WCA-3A RAINFALL-BASED MANAGEMENT PLAN

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

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

-----Data Summary-----
December 24, 2016 to December 30, 2016
WCA-3A Stage (end of week)    9.89 ft. msl
Angel’s    5.53 ft. msl
G-3273    6.38 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.08</td>
<td>0.76</td>
</tr>
<tr>
<td>S-140</td>
<td>0.82</td>
<td></td>
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<tr>
<td>ENP</td>
<td>M</td>
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</tr>
</tbody>
</table>

This Week's Avg    0.08 0.79
Pre-Project Avg    0.24 0.75

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

Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.36 feet

-----Statistical Parameters-----
Rainfall Formula Amount 77 cfs
Last Week's Rainfall Formula 71 cfs
Pre-project Mean Discharge 282 cfs

Rainfall Excess Terms
RL1 -0.30
RL2 0.12
RL3 -2.19

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
**WCA-3A RAINFALL-BASED MANAGEMENT PLAN**

Target Flow January 10, 2017 to January 16, 2017 50 cfs

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

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.21</td>
<td>0.76</td>
</tr>
<tr>
<td>S-140</td>
<td></td>
<td>0.76</td>
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<td>ENP</td>
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<td>M</td>
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</table>

This Week's Avg 0.21 0.76
Pre-Project Avg 0.27 0.75

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

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

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

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

Rainfall Excess Terms
RL1 -0.26
RL2 0.38
RL3 -1.77

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 17, 2017 to January 23, 2017

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

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.28</td>
<td>0.79</td>
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<tr>
<td>S-140</td>
<td>1.02</td>
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This Week's Avg 0.28 0.90
Pre-Project Avg 0.25 0.77

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

-----Statistical Parameters-----
Rainfall Formula Amount 30 cfs
Last Week's Rainfall Formula 50 cfs
Pre-project Mean Discharge 216 cfs

Rainfall Excess Terms
RL1 -0.15  RL2 -0.29  RL3 -0.66

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFOLL-BASED MANAGEMENT PLAN

Target Flow January 24, 2017 to January 30, 2017 0 cfs

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

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

WCA-3A Stage (end of week) 9.71 ft. msl
Angel’s 5.19 ft. msl
G-3273 5.90 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.03</td>
<td>0.90</td>
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<tr>
<td>S-140</td>
<td></td>
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<tr>
<td>ENP</td>
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<td>M</td>
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</table>

This Week's Avg 0.03 0.96
Pre-Project Avg 0.35 0.81

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

WCA-3A is in Zone E
Discharge Coeff. (cfs/ft) = 2500
Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.17 feet

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

Rainfall Formula Amount -10 cfs
Last Week's Rainfall Formula 30 cfs
Pre-project Mean Discharge 186 cfs

Rainfall Excess Terms
RL1 -0.51 RL2 -0.10 RL3 -0.41

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan
### WCA-3A RAINFALL-BASED MANAGEMENT PLAN

**Target Flow January 31, 2017 to February 6, 2017**

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.74</td>
<td>1.30</td>
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<tr>
<td>S-140</td>
<td>1.42</td>
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#### Data Summary

<table>
<thead>
<tr>
<th>Data</th>
<th>January 21, 2017 to January 27, 2017</th>
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</thead>
<tbody>
<tr>
<td>WCA-3A Stage (end of week)</td>
<td>9.68 ft. msl</td>
</tr>
<tr>
<td>Angel's</td>
<td>5.06 ft. msl</td>
</tr>
<tr>
<td>G-3273</td>
<td>5.79 ft. msl</td>
</tr>
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#### Transition Zone Information

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

<table>
<thead>
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<th>Data</th>
<th>Value</th>
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<td>Supplemental discharge is</td>
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<tr>
<td>Distance to Bottom of Current Zone</td>
<td>N/A feet</td>
</tr>
<tr>
<td>Distance to Top of Current Zone</td>
<td>0.15 feet</td>
</tr>
</tbody>
</table>

#### Statistical Parameters

- **Rainfall Excess Terms**
  - RL1: -0.45
  - RL2: -0.45
  - RL3: 0.12

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 7, 2017 to February 13, 2017 0 cfs

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

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

January 28, 2017 to February 3, 2017

WCA-3A Stage (end of week) 9.68 ft. msl
Angel's 5.04 ft. msl
G-3273 5.72 ft. msl

Station Rainfall (in) Pan Evaporation (in)

NEXRAD Rain for WCA-3A and S7 evaporation 0.65 0.94

S-140 0.90

ENP M

This Week's Avg 0.65 0.92
Pre-Project Avg 0.35 0.88

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

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

Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.11 feet

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

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

Rainfall Excess Terms

RL1 0.25 RL2 -0.78 RL3 0.38

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 14, 2017 to February 20, 2017

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

-----Data Summary-----
February 4, 2017 to February 10, 2017

WCA-3A Stage (end of week) 9.60 ft. msl
Angel's 4.79 ft. msl
G-3273 5.41 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.02</td>
<td>0.80</td>
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<tr>
<td>S-140</td>
<td>1.09</td>
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This Week's Avg 0.02 0.94
Pre-Project Avg 0.35 0.94

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

-----Statistical Parameters-----
Rainfall Formula Amount -38 cfs
Last Week's Rainfall Formula -30 cfs
Pre-project Mean Discharge 110 cfs
Rainfall Excess Terms
RL1 -0.06
RL2 -0.60
RL3 -0.29

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 21, 2017 to February 27, 2017 0 cfs

