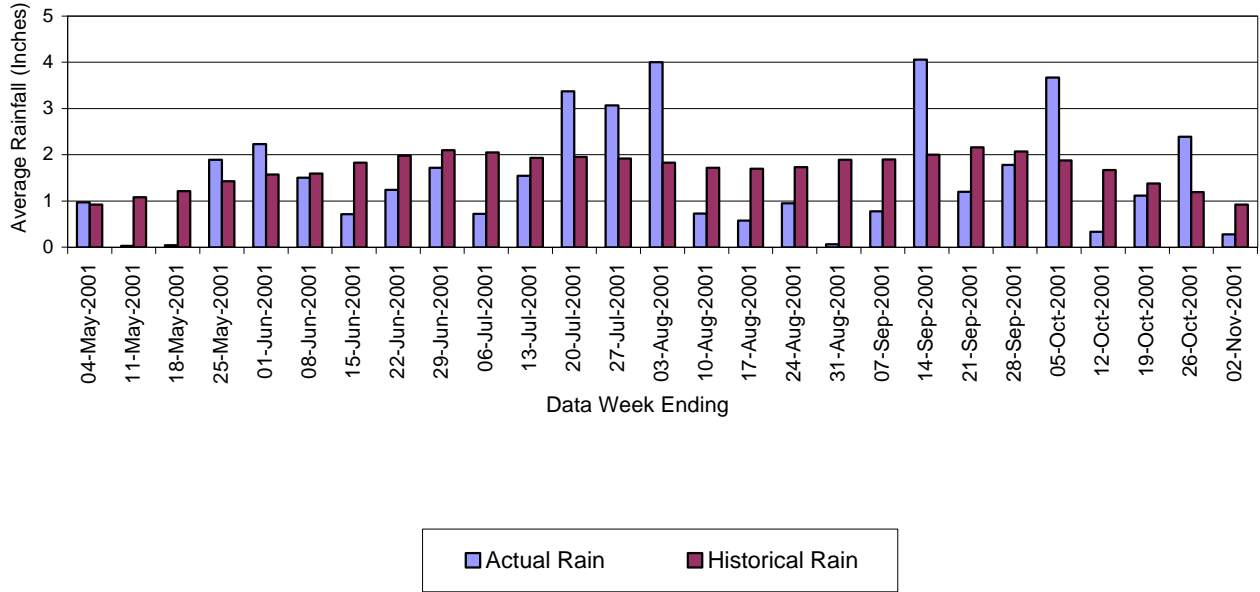
----- **Statistical Parameters** -----

Rainfall Formula Amount **1306** cfs
 Last Week's Rainfall Formula **1408** cfs
 Pre-Project Mean Discharge **1084** cfs

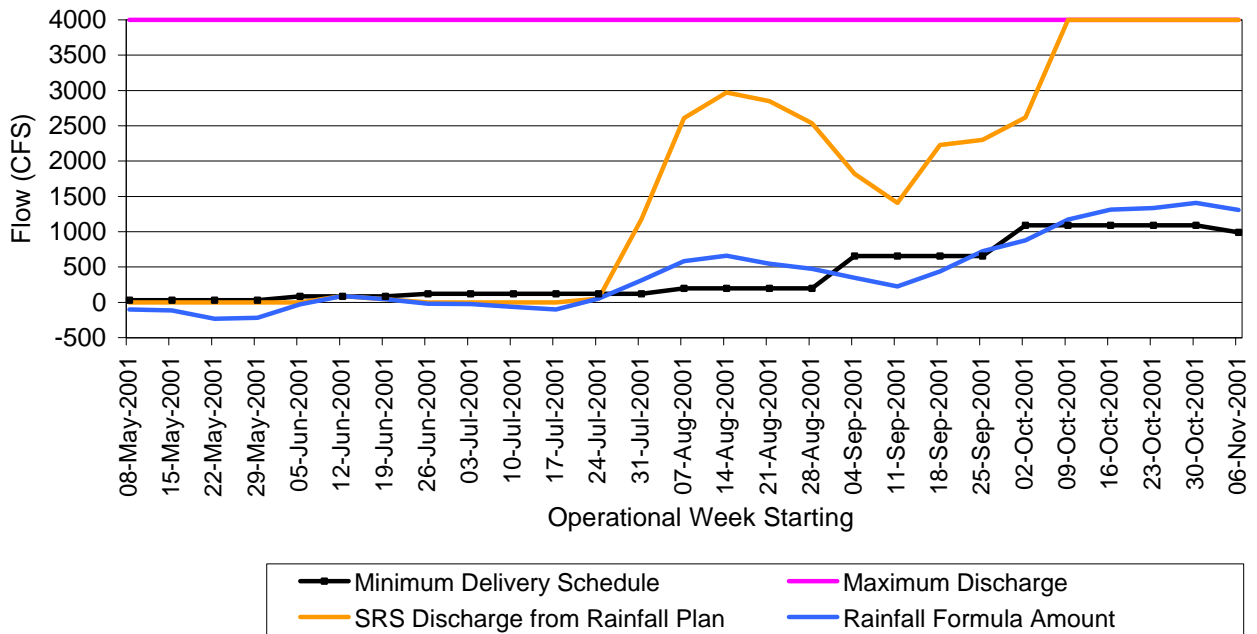
Rainfall Excess Terms
RL1 **0.73** RL2 **-0.35** RL3 **-2.18**

***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 13, 2001 to November 19, 2001 **MAX** cfs

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

----- **Data Summary** ----- **November 2, 2001** to **November 9, 2001**
 WCA-3A Stage (end of week) **11.16** ft. msl
 Angel's **7.11** ft. msl
 G3273 **7.18** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.91	1.00
S-8	1.93	
S-9	1.26	
S-140	1.88	1.25
S-12D	0.55	
S-336	0.96	
ENP	1.34	0.64
Gage 63	0.44	
Gage 64	1.00	
Gage 65	0.96	
This Week's Avg	1.12	0.96
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 **-1.10** feet
 Distance to Bottom of Regulatory Zone **-0.41** feet

