

APPENDIX D:  
WATER CONSERVATION AREA NO. 3,  
EVERGLADES NATIONAL PARK AND  
EVERGLADES NATIONAL PARK-SOUTH  
DADE CONVEYANCE SYSTEM  
OPERATIONAL GUIDANCE

**DRAFT**  
**CSSS Operational Guidance for**  
**Water Conservation Area No. 3, Everglades National Park, and**  
**ENP-South Dade Conveyance System**

<b>Structure/ Operational Component</b>	<b>Column 1: No WCA-3A Regulatory Releases to SDCS or SRS</b>	<b>Column 2: WCA-3A Releases to SDCS</b>	<b>WCA-3A Ecological Purpose</b>
<p>Note: This table provides guidance on use of operational flexibility to protect the CSSS to be used in conjunction with Table 7-5 of the Water Conservation Area No. 3, Everglades National Park, and ENP-South Dade Conveyance System to improve conditions for sparrow breeding. This guidance is effective upon approval by the Chief of the Water Management Section and remains effective until revised or revoked by the Chief the Water Management Section or until the Water Control Plan is updated.</p>			
<p>Rainfall Plan</p>	<p>Preemptive releases from S-12C/D and/or S-333 may be utilized to release up to the projected inflows from WCA-1/WCA-2 structures and/or forecasted large rainfall events above the release decision of the rainfall plan.</p>		<p>S-12C/D and/or S-333 operations to release up to the projected inflows from WCA-1/WCA-2 structures and/or forecasted large rainfall events are expected to reduce the potential of greater releases through the S-12s when the WCA-3A stage reaches Zone A of the regulation schedule. The intent is to try to maintain WCA-3A below Zone A by preemptively releasing water above the rainfall plan. This is protective of apple snail, snail kite, wood stork and other wading birds and their habitat in WCA-3A by attempting to prevent high stages in WCA-3A. Also CSSS-A is enhanced by not releasing flows directly north of their habitat. This may result in more favorable habitat for the CSSS-A, depending on rainfall patterns in the area.</p>

Structure/ Operational Component	<b>Column 1:</b> No WCA-3A Regulatory Releases to SDCS or SRS	<b>Column 2:</b> WCA-3A Releases to SDCS	WCA-3A Ecological Purpose
S-343 A/B and S-344	When WCA-3A is in Zone A, S-343A/B and S-344 may be opened with S-12A after S-12B discharges are maximized.		<p>Maximizing discharges through the eastern structures first will potentially delay the S-343A/B and S-344 opening date and reduce the flow of water south through these structures.</p> <p>The intent is to delay the required opening as long as possible from these structures to minimize the amount of flow entered into the system north of the CSSS-A. Flows from these structures flow south through Big Cypress national park and then are redistributed by the Tamiami Trial borrow canal. These flows potentially cause an extension of the high water stages do to the timing of the flows getting to the CSSS-A area. The delay of opening them is hoped to improve the CSSS-A by producing more favorable habitat conditions. This may result in more favorable habitat for the CSSS-A, depending on rainfall patterns in the area.</p>
S-12 A/B/C/D	<p>S-12D may be opened after S-333 discharges are maximized. L-29 maximum elevations will continue to apply as will G-3273 triggers, both of which be adjusted under Increments 1 and 2.</p> <p>S-12C may be opened after S-12D discharges are maximized.  S-12B may be opened after S-12C discharges are maximized.  S-12A may be opened after S-12B discharges are maximized.</p>		<p>Maximizing discharges through the eastern structures first will potentially delay the S-12A and S-12B opening date and reduce the flow of water south through these structures. This is protective of CSSS, Subpopulation A by trying to limit the release of flows north of their habitat. This may result in more favorable habitat for the CSSS Subpopulation A, depending on rainfall patterns in the area.</p>

<b>Structure/ Operational Component</b>	<b>Column 1: No WCA-3A Regulatory Releases to SDCS or SRS</b>	<b>Column 2: WCA-3A Releases to SDCS</b>	<b>WCA-3A Ecological Purpose</b>
S-333	S-333 discharges are maximized to the extent allowed by the operational constraints of S-333 prior to opening the S-12D structure.	S-333 discharges are maximized prior to opening the S-12D structure. L-29 maximum elevations will continue to apply as will G-3273 triggers, both of which be adjusted under Increments 1 and 2.	Maximizing discharges through the eastern structures first will potentially delay the S-12A and S-12B opening date and reduce the flow of water south through these structures. Intent of these operations is to put more flows into Northeast Shark River Slough the primary historic flow path of the area. This will ecologically enhance the Northeast Shark River Slough and further downstream into Shark River Slough. CQSS, Subpopulation A will benefit through potential reduction in need to allow water to flow through S-12A and S-12B.