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

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

Station  
NEXRAD Rain for WCA-3A and S7 evaporation
S-140
ENP

This Week's Avg 0.03 0.80
Pre-Project Avg 0.35 1.01

-----Transition Zone Information-----
WCA-3A is in Zone E
Discharge Coeff. (cfs/ft) = 2500
Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.20 feet

-----Statistical Parameters-----
Rainfall Formula Amount -77 cfs
Last Week's Rainfall Formula -38 cfs
Pre-project Mean Discharge 88 cfs
Rainfall Excess Terms
RL1 -0.58 RL2 -0.26 RL3 -0.10

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Actual Rain vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

Operational Week Starting
Data Week Ending

Minimum Delivery Schedule
Maximum Discharge
Target Flow
Rainfall Formula Amount
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow February 28, 2017 to March 6, 2017 0 cfs

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

-----Data Summary-----
February 18, 2017 to February 24, 2017

WCA-3A Stage (end of week) 9.48 ft. msl
Angel's 4.92 ft. msl
G-3273 5.49 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.88</td>
<td>0.95</td>
</tr>
<tr>
<td>S-140</td>
<td>1.50</td>
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</tr>
<tr>
<td>ENP</td>
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<td>M</td>
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</table>

This Week's Avg 0.88 1.23
Pre-Project Avg 0.38 1.08

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

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

Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.18 feet

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

Rainfall Formula Amount -71 cfs
Last Week's Rainfall Formula -77 cfs
Pre-project Mean Discharge 69 cfs

Rainfall Excess Terms
RL1 0.13  RL2 -0.52  RL3 -0.45

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
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 7, 2017 to March 13, 2017 0 cfs

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

-----Data Summary-----
February 25, 2017 to March 3, 2017

WCA-3A Stage (end of week) 9.38 ft. msl
Angel’s 4.59 ft. msl
G-3273 5.03 ft. msl

Station Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 0.02 1.24
S-140 1.55
ENP M

This Week’s Avg 0.02 1.40
Pre-Project Avg 0.40 1.15

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

WCA-3A is in Zone E Discharge Coeff. (cfs/ft) = 2500
Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.23 feet

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

Rainfall Formula Amount -87 cfs
Last Week’s Rainfall Formula -71 cfs
Pre-project Mean Discharge 50 cfs

Rainfall Excess Terms
RL1 -0.19
RL2 -0.33
RL3 -0.78

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
### WCA-3A RAINFALL-BASED MANAGEMENT PLAN

<table>
<thead>
<tr>
<th>Target Flow March 14, 2017 to March 20, 2017 0 cfs</th>
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</table>

<table>
<thead>
<tr>
<th>S-12 Discharge</th>
<th>0 cfs</th>
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</thead>
<tbody>
<tr>
<td>S-333 Discharge</td>
<td>0 cfs</td>
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</table>

#### Data Summary

<table>
<thead>
<tr>
<th>March 4, 2017 to March 10, 2017</th>
</tr>
</thead>
</table>

- **WCA-3A Stage** (end of week) | 9.27 ft. msl |
- **Angel’s** | 4.27 ft. msl |
- **G-3273** | 4.63 ft. msl |

#### Station

<table>
<thead>
<tr>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.00</td>
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<tr>
<td>S-140</td>
<td>1.60</td>
</tr>
<tr>
<td>ENP</td>
<td>M</td>
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</tbody>
</table>

| This Week's Avg | 0.00 |
| Pre-Project Avg | 0.33 |

#### Transition Zone Information

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

| Supplemental discharge is | 0 cfs |
| Distance to Bottom of Current Zone | N/A |
| Distance to Top of Current Zone | 0.30 feet |

#### Statistical Parameters

| Rainfall Formula Amount | -148 cfs |
| Last Week's Rainfall Formula | -87 cfs |
| Pre-project Mean Discharge | 35 cfs |

| Rainfall Excess Terms | RL1 -1.13 | RL2 0.07 | RL3 -0.60 |

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow March 21, 2017 to March 27, 2017 0 cfs

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

-----Data Summary-----
March 11, 2017 to March 17, 2017

WCA-3A Stage (end of week) 9.24 ft. msl
Angel's 4.40 ft. msl
G-3273 4.77 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.97</td>
<td>1.57</td>
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<td>S-140</td>
<td>1.60</td>
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<td>M</td>
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</tbody>
</table>

This Week's Avg 0.97 1.58
Pre-Project Avg 0.43 1.29

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

Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.28 feet

-----Statistical Parameters-----
Rainfall Formula Amount -155 cfs
Last Week’s Rainfall Formula -148 cfs
Pre-project Mean Discharge 25 cfs

Rainfall Excess Terms
RL1 -0.25
RL2 -0.78
RL3 -0.26

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Target Flow March 28, 2017 to April 3, 2017 0 cfs

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

-----Data Summary -----
March 18, 2017 to March 24, 2017

WCA-3A Stage (end of week) 9.12 ft. msl
Angel's 4.12 ft. msl
G-3273 4.41 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.12</td>
<td>1.47</td>
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<tr>
<td>S-140</td>
<td>1.40</td>
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This Week's Avg 0.12 1.44
Pre-Project Avg 0.43 1.36

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

-----Statistical Parameters-----
Rainfall Formula Amount -140 cfs
Last Week's Rainfall Formula -155 cfs
Pre-project Mean Discharge 26 cfs
Rainfall Excess Terms RL1 -0.07 RL2 -1.00 RL3 -0.52

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow April 4, 2017 to April 10, 2017 0 cfs