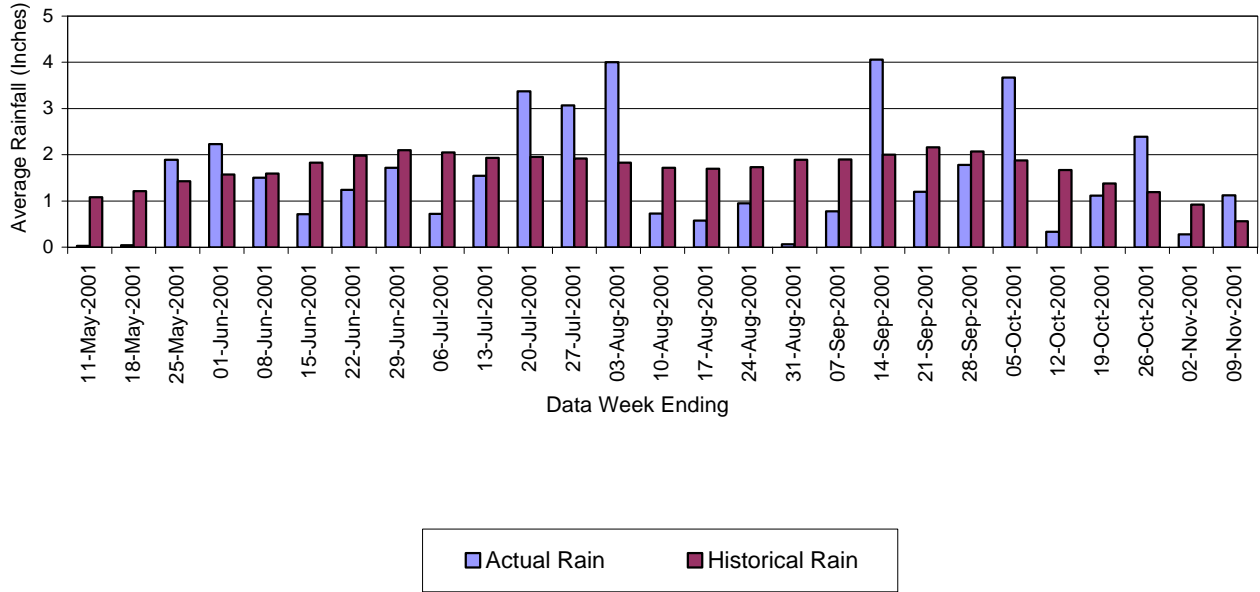
----- **Statistical Parameters** -----

Rainfall Formula Amount **1143** cfs
 Last Week's Rainfall Formula **1306** cfs
 Pre-Project Mean Discharge **937** cfs

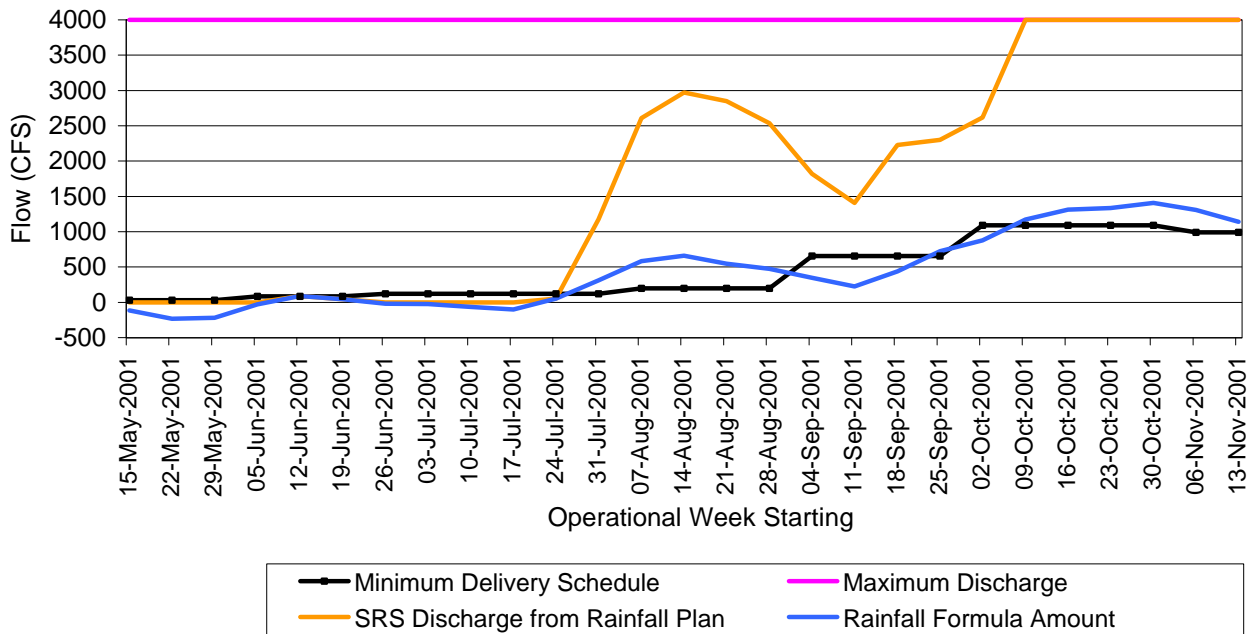
Rainfall Excess Terms
RL1 **-0.20** RL2 **1.60** RL3 **-0.38**

***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 20, 2001 to November 26, 2001 **MAX** cfs

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

----- **Data Summary** ----- **November 9, 2001 to November 16, 2001**
 WCA-3A Stage (end of week) **11.10** ft. msl
 Angel's **7.09** ft. msl
 G3273 **7.04** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	0.82
S-8	0.08	
S-9	0.00	
S-140	0.01	1.05
S-12D	0.00	
S-336	0.00	
ENP	0.01	0.88
Gage 63	0.02	
Gage 64	0.00	
Gage 65	0.00	
This Week's Avg	0.01	0.92
Pre-Project Avg	0.40	0.91

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

WCA-3A is in Zone A

Supplemental discharge is **MAX** cfs
 Distance to Bottom of Transition Zone **-1.00** feet
 Distance to Bottom of Regulatory Zone **-0.35** feet