Structure/ Operational Component	<b>Column 1:</b> No WCA-3A Regulatory Releases to SDCS or SRS	<b>Column 2:</b> WCA-3A Releases to SDCS	WCA-3A Ecological Purpose
S-332B	<p>The order of S-332B/C/D pumping will be prioritized base on coordination with the USFWS, SFWMD and ENP. Local rainfall patterns, antecedent conditions and operations will be discussed in real-time to determine pumping prioritization.</p> <p>Note: Coordination with the USFWS, SFWMD and ENP will occur periodically to consider the prioritization of S-332B/C/D pumping based on existing system conditions. The purpose of the pumping prioritization will be to avoid the flooding of CSSS nesting areas to the west of the Southern Detention Areas. The ENP gages that will be considered in the S-332B/C/D pumping prioritization include but will not be limited to RG-2 and RG-4.</p>	<p>The order of S-332B/C/D pumping will be prioritized base on coordination with the USFWS, SFWMD and ENP. Local rainfall patterns, antecedent conditions and operations will be discussed in real-time to determine pumping prioritization.</p> <p>Note: Coordination with the USFWS, SFWMD and ENP will occur periodically to consider the prioritization of S-332B/C/D pumping based on existing system conditions. The purpose of the pumping prioritization will be to avoid the flooding of CSSS nesting areas to the west of the Southern Detention Areas. The ENP gages that will be considered in the S-332B/C/D pumping prioritization include but will not be limited to RG-2 and RG-4.</p>	<p>Prioritization of the S-332B/C/D pumping provides the flexibility to control the discharge of water into the Southern Detention Areas to benefit the adjacent Subpopulations C and F.</p>
S-332B North Seepage Reservoir	<p>The order of S-332B/C/D pumping will be prioritized base on coordination with the USFWS, SFWMD and ENP. Local rainfall patterns, antecedent conditions and operations will be discussed in real-time to determine pumping prioritization.</p> <p>Note: Coordination with the USFWS, SFWMD and ENP will occur periodically to consider the prioritization of S-332B/C/D pumping based on existing system conditions. The purpose of the pumping prioritization will be to avoid the flooding of CSSS nesting areas to the west of the Southern Detention Areas. The ENP gages that will be considered in the S-332B/C/D pumping prioritization include but will not be limited to RG-2 and RG-4.</p>		<p>Prioritization of the S-332B/C/D pumping provides the flexibility to control the discharge of water into the Southern Detention Areas to benefit the adjacent Subpopulations C and F.</p>

Structure/ Operational Component	<b>Column 1:</b> No WCA-3A Regulatory Releases to SDGS or SRS	<b>Column 2:</b> WCA-3A Releases to SDGS	WCA-3A Ecological Purpose
S-332C	<p>The order of S-332B/C/D pumping will be prioritized base on coordination with the USFWS, SFWMD and ENP. Local rainfall patterns, antecedent conditions and operations will be discussed in real-time to determine pumping prioritization.</p> <p>Note: Coordination with the USFWS, SFWMD and ENP will occur periodically to consider the prioritization of S-332B/C/D pumping based on existing system conditions. The purpose of the pumping prioritization will be to avoid the flooding of CSSS nesting areas to the west of the Southern Detention Areas. The ENP gages that will be considered in the S-332B/C/D pumping prioritization include but will not be limited to RG-2 and RG-4.</p>	<p>The order of S-332B/C/D pumping will be prioritized base on coordination with the USFWS, SFWMD and ENP. Local rainfall patterns, antecedent conditions and operations will be discussed in real-time to determine pumping prioritization</p> <p>Note: Coordination with the USFWS, SFWMD and ENP will occur periodically to consider the prioritization of S-332B/C/D pumping based on existing system conditions. The purpose of the pumping prioritization will be to avoid the flooding of CSSS nesting areas to the west of the Southern Detention Areas. The ENP gages that will be considered in the S-332B/C/D pumping prioritization include but will not be limited to RG-2 and RG-4.</p>	<p>Prioritization of the S-332B/C/D pumping provides the flexibility to control the discharge of water into the SDA to benefit the adjacent Subpopulations C and F.</p>
S-332D	<p>The order of S-332B/C/D pumping will be prioritized base on coordination with the USFWS, SFWMD and ENP. Local rainfall patterns, antecedent conditions and operations will be discussed in real-time to determine pumping prioritization.</p> <p>Note: Coordination with the USFWS, SFWMD and ENP will occur periodically to consider the prioritization of S-332B/C/D pumping based on existing system conditions. The purpose of the pumping prioritization will be to avoid the flooding of CSSS nesting areas to the west of the Southern Detention Areas. The ENP gages that will be considered in the S-332B/C/D pumping prioritization include but will not be limited to RG-1, RG-2 and RG-4.</p>	<p>Prioritization of the S-332B/C/D pumping provides the flexibility to control the discharge of water into the SDA to benefit the adjacent Subpopulations C and F.</p>	