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

-----Data Summary-----
March 25, 2017 to March 31, 2017

WCA-3A Stage (end of week) 9.04 ft. msl
Angel's 4.34 ft. msl
G-3273 4.63 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.15</td>
<td>1.44</td>
</tr>
<tr>
<td>S-140</td>
<td></td>
<td>1.09</td>
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<tr>
<td>ENP</td>
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<td>M</td>
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</tbody>
</table>

This Week's Avg 0.15 1.26
Pre-Project Avg 0.54 1.41

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

-----Statistical Parameters-----
Rainfall Formula Amount -153 cfs
Last Week's Rainfall Formula -140 cfs
Pre-project Mean Discharge 31 cfs
Rainfall Excess Terms RL1 -0.64 RL2 -0.44 RL3 -0.33

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow April 11, 2017 to April 17, 2017 0 cfs

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

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.32</td>
<td>1.74</td>
</tr>
<tr>
<td>S-140</td>
<td></td>
<td>1.40</td>
</tr>
<tr>
<td>ENP</td>
<td></td>
<td>M</td>
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</tbody>
</table>

This Week's Avg 0.32 1.57
Pre-Project Avg 0.59 1.47

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

-----Statistical Parameters ----- Rainfall Formula Amount -167 cfs
Last Week's Rainfall Formula -153 cfs
Pre-project Mean Discharge 32 cfs

Rainfall Excess Terms
RL1 -0.62
RL2 -1.20
RL3 0.07

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

Minimum Delivery Schedule  Maximum Discharge  Target Flow  Rainfall Formula Amount
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow  April 18, 2017  to  April 24, 2017  0 cfs
S-12 Discharge                             0 cfs
S-333 Discharge                             0 cfs

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and</td>
<td>0.23</td>
<td>1.71</td>
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<tr>
<td>S7 evaporation</td>
<td></td>
<td></td>
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<tr>
<td>S-140</td>
<td></td>
<td>1.79</td>
</tr>
<tr>
<td>ENP</td>
<td></td>
<td>M</td>
</tr>
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</table>

This Week's Avg    0.23                    1.75
Pre-Project Avg    0.60                    1.51

-----Transition Zone Information -----  
WCA-3A is in Zone E  Discharge Coeff. (cfs/ft) = 2500
Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.51 feet

-----Statistical Parameters -----  
Rainfall Formula Amount -197 cfs
Last Week's Rainfall Formula -167 cfs
Pre-project Mean Discharge 31 cfs
Rainfall Excess Terms
  RL1 -0.91  RL2 -0.89  RL3 -0.78

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow April 25, 2017 to May 1, 2017 0 cfs
S-12 Discharge 0 cfs
S-333 Discharge 0 cfs

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

Station | Rainfall (in) | Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation | 0.08 | 1.49
S-140 | 1.58
ENP | M

This Week's Avg 0.08 1.53
Pre-Project Avg 0.69 1.54

-----Transition Zone Information-----
WCA-3A is in Zone E
Discharge Coeff. (cfs/ft) = 2500
Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.58 feet

-----Statistical Parameters-----
Rainfall Formula Amount -239 cfs
Last Week's Rainfall Formula -197 cfs
Pre-project Mean Discharge 29 cfs
Rainfall Excess Terms
RL1 -1.17
RL2 -0.69
RL3 -1.00

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow May 2, 2017 to May 8, 2017 0 cfs

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

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

April 22, 2017 to April 28, 2017

WCA-3A Stage (end of week) 8.85 ft. msl
Angel's 4.76 ft. msl
G-3273 4.93 ft. msl

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

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

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

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

Rainfall Formula Amount -173 cfs
Last Week's Rainfall Formula -239 cfs
Pre-project Mean Discharge 24 cfs
Rainfall Excess Terms
RL1 0.65
RL2 -1.56
RL3 -0.44

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow May 9, 2017 to May 15, 2017 0 cfs

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

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

April 29, 2017 to May 5, 2017

WCA-3A Stage (end of week) 8.84 ft. msl
Angel's 4.79 ft. msl
G-3273 5.36 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>1.87</td>
<td>1.33</td>
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<td>S-140</td>
<td>2.05</td>
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This Week's Avg 1.87 1.69
Pre-Project Avg 0.92 1.60

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

WCA-3A is in Zone E

Discharge Coeff. (cfs/ft) = 2500
Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.37 feet

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

Rainfall Formula Amount -12 cfs
Last Week's Rainfall Formula -173 cfs
Pre-project Mean Discharge 16 cfs
Rainfall Excess Terms
RL1 2.13
RL2 -1.79
RL3 -1.20

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

Actual Rain
Historical Rain

Minimum Delivery Schedule
Maximum Discharge
Target Flow
Rainfall Formula Amount
Target Flow May 16, 2017 to May 22, 2017 0 cfs

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

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and</td>
<td>0.00</td>
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<td>S7 evaporation</td>
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<tr>
<td>S-140</td>
<td>2.18</td>
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This Week's Avg 0.00 1.98
Pre-Project Avg 1.08 1.61

-----Transition Zone Information-----
WCA-3A is in Zone E
Discharge Coeff. (cfs/ft) = 2500
Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.47 feet

-----Statistical Parameters-----
Rainfall Formula Amount -38 cfs
Last Week's Rainfall Formula -12 cfs
Pre-project Mean Discharge 13 cfs
Rainfall Excess Terms
RL1 -0.49  RL2 -0.26  RL3 -0.89