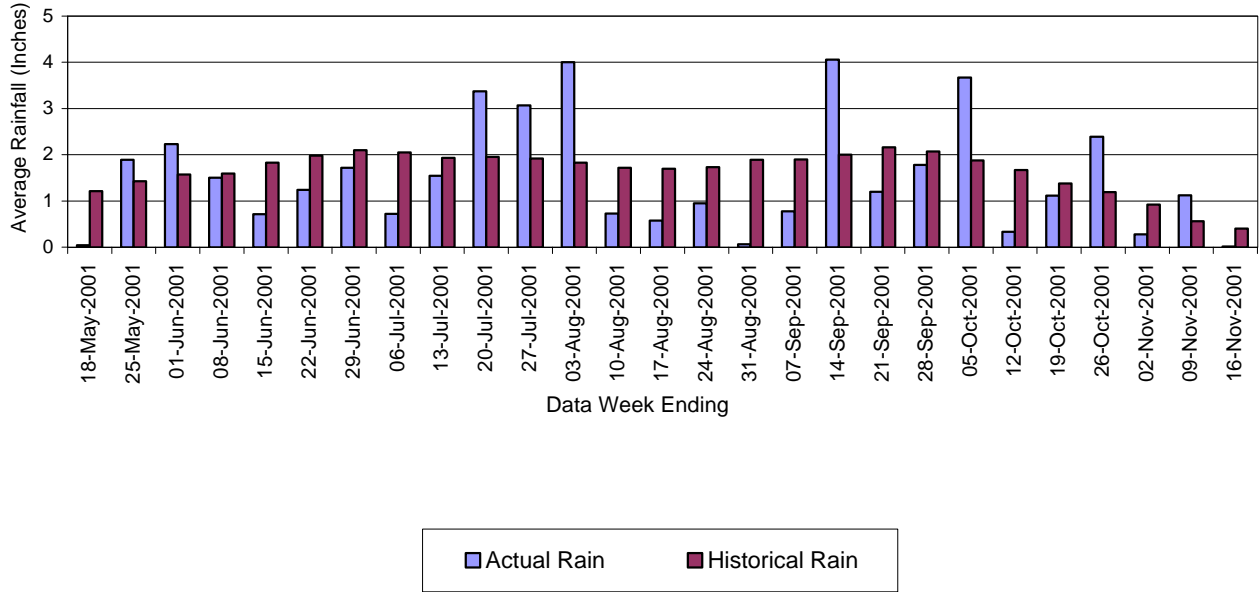
----- **Statistical Parameters** -----

Rainfall Formula Amount **1043** cfs
 Last Week's Rainfall Formula **1143** cfs
 Pre-Project Mean Discharge **820** cfs

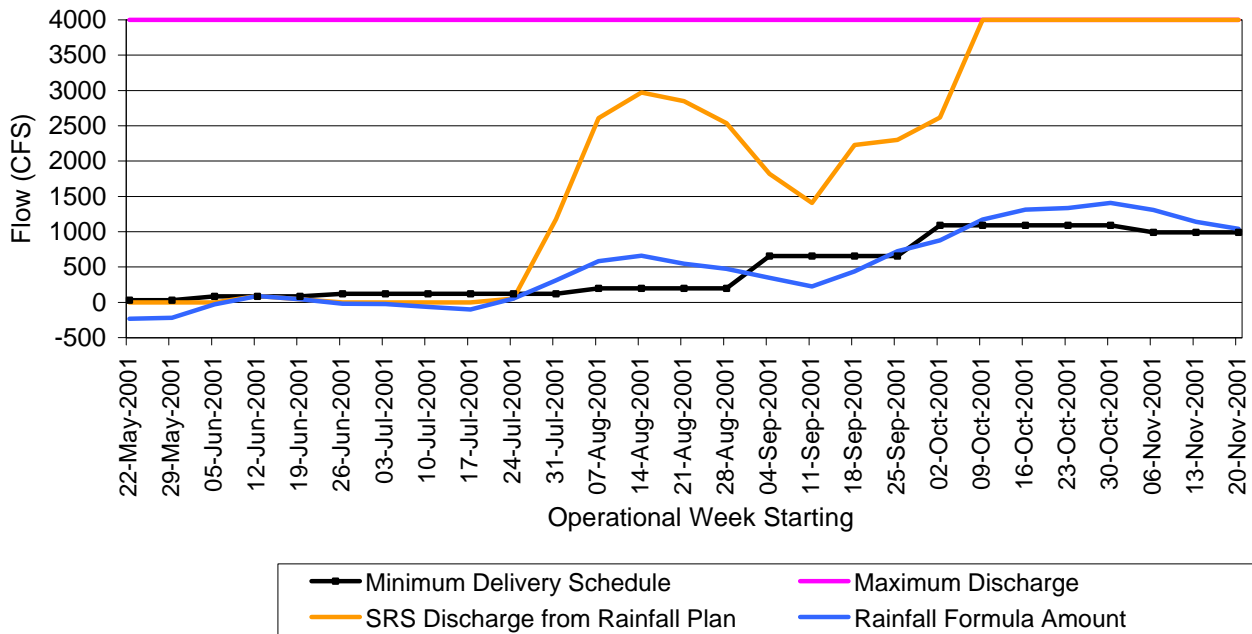
Rainfall Excess Terms
RL1 **0.18** RL2 **-0.84** RL3 **2.58**

***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 27, 2001 to December 3, 2001 **MAX** cfs

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

----- **Data Summary** ----- **November 16, 2001 to November 23, 2001**
 WCA-3A Stage (end of week) **11.03** ft. msl
 Angel's **6.43** ft. msl
 G3273 **6.92** ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.00	0.65
S-8	0.00	
S-9	0.00	
S-140	0.01	0.62
S-12D	0.01	
S-336	0.42	
ENP	0.00	0.90
Gage 63	0.00	
Gage 64	0.04	
Gage 65	0.01	
This Week's Avg	0.05	0.72
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 **-0.88** feet
 Distance to Bottom of Regulatory Zone **-0.28** feet