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow May 23, 2017 to May 29, 2017 0 cfs

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

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

WCA-3A Stage (end of week) 8.60 ft. msl
Angel's 3.75 ft. msl
G-3273 3.97 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.34</td>
<td>2.00</td>
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<tr>
<td>S-140</td>
<td></td>
<td>2.01</td>
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<td>M</td>
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This Week's Avg 0.34 2.00
Pre-Project Avg 1.21 1.62

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

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

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

Rainfall Formula Amount -159 cfs
Last Week's Rainfall Formula -38 cfs
Pre-project Mean Discharge 12 cfs

Rainfall Excess Terms
RL1 -2.55
RL2 0.96
RL3 -0.69

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow May 30, 2017 to June 5, 2017 0 cfs

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

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

Station Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 1.67 2.08
S-140 1.94
ENP M

This Week's Avg 1.67 2.01
Pre-Project Avg 1.43 1.61

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

-----Statistical Parameters-----
Rainfall Formula Amount -201 cfs
Last Week's Rainfall Formula -159 cfs
Pre-project Mean Discharge 17 cfs

Rainfall Excess Terms
RL1 -1.26 RL2 0.15 RL3 -1.56

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow June 6, 2017 to June 12, 2017 0 cfs

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

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

May 27, 2017 to June 2, 2017

WCA-3A Stage (end of week) 8.58 ft. msl
Angel's 3.64 ft. msl
G-3273 3.80 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>1.29</td>
<td>1.98</td>
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<tr>
<td>S-140</td>
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<td>1.72</td>
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</table>

This Week's Avg 1.29 1.85
Pre-Project Avg 1.57 1.61

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

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

Supplemental discharge is 0 cfs
Distance to Bottom of Current Zone N/A feet
Distance to Top of Current Zone 0.45 feet

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

Rainfall Formula Amount -200 cfs
Last Week's Rainfall Formula -201 cfs
Pre-project Mean Discharge 27 cfs

Rainfall Excess Terms
RL1 -0.55 RL2 -0.42 RL3 -1.79

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

Minimum Delivery Schedule: [Graph showing flow values over time]
Maximum Discharge: [Graph showing flow values over time]
Target Flow: [Graph showing flow values over time]
Rainfall Formula Amount: [Graph showing flow values over time]
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow June 13, 2017 to June 19, 2017 MAX cfs

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

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

June 3, 2017 to June 9, 2017

WCA-3A Stage (end of week) 10.09 ft. msl
Angel's 6.24 ft. msl
G-3273 6.29 ft. msl

Station | Rainfall (in) | Pan Evaporation (in)
-------|--------------|---------------------
NEXRAD Rain for WCA-3A and S7 evaporation | 14.44 | 1.40
S-140 | 1.68 |
ENP | M |

This Week's Avg | 14.44 | 1.54
Pre-Project Avg | 1.67 | 1.59

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

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

Supplemental discharge is MAX cfs
Distance to Bottom of Current Zone -0.53 feet
Distance to Top of Current Zone N/A feet

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

Rainfall Formula Amount 704 cfs
Last Week's Rainfall Formula -200 cfs
Pre-project Mean Discharge 40 cfs

Rainfall Excess Terms
RL1 12.34
RL2 -1.75
RL3 -0.26

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow June 20, 2017 to June 26, 2017

S-12 Discharge(MAX) MAX cfs
S-333 Discharge(MAX) MAX cfs

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

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

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

- Minimum Delivery Schedule
- Maximum Discharge
- Target Flow
- Rainfall Formula Amount
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

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

-----Data Summary-----
June 17, 2017 to June 23, 2017
WCA-3A Stage (end of week) 11.07 ft. msl
Angel’s 5.85 ft. msl
G-3273 6.44 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>1.27</td>
<td>1.40</td>
</tr>
<tr>
<td>S-140</td>
<td>1.63</td>
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<tr>
<td>ENP</td>
<td>M</td>
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</table>

This Week’s Avg 1.27 1.52
Pre-Project Avg 1.98 1.51

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan
WCA-3A RAINFOLL-BASED MANAGEMENT PLAN

Target Flow July 4, 2017 to July 10, 2017 MAX cfs
S-12 Discharge MAX cfs
S-333 Discharge MAX cfs

-----Data Summary -----
June 24, 2017 to June 30, 2017

WCA-3A Stage (end of week) 11.26 ft. msl
Angel’s 6.01 ft. msl
G-3273 6.47 ft. msl

Station  Rainfall (in)  Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 1.04 2.03
S-140 2.19
ENP M

This Week's Avg 1.04 2.11
Pre-Project Avg 2.10 1.49

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.
WCA-3A RAiNFALL-BASED MANAGEMENT PLAN

Target Flow July 11, 2017 to July 17, 2017 MAX cfs
S-12 Discharge MAX cfs
S-333 Discharge MAX cfs

-----Data Summary----- July 1, 2017 to July 7, 2017

WCA-3A Stage (end of week) 11.18 ft. msl
Angel’s 5.42 ft. msl
G-3273 6.25 ft. msl

Station Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 0.85 1.76
S-140 1.86
ENP M

This Week’s Avg 0.85 1.81
Pre-Project Avg 2.05 1.45

-----Transition Zone Information-----
WCA-3A is in Zone A
Supplemental discharge is MAX cfs
Distance to Bottom of Current Zone -1.44 feet
Distance to Top of Current Zone N/A feet

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

Minimum Delivery Schedule
Maximum Discharge
Target Flow
Rainfall Formula Amount
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow July 18, 2017 to July 24, 2017