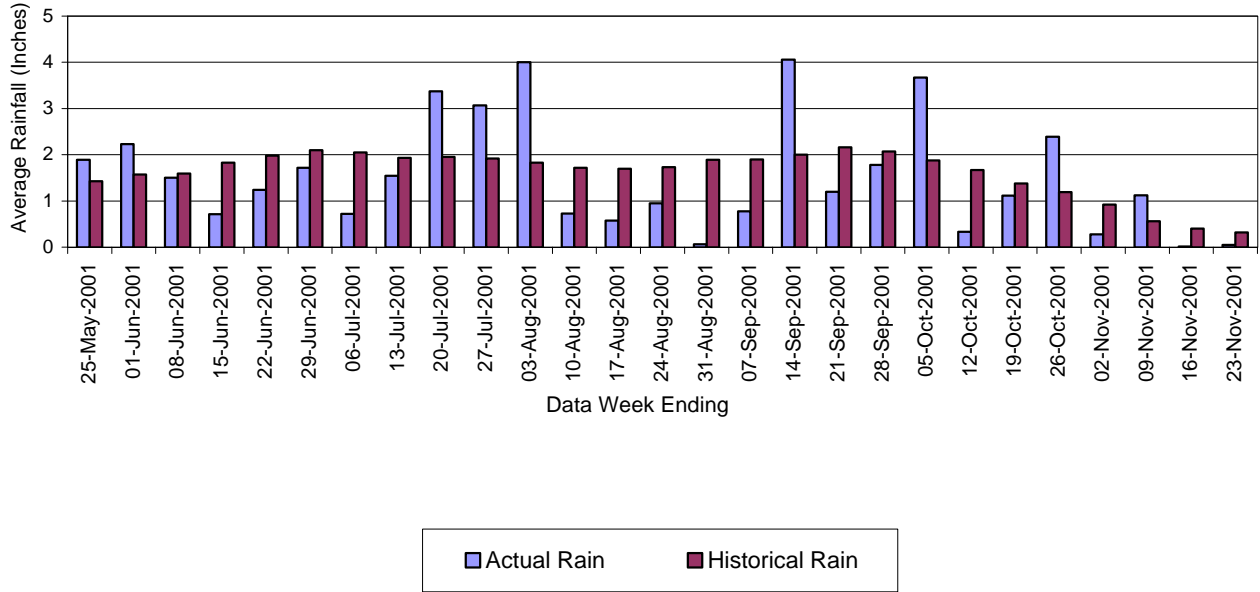
----- **Statistical Parameters** -----

Rainfall Formula Amount **873** cfs
 Last Week's Rainfall Formula **1043** cfs
 Pre-Project Mean Discharge **689** cfs

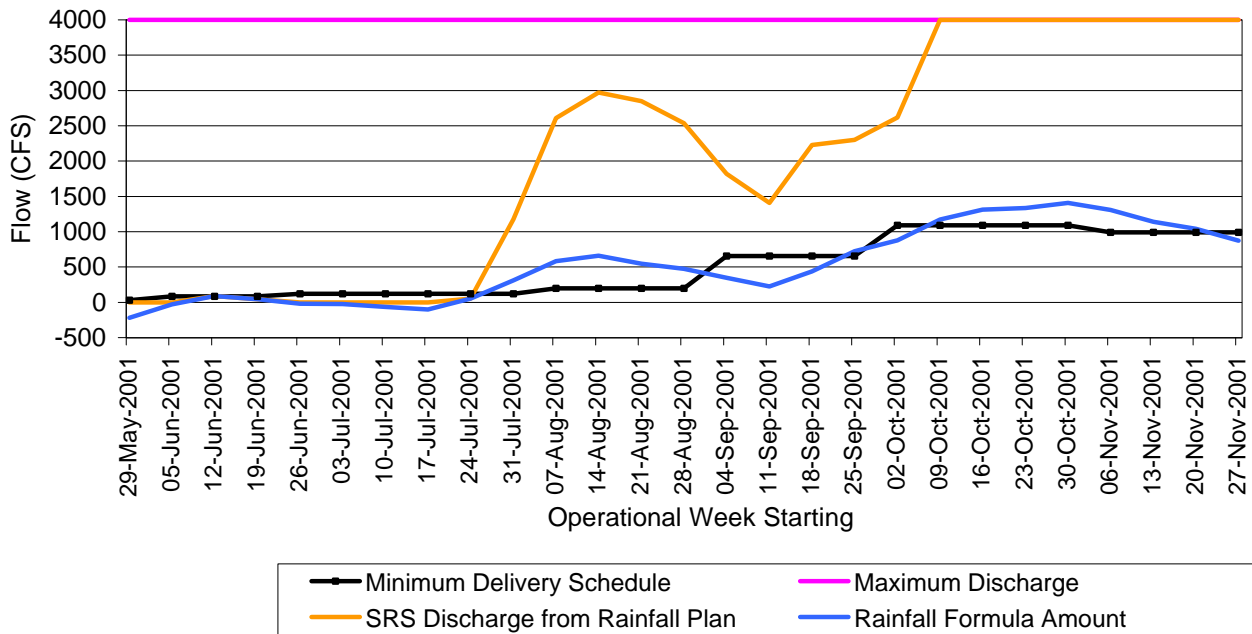
Rainfall Excess Terms
RL1 **-0.55** RL2 **1.08** RL3 **-1.20**

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

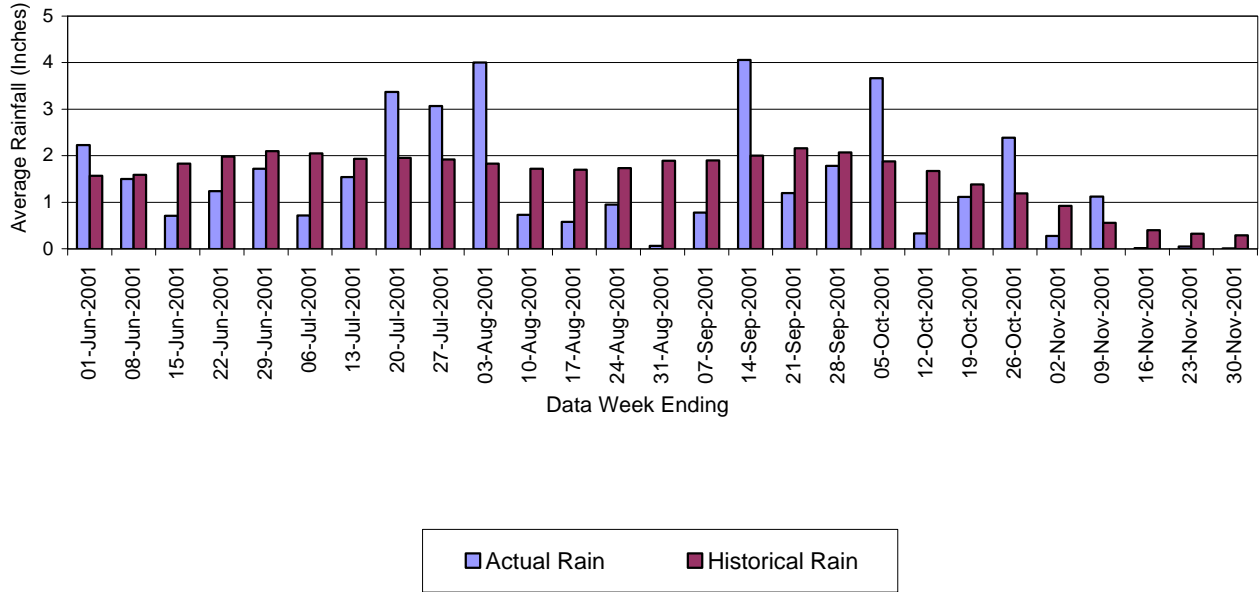
Shark River Slough Actual vs. Historical Rainfall



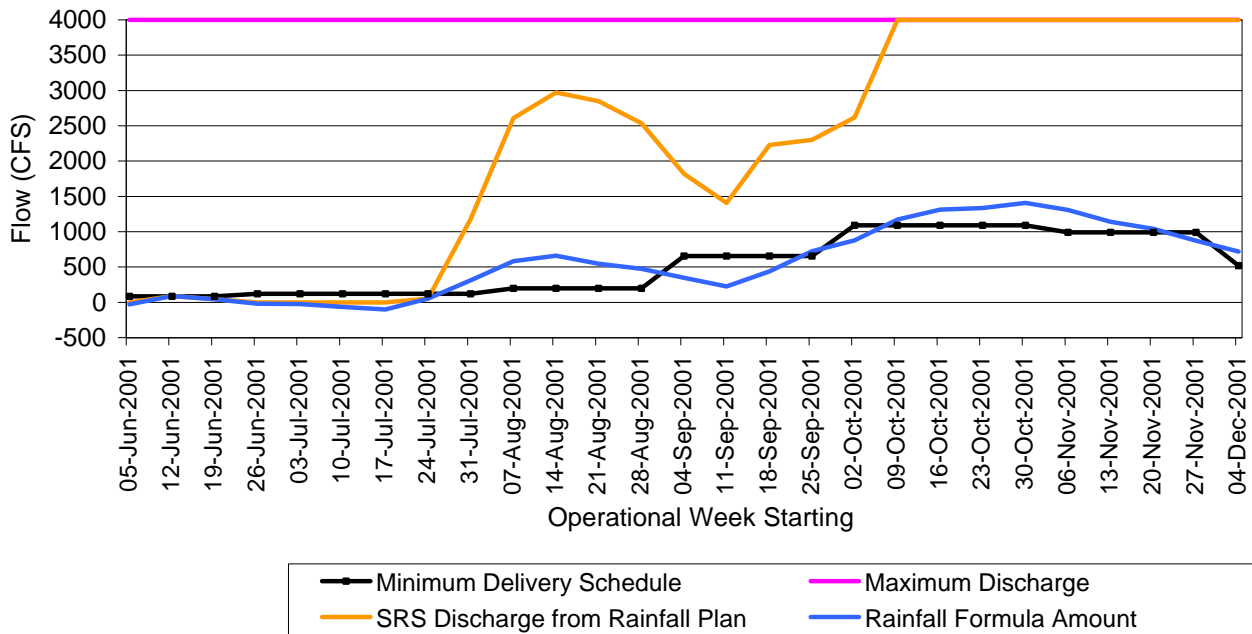
Deliveries to Shark River Slough Computed by Rainfall Plan



Shark River Slough Actual vs. Historical Rainfall



Deliveries to Shark River Slough Computed by Rainfall Plan



WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow December 11, 2001 to December 17, 2001 **1160 cfs**

S-12 Discharge 522 cfs
 S-333 Discharge 638 cfs

----- Data Summary ----- November 30, 2001 to December 7, 2001
 WCA-3A Stage (end of week) 10.72 ft. msl
 Angel's 6.31 ft. msl
 G3273 6.76 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.01	0.65
S-8	0.22	
S-9	0.31	
S-140	0.15	0.87
S-12D	0.25	
S-336	0.49	
ENP	0.48	0.47
Gage 63	0.70	
Gage 64	0.18	
Gage 65	0.44	
This Week's Avg	0.32	0.66
Pre-Project Avg	0.27	0.80

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

WCA-3A is in Zone C

Supplemental discharge is 550 cfs
 Distance to Bottom of Transition Zone -0.22 feet
 Distance to Bottom of Regulatory Zone 0.03 feet