<table>
<thead>
<tr>
<th>Max Flow</th>
<th>Target</th>
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</thead>
<tbody>
<tr>
<td>S-12 Discharge</td>
<td>MAX cfs</td>
</tr>
<tr>
<td>S-333 Discharge</td>
<td>MAX cfs</td>
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</table>

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

July 8, 2017 to July 14, 2017

<table>
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<tr>
<th>Station</th>
<th>WCA-3A Stage (end of week)</th>
<th>Angel's</th>
<th>G-3273</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11.18 ft. msl</td>
<td>6.78 ft. msl</td>
<td>6.80 ft. msl</td>
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<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>4.32</td>
<td>1.58</td>
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<td>S-140</td>
<td>3.79</td>
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<td>ENP</td>
<td>M</td>
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</tbody>
</table>

This Week's Avg 4.32 2.68
Pre-Project Avg 1.93 1.45

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

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

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

Rainfall Formula Amount 1197 cfs
Last Week's Rainfall Formula 1190 cfs
Pre-project Mean Discharge 128 cfs

Rainfall Excess Terms
RL1 -0.08  RL2 10.02  RL3 -3.10

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

NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.
Shark River Slough
Actual vs. Historical Rainfall

Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

Minimum Delivery Schedule  Maximum Discharge  Target Flow  Rainfall Formula Amount
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow July 25, 2017 to July 31, 2017 Max cfs

S-12 Discharge Max cfs
S-333 Discharge Max cfs

-----Data Summary-----
WCA-3A Stage (end of week) 11.36 ft. msl
Angel’s 6.66 ft. msl
G-3273 7.06 ft. msl

Station Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 1.39 2.06
S-140 1.95
ENP M

This Week’s Avg 1.39 2.00
Pre-Project Avg 1.95 1.43

-----Transition Zone Information-----
WCA-3A is in Zone A
Discharge Coeff. (cfs/ft) = Max cfs
Supplemental discharge is Max cfs
Distance to Bottom of Current Zone -1.53 feet
Distance to Top of Current Zone N/A feet

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow August 1, 2017 to August 7, 2017 MAX cfs
S-12 Discharge MAX cfs
S-333 Discharge MAX cfs

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

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

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow August 8, 2017 to August 14, 2017

MAX cfs

-----Data Summary-----
July 29, 2017 to August 4, 2017

WCA-3A Stage (end of week) 11.25 ft. msl
Angel's 7.13 ft. msl
G-3273 7.29 ft. msl

Station Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 2.21 1.68
S-140 2.32
ENP M

This Week's Avg 2.21 2.00
Pre-Project Avg 1.83 1.42

-----Transition Zone Information-----
WCA-3A is in Zone A
Discharge Coeff. (cfs/ft) = MAX
cfs

Supplemental discharge is MAX cfs
Distance to Bottom of Current Zone -1.33 feet
Distance to Top of Current Zone N/A feet

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

### Target Flow

<table>
<thead>
<tr>
<th>S-12 Discharge</th>
<th>MAX cfs</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-333 Discharge</td>
<td>MAX cfs</td>
</tr>
</tbody>
</table>

### -----Data Summary-----

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

### Station

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>1.44</td>
<td>1.99</td>
</tr>
<tr>
<td>S-140</td>
<td>1.80</td>
<td></td>
</tr>
<tr>
<td>ENP</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

| This Week's Avg | 1.44 | 1.89 |
| Pre-Project Avg | 1.72 | 1.42 |

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

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

<table>
<thead>
<tr>
<th>Discharge Coeff. (cfs/ft)</th>
<th>MAX cfs</th>
</tr>
</thead>
</table>

**Supplemental discharge is MAX cfs**

| Distance to Bottom of Current Zone | -1.16 feet |
| Distance to Top of Current Zone   | N/A feet   |

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

- Rainfall Formula Amount: 1015 cfs
- Last Week's Rainfall Formula: 1031 cfs
- Pre-project Mean Discharge: 185 cfs

| Rainfall Excess Terms | RL1 -0.75 | RL2 -3.05 | RL3 10.02 |

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

*NOTE*: Actual discharges may vary from target discharges because of changing hydrologic conditions.
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

- Minimum Delivery Schedule
- Maximum Discharge
- Target Flow
- Rainfall Formula Amount
**WCA-3A RAINFALL-BASED MANAGEMENT PLAN**

**Target Flow August 22, 2017 to August 28, 2017**

<table>
<thead>
<tr>
<th>Discharge</th>
<th>MAX cfs</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-12</td>
<td></td>
</tr>
<tr>
<td>S-333</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCA-3A Stage (end of week)</td>
<td>11.00 ft. msl</td>
<td></td>
</tr>
<tr>
<td>Angel's</td>
<td>6.30 ft. msl</td>
<td></td>
</tr>
<tr>
<td>G-3273</td>
<td>7.03 ft. msl</td>
<td></td>
</tr>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>1.01</td>
<td>1.73</td>
</tr>
<tr>
<td>S-140</td>
<td>1.76</td>
<td></td>
</tr>
<tr>
<td>ENP</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