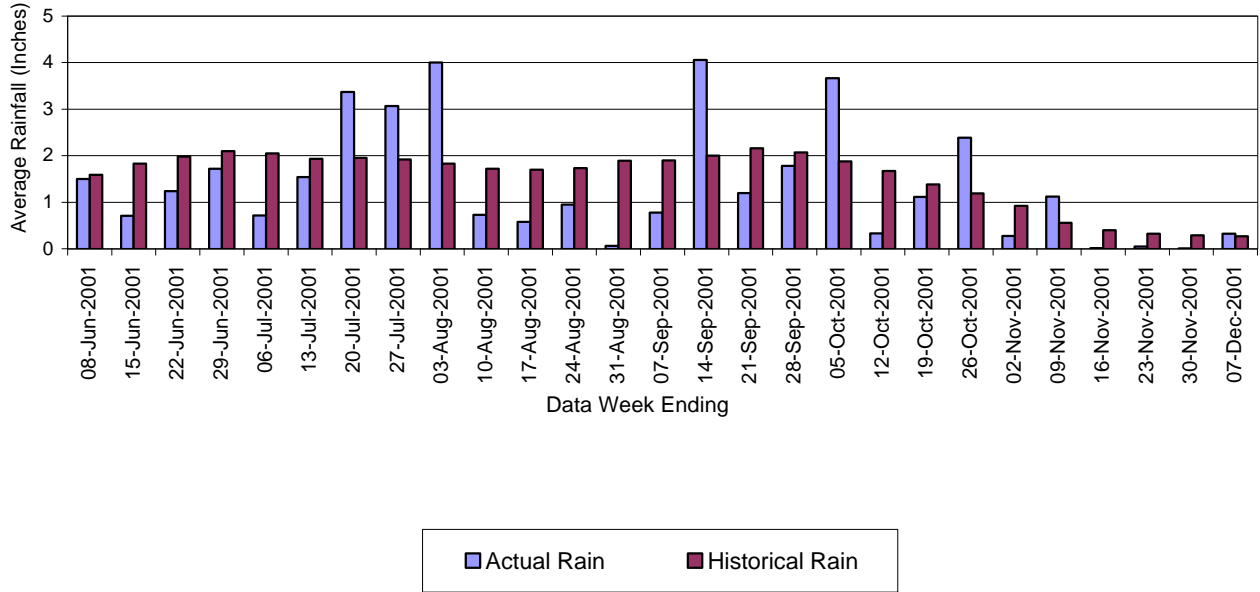
----- Statistical Parameters -----

Rainfall Formula Amount 610 cfs
 Last Week's Rainfall Formula 719 cfs
 Pre-Project Mean Discharge 462 cfs

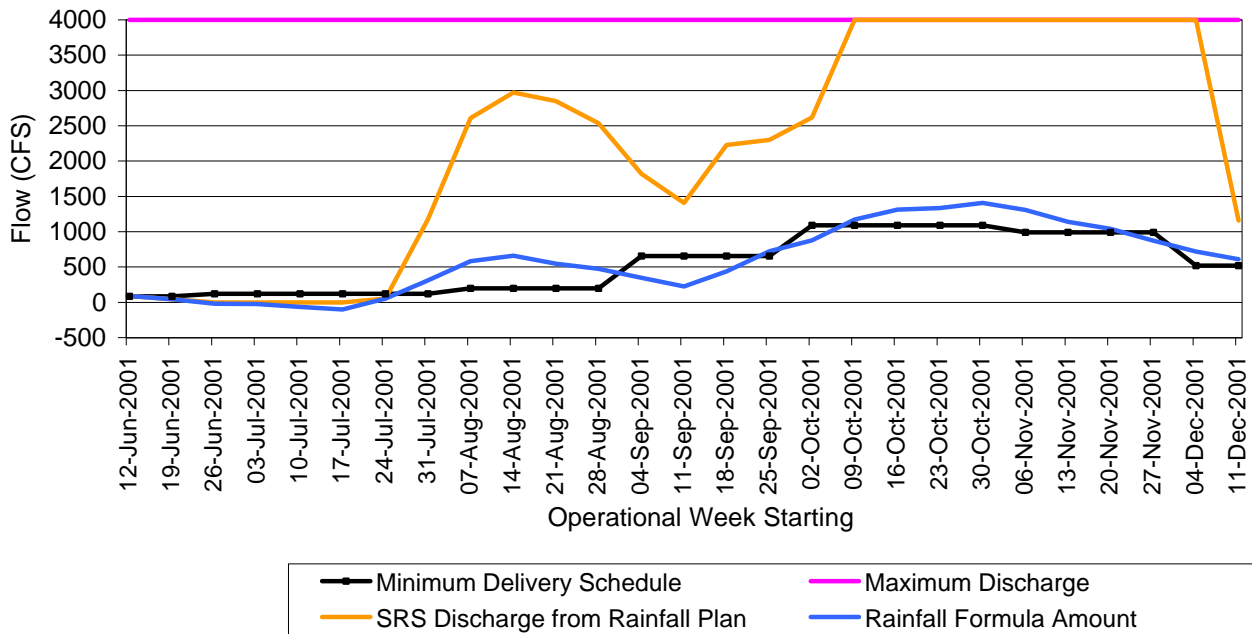
Rainfall Excess Terms
RL1 -0.11
RL2 -0.75
RL3 1.60

***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 December 18, 2001 to December 24, 2001 **699 cfs**

S-12 Discharge 314 cfs
 S-333 Discharge 384 cfs

----- Data Summary ----- December 7, 2001 to **December 14, 2001**
 WCA-3A Stage (end of week) 10.57 ft. msl
 Angel's 6.12 ft. msl
 G3273 6.80 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.14	0.81
S-8	0.04	
S-9	0.10	
S-140	1.31	M
S-12D	0.06	
S-336	0.00	
ENP	0.09	0.70
Gage 63	0.15	
Gage 64	0.01	
Gage 65	0.59	
This Week's Avg	0.25	0.76
Pre-Project Avg	0.24	0.78

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

WCA-3A is in Zone C

Supplemental discharge is 175 cfs
 Distance to Bottom of Transition Zone -0.07 feet
 Distance to Bottom of Regulatory Zone 0.18 feet

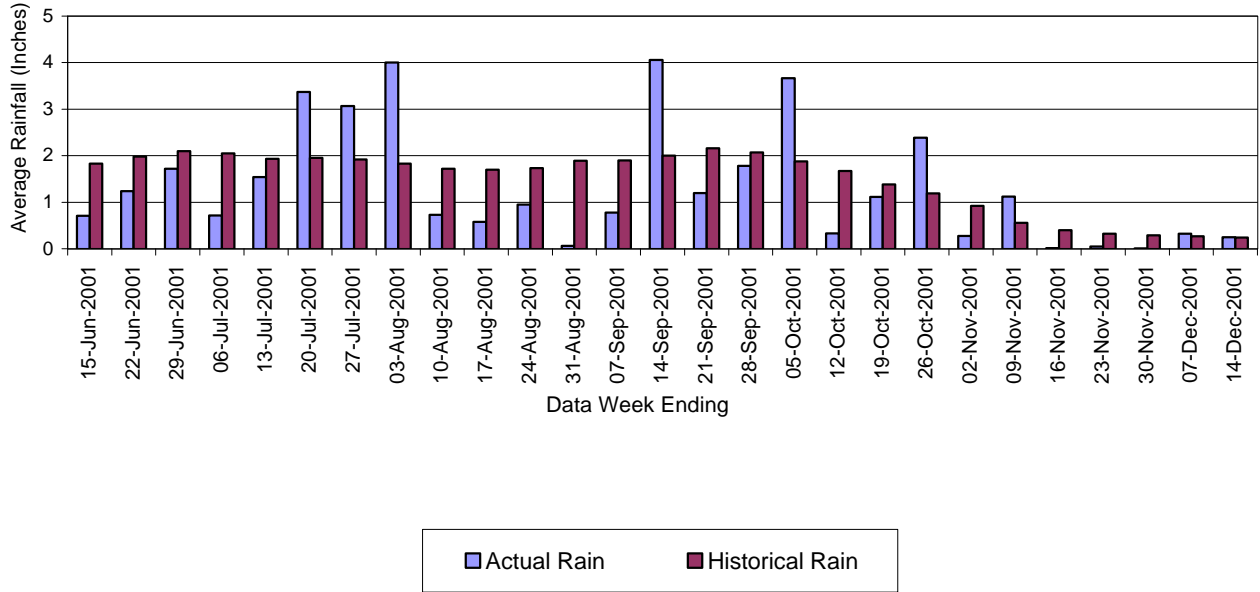
----- Statistical Parameters -----

Rainfall Formula Amount 524 cfs
 Last Week's Rainfall Formula 610 cfs
 Pre-Project Mean Discharge 376 cfs

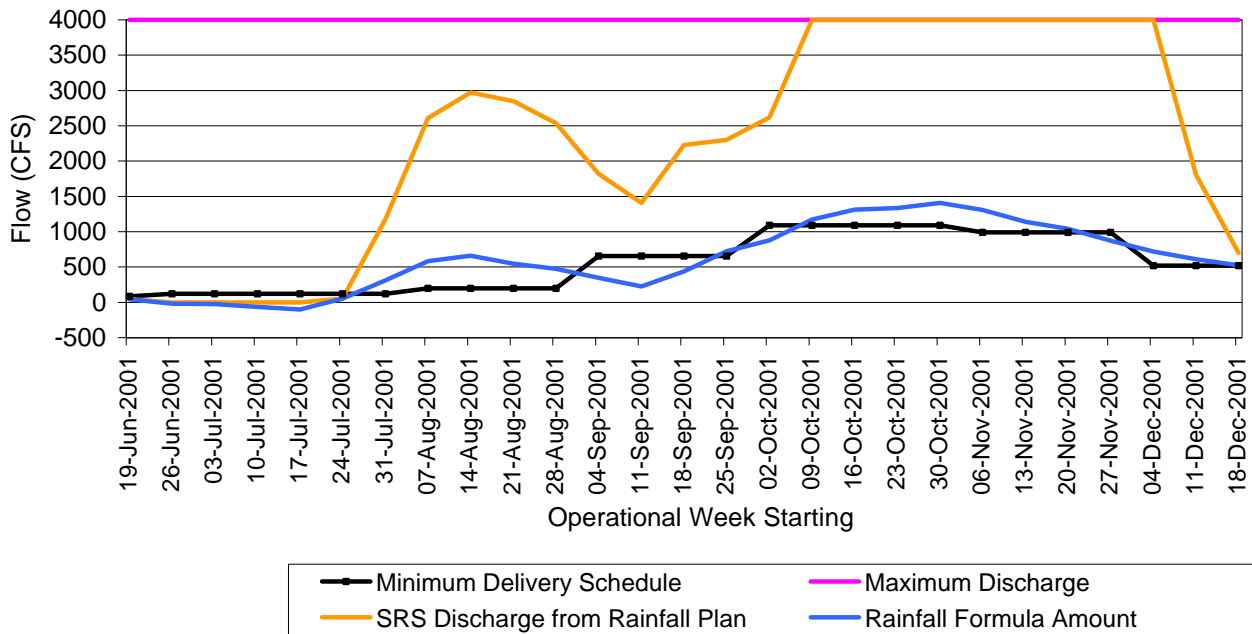
Rainfall Excess Terms
RL1 0.19 RL2 -0.25 RL3 -0.84

***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 December 25, 2001 to December 31, 2001 **453 cfs**

S-12 Discharge 204 cfs
 S-333 Discharge 249 cfs

----- Data Summary ----- December 14, 2001 to **December 21, 2001**
 WCA-3A Stage (end of week) 10.45 ft. msl
 Angel's 6.19 ft. msl
 G3273 6.84 ft. msl

<u>Station</u>	<u>Rainfall (in)</u>	<u>Pan Evaporation (in)</u>
S-7	0.02	0.74
S-8	0.00	
S-9	0.00	
S-140	0.05	0.83
S-12D	0.00	
S-336	0.00	
ENP	M	M
Gage 63	0.05	
Gage 64	0.01	
Gage 65	0.00	
This Week's Avg	0.01	0.79
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 0.05 feet
 Distance to Bottom of Regulatory Zone 0.30 feet