This Week's Avg | 1.01 | 1.74 |
Pre-Project Avg | 1.70 | 1.39 |

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

WCA-3A is in Zone A

<table>
<thead>
<tr>
<th>Discharge Coeff. (cfs/ft)</th>
<th>MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplemental discharge is</td>
<td>MAX cfs</td>
</tr>
<tr>
<td>Distance to Bottom of Current Zone</td>
<td>-0.98 feet</td>
</tr>
<tr>
<td>Distance to Top of Current Zone</td>
<td>N/A feet</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Rainfall Formula Amount</th>
<th>866 cfs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Week's Rainfall Formula</td>
<td>1015 cfs</td>
</tr>
<tr>
<td>Pre-project Mean Discharge</td>
<td>199 cfs</td>
</tr>
</tbody>
</table>

Rainfall Excess Terms

<table>
<thead>
<tr>
<th>RL1</th>
<th>RL2</th>
<th>RL3</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1.64</td>
<td>-1.65</td>
<td>-4.27</td>
</tr>
</tbody>
</table>

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

**NOTE:** Actual discharges may vary from target discharges because of changing hydrologic conditions.
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow August 29, 2017 to September 4, 2017 MAX cfs

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

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

August 19, 2017 to August 25, 2017

WCA-3A Stage (end of week) 11.11 ft. msl
Angel's 6.70 ft. msl
G-3273 7.08 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>2.78</td>
<td>1.50</td>
</tr>
<tr>
<td>S-140</td>
<td>1.44</td>
<td></td>
</tr>
<tr>
<td>ENP</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

This Week's Avg 2.78 1.47
Pre-Project Avg 1.73 1.40

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

WCA-3A is in Zone A

Discharge Coeff. (cfs/ft) = MAX

Supplemental discharge is MAX cfs
Distance to Bottom of Current Zone -1.05 feet
Distance to Top of Current Zone N/A feet

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

Rainfall Formula Amount 829 cfs
Last Week's Rainfall Formula 866 cfs
Pre-project Mean Discharge 223 cfs

Rainfall Excess Terms RL1 0.02 RL2 -3.71 RL3 -2.36

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
## WCA-3A RAINFALL-BASED MANAGEMENT PLAN

### Target Flow
- **September 5, 2017** to **September 11, 2017**, MAX cfs

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>287.47</td>
<td>1.71</td>
</tr>
<tr>
<td>S-140</td>
<td>1.71</td>
<td></td>
</tr>
<tr>
<td>ENP</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

**This Week's Avg**: 287.47, 1.71
**Pre-Project Avg**: 1.89, 1.36

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

### Statistical Parameters
- **Rainfall Formula Amount**: 21012 cfs
- **Last Week's Rainfall Formula**: 829 cfs
- **Pre-project Mean Discharge**: 257 cfs
- **Rainfall Excess Terms**:
  - RL1: 286.29
  - RL2: 3.67
  - RL3: -2.66

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

**Note**: Actual discharges may vary from target discharges because of changing hydrologic conditions.
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow September 12, 2017 to September 18, 2017 MAX cfs
S-12 Discharge
S-333 Discharge

-----Data Summary-----
September 2, 2017 to September 8, 2017

WCA-3A Stage (end of week) 11.17 ft. msl
Angel's 6.73 ft. msl
G-3273 7.20 ft. msl

Station                 Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and
S7 evaporation          1.80     2.01
S-140                    1.81
ENP                      M

This Week's Avg          1.80     1.91
Pre-Project Avg          1.90     1.34

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow September 19, 2017 to September 25, 2017

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

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

September 9, 2017 to September 15, 2017

WCA-3A Stage (end of week) 11.98 ft. msl
Angel’s 7.83 ft. msl
G-3273 7.88 ft. msl

Station Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 8.28 2.26
S-140 1.80
ENP M

This Week’s Avg 8.28 2.03
Pre-Project Avg 2.00 1.31

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

WCA-3A is in Zone A
Discharge Coeff. (cfs/ft) = MAX
supplemental discharge is MAX cfs
distance to bottom of current zone -1.78 feet
distance to top of current zone N/A feet

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

Rainfall Formula Amount 1071 cfs
Last Week’s Rainfall Formula 667 cfs
Pre-project Mean Discharge 385 cfs

Rainfall Excess Terms
RL1 5.15
RL2 -2.26
RL3 -1.65

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow September 26, 2017 to October 2, 2017 MAX cfs

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

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

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.39</td>
<td>1.58</td>
</tr>
<tr>
<td>S-140</td>
<td></td>
<td>1.71</td>
</tr>
<tr>
<td>ENP</td>
<td></td>
<td>M</td>
</tr>
</tbody>
</table>

This Week's Avg 0.39 1.64
Pre-Project Avg 2.16 1.27

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

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

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow October 3, 2017 to October 9, 2017 MAX cfs
S-12 Discharge MAX cfs
S-333 Discharge MAX cfs

-----Data Summary-----
September 23, 2017 to September 29, 2017
WCA-3A Stage (end of week) 12.24 ft. msl
Angel’s 7.54 ft. msl
G-3273 7.71 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and</td>
<td>1.78</td>
<td>1.58</td>
</tr>
<tr>
<td>S7 evaporation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-140</td>
<td>1.53</td>
<td></td>
</tr>
<tr>
<td>ENP</td>
<td></td>
<td>M</td>
</tr>
</tbody>
</table>

This Week’s Avg 1.78 1.55
Pre-Project Avg 2.07 1.25

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
### WCA-3A RAINFALL-BASED MANAGEMENT PLAN