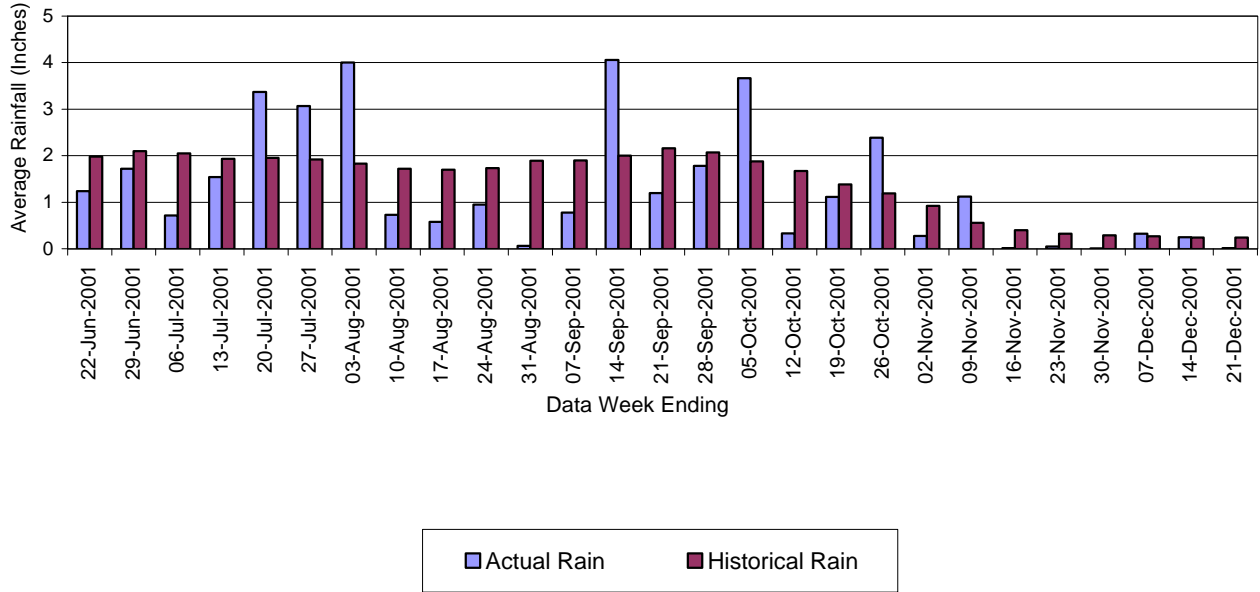
----- Statistical Parameters -----

Rainfall Formula Amount 453 cfs
 Last Week's Rainfall Formula 524 cfs
 Pre-Project Mean Discharge 321 cfs

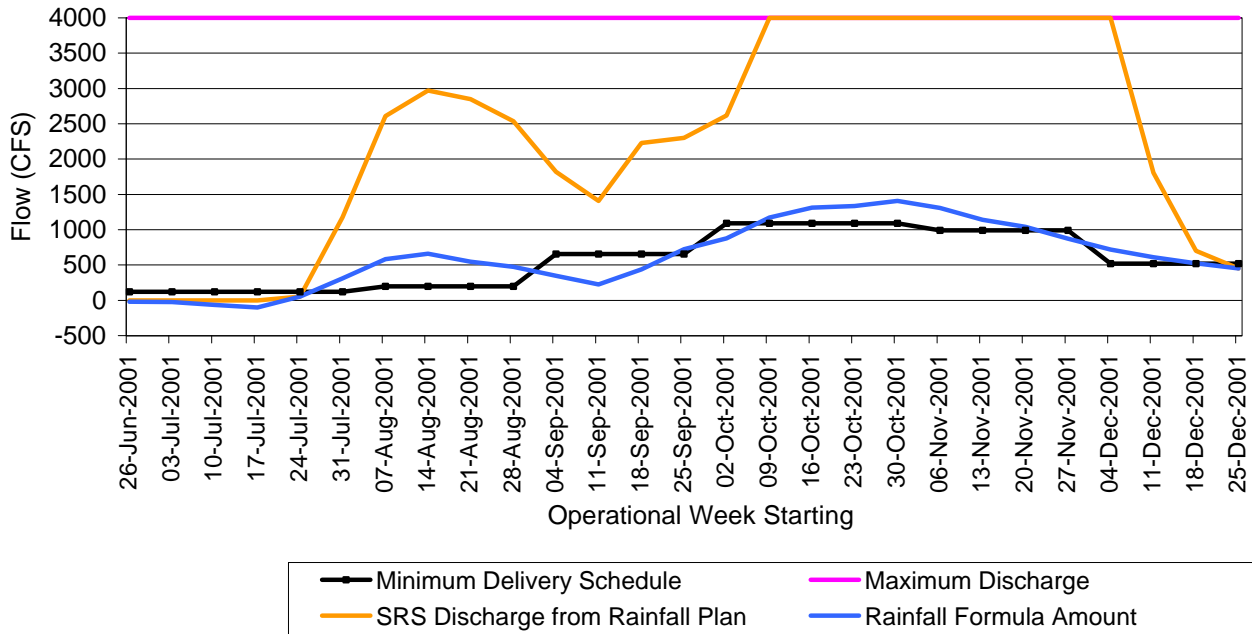
Rainfall Excess Terms
RL1 -0.22 RL2 -0.66 RL3 1.08

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

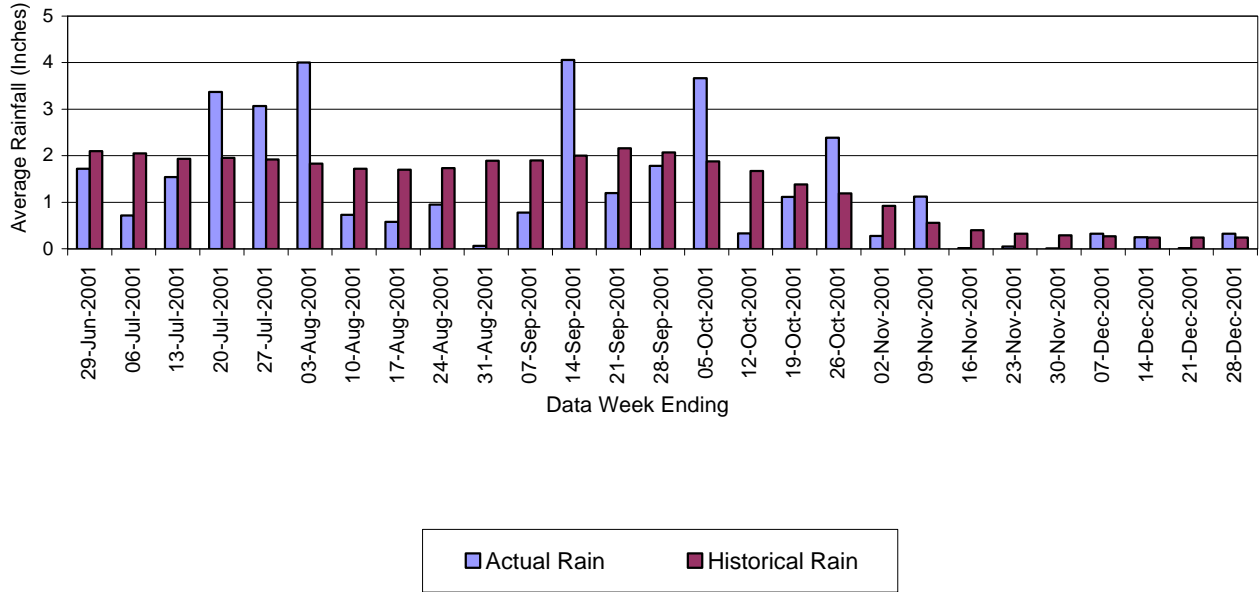
Shark River Slough Actual vs. Historical Rainfall



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