**Target Flow October 10, 2017 to October 16, 2017**

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

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

**September 30, 2017 to October 6, 2017**

- **WCA-3A Stage (end of week):** 12.57 ft. msl
- **Angel’s:** 7.91 ft. msl
- **G-3273:** 8.00 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>3.04</td>
<td>1.47</td>
</tr>
<tr>
<td>S-140</td>
<td>1.30</td>
<td></td>
</tr>
<tr>
<td>ENP</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

| This Week's Avg  | 3.04 | 1.38 |
| Pre-Project Avg  | 1.88 | 1.21 |

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

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

- **Distance to Bottom of Current Zone:** -2.23 feet
- **Distance to Top of Current Zone:** N/A feet

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

- **Rainfall Formula Amount:** 1683 cfs
- **Last Week’s Rainfall Formula:** 1484 cfs
- **Pre-project Mean Discharge:** 995 cfs

**Rainfall Excess Terms**

- RL1: 0.49
- RL2: 1.47
- RL3: -0.73

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
**WCA-3A RAINFALL-BASED MANAGEMENT PLAN**

<table>
<thead>
<tr>
<th>Target Flow</th>
<th>October 17, 2017 to October 23, 2017</th>
<th>MAX cfs</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-12 Discharge</td>
<td>MAX</td>
<td>cfs</td>
</tr>
<tr>
<td>S-333 Discharge</td>
<td>MAX</td>
<td>cfs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>October 7, 2017 to October 13, 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCA-3A Stage (end of week)</td>
</tr>
<tr>
<td>Angel’s</td>
</tr>
<tr>
<td>G-3273</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.64</td>
<td>1.01</td>
</tr>
<tr>
<td>S-140</td>
<td></td>
<td>1.65</td>
</tr>
<tr>
<td>ENP</td>
<td></td>
<td>M</td>
</tr>
</tbody>
</table>

This Week's Avg | 0.64 | 1.33 |
Pre-Project Avg | 1.67 | 1.16 |

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

WCA-3A is in Zone A

<table>
<thead>
<tr>
<th>Discharge Coeff. (cfs/ft) = MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplemental discharge is MAX cfs</td>
</tr>
<tr>
<td>Distance to Bottom of Current Zone -2.18 feet</td>
</tr>
<tr>
<td>Distance to Top of Current Zone N/A feet</td>
</tr>
</tbody>
</table>

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

| Rainfall Formula Amount | 1770 cfs |
| Last Week's Rainfall Formula | 1683 cfs |
| Pre-project Mean Discharge | 1130 cfs |
| Rainfall Excess Terms | RL1 -0.15 | RL2 2.56 | RL3 -2.26 |

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

**NOTE:** Actual discharges may vary from target discharges because of changing hydrologic conditions.
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow October 24, 2017 to October 30, 2017  MAX cfs
S-12 Discharge  MAX cfs
S-333 Discharge  MAX cfs

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

Station Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 0.94 1.20
S-140 1.42
ENP  M

This Week's Avg 0.94 1.31
Pre-Project Avg 1.38 1.12

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

-----Statistical Parameters-----
Rainfall Formula Amount 1757 cfs
Last Week's Rainfall Formula 1770 cfs
Pre-project Mean Discharge 1229 cfs

Rainfall Excess Terms
RL1 -1.76  RL2 4.13  RL3 -2.15

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.
**WCA-3A RAINFALL-BASED MANAGEMENT PLAN**

<table>
<thead>
<tr>
<th>Target Flow October 31, 2017 to November 6, 2017</th>
<th>MAX cfs</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-12 Discharge</td>
<td>MAX cfs</td>
</tr>
<tr>
<td>S-333 Discharge</td>
<td>MAX cfs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>October 21, 2017 to October 27, 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCA-3A Stage (end of week)</td>
</tr>
<tr>
<td>Angel's</td>
</tr>
<tr>
<td>G-3273</td>
</tr>
</tbody>
</table>

Station | Rainfall (in) | Pan Evaporation (in) |
--------|---------------|----------------------|
NEXRAD Rain for WCA-3A and S7 evaporation | 0.89 | 1.44 |
S-140 | 2.11 |
ENP | M |

This Week's Avg 0.89 1.77
Pre-Project Avg 1.19 1.06

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

WCA-3A is in Zone A

Supplemental discharge is MAX cfs
Distance to Bottom of Current Zone -1.91 feet
Distance to Top of Current Zone N/A feet

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

Rainfall Formula Amount 1664 cfs
Last Week's Rainfall Formula 1757 cfs
Pre-project Mean Discharge 1220 cfs

Rainfall Excess Terms RL1 -1.47 RL2 -2.75 RL3 4.53

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow November 7, 2017 to November 13, 2017

<table>
<thead>
<tr>
<th>Discharge</th>
<th>MAX cfs</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-12</td>
<td></td>
</tr>
<tr>
<td>S-333</td>
<td></td>
</tr>
</tbody>
</table>

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

October 28, 2017 to November 3, 2017

<table>
<thead>
<tr>
<th>WCA-3A Stage (end of week)</th>
<th>ft. msl</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCA-3A</td>
<td>12.33</td>
</tr>
<tr>
<td>Angel’s</td>
<td>7.55</td>
</tr>
<tr>
<td>G-3273</td>
<td>7.79</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A</td>
<td>2.69</td>
<td>1.02</td>
</tr>
<tr>
<td>and S7 evaporation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-140</td>
<td>2.54</td>
<td></td>
</tr>
<tr>
<td>ENP</td>
<td>M</td>
<td></td>
</tr>
</tbody>
</table>

This Week's Avg 2.69 1.78
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 Current Zone N/A feet
Distance to Top of Current Zone MAX feet

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan

[Graphs showing rainfall and flow data over time]
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow November 14, 2017 to November 20, 2017 MAX cfs

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

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

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

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

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

WCA-3A is in Zone A MAX
Supplemental discharge is MAX cfs
Distance to Bottom of Current Zone -1.62 feet
Distance to Top of Current Zone N/A feet

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

Rainfall Formula Amount 1391 cfs
Last Week's Rainfall Formula 1521 cfs
Pre-project Mean Discharge 937 cfs

Rainfall Excess Terms
RL1 0.50
RL2 -1.61
RL3 2.56

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow November 21, 2017 to November 27, 2017 MAX cfs
S-12 Discharge MAX cfs
S-333 Discharge MAX cfs

-----Data Summary-----
November 11, 2017 to November 17, 2017
WCA-3A Stage (end of week) 11.88 ft. msl
Angel’s 7.44 ft. msl
G-3273 7.75 ft. msl

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

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

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

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

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.37</td>
<td>1.00</td>
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<td>S-140</td>
<td>1.00</td>
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This Week's Avg 0.37 1.00
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 Current Zone N/A feet
Distance to Top of Current Zone N/A feet

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow December 5, 2017 to December 11, 2017

<table>
<thead>
<tr>
<th>Discharge</th>
<th>MAX cfs</th>
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<tbody>
<tr>
<td>S-12 Discharge</td>
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<tr>
<td>S-333 Discharge</td>
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-----Data Summary-----

<table>
<thead>
<tr>
<th>Stage (end of week)</th>
<th>November 25, 2017 to December 1, 2017</th>
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<tbody>
<tr>
<td>WCA-3A</td>
<td>11.43 ft. msl</td>
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<tr>
<td>Angel's</td>
<td>7.03 ft. msl</td>
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<tr>
<td>G-3273</td>
<td>7.58 ft. msl</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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</thead>
<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.18</td>
<td>1.12</td>
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<tr>
<td>S-140</td>
<td>0.97</td>
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<td>ENP</td>
<td>M</td>
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</table>

This Week's Avg 0.18 1.05
Pre-Project Avg 0.29 0.82

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

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

Supplemental discharge is MAX cfs
Distance to Bottom of Current Zone 0.93 feet
Distance to Top of Current Zone N/A feet

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

Rainfall Formula Amount 840 cfs
Last Week's Rainfall Formula 1011 cfs
Pre-project Mean Discharge 566 cfs

Rainfall Excess Terms
RL1 -0.34  RL2 -0.90  RL3 -1.27

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
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 12, 2017 to December 18, 2017 MAX cfs
S-12 Discharge MAX cfs
S-333 Discharge MAX cfs

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

Station Rainfall (in) Pan Evaporation (in)
NEXRAD Rain for WCA-3A and S7 evaporation 0.11 0.80
S-140 0.92
ENP M

This Week's Avg 0.11 0.86
Pre-Project Avg 0.27 0.80

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

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

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
Shark River Slough
Actual vs. Historical Rainfall

Deliveries to Shark River Slough
Computed by Rainfall Plan
### WCA-3A RAINFALL-BASED MANAGEMENT PLAN

<table>
<thead>
<tr>
<th>Target Flow December 19, 2017 to December 25, 2017</th>
<th>MAX cfs</th>
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<tbody>
<tr>
<td>S-12 Discharge</td>
<td>MAX cfs</td>
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<td>S-333 Discharge</td>
<td>MAX cfs</td>
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#### -----Data Summary-----

<table>
<thead>
<tr>
<th>December 9, 2017 to December 15, 2017</th>
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<tbody>
<tr>
<td>WCA-3A Stage (end of week)</td>
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<tr>
<td>Angel's</td>
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<tr>
<td>G-3273</td>
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<table>
<thead>
<tr>
<th>Station</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
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<td>S-140</td>
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<td>ENP</td>
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<tr>
<th>This Week's Avg</th>
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<tr>
<td>Pre-Project Avg</td>
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<table>
<thead>
<tr>
<th>Rainfall Formula Amount</th>
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<tr>
<td>551 cfs</td>
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<table>
<thead>
<tr>
<th>Discharge Coeff. (cfs/ft) = MAX</th>
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<tbody>
<tr>
<td>Supplemental discharge is MAX cfs</td>
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<tr>
<td>Distance to Bottom of Current Zone</td>
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<tr>
<td>Distance to Top of Current Zone</td>
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<table>
<thead>
<tr>
<th>Statistical Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainfall Excess Terms</td>
</tr>
</tbody>
</table>

| RL1 -0.50 |
|          |
| RL2 -1.54 |
|          |
| RL3 -1.47 |

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

*NOTE: Actual discharges may vary from target discharges because of changing hydrologic conditions.*
WCA-3A RAINFALL-BASED MANAGEMENT PLAN

Target Flow January 2, 2018 to January 8, 2018 MAX cfs
S-12 Discharge MAX cfs
S-333 Discharge MAX cfs

-----Data Summary-----
December 23, 2017 to December 29, 2017 MAX cfs
WCA-3A Stage (end of week) 10.60 ft. msl
Angel's 6.82 ft. msl
G-3273 7.52 ft. msl

<table>
<thead>
<tr>
<th>Station</th>
<th>Rainfall (in)</th>
<th>Pan Evaporation (in)</th>
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<tbody>
<tr>
<td>NEXRAD Rain for WCA-3A and S7 evaporation</td>
<td>0.01</td>
<td>0.71</td>
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<td>0.98</td>
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This Week's Avg 0.01 0.84
Pre-Project Avg 0.24 0.75

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

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

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

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